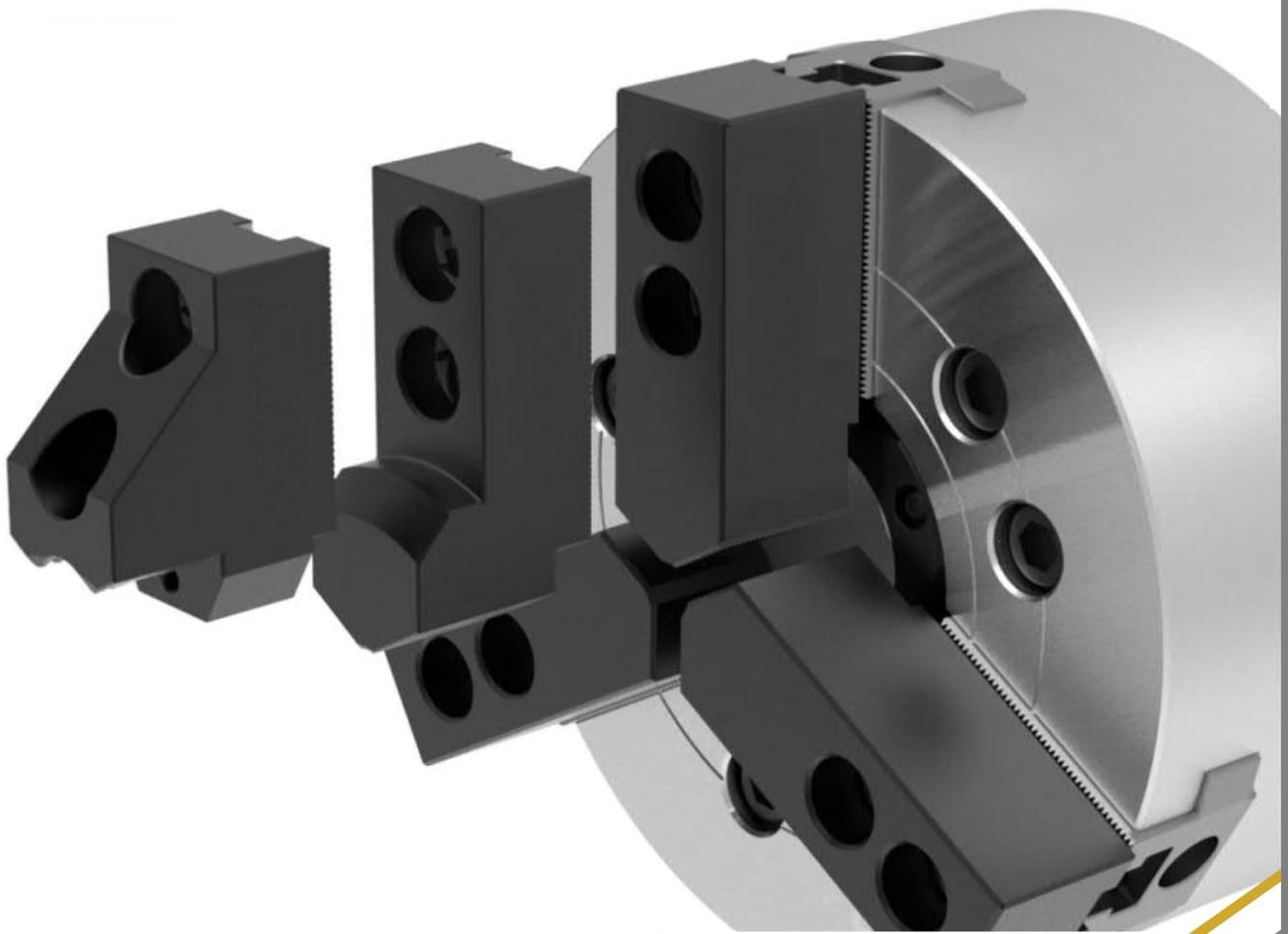


# **LAUCAM**

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## **SPANNTECHNIK**





**LAUCAM**

**SPANNSYSTEM  
CLAMPING SYSTEMS**

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<b>SMW-AUTOBLOK</b>	<b>5</b>
<b>BERG</b>	<b>83</b>
<b>BISON</b>	<b>107</b>
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# SMW-AUTOBLOK

	Verzahnung/Serration		Seite/Page
Weiche Aufsatzbacken <i>Soft top jaws</i>	90°	Stahl/Steel	6
		Aluminium/Aluminum	8
	60°	Stahl/Steel	10
		Aluminium/Aluminum	11
Weiche Aufsatzbacken gebohrt oder ungebohrt <i>Soft jaw blanks, without or with bolt holes</i>	90°	Stahl/Steel	12
	60°	Stahl/Steel	13
Segmentbacken <i>Soft full grip jaws</i>	90°	Stahl/Steel	14
		Aluminium/Aluminum	16
	60°	Stahl/Steel	18
		Aluminium/Aluminum	19
Harte Aufsatzbacken <i>Hard stepped top jaws</i>	90°		20
	60°		22
Harte Spannbacken-Stangenspannung <i>Hard jaws for bar clamping</i>	1/16" x 90°		23
	3/32" x 90°		27
	1,5mm x 60°		28
Krallenbacken Außenspannung <i>Hard claw jaws for O.D. clamping</i>	1/16" x 90°		30
	3/32" x 90°		38
	1,5mm x 60°		42
Krallenbacken Innenspannung <i>Hard claw jaws for I.D. clamping</i>	1/16" x 90°		48
	3/32" x 90°		54
	1,5mm x 60°		58
Pendelbacken <i>Pendulum jaws</i>	1/16" x 90°		62
	3/32" x 90°		68
	1,5mm x 60°		70
T-Nutensteine für Spannfutter mit Zollverzahnung <i>T-Nuts for chucks with inch serration</i>	90°		73
T-Nutensteine für Spannfutter / Metrische Verzahnung <i>T-Nuts for chucks with metric serration</i>	60°		78
Weiche Aufsatzbacken <i>Soft top jaws</i>	Metrische Kreuzversatz <i>Metric tongue and groove</i>	Stahl/Steel	79
Segmentbacken <i>Soft full grip jaws</i>	Metrische Kreuzversatz <i>Metric tongue and groove</i>	Stahl/Steel	80
		Aluminium/Aluminum	81
Grundbacken <i>Base jaws</i>			82

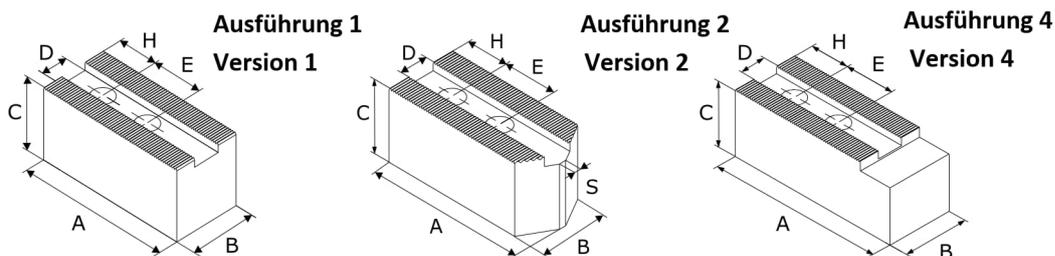
# Weiche Aufsatzbacken

## Soft top jaws

Verzahnung 90°

Serration 90°

Stahl/Steel C45



### Futtertyp / Chuck type

Verzahnung 1/16"x90° / Serration 1/16"x90°

Index  
Id.-No

Typ  
Type

A B C D E

Schrauben  
Screws

H S

Ausführung  
Version

Futtertyp / Chuck type	Index Id.-No	Typ Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
HFKN-D 110-32; HFKS 110	17 0001 1220	MKS-C 110-1	50	20	40	8	12	M6	11,5	-	1
SP 125-26 <sup>7)</sup> ; STP 125 <sup>7)</sup>	17 0000 6920	MKS-C 125-1	55,5	30	40	11	18	M8	10	-	1
	17 0001 1230	MKS-C 125-2	55,5	30	38	12	16	M8	10	-	1
HFKS 130; STWP 125	17 0000 6920	MKS-C 125-1	55,5	30	40	11	18	M8	10	-	1
AL-D 125; AN-D 125; BB-D 140; BH-D 130; GHDN 125; HB-D 130; KDV 130; ODN 125; PB-D 130; PBI-D 130	17 0001 1230	MKS-C 125-2	55,5	30	38	12	16	M8	10	-	1
AL-D 165; AN-D 165; AP-D 170; BB-D 175; BH-D 165; BHD-FC 165; GHD-FC 165; GHDN 165; HB-D 165; HFKN-D 165-46; HYND-S 180; NT-D170; PB-D 165; PBI-D 165; RC-D 165; SP160-38; STP 160; STWP 160	17 0001 1590	MKS-C 160-3	68	35	60	14	20	M10	15	-	1
	17 0001 1580	MTS-C 160-2	80	35	40	14	20	M10	15	4	2
HFK 160; HFKS 160; KDV 160; KDVG 160; KFMF 160; KFV 160	17 0000 5390	MKS-C 165-1	70	35	40	17	22	M12	15	-	1
	17 0000 5400	MKS-C 165-2	70	40	60	17	22	M12	15	-	1
	17 0000 6960	MTS-C 165-1	78	35	40	17	22	M12	15	4	2
210RCD; AL-D 210; AN-D 210; AP-D 215; AP-D 260 <sup>7)</sup> ; APL-D 215; APL-D 260 <sup>7)</sup> ; BB-D 210; BH-D 210; BHD-FC 210; BP-D 220; BP-D 260 <sup>7)</sup> ; CC 240 Z; CD 200; GHD-FC 210; GHDN 210; HB-D 210; HDB 220; HDL 200; HDN 200; HDN 220; HDN 250S; HFK 200; HFKN-D 210-52; HFKS 200; HYND-S 210; HYND-S 226; KDV 200; KDV 250; KDVG 200; KDVG 250; KFMF 200; KFV 200; LP 205; NT-D 215; NT-D 260 <sup>7)</sup> ; NTL-D 260 <sup>7)</sup> ; ODL 200; ODN 200; ODN 220; ODN 250S; PB-D 210; PBI-D 210; RC-D 210; SP 200; SP 240-78; STP 200; STP 240; STWP 200	17 0000 6970	MKS-C 200-2	90	40	40	17	22	M12	25	-	1
	17 0000 5440	MKS-C 200-3	90	40	60	17	22	M12	25	-	1
CL-D 200 <sup>3)</sup> ; KZF 200 <sup>3)</sup> ; KZF-ES 200 <sup>3)</sup> ; US-2 CLD 200 <sup>3)</sup>	17 0000 6990	2MKS-C 200-1	95	80	80	21	28	M16	22	-	1
	17 0001 1730	MKS-C 250-2	95	50	60	21	28	M16	15	-	1
250RCD; 305RCD; AL-D 250; AL-D 315; AN-D 250; AN-D 315; AP-D 315; APL-D 315; BB-D 250; BB-D 315; BH-D 250; BH-D 315; BHD-FC 250; BHD-FC 315; BP-D 320; CC 350 Z; CD 250; CD 315; GHD 400; GHD-FC 250; GHD-FC 305; GHD-FC400; GHDN 250; GHDN 315; GHDN 400; HB-D 250; HB-D 315; HDB 300; HDL 250; HDL 315; HDL 400; HDN 250; HDN 315; HDN 400; HFK 250; HFK 270; HFK 315; HFKN-D 260-72; HFKN-D 315-91; HFKS 250; HFKS 270; HFKS 315; HYND-S 250; HYND-S 315; KDV 315; KDV 400; KDVG 315; KDVG 400; KFMF 250; KFMF 315; KFV 250; KFV 315; LP 250; NT-D 315; NTL-D 315; ODL 250; ODL 315; ODL 400; ODN 250; ODN 315; ODN 400; PB-D 250; PB-D 315; PBI-D 250; PBI-D 315; RC-D 250; RC-D 305; RC-D 400 <sup>7)</sup> ; SP 250; SP 280-92; SP 315; SP 350-115; SP 350-115 ES; SP-L 350-90; STP 250; STP 280; STP 315; STWP 250; STWP 315	17 0000 6980	MTS-C 250-1	120	50	50	21	28	M16	20	4	2
	17 0000 5240	MKS-C 250-3	120	50	80	21	28	M16	30	-	1
	17 0000 5460	MTS-C 315-1	140	50	50	21	28	M16	30	4	2

Futtertyp / Chuck type	Index Id.-No	Typ Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
CL-D 250 <sup>3)</sup> ; KZF 250 <sup>3)</sup> ; KZF-ES 250 <sup>3)</sup> ; US-2 CLD 250 <sup>3)</sup>	<b>17 0000 0090</b>	2MKS-C 250-1	110	80	80	25,5	35	M20	20	-	1
CL-D 315 <sup>3)</sup> ; KZF 315 <sup>3)</sup> ; KZF-ES 315 <sup>3)</sup> ; US-2 CLD 315 <sup>3)</sup>	<b>17 0000 0670</b>	2MKS-C 315-1	125	80	80	25,5	35	M20	28	-	1
<b>Verzahnung 3/32"x90° / Serration 3/32"x90°</b>											
AL-D 400; AN-D 400; AP-D 400 <sup>7)</sup> ; APL-D 400 <sup>7)</sup> ; APL-D 500 <sup>7)</sup> ; APL-D 630 <sup>7)</sup> ; APL-D 800 <sup>7)</sup> ; BB-AZ-ES 500; BB-AZ-ES 590-220; BB-EXL-SC2G 510-191; BB-EXL-SC2G 660-280; BB-N 400-140; BB-N 460; BB-N 470-191; BB-N 500-205; BB-N 500-230; BB-N 600-275; BB-N ES 400-140; BB-N ES 460; BB-N ES 470-191; BB-N ES 500-205; BB-N ES 500-230; BB-N ES 600-275; BB-N-EXL2G 510-191; BB-N-EXL2G 660-280; BB-SC 600-275; BH-D 400; BH-D 450; BH-D 500; BH-D 630; BH-D 800; BHD-FC 400; BHD-FC 500; BHD-FC 630; CC 470 Z; GHD 500; GHD 610; GHD 640; GHD 800; HFK 400; HFK 500; HFKN-D 400-128; HFKN-D 500-155; HFKS 400; HFKS 500; HYD-S 400; HYD-S 500; HYDL-S 500; HYDL-S 550; HYDL-S 630; HYDL-S 800; HYDLL-S 550; HYDLL-S 630; HYND-S 400; IEP-D 500 <sup>4)</sup> ; IEP-D 630 <sup>4)</sup> ; IEP-D 800 <sup>4)</sup> ; IL-D 500; IL-D 630; IL-D 800; IN-D 500; IN-D 630; IN-D 800; KDV 500; KDVG 500; KfV 400; KfV 500; KfV 630; KfV 800; NT-D 400 <sup>7)</sup> ; NTL-D 400 <sup>7)</sup> ; RC-D 500 <sup>7)</sup>	<b>17 0000 7000</b>	MKS-C 400-1	140	60	80	25,5	35	M20	30	-	1
BB 400; BB 400 ES; LP 380; LP 460; STP 400	<b>17 0000 6490</b>	MKS-C 400-2	155	60	90	25,5	35	M20	30	-	1
BB 400; BB 400 ES; LP 380; LP 460; STP 400	<b>17 0000 6490</b>	MKS-C 400-3	155	60	100	25,5	40	M18	35	-	1
BB 500; BB 500 ES; BB 630-265 ES; LP 500; STP 500	<b>17 0000 6500</b>	MKS-C 400-4	195	60	100	25,5	40	M18	37	-	1
BB 630; BB 630-325 ES; BB-AZ-ES 630-275; BB-AZ-ES 750-370; BB-AZ2G 685-275; BB-AZ2G 740-330; BB-N 630-310; BB-N ES 630-325; STP 630	<b>17 0000 6510</b>	MKS-C 600-1	240	75	90	30	65	M24	42	-	4
BB 800; BB 850 ES; BB 1000; BB 1000 ES; BB-AZ2G 800-390; BB-AZ2G 1000-560; BB-EXL-SC2G 900-390; BB-N 800-410; BB-N 1000; BB-N ES 850-375; BB-N ES 1000-560; BB-N-EXL2G 900-390; BB-SC 850-395; BB-SC 1020-565; STP 800	<b>17 0000 6520</b>	MKS-C 600-2	300	75	90	30	65	M24	68	-	4

**3) Zweibackenfutter**

**4) Sechsbakenfutter**

**7) Bitte überprüfen Sie die Anschlussmaße**

**3) 2-jaw chuck**

**4) 6-jaw chuck – please order 2 sets per 3 pcs**

**7) Please check the connecting dimensions**

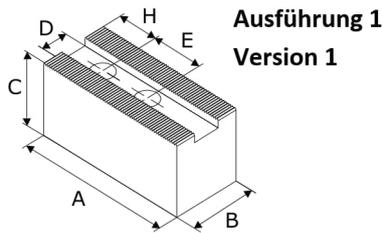
# Weiche Aufsatzbacken

## Soft top jaws

Verzahnung 90°

Serration 90°

Aluminium / Aluminum



Futtertyp/Chuck type Verzahnung 1/16"x90° / Serration 1/16"x90°	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
AL-D 125; AN-D 125; BB-D 140; BH-D 130; GHDN 125; HB-D 130; KDV 130; ODN 125; PB-D 130; PBI-D 130	<b>17 0001 1240</b>	MKA-C 125-1	55	30	40	12	16	M8	10	-	1
AL-D 165; AN-D 165; AP-D 170; BB-D 175; BH-D 165; BHD-FC 165; GHD-FC 165; GHDN 165; HB-D 165; HFKN-D 165-46; HYND-S 180; NT-D 170; PB-D 165; PBI-D 165; RC-D 165; SP 160-38; STP 160; STWP 160	<b>17 0000 6260</b>	MKA-C 160-2	80	35	60	14	20	M10	15	-	1
HFK 160; HFKS 160; KDV 160; KDBG 160; KFMF 160; KJV 160	<b>17 0000 6270</b>	MKA-C 165-1	70	40	60	17	22	M12	15	-	1
210RCD; AL-D 210; AN-D 210; AP-D 215; AP-D 260 <sup>7)</sup> ; APL-D 215; APL-D 260 <sup>7)</sup> ; BB-D 210; BH-D 210; BHD-FC 210; BP-D 220; BP-D 260 <sup>7)</sup> ; CC 240 Z; CD 200; GHD-FC 210; GHDN 210; HB-D 210; HDB 220; HDL 200; HDN 200; HDN 220; HDN 250S; HFK 200; HFKN-D 210-52; HFKS 200; HYND-S 210; HYND-S 226; KDV 200; KDV 250; KDBG 200; KDBG 250; KFMF 200; KJV 200; LP 205; NT-D 215; NT-D 260 <sup>7)</sup> ; NTL-D 260 <sup>7)</sup> ; ODL 200; ODN 200; ODN 220; ODN 250S; PB-D 210; PBI-D 210; RC-D 210; SP 200; SP 240-78; STP 200; STP 240; STWP 200	<b>17 0000 6280</b>	MKA-C 200-2	90	40	60	17	22	M12	25	-	1
250RCD; 305RCD; AL-D 250; AL-D 315; AN-D 250; AN-D 315; AP-D 315; APL-D 315; BB-D 250; BB-D 315; BH-D 250; BH-D 315; BHD-FC 250; BHD-FC 315; BP-D 320; CC 350 Z; CD 250; CD 315; GHD 400; GHD-FC 250; GHD-FC 305; GHD-FC 400; GHDN 250; GHDN 315; GHDN 400; HB-D 250; HB-D 315; HDB 300; HDL 250; HDL 315; HDL 400; HDN 250; HDN 315; HDN 400; HFK 250; HFK 270; HFK 315; HFKN-D 260-72; HFKN-D 315-91; HFKS 250; HFKS 270; HFKS 315; HYND-S 250; HYND-S 315; KDV 315; KDV 400; KDBG 315; KDBG 400; KFMF 250; KFMF 315; KJV 250; KJV 315; LP 250; NT-D 315; NTL-D 315; ODL 250; ODL 315; ODL 400; ODN 250; ODN 315; ODN 400; PB-D 250; PB-D 315; PBI-D 250; PBI-D 315; RC-D 250; RC-D 305; RC-D 400 <sup>7)</sup> ; SP 250; SP 280-92; SP 315; SP 350-115; SP 350-115 ES; SP-L 350-90; STP 250; STP 280; STP 315; STWP 250; STWP 315	<b>17 0000 6290</b>	MKA-C 250-1	125	50	80	21	28	M16	30	-	1

**Weiche Aufsatzbacken**

Verzahnung 90°

Soft top jaws

Serration 90°

Futtertyp / Chuck type Verzahnung 3/32"x90° / Serration 3/32"x90°	Index Id.-No	Typ Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
AL-D 400; AN-D 400; AP-D 400 <sup>7)</sup> ; APL-D 400 <sup>7)</sup> ; APL-D 500 <sup>7)</sup> ; APL-D 630 <sup>7)</sup> ; APL-D 800 <sup>7)</sup> ; BB-AZ-ES 500; BB-AZ-ES 590-220; BB-EXL-SC2G 510-191; BB-EXL-SC2G 660-280; BB-N 400-140; BB-N 460; BB-N 470-191; BB-N 500-205; BB-N 500-230; BB-N 600-275; BB-N ES 400-140; BB-N ES 460; BB-N ES 470-191; BB-N ES 500-205; BB-N ES 500-230; BB-N ES 600-275; BB-N-EXL2G 510-191; BB-N-EXL2G 660-280; BB-SC 600-275; BH-D 400; BH-D 450; BH-D 500; BH-D 630; BH-D 800; BHD-FC 400; BHD-FC 500; BHD-FC 630; CC 470 Z; GHD 500; GHD 610; GHD 640; GHD 800; HFK 400; HFK 500; HFKN-D 400-128; HFKN-D 500-155; HFKS 400; HFKS 500; HYD-S 400; HYD-S 500; HYDL-S 500; HYDL-S 550; HYDL-S 630; HYDL-S 800; HYDLL-S 550; HYDLL-S 630; HYND-S 400; IEP-D 500 <sup>4)</sup> ; IEP-D 630 <sup>4)</sup> ; IEP-D 800 <sup>4)</sup> ; IL-D 500; IL-D 630; IL-D 800; IN-D 500; IN-D 630; IN-D 800; KDV 500; KDV 500; KFV 400; KFV 500; KFV 630; KFV 800; NT-D 400 <sup>7)</sup> ; NTL-D 400 <sup>7)</sup> ; RC-D 500 <sup>7)</sup>	<b>17 0000 7050</b>	MKA-C 400-1	155	60	100	25,5	35	M20	30	-	1

4) Sechsbackenfutter

4) 6-jaw chuck – please order 2 sets per 3 pcs

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

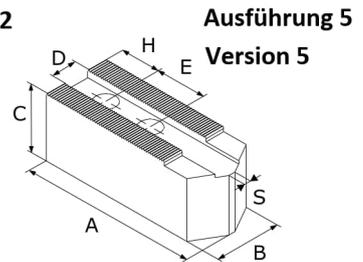
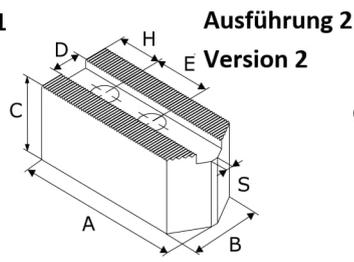
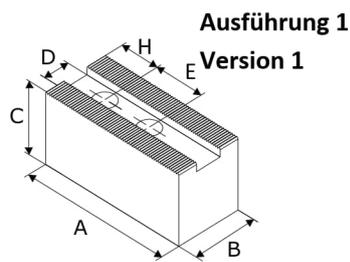
# Weiche Aufsatzbacken

## Soft top jaws

Verzahnung 60°

Serration 60°

Stahl / Steel C45



Futtertyp / Chuck type Verzahnung 1.5mmx60°/Serration 1.5mmx60°	Index Id.-No	Typ Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
AL-M 165; AN-M 165; AP-M 170; BB-M 175; BH-M 165; BHM-FC 165; HB-M 165; HFKN-M 165-46; NT-M 170; PB-M 165; PBI-M 165; RC-M 165	17 0000 7810	MKS-M 165-1	72	32	32	12	20	M10	15	-	1
	17 0001 1630	MKS-M 165-2	72	35	60	12	20	M10	15	-	1
	17 0000 0840	MTS-M 165-3	75	30	30	12	20	M10	15	13	2
	17 0000 0850	MTS-M 165-4	81	30	30	12	20	M10	15	13	2
	17 0000 7820	MTS-M 165-1	82	32	32	12	20	M10	15	4	5
	17 0001 1760	MTS-M 165-2	82	35	60	12	20	M10	15	4	5
AL-M 210; AN-M 210; AP-M 215; APL-M 215; BB-M 210; BH-M 210; BHM-FC 210; BP-M 220; HB-M 210; HFKN-M 210-52; NT-M 215; PB-M 210; PBI-M 210; RC-M 210	17 0000 0860	MTS-M 210-4	95	35	35	14	25	M12	20	15	2
	17 0000 7830	MKS-M 210-1	95	35	40	14	25	M12	24	-	1
	17 0001 1640	MKS-M 210-2	95	35	60	14	25	M12	24	-	1
	17 0001 1650	MKS-M 210-3	95	40	80	14	25	M12	24	-	1
	17 0000 4750	MKS-M 210-4	95	40	100	14	25	M12	24	-	1
	17 0000 7840	MTS-M 210-1	102	35	40	14	25	M12	20	4	5
	17 0000 0880	MTS-M 210-5	102	35	40	14	25	M12	20	15	2
	17 0000 4760	MTS-M 210-2	102	40	80	14	25	M12	20	4	5
AL-M 250; AN-M 250; AP-M 260; APL-M 260; BB-M 250; BH-M 250; BHM-FC 250; BP-M 260; HB-M 250; HFKN-M 260-72; NT-M 260; NTL-M 260; PB-M 250; PBI-M 250; RC-M 250	17 0000 7080	MKS-M 250-6	90	40	60	16	30	M12	15	-	1
	17 0000 7090	MKS-M 250-7	90	50	80	16	30	M12	15	-	1
	17 0000 0890	MTS-M 250-4	110	40	40	16	30	M12	20	17	2
	17 0000 7850	MKS-M 250-1	110	40	42	16	30	M12	30	-	1
	17 0000 7860	MKS-M 250-2	110	40	60	16	30	M12	30	-	1
	17 0000 1200	MTS-M 250-5	110	40	60	16	30	M12	20	17	2
	17 0001 1660	MKS-M 250-3	110	40	80	16	30	M12	30	-	1
	17 0001 1670	MKS-M 250-4	120	40	100	16	30	M12	30	-	1
	17 0000 1230	MKS-M 250-5	120	40	120	16	30	M12	30	-	1
	17 0000 7100	MKS-M 250-8	120	50	50	16	30	M12	30	-	1
	17 0001 1600	MTS-M 250-1	125	40	42	16	30	M12	30	4	5
	17 0001 1710	MTS-M 250-2	125	40	60	16	30	M12	30	4	5
AL-M 315; AN-M 315; AP-M 315; APL-M 315; BB-M 315; BH-M 315; BHM-FC 315; BP-M 320; GH-M 400; HB-M 315; HFKN-M 315-91; NT-M 315; NTL-M 315; PB-M 315; PBI-M 315; RC-M 305; RC-M 400	17 0001 1610	MKS-M 300-4	129	50	60	21	30	M16	39	-	1
	17 0001 1680	MKS-M 300-5	129	50	80	21	30	M16	39	-	1
	17 0000 1250	MKS-M 300-6	129	50	100	21	30	M16	25	-	1
	17 0000 1260	MKS-M 300-7	129	50	120	21	30	M16	25	-	1
	17 0000 7160	MKS-M 300-9	140	50	100	21	30	M16	30	-	1
	17 0001 1620	MTS-M 300-5	145	50	50	21	30	M16	30	10	5
	17 0000 7170	MTS-M 300-6	145	50	100	21	30	M16	30	10	5
AL-M 400; AN-M 400; AP-M 400 <sup>7)</sup> ; APL-M 400 <sup>7)</sup> ; BH-M 400; BH-M 450; BHM-FC 400 <sup>7)</sup> ; NT-M 400 <sup>7)</sup> ; NTL-M 400 <sup>7)</sup>	17 0000 3060	MKS-M 380-1	165	60	60	22	43	M20	37	-	1
	17 0000 4100	MKS-M 380-2	165	60	80	22	43	M20	37	-	1
	17 0000 4120	MKS-M 380-3	165	60	120	22	43	M20	37	-	1
	17 0000 7180	MTS-M 380-1	185	60	60	22	43	M20	30	10	5

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

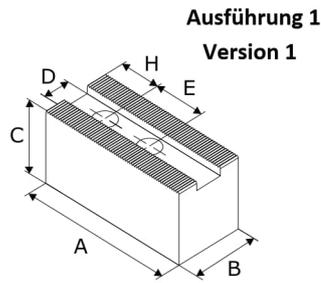
# Weiche Aufsatzbacken

## Soft top jaws

Verzahnung 60°

Serration 60°

Aluminium / Aluminum



### Futtertyp / Chuck type

Verzahnung 1.5mmx60° / Serration 1.5mmx60°

### Index

Id.-No

### Typ

Type

**A B C D E**

### Schrauben

Screws

**H S**

### Ausführung

Version

AL-M 165; AN-M 165; AP-M 170; BB-M 175; BH-M 165; BHM-FC 165; HB-M 165; HFKN-M 165-46; NT-M 170; PB-M 165; PBI-M 165; RC-M 165	<b>17 0000 7310</b>	MKA-M 165-1	72	35	50	12	20	M10	15	-	1
AL-M 210; AN-M 210; AP-M 215; APL-M 215; BB-M 210; BH-M 210; BHM-FC 210; BP-M 220; HB-M 210; HFKN-M 210-52; NT-M 215; PB-M 210; PBI-M 210; RC-M 210	<b>17 0000 7320</b>	MKA-M 210-1	90	40	60	14	25	M12	20	-	1
AL-M 250; AN-M 250; AP-M 260; APL-M 260; BB-M 250; BH-M 250; BHM-FC 250; BP-M 260; HB-M 250; HFKN-M 260-72; NT-M 260; NTL-M 260; PB-M 250; PBI-M 250; RC-M 250	<b>17 0000 7330</b>	MKA-M 250-1	110	40	60	16	30	M12	25	-	1
AL-M 315; AN-M 315; AP-M 315; APL-M 315; BB-M 315; BH-M 315; BHM-FC 315; BP-M 320; GH-M 400; HB-M 315; HFKN-M 315-91; NT-M 315; NTL-M 315; PB-M 315; PBI-M 315; RC-M 305; RC-M 400	<b>17 0000 7350</b>	MKA-M 300-2	130	50	80	21	30	M16	40	-	1
AL-M 400; AN-M 400; AP-M 400 <sup>7)</sup> ; APL-M 400 <sup>7)</sup> ; BH-M 400; BH-M 450; BHM-FC 400 <sup>7)</sup> ; NT-M 400 <sup>7)</sup> ; NTL-M 400 <sup>7)</sup>	<b>17 0000 7360</b>	MKA-M 380-2	145	60	80	22	43	M20	40	-	1

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

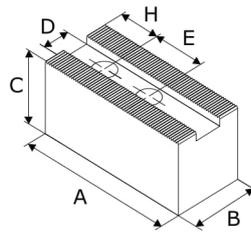
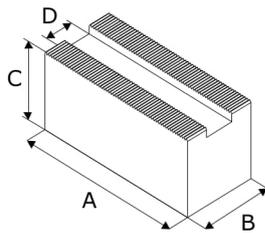
# Weiche Aufsatzbacken gebohrt oder ungebohrt

Soft jaw blanks, without or with bolt holes

**Verzahnung 90°**

**Serration 90°**

**Stahl / Steel C45**



**Ungebohrt**

Without bolt holes

**Gebohrt**

With bolt holes

**Futtertyp / Chuck type**

Verzahnung 1/16"x90° / Serration 1/16"x90°

	Index / Id.-No	Typ/Type	Index / Id.-No	Typ/Type	A	B	C	D
AL-D 165; AN-D 165; AP-D 170; BB-D 175; BH-D 165; BHD-FC 165; GHD-FC 165; GHDN 165; HB-D 165; HFKN-D 165-46; HYND-S 180; NT-D 170; PB-D 165; PBI-D 165; RC-D 165; SP; 160-38; STP 160; STWP 160	<b>17 0000 4800</b>	MBS-C 165-1	<b>17 0000 4801</b>	MWS-C 165-1	80	40	40	14
210RCD; AL-D 210; AN-D 210; AP-D 215; AP-D 260; APL-D 215; APL-D 260; BB-D 210; BH-D 210; BHD-FC 210; BP-D 220; BP-D 260; CC 240 Z; CD 200; GHD-FC 210; GHDN 210; HB-D 210; HDB 220; HDL 200; HDN 200; HDN 220; HDN 250S; HFK 160; HFK 200; HFKN-D 210-52; HFKS 160; HFKS 200; HYND-S 210; HYND-S 226; KDV 160; KDV 200; KDV 250; KDVG 160; KDVG 200; KDVG 250; KFMF 160; KFMF 200; KVF 160; KVF 200; LP 205; NT-D 215; NT-D 260; NTL-D 260; ODL 200; ODN 200; ODN 220; ODN 250S; PB-D 210; PBI-D 210; RC-D 210; SP 200; SP 240-78; STP 200; STP 240; STWP 200	<b>17 0000 4810</b>	MBS-C 200-1	<b>17 0000 4811</b>	MWS-C 200-1	70	40	40	17
	<b>17 0000 4820</b>	MBS-C 200-2	<b>17 0000 4821</b>	MWS-C 200-2	70	40	60	17
	<b>17 0000 4830</b>	MBS-C 200-3	<b>17 0000 4831</b>	MWS-C 200-3	90	40	40	17
	<b>17 0000 4840</b>	MBS-C 200-4	<b>17 0000 4841</b>	MWS-C 200-4	90	40	60	17
	<b>17 0000 4850</b>	MBS-C 200-5	<b>17 0000 4851</b>	MWS-C 200-5	90	40	80	17
	<b>17 0000 4860</b>	MBS-C 200-6	<b>17 0000 4861</b>	MWS-C 200-6	90	40	100	17
	<b>17 0000 4870</b>	MBS-C 200-7	<b>17 0000 4871</b>	MWS-C 200-7	90	40	120	17
	<b>17 0000 4880</b>	MBS-C 200-8	<b>17 0000 4881</b>	MWS-C 200-8	105	40	40	17
	<b>17 0000 4890</b>	MBS-C 200-9	<b>17 0000 4891</b>	MWS-C 200-9	105	40	60	17
250RCD; 305RCD; AL-D 250; AL-D 315; AN-D 250; AN-D 315; AP-D 315; APL-D 315; BB-D 250; BB-D 315; BH-D 250; BH-D 315; BHD-FC 250; BHD-FC 315; BP-D 320; CC 350 Z; CD 250; CD 315; CL-D 200 <sup>3)</sup> ; GHD 400; GHD-FC 250; GHD-FC 305; GHD-FC 400; GHDN 250; GHDN 315; GHDN 400; HB-D 250; HB-D 315; HDB 300; HDL 250; HDL 315; HDL 400; HDN 250; HDN 315; HDN 400; HFK 250; HFK 270; HFK 315; HFKN-D 260-72; HFKN-D 315-91; HFKS 250; HFKS 270; HFKS 315; HYND-S 250; HYND-S 315; KDV 315; KDV 400; KDVG 315; KDVG 400; KFMF 250; KFMF 315; KVF 250; KVF 315; KZF 200 <sup>3)</sup> ; KZF-ES 200 <sup>3)</sup> ; LP 250; NT-D 315; NTL-D 315; ODL 250; ODL 315; ODL 400; ODN 250; ODN 315; ODN 400; PB-D 250; PB-D 315; PBI-D 250; PBI-D 315; RC-D 250; RC-D 305; RC-D 400; SP 250; SP 280-92; SP 315; SP 350-115; SP 350-115 ES; SP-L 350-90; STP 250; STP 280; STP 315; STWP 250; STWP 315; US-2 CLD 200 <sup>3)</sup>	<b>17 0000 4900</b>	MBS-C 250-1	<b>17 0000 4901</b>	MWS-C 250-1	90	45	45	21
	<b>17 0000 4910</b>	MBS-C 250-2	<b>17 0000 4911</b>	MWS-C 250-2	90	45	80	21
	<b>17 0000 4920</b>	MBS-C 250-3	<b>17 0000 4921</b>	MWS-C 250-3	110	45	45	21
	<b>17 0000 4930</b>	MBS-C 250-4	<b>17 0000 4931</b>	MWS-C 250-4	110	45	80	21
	<b>17 0000 4940</b>	MBS-C 250-5	<b>17 0000 4941</b>	MWS-C 250-5	125	50	50	21
	<b>17 0000 4950</b>	MBS-C 250-6	<b>17 0000 4951</b>	MWS-C 250-6	125	50	80	21
	<b>17 0000 4960</b>	MBS-C 250-7	<b>17 0000 4961</b>	MWS-C 250-7	125	50	100	21
	<b>17 0000 4970</b>	MBS-C 250-8	<b>17 0000 4971</b>	MWS-C 250-8	125	50	120	21
	<b>17 0000 4980</b>	MBS-C 250-9	<b>17 0000 4981</b>	MWS-C 250-9	140	50	60	21
	<b>17 0000 4990</b>	MBS-C 250-10	<b>17 0000 4991</b>	MWS-C 250-10	140	50	80	21

3) Zweibackenfutter

3) 2-jaw chuck

Für gebohrte Backenrohlinge geben Sie bitte die Maße H und E an

For jaws with bolt holes please indicate H and E dimensions

Nutbreite 14 mm

Nutbreite 17 mm

Slot width 14 mm

Slot width 17 mm

Bohrung für M10

Bohrung für M12

bored for M10

bored for M12

Mindestwert:

Mindestwert:

Minimum values:

Minimum values:

H = 12 mm, E = 16 mm

H = 12 mm, E = 19 mm

H = 12 mm, E = 16 mm

H = 12 mm, E = 19 mm

Nutbreite 21 mm

Slot width 21 mm

Bohrung für M16

bored for M16

Mindestwert:

Minimum values:

H = 15 mm, E = 25 mm

H = 15 mm, E = 25 mm

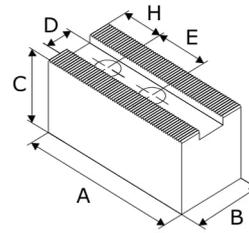
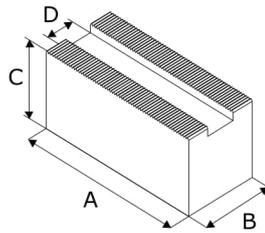
# Weiche Aufsatzbacken gebohrt oder ungebohrt

Soft jaw blanks, without or with bolt holes

Verzahnung 60°

Serration 60°

Stahl / Steel C45



**Ungebohrt**

Without bolt holes

**Gebohrt**

With bolt holes

**Futtertyp / Chuck type**

Verzahnung 1,5mm x60° / Serration 1,5mm x60°

	Index / Id.-No	Typ/Type	Index / Id.-No	Typ/Type	A	B	C	D
AL-M 125; AL-M 165; AN-M 125; AN-M 165; AP-M 170; BB-M 140; BB-M 175; BH-M 130; BH-M 165; BHM-FC 165; HB-M 130; HB-M 165; HFKN-M 165-46; NT-M 170; PB-M 130; PB-M 165; PBI-M 165; RC-M 165	<b>17 0000 6550</b>	MBS-M 165-1	<b>17 0000 6551</b>	MWS-M 165-1	81	30	60	12
AL-M 210; AN-M 210; AP-M 215; APL-M 215; BB-M 210; BH-M 210; BHM-FC 210; BP-M 220; HB-M 210; HFKN-M 210-52; NT-M 215; PB-M 210; PBI-M 210; RC-M 210	<b>17 0000 5000</b>	MBS-M 210-1	<b>17 0000 5001</b>	MWS-M 210-1	95	35	35	14
	<b>17 0000 5010</b>	MBS-M 210-2	<b>17 0000 5011</b>	MWS-M 210-2	95	40	60	14
	<b>17 0000 5020</b>	MBS-M 210-3	<b>17 0000 5021</b>	MWS-M 210-3	95	40	80	14
	<b>17 0000 5030</b>	MBS-M 210-4	<b>17 0000 5031</b>	MWS-M 210-4	95	40	100	14
	<b>17 0000 5040</b>	MBS-M 210-5	<b>17 0000 5041</b>	MWS-M 210-5	102	40	80	14
AL-M 250; AN-M 250; AP-M 260; APL-M 260; BB-M 250; BH-M 250; BHM-FC 250; BP-M 260; HB-M 250; HFKN-M 260-72; NT-M 260; NTL-M 260; PB-M 250; PBI-M 250; RC-M 250	<b>17 0000 5060</b>	MBS-M 250-1	<b>17 0000 5061</b>	MWS-M 250-1	110	40	40	16
	<b>17 0000 5070</b>	MBS-M 250-2	<b>17 0000 5071</b>	MWS-M 250-2	110	40	60	16
	<b>17 0000 5080</b>	MBS-M 250-3	<b>17 0000 5081</b>	MWS-M 250-3	110	40	80	16
	<b>17 0000 5090</b>	MBS-M 250-4	<b>17 0000 5091</b>	MWS-M 250-4	110	40	100	16
AL-M 315; AN-M 315; AP-M 315; APL-M 315; BB-M 315; BH-M 315; BHM-FC 315; BP-M 320; GH-M 400; HB-M 315; HFKN-M 315-91; NT-M 315; NTL-M 315; PB-M 315; PBI-M 315; RC-M 305; RC-M 400	<b>17 0000 5110</b>	MBS-M 300-1	<b>17 0000 5111</b>	MWS-M 300-1	129	50	80	21
	<b>17 0000 5120</b>	MBS-M 300-2	<b>17 0000 5121</b>	MWS-M 300-2	129	50	100	21
	<b>17 0000 5130</b>	MBS-M 300-3	<b>17 0000 5131</b>	MWS-M 300-3	129	50	120	21

Für gebohrte Backenrohlinge geben Sie bitte die Maße H und E an

For jaws with bolt holes please indicate H and E dimensions

Nutbreite 12 mm  
Bohrung für M10  
Mindestwert:  
H = 12 mm, E = 16 mm

Nutbreite 14 mm  
Bohrung für M12  
Mindestwert:  
H = 12 mm, E = 19 mm

Slot width 12 mm  
bored for M10  
Minimum values:  
H = 12 mm, E = 16 mm

Slot width 14 mm  
bored for M12  
Minimum values:  
H = 12 mm, E = 19 mm

Nutbreite 16 mm  
Bohrung für M12  
Mindestwert:  
H = 15 mm, E = 25 mm

Nutbreite 21 mm  
Bohrung für M16  
Mindestwert:  
H = 15 mm, E = 25 mm

Slot width 16 mm  
bored for M12  
Minimum values:  
H = 15 mm, E = 25 mm

Slot width 21 mm  
bored for M16  
Minimum values:  
H = 15 mm, E = 25 mm

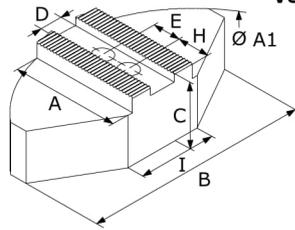
**Segmentbacken**

**Soft full grip jaws**

**Verzahnung 90°**

**Serration 90°**

**Stahl / Steel C45**



**Ausführung 1**

**Version 1**

Futtertyp / Chuck type	Index/Id.-No	Typ	A	B	C	D	E	Schrauben	H	I	A1	Ausführung
Verzahnung 1/16"x90° / Serration 1/16"x90°		Type						Screws				Version
AL-D 165; AN-D 165; AP-D 170; BB-D 175; BH-D 165; BHD-FC 165; GHD-FC 165; GHDN 165; HB-D 165; HFKN-D 165-46; HYND-S 180; NT-D 170; PB-D 165; PBI-D 165; RC-D 165; SP 160-38; STP 160; STWP 160	<b>17 0000 6580</b>	GPS-C 160-3	60	120	60	14	20	M10	25	40	160	1
HFK 160; HFKS 160; KDV 160; KDVG 160; KFMF 160; KFV 160	<b>17 0000 6590</b>	GPS-C 165-1	60	120	60	17	22	M12	25	40	160	1
210RCD; AL-D 210; AN-D 210; AP-D 215; APL-D 215; BB-D 210; BH-D 210; BHD-FC 210; BP-D 220; CD 200; GHD-FC 210; GHDN 210; HB-D 210; HDB 220; HDL 200; HDN 200; HDN 220; HFK 200; HFKN-D 210-52; HFKS 200; HYND-S 210; HYND-S 226; KDV 200; KDVG 200; KFMF 200; KFV 200; LP 205; NT-D 215; ODL 200; ODN 200; ODN 220; PB-D 210; PBI-D 210; RC-D 210; SP 200; STP 200; STWP 200	<b>17 0000 1300</b>	GPS-C 200-1	70	140	60	17	22	M12	35	64	200	1
	<b>17 0000 6560</b>	GPS-C 200-2	70	140	75	17	22	M12	35	64	200	1
AP-D 260 <sup>?)</sup> ; APL-D 260 <sup>?)</sup> ; BP-D 260 <sup>?)</sup> ; CC 240 Z; HDN 250S; KDV 250; KDVG 250; NT-D 260 <sup>?)</sup> ; NTL-D 260 <sup>?)</sup> ; ODN 250S; SP 240-78; STP 240	<b>17 0000 7390</b>	GPS-C 250-1	79	180	60	17	22	M12	44,5	104	250	1
250RCD; AL-D 250; AN-D 250; BB-D 250; BH-D 250; BHD-FC 250; CD 250; GHD-FC 250; GHDN 250; HB-D 250; HDL 250; HDN 250; HFK 250; HFK 270; HFKN-D 260-72; HFKS 250; HFKS 270; HYND-S 250; KFMF 250; KFV 250; LP 250; ODL 250; ODN 250; PB-D 250; PBI-D 250; RC-D 250; SP 250; SP 280-92; STP 250; STP 280; STWP 250	<b>17 0000 1310</b>	GPS-C 250-2	80	180	70	21	28	M16	30	104	250	1
	<b>17 0000 6570</b>	GPS-C 250-3	80	180	100	21	28	M16	30	104	250	1
305RCD; AL-D 315; AN-D 315; AP-D 315; APL-D 315; BB-D 315; BH-D 315; BHD-FC 315; BP-D 320; CC 350 Z; CD 315; GHD 400; GHD-FC 305; GHD-FC 400; GHDN 315; GHDN 400; HB-D 315; HDB 300; HDL 315; HDL 400; HDN 315; HDN 400; HFK 315; HFKN-D 315-91; HFKS 315; HYND-S 315; KDV 315; KDV 400; KDVG 315; KDVG 400; KFMF 315; KFV 315; NT-D 315; NTL-D 315; ODL 315; ODL 400; ODN 315; ODN 400; PB-D 315; PBI-D 315; RC-D 305; RC-D 400 <sup>?)</sup> ; SP 315; SP 350-115; SP 350-115 ES; SP-L 350-90; STP 315; STWP 315	<b>17 0000 1320</b>	GPS-C 315-1	110	240	70	21	28	M16	60	120	320	1

**Segmentbacken**

Verzahnung 90°

Soft full grip jaws

Serration 90°

Futtertyp / Chuck type	Index/Id.-No	Typ Type	A	B	C	D	E	Schrauben Screws	H	I	A1	Ausführung Version
Verzahnung 3/32"x90° / Serration 3/32"x90°												
AL-D 400; AN-D 400; AP-D 400 <sup>7)</sup> ; APL-D 400 <sup>7)</sup> ; APL-D 500 <sup>7)</sup> ; APL-D 630 <sup>7)</sup> ; APL-D 800 <sup>7)</sup> ; BB-AZ-ES 500; BB-AZ-ES 590-220; BB-EXL-SC2G 510-191; BB-EXL-SC2G 660-280; BB-N 400-140; BB-N 460; BB-N 470-191; BB-N 500-205; BB-N 500-230; BB-N 600-275; BB-N ES 400-140; BB-N ES 460; BB-N ES 470-191; BB-N ES 500-205; BB-N ES 500-230; BB-N ES 600-275; BB-N-EXL2G 510-191; BB-N-EXL2G 660-280; BB-SC 600-275; BH-D 400; BH-D 450; BH-D 500; BH-D 630; BH-D 800; BHD-FC 400; BHD-FC 500; BHD-FC 630; CC 470 Z; GHD 500; GHD 610; GHD 640; GHD 800; HFK 400; HFK 500; HFKN-D 400-128; HFKN-D 500-155; HFKS 400; HFKS 500; HYD-S 400; HYD-S 500; HYDL-S 500; HYDL-S 550; HYDL-S 630; HYDL-S 800; HYDLL-S 550; HYDLL-S 630; HYND-S 400; IEP-D 500 <sup>4)</sup> ; IEP-D 630 <sup>4)</sup> ; IEP-D 800 <sup>4)</sup> ; IL-D 500; IL-D 630; IL-D 800; IN-D 500; IN-D 630; IN-D 800; KDV 500; KDVG 500; KFV 400; KFV 500; KFV 630; KFV 800; NT-D 400 <sup>7)</sup> ; NTL-D 400 <sup>7)</sup> ; RC-D 500 <sup>7)</sup>	<b>17 0001 1690</b>	GPS-C 400-1	155	330	85	25,5	35	M20	85	150	440	1

4) Sechsbakenfutter

4) 6-jaw chuck – please order 2 sets per 3 pcs

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Segmentbacken

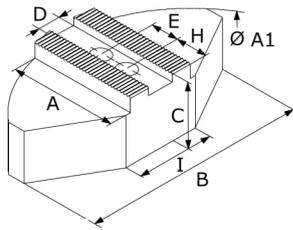
Soft full grip jaws

Verzahnung 90°

Serration 90°

Aluminium/Aluminum

Ausführung 1  
Version 1



Futtertyp / Chuck type	Index/Id.-No	Typ	A	B	C	D	E	Schrauben Screws	H	I	A1	Ausführung Version
AL-D 165; AN-D 165; AP-D 170; BB-D 175; BH-D 165; BHD-FC 165; GHD-FC 165; GHDN 165; HB-D 165; HFKN-D 165-46; HYND-S 180; NT-D 170; PB-D 165; PBI-D 165; RC-D 165; SP 160-38; STP 160; STWP 160	<b>17 0000 6300</b>	GPA-C 160-2	59,5	120	58	14	20	M10	25	40	165	1
HFK 160; HFKS 160; KDV 160; KDVG 160; KFMF 160; KFV 160	<b>17 0000 6310</b>	GPA-C 165-1	59,5	120	58	17	22	M12	22	40	165	1
210RCD; AL-D 210; AN-D 210; AP-D 215; APL-D 215; BB-D 210; BH-D 210; BHD-FC 210; BP-D 220; CD 200; GHD-FC 210; GHDN 210; HB-D 210; HDB 220; HDL 200; HDN 200; HDN 220; HFK 200; HFKN-D 210-52; HFKS 200; HYND-S 210; HYND-S 226; KDV 200; KDVG 200; KFMF 200; KFV 200; LP 205; NT-D 215; ODL 200; ODN 200; ODN 220; PB-D 210; PBI-D 210; RC-D 210; SP 200; STP 200; STWP 200	<b>17 0000 6320</b>	GPA-C 200-1	72,5	140	58	17	22	M12	35	50	200	1
	<b>17 0000 6330</b>	GPA-C 200-2	72,5	140	75	17	22	M12	35	50	200	1
250RCD; AL-D 250; AN-D 250; BB-D 250; BH-D 250; BHD-FC 250; CD 250; GHD-FC 250; GHDN 250; HB-D 250; HDL 250; HDN 250; HFK 250; HFK 270; HFKN-D 260-72; HFKS 250; HFKS 270; HYND-S 250; KFMF 250; KFV 250; LP 250; ODL 250; ODN 250; PB-D 250; PBI-D 250; RC-D 250; SP 250; SP 280-92; STP 250; STP 280; STWP 250	<b>17 0000 6340</b>	GPA-C 250-1	87,5	180	78	21	28	M16	40	70	250	1
	<b>17 0000 6350</b>	GPA-C 250-2	87,5	180	100	21	28	M16	40	70	250	1
305RCD; AL-D 315; AN-D 315; AP-D 315; APL-D 315; BB-D 315; BH-D 315; BHD-FC 315; BP-D 320; CC 350 Z; CD 315; GHD 400; GHD-FC 305; GHD-FC 400; GHDN 315; GHDN 400; HB-D 315; HDB 300; HDL 315; HDL 400; HDN 315; HDN 400; HFK 315; HFKN-D 315-91; HFKS 315; HYND-S 315; KDV 315; KDV 400; KDVG 315; KDVG 400; KFMF 315; KFV 315; NT-D 315; NTL-D 315; ODL 315; ODL 400; ODN 315; ODN 400; PB-D 315; PBI-D 315; RC-D 305; RC-D 400; SP 315; SP 350-115; SP 350-115 ES; SP-L 350-90; STP 315; STWP 315	<b>17 0000 6360</b>	GPA-C 315-1	117	240	78	21	28	M16	70	80	320	1

**Segmentbacken**

Verzahnung 90°

Soft full grip jaws

Serration 90°

Futtertyp / Chuck type	Index/Id.-No	Type	A	B	C	D	E	Schrauben Screws	H	I	A1	Ausführung Version
AL-D 400; AN-D 400; AP-D 400 <sup>7)</sup> ; APL-D 400 <sup>7)</sup> ; APL-D 500 <sup>7)</sup> ; APL-D 630 <sup>7)</sup> ; APL-D 800 <sup>7)</sup> ; BB-AZ-ES 500; BB-AZ-ES 590-220; BB-EXL-SC2G 510-191; BB-EXL-SC2G 660-280; BB-N 400-140; BB-N 460; BB-N 470-191; BB-N 500-205; BB-N 500-230; BB-N 600-275; BB-N ES 400-140; BB-N ES 460; BB-N ES 470-191; BB-N ES 500-205; BB-N ES 500-230; BB-N ES 600-275; BB-N-EXL2G 510-191; BB-N-EXL2G 660-280; BB-SC 600-275; BH-D 400; BH-D 450; BH-D 500; BH-D 630; BH-D 800; BHD-FC 400; BHD-FC 500; BHD-FC 630; CC 470 Z; GHD 500; GHD 610; GHD 640; GHD 800; HFK 400; HFK 500; HFKN-D 400-128; HFKN-D 500-155; HFKS 400; HFKS 500; HYD-S 400; HYD-S 500; HYDL-S 500; HYDL-S 550; HYDL-S 630; HYDL-S 800; HYDLL-S 550; HYDLL-S 630; HYND-S 400; IEP-D 500 <sup>4)</sup> ; IEP-D 630 <sup>4)</sup> ; IEP-D 800 <sup>4)</sup> ; IL-D 500; IL-D 630; IL-D 800; IN-D 500; IN-D 630; IN-D 800; KDV 500; KDBG 500; KVV 400; KVV 500; KVV 630; KVV 800; NT-D 400 <sup>7)</sup> ; NTL-D 400 <sup>7)</sup> ; RC-D 500 <sup>7)</sup>	<b>17 0001 1770</b>	GPA-C 400-1	160	330	98	25,5	35	M20	85	150	440	1

4) Sechsenbackenfutter

4) 6-jaw chuck – please order 2 sets per 3 pcs

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Segmentbacken

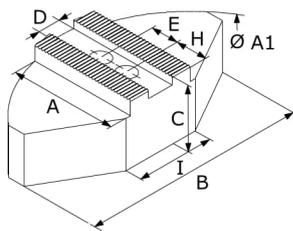
Soft full grip jaws

Verzahnung 60°

Serration 60°

Stahl / Steel C45

Ausführung 1  
Version 1



Futtertyp / Chuck type	Index/Id.-No	Typ	A	B	C	D	E	Schrauben Screws	H	I	A1	Ausführung Version
AL-M 165; AN-M 165; AP-M 170; BB-M 175; BH-M 165; BHM-FC 165; HB-M 165; HFKN-M 165-46; NT-M 170; PB-M 165; PBI-M 165; RC-M 165	<b>17 0000 1380</b>	GPS-M 165-1	60	120	50	12	20	M10	25	50	160	1
AL-M 210; AN-M 210; AP-M 215; APL-M 215; BB-M 210; BH-M 210; BHM-FC 210; BP-M 220; HB-M 210; HFKN-M 210-52; NT-M 215; PB-M 210; PBI-M 210; RC-M 210	<b>17 0000 1390</b>	GPS-M 210-1	70	140	60	14	25	M12	30	70	200	1
	<b>17 0000 6610</b>	GPS-M 210-2	70	140	80	14	25	M12	30	70	200	1
AL-M 250; AN-M 250; AP-M 260; APL-M 260; BB-M 250; BH-M 250; BHM-FC 250; BP-M 260; HB-M 250; HFKN-M 260-72; NT-M 260; NTL-M 260; PB-M 250; PBI-M 250; RC-M 250	<b>17 0000 1400</b>	GPS-M 250-1	80	180	60	16	30	M12	30	100	250	1
	<b>17 0000 6620</b>	GPS-M 250-2	80	180	80	16	30	M12	30	100	250	1
AL-M 315; AN-M 315; AP-M 315; APL-M 315; BB-M 315; BH-M 315; BHM-FC 315; BP-M 320; GH-M 400; HB-M 315; HFKN-M 315-91; NT-M 315; NTL-M 315; PB-M 315; PBI-M 315; RC-M 305; RC-M 400	<b>17 0000 1410</b>	GPS-M 300-2	110	240	70	21	30	M16	45	120	300	1

**Segmentbacken**

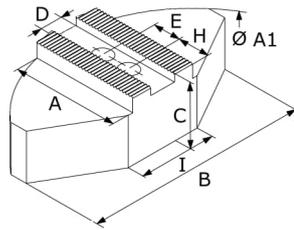
Soft full grip jaws

Verzahnung 60°

Serration 60°

Aluminium/Aluminum

Ausführung 1  
Version 1



Futtertyp / Chuck type	Index/Id.-No	Typ Type	A	B	C	D	E	Schrauben Screws	H	I	A1	Ausführung Version
AL-M 165; AN-M 165; AP-M 170; BB-M 175; BH-M 165; BHM-FC 165; HB-M 165; HFKN-M 165-46; NT-M 170; PB-M 165; PBI-M 165; RC-M 165	<b>17 0000 6370</b>	GPA-M 165-1	59,5	120	58	12	20	M10	25	40	165	1
AL-M 210; AN-M 210; AP-M 215; APL-M 215; BB-M 210; BH-M 210; BHM-FC 210; BP-M 220; HB-M 210; HFKN-M 210-52; NT-M 215; PB-M 210; PBI-M 210; RC-M 210	<b>17 0000 6380</b>	GPA-M 210-1	72,5	140	58	14	25	M12	35	50	200	1
	<b>17 0000 6390</b>	GPA-M 210-2	72,5	140	80	14	25	M12	35	50	200	1
AL-M 250; AN-M 250; AP-M 260; APL-M 260; BB-M 250; BH-M 250; BHM-FC 250; BP-M 260; HB-M 250; HFKN-M 260-72; NT-M 260; NTL-M 260; PB-M 250; PBI-M 250; RC-M 250	<b>17 0000 6400</b>	GPA-M 250-1	87,5	180	58	16	30	M12	40	70	250	1
	<b>17 0000 6410</b>	GPA-M 250-2	87,5	180	80	16	30	M12	40	70	250	1
AL-M 315; AN-M 315; AP-M 315; APL-M 315; BB-M 315; BH-M 315; BHM-FC 315; BP-M 320; GH-M 400; HB-M 315; HFKN-M 315-91; NT-M 315; NTL-M 315; PB-M 315; PBI-M 315; RC-M 305; RC-M 400	<b>17 0000 6430</b>	GPA-M 300-2	117	240	78	21	30	M16	45	80	320	1

# Harte Aufsatzbacken

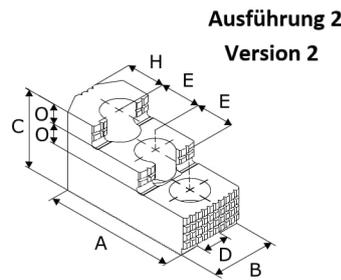
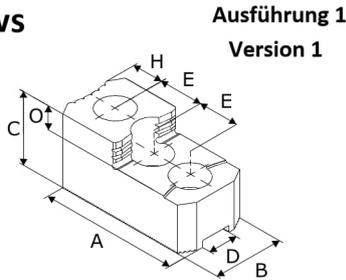
## Hard stepped top jaws

Verzahnung 90°

Serration 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



### Futtertyp / Chuck type

Verzahnung 1/16"x90° / Serration 1/16"90°

	Index / Id.-No	Typ Type	A	B	C	D	E	Schrauben Screws	H	O	Ausführung Version
SP 125-26 <sup>7)</sup> ; STP 125 <sup>7)</sup>	<b>17 0000 7440</b>	SGT-C 125-1	58,5	26	40	11	16	M8	14,5	9	2
	<b>17 0000 1460</b>	SGT-C 160-1	58	30	34	12	16	M8	13	8,5	2
HFKS 130; STWP 125	<b>17 0000 7440</b>	SGT-C 125-1	58,5	26	40	11	16	M8	14,5	9	2
AL-D 125; AN-D 125; BB-D 140; BH-D 130; GHDN 125; HB-D 130; KDV 130; ODN 125; PB-D 130; PBI-D 130	<b>17 0000 1460</b>	SGT-C 160-1	58	30	34	12	16	M8	13	8,5	2
AL-D 165; AN-D 165; AP-D 170; BB-D 175; BH-D 165; BHD-FC 165; GHD-FC 165; GHDN 165; HB-D 165; HFKN-D 165-46; HYND-S 180; NT-D 170; PB-D 165; PBI-D 165; RC-D 165; SP 160-38; STP 160; STWP 160	<b>17 0000 1470</b>	SGT-C 160-2	65	34	40	14	16,5	M10	17,5	9,5	2
HFK 160; HFKS 160; KDV 160; KDVG 160; KFMF 160; KfV 160	<b>17 0000 7460</b>	SGT-C 165-1	64,7	35	40	17	19	M12	28	10	2
	<b>17 0000 7470</b>	SGT-C 165-2	72,5	40	49	17	19	M12	18	12	2
210RCD; AL-D 210; AN-D 210; AP-D 215; AP-D 260 <sup>7)</sup> ; APL-D 215; APL-D 260 <sup>7)</sup> ; BB-D 210; BH-D 210; BHD-FC 210; BP-D 220; BP-D 260 <sup>7)</sup> ; CC 240 Z; CD 200; GHD-FC 210; GHDN 210; HB-D 210; HDB 220; HDL 200; HDN 200; HDN 220; HDN 250S; HFK 200; HFKN-D 210-52; HFKS 200; HYND-S 210; HYND-S 226; KDV 200; KDV 250; KDVG 200; KDVG 250; KFMF 200; KfV 200; LP 205; NT-D 215; NT-D 260 <sup>7)</sup> ; NTL-D 260 <sup>7)</sup> ; ODL 200; ODN 200; ODN 220; ODN 250S; PB-D 210; PBI-D 210; RC-D 210; SP 200; SP 240-78; STP 200; STP 240; STWP 200	<b>17 0000 1480</b>	SGT-C 200-1	83	40	46	17	23	M12	20	10,5	2
250RCD; AL-D 250; AN-D 250; BB-D 250; BH-D 250; BHD-FC 250; CD 250; GHD-FC 250; GHDN 250; HB-D 250; HDL 250; HDN 250; HFK 250; HFK 270; HFKN-D 260-72; HFKS 250; HFKS 270; HYND-S 250; KFMF 250; KfV 250; LP 250; ODL 250; ODN 250; PB-D 250; PBI-D 250; RC-D 250; SP 250; SP 280-92; STP 250; STP 280; STWP 250	<b>17 0000 1490</b>	SGT-C 250-1	106	45	56	21	30	M16	27	13,5	2
305RCD; AL-D 315; AN-D 315; AP-D 315; APL-D 315; BB-D 315; BH-D 315; BHD-FC 315; BP-D 320; CC 350 Z; CD 315; GHD 400; GHD-FC 305; GHD-FC 400; GHDN 315; GHDN 400; HB-D 315; HDB 300; HDL 315; HDL 400; HDN 315; HDN 400; HFK 315; HFKN-D 315-91; HFKS 315; HYND-S 315; KDV 315; KDV 400; KDVG 315; KDVG 400; KFMF 315; KfV 315; NT-D 315; NTL-D 315; ODL 315; ODL 400; ODN 315; ODN 400; PB-D 315; PBI-D 315; RC-D 305; RC-D 400 <sup>7)</sup> ; SP 315; SP 350-115; SP 350-115 ES; SP-L 350-90; STP 315; STWP 315	<b>17 0000 1500</b>	SGT-C 315-1	124	50	56	21	30	M16	45	13,5	2

**Harte Aufsatzbacken**

Verzahnung 90°

Hard stepped top jaws

Serration 90°

Futtertyp / Chuck type	Index / Id.-No	Typ Type	A	B	C	D	E	Schrauben Screws	H	O	Ausführung Version
AL-D 400; AN-D 400; AP-D 400 <sup>7)</sup> ; APL-D 400 <sup>7)</sup> ; APL-D 500 <sup>7)</sup> ; APL-D 630 <sup>7)</sup> ; APL-D 800 <sup>7)</sup> ; BB-AZ-ES 500; BB-AZ-ES 590-220; BB-EXL-SC2G 510-191; BB-EXL-SC2G 660-280; BB-N 400-140; BB-N 460; BB-N 470-191; BB-N 500-205; BB-N 500-230; BB-N 600-275; BB-N ES 400-140; BB-N ES 460; BB-N ES 470-191; BB-N ES 500-205; BB-N ES 500-230; BB-N ES 600-275; BB-N-EXL2G 510-191; BB-N-EXL2G 660-280; BB-SC 600-275; BH-D 400; BH-D 450; BH-D 500; BH-D 630; BH-D 800; BHD-FC 400; BHD-FC 500; BHD-FC 630; CC 470 Z; GHD 500; GHD 610; GHD 640; GHD 800; HFK 400; HFK 500; HFKN-D 400-128; HFKN-D 500-155; HFKS 400; HFKS 500; HYD-S 400; HYD-S 500; HYDL-S 500; HYDL-S 550; HYDL-S 630; HYDL-S 800; HYDLL-S 550; HYDLL-S 630; HYND-S 400; IEP-D 500 <sup>4)</sup> ; IEP-D 630 <sup>4)</sup> ; IEP-D 800 <sup>4)</sup> ; IL-D 500; IL-D 630; IL-D 800; IN-D 500; IN-D 630; IN-D 800; KDV 500; KDVG 500; KfV 400; KfV 500; KfV 630; KfV 800; NT-D 400 <sup>7)</sup> ; NTL-D 400 <sup>7)</sup> ; RC-D 500 <sup>7)</sup>	<b>17 0000 1520</b>	SGT-C 400-1	141	60	75	25,5	38	M20	38	19	2
BB 400; BB 400 ES; BB 500; BB 500 ES; BB 630-265 ES; LP 380; LP 460; LP 500; STP 400; STP 500	<b>17 0000 7480</b>	SGT-C 400-2	160	57	73	25,5	42	M18	43	22	1
BB 630; BB 630-325 ES; BB-AZ-ES 630-275; BB-AZ-ES 750-370; BB-AZ2G 685-275; BB-AZ2G 740-330; BB-N 630-310; BB-N ES 630-325; STP 630	<b>17 0000 7490</b>	SGT-C 600-2	174	75	88	30	50	M24	44,5	30	1
BB 800; BB 850 ES; BB 1000; BB 1000 ES; BB-AZ2G 800-390; BB-AZ2G 1000-560; BB-EXL-SC2G 900-390; BB-N 800-410; BB-N 1000; BB-N ES 850-375; BB-N ES 1000-560; BB-N-EXL2G 900-390; BB-SC 850-395; BB-SC 1020-565; STP 800	<b>17 0000 7500</b>	SGT-C 800-1	250	75	105	30	60	M24	92	22	2

4) Sechsbakenfutter

4) 6-jaw chuck – please order 2 sets per 3 pcs

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Harte Aufsatzbacken

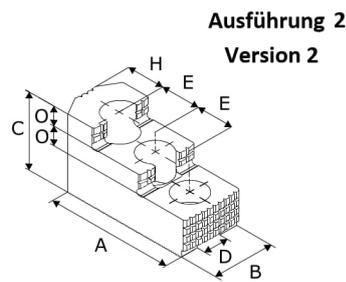
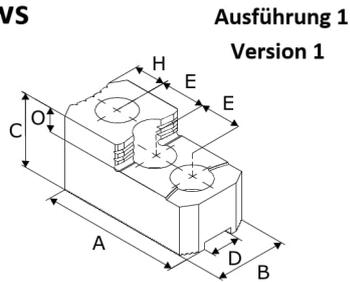
## Hard stepped top jaws

Verzahnung 60°

Serration 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



### Futtertyp / Chuck type

Index/Id.-No

Typ

A

B

C

D

E

Schrauben

H

O

Ausführung

Verzahnung 1,5mm x 60° / Serration 1,5mm x 60°

Type

Screws

Version

AL-M 165; AN-M 165; AP-M 170; BB-M 175; BH-M 165; BHM-FC 165; HB-M 165; HFKN-M 165-46; NT-M 170; PB-M 165; PBI-M 165; RC-M 165	<b>17 0000 1540</b>	SGT-M 165-1	67	31	36	12	20	M10	14	12	1
AL-M 210; AN-M 210; AP-M 215; APL-M 215; BB-M 210; BH-M 210; BHM-FC 210; BP-M 220; HB-M 210; HFKN-M 210-52; NT-M 215; PB-M 210; PBI-M 210; RC-M 210	<b>17 0000 7510</b>	SGT-M 210-1	79	32	38	14	25	M12	16	12	1
	<b>17 0000 1550</b>	SGT-M 210-2	87	35	51	14	25	M12	20,5	12	2
AL-M 250; AN-M 250; AP-M 260; APL-M 260; BB-M 250; BH-M 250; BHM-FC 250; BP-M 260; HB-M 250; HFKN-M 260-72; NT-M 260; NTL-M 260; PB-M 250; PBI-M 250; RC-M 250	<b>17 0000 1560</b>	SGT-M 250-1	101	40	54	16	30	M12	23	13	2
AL-M 315; AN-M 315; AP-M 315; APL-M 315; BB-M 315; BH-M 315; BHM-FC 315; BP-M 320; GH-M 400; HB-M 315; HFKN-M 315-91; NT-M 315; NTL-M 315; PB-M 315; PBI-M 315; RC-M 305; RC-M 400	<b>17 0000 1570</b>	SGT-M 300-3	103	50	52	21	30	M16	22,5	17	1
	<b>17 0000 7530</b>	SGT-M 300-4	128	50	62	21	30	M16	46	14	2
AL-M 400; AN-M 400; AP-M 400 <sup>?)</sup> ; APL-M 400 <sup>?)</sup> ; BH-M 400; BH-M 450; BHM-FC 400 <sup>?)</sup> ; NT-M 400 <sup>?)</sup> ; NTL-M 400 <sup>?)</sup>	<b>17 0000 3170</b>	SGT-M 380-1	149	62	86	22	43	M20	30,5	20	2

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Harte Spannbacken-Stangenspannung

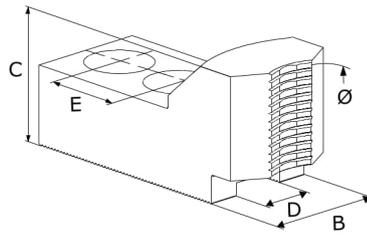
Hard jaws for bar clamping

Verzahnung 1/16"x90°

Serration 1/16"x90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp / Chuck type ab Ø 160mm / from Ø 160mm	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ Type	B	C	D	E	Schrauben Screws
AL-D 165	5 - 25	179	<b>17 0001 1780</b>	GTM-C 160-3	30	40	14	16,5	M10
	15 - 39	179	<b>17 0001 1790</b>	GTM-C 160-4	30	40	14	16,5	M10
AN-D 165	5 - 19	173	<b>17 0001 1780</b>	GTM-C 160-3	30	40	14	16,5	M10
	15 - 34	173	<b>17 0001 1790</b>	GTM-C 160-4	30	40	14	16,5	M10
AP-D 170	5 - 26	180	<b>17 0001 1780</b>	GTM-C 160-3	30	40	14	16,5	M10
	15 - 40	180	<b>17 0001 1790</b>	GTM-C 160-4	30	40	14	16,5	M10
BB-D 175	5 - 31	184	<b>17 0001 1780</b>	GTM-C 160-3	30	40	14	16,5	M10
	15 - 45	184	<b>17 0001 1790</b>	GTM-C 160-4	30	40	14	16,5	M10
BH-D 165	5 - 22	176	<b>17 0001 1780</b>	GTM-C 160-3	30	40	14	16,5	M10
	15 - 37	176	<b>17 0001 1790</b>	GTM-C 160-4	30	40	14	16,5	M10
BHD-FC 165	5 - 23	177	<b>17 0001 1780</b>	GTM-C 160-3	30	40	14	16,5	M10
	15 - 38	177	<b>17 0001 1790</b>	GTM-C 160-4	30	40	14	16,5	M10
GHD-FC 165; GHDN 165	5 - 22	176	<b>17 0001 1780</b>	GTM-C 160-3	30	40	14	16,5	M10
	15 - 37	176	<b>17 0001 1790</b>	GTM-C 160-4	30	40	14	16,5	M10
HB-D 165	5 - 31	184	<b>17 0001 1780</b>	GTM-C 160-3	30	40	14	16,5	M10
	15 - 45	184	<b>17 0001 1790</b>	GTM-C 160-4	30	40	14	16,5	M10
HFK 160	5 - 30	181	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	21 - 45	181	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
HFKN-D 165-46	5 - 24	178	<b>17 0001 1780</b>	GTM-C 160-3	30	40	14	16,5	M10
	15 - 39	178	<b>17 0001 1790</b>	GTM-C 160-4	30	40	14	16,5	M10
HFKS 160	5 - 30	181	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	21 - 45	181	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
KDV 160; KDVG 160	5 - 20	172	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	14 - 36	172	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
KFMF 160	5 - 31	182	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	22 - 46	182	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
KFV 160	5 - 22	174	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	14 - 38	174	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
NT-D 170	5 - 26	180	<b>17 0001 1780</b>	GTM-C 160-3	30	40	14	16,5	M10
	15 - 40	180	<b>17 0001 1790</b>	GTM-C 160-4	30	40	14	16,5	M10
PB-D 165; PBI-D 165	5 - 31	184	<b>17 0001 1780</b>	GTM-C 160-3	30	40	14	16,5	M10
	15 - 45	184	<b>17 0001 1790</b>	GTM-C 160-4	30	40	14	16,5	M10
SP 160-38	5 - 30	183	<b>17 0001 1780</b>	GTM-C 160-3	30	40	14	16,5	M10
	15 - 44	183	<b>17 0001 1790</b>	GTM-C 160-4	30	40	14	16,5	M10
STP 160	5 - 30	183	<b>17 0001 1780</b>	GTM-C 160-3	30	40	14	16,5	M10
	15 - 44	183	<b>17 0001 1790</b>	GTM-C 160-4	30	40	14	16,5	M10

**Harte Spannbacken-Stangenspannung**
**Hard jaws for bar clamping**
**Verzahnung 1/16"x90°**
**Serration 1/16"x90°**

<b>Futtertyp / Chuck type</b> ab Ø 200mm / from Ø 200mm	<b>Durchmesser</b> Clamping range	<b>Durchlass</b> Swing diameter	<b>Index/Id.-No</b>	<b>Typ</b> Type	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>Schrauben</b> Screws
AL-D 210	5 – 31	223	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 50	223	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
AN-D 210	5 – 23	215	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 42	215	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
AP-D 215	5 – 29	221	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 48	221	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
APL-D 215	5 – 38	230	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 57	230	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
BB-D 210	5 – 25	217	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 44	217	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
BH-D 210; BHD-FC 210	5 – 24	216	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 43	216	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
BP-D 220	5 – 31	223	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 50	223	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
GHD-FC 210; GHDN 210	5 – 31	223	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 50	223	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
HB-D 210	5 – 33	225	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	18 – 52	225	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
HFK 200	5 – 27	219	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 46	219	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
HFKN-D 210-52	5 – 37	229	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 56	229	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
HFKS 200	5 – 27	219	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 46	219	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
KDV 200; KDVG 200	5 – 18	210	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 38	210	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
KFMF 200	5 – 23	215	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 42	215	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
KFV 200	5 – 20	212	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 40	212	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
NT-D 215	5 – 29	221	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 48	221	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
PB-D 210; PBI-D 210	5 – 33	225	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	17 – 52	225	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
SP 240-78	16 – 55	247	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	37 – 74	247	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
STP 240	19 – 58	250	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	40 – 77	250	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
<b>ab Ø 250mm / from Ø 250mm</b>									
AL-D 250	5 – 42	273	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 66	273	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
AN-D 250	5 – 32	263	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 56	263	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
AP-D 260 <sup>7)</sup>	5 – 73	264	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	18 – 91	264	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
APL-D 260 <sup>7)</sup>	5 – 83	274	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 101	274	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12

**Harte Spannbacken-Stangenspannung**  
**Hard jaws for bar clamping**

**Verzahnung 1/16"x90°**  
**Serration 1/16"x90°**

Futertyp / Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws
BB-D 250	5 – 32	263	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	26 – 56	263	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
BH-D 250; BHD-FC 250	5 – 31	262	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 55	262	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
BP-D 260 <sup>7)</sup>	5 – 69	260	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	24 – 87	260	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
GHD-FC 250; GHDN 250	5 – 36	267	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 60	267	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
HB-D 250	5 – 44	275	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	29 – 68	275	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
HFK 250	5 – 36	267	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 60	267	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
HFKN-D 260-72	5 – 47	278	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 70	278	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
HFKS 250	5 – 36	267	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 60	267	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
KDV 250; KDVG 250	5 – 68	259	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 86	259	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
KFMF 250	5 – 39	270	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 63	270	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
KFV 250	5 – 33	264	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 57	264	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
NT-D 260 <sup>7)</sup>	5 – 73	264	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	18 – 91	264	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
NTL-D 260 <sup>7)</sup>	5 – 83	274	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	20 – 101	274	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
PB-D 250; PBI-D 250	5 – 44	275	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	28 – 68	275	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
SP 280-92; STP 280	22 – 68	299	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	48 – 91	299	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
<b>ab Ø 315mm / from Ø 315mm</b>									
AL-D 315	5 – 53	342	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 72	342	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
AN-D 315	5 – 41	330	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 60	330	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
AP-D 315	5 – 40	329	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 59	329	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
APL-D 315	5 – 52	341	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 71	341	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
BB-D 315	5 – 40	329	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	19 – 59	329	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
BH-D 315; BHD-FC 315	5 – 41	330	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 60	330	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
BP-D 320	5 – 43	332	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 62	332	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
HB-D 315	5 – 49	338	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 68	338	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16

**Harte Spannbacken-Stangenspannung**

Verzahnung 1/16"x90°

**Hard jaws for bar clamping**

Serration 1/16"x90°

Futtertyp / Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws
HFK 315	5 – 50	339	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 69	339	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
HFKN-D 315-91	5 – 51	340	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 70	340	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
HFKS 315	5 – 50	339	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 69	339	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
KDV 315; KDVG 315	5 – 44	333	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 63	333	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
KFMF 315	5 – 50	339	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 69	339	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
KfV 315	5 – 46	335	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 65	335	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
NT-D 315	5 – 40	329	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 59	329	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
NTL-D 315	5 – 52	342	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 71	342	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
PB-D 315; PBI-D 315	5 – 49	338	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 68	338	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
SP 350-115	5 – 81	370	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 99	370	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
SP 350-115 ES	5 – 91	380	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	24 – 109	380	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
SP-L 350-90	9 – 135	424	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	30 – 152	424	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
<b>ab Ø 400mm / from Ø 400mm</b>									
KDV 400; KDVG 400	5 – 128	417	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 145	417	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Harte Spannbacken-Stangenspannung

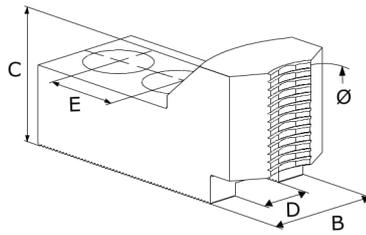
Hard jaws for bar clamping

Verzahnung 3/32"x90°

Serration 3/32"x90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp / Chuck type ab Ø 400mm / from Ø 400mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws
AL-D 400	34 – 120	441	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
AN-D 400	34 – 108	429	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
AP-D 400 <sup>7)</sup>	34 – 96	417	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
APL-D 400 <sup>7)</sup>	34 – 110	431	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
BB-N 400-140	49 – 149	471	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
BB-N 470-191	104 – 207	529	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
BB-N ES 400-140	62 – 173	495	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
BB-N ES 470-191	87 – 189	511	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
BH-D 400	34 – 98	419	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
BH-D 450	34 – 157	479	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
BHD-FC 400	34 – 98	419	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
HFK 400	34 – 118	439	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
HFKN-D 400-128	34 – 117	438	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
HFKS 400	34 – 118	439	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KFV 400	34 – 109	430	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
NT-D 400 <sup>7)</sup>	34 – 96	417	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
NTL-D 400 <sup>7)</sup>	34 – 110	431	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
<b>ab Ø 500mm / from Ø 500mm</b>									
APL-D 500 <sup>7)</sup>	34 – 219	541	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
BB-AZ-ES 590-220	152 – 284	607	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
BB-N 500-205	129 – 269	591	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
BB-N 500-230	148 – 288	611	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
BB-N ES 500-205	152 – 297	619	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
BB-N ES 500-230	176 – 295	617	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
BB-N-EXL2G 510-191	142 – 247	569	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
BH-D 500	79 – 222	544	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
BHD-FC 500	55 – 217	539	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
HFK 500	59 – 212	534	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
HFKN-D 500-155	42 – 216	538	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
HFKS 500	59 – 212	534	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
IL-D 500	55 – 247	569	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
IN-D 500	59 – 243	565	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KDV 500	34 – 204	526	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KDVG 500	34 – 204	526	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KFV 500	34 – 208	530	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Harte Spannbacken-Stangenspannung

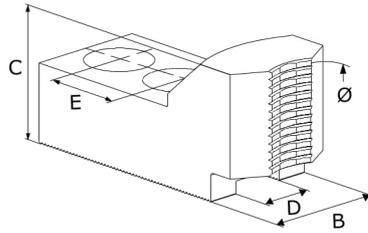
## Hard jaws for bar clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



### Futkertyp / Chuck type ab Ø 165mm / from Ø 165mm

	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws
AL-M 165	5 - 32	187	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 - 42	187	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
AN-M 165	5 - 26	181	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 - 36	181	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
AP-M 170	5 - 33	188	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 - 43	188	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
BB-M 175	5 - 38	193	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	16 - 48	193	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
BH-M 165	5 - 29	184	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 - 39	184	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
BHM-FC 165	5 - 30	185	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 - 40	185	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
HFKN-M 165-46	5 - 24	180	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 - 35	180	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
NT-M 170	5 - 33	188	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 - 43	188	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
<b>ab Ø 210mm / from Ø 210mm</b>									
AL-M 210	5 - 38	232	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 - 52	232	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
AN-M 210	5 - 30	224	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 - 45	224	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
AP-M 215	5 - 36	230	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 - 50	230	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
APL-M 215	5 - 45	239	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 - 59	239	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
BB-M 210	5 - 32	226	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 - 47	226	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
BH-M 210; BHM-FC 210	5 - 31	225	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 - 46	225	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
BP-M 220	5 - 38	232	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 - 52	232	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
HFKN-M 210-52	5 - 40	234	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 - 54	234	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
NT-M 215	5 - 36	230	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 - 50	230	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
<b>ab Ø 250mm / from Ø 250mm</b>									
AL-M 250	5 - 40	268	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 - 64	268	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
AN-M 250	5 - 30	258	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 - 55	258	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12

**Harte Spannbacken-Stangenspannung**

**Verzahnung 1,5mm x 60°**

**Hard jaws for bar clamping**

**Serration 1,5mm x 60°**

<b>Futkertyp / Chuck type</b>	<b>Durchmesser Clamping range</b>	<b>Durchlass Swing diameter</b>	<b>Index/Id.-No</b>	<b>Typ Type</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>Schrauben Screws</b>
AP-M 260	5 – 40	268	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 64	268	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
APL-M 260	5 – 50	278	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 74	278	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
BB-M 250	5 – 30	258	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	24 – 55	258	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
BH-M 250; BHM-FC 250	5 – 29	257	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 54	257	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
BP-M 260	5 – 36	264	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 60	264	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
HFKN-M 260-72	5 – 45	273	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 69	273	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
NT-M 260	5 – 40	268	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 64	268	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
NTL-M 260	5 – 50	278	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 74	278	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
<b>ab Ø 315mm / from Ø 315mm</b>									
AL-M 315	5 – 69	334	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 88	334	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16
AN-M 315	5 – 57	322	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 76	322	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16
AP-M 315	5 – 56	321	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 75	321	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16
APL-M 315	5 – 68	333	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 87	333	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16
BB-M 315	15 – 56	321	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	36 – 75	321	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16
BH-M 315; BHM-FC 315	5 – 57	322	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 76	322	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16
BP-M 320	5 – 59	324	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 78	324	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16
HFKN-M 315-91	5 – 68	333	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 87	333	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16
NT-M 315	5 – 56	321	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 75	321	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16
NTL-M 315	5 – 68	334	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 87	334	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16

# Krallenbacken Außenspannung

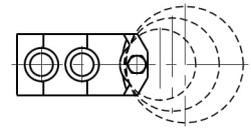
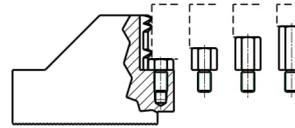
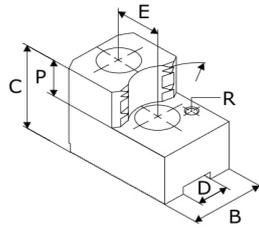
## Hard claw jaws for O.D. clamping

Verzahnung 1/16" x 90°

Serration 1/16" x 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type	Durchmesser ab Ø 160mm / from Ø 160mm	Durchlass Clamping range	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
AL-D 165	29 - 56	180	<b>17 0000 7620</b>	GTZ-C 160-4	30	47	14	20	M10	20	M6
	48 - 79	181	<b>17 0000 7630</b>	GTZ-C 160-5	30	47	14	20	M10	20	M6
	74 - 106	182	<b>17 0000 7640</b>	GTZ-C 160-6	30	47	14	20	M10	20	M6
	100 - 132	190	<b>17 0000 7650</b>	GTZ-C 160-7	35	47	14	20	M10	20	M6
AN-D 165	29 - 51	174	<b>17 0000 7620</b>	GTZ-C 160-4	30	47	14	20	M10	20	M6
	49 - 73	175	<b>17 0000 7630</b>	GTZ-C 160-5	30	47	14	20	M10	20	M6
	75 - 100	176	<b>17 0000 7640</b>	GTZ-C 160-6	30	47	14	20	M10	20	M6
	100 - 126	184	<b>17 0000 7650</b>	GTZ-C 160-7	35	47	14	20	M10	20	M6
AP-D 170	29 - 57	181	<b>17 0000 7620</b>	GTZ-C 160-4	30	47	14	20	M10	20	M6
	50 - 80	181	<b>17 0000 7630</b>	GTZ-C 160-5	30	47	14	20	M10	20	M6
	76 - 107	183	<b>17 0000 7640</b>	GTZ-C 160-6	30	47	14	20	M10	20	M6
	101 - 133	191	<b>17 0000 7650</b>	GTZ-C 160-7	35	47	14	20	M10	20	M6
BB-D 175	36 - 62	185	<b>17 0000 7620</b>	GTZ-C 160-4	30	47	14	20	M10	20	M6
	59 - 85	186	<b>17 0000 7630</b>	GTZ-C 160-5	30	47	14	20	M10	20	M6
	85 - 112	188	<b>17 0000 7640</b>	GTZ-C 160-6	30	47	14	20	M10	20	M6
	111 - 138	196	<b>17 0000 7650</b>	GTZ-C 160-7	35	47	14	20	M10	20	M6
BH-D 165	29 - 53	177	<b>17 0000 7620</b>	GTZ-C 160-4	30	47	14	20	M10	20	M6
	50 - 76	178	<b>17 0000 7630</b>	GTZ-C 160-5	30	47	14	20	M10	20	M6
	76 - 103	179	<b>17 0000 7640</b>	GTZ-C 160-6	30	47	14	20	M10	20	M6
	102 - 129	187	<b>17 0000 7650</b>	GTZ-C 160-7	35	47	14	20	M10	20	M6
BHD-FC 165	29 - 54	178	<b>17 0000 7620</b>	GTZ-C 160-4	30	47	14	20	M10	20	M6
	49 - 77	179	<b>17 0000 7630</b>	GTZ-C 160-5	30	47	14	20	M10	20	M6
	76 - 104	180	<b>17 0000 7640</b>	GTZ-C 160-6	30	47	14	20	M10	20	M6
	101 - 130	188	<b>17 0000 7650</b>	GTZ-C 160-7	35	47	14	20	M10	20	M6
GHD-FC 165; GHDN 165	30 - 53	177	<b>17 0000 7620</b>	GTZ-C 160-4	30	47	14	20	M10	20	M6
	52 - 76	178	<b>17 0000 7630</b>	GTZ-C 160-5	30	47	14	20	M10	20	M6
	78 - 103	179	<b>17 0000 7640</b>	GTZ-C 160-6	30	47	14	20	M10	20	M6
	103 - 129	187	<b>17 0000 7650</b>	GTZ-C 160-7	35	47	14	20	M10	20	M6
HB-D 165	38 - 62	185	<b>17 0000 7620</b>	GTZ-C 160-4	30	47	14	20	M10	20	M6
	61 - 85	186	<b>17 0000 7630</b>	GTZ-C 160-5	30	47	14	20	M10	20	M6
	87 - 112	188	<b>17 0000 7640</b>	GTZ-C 160-6	30	47	14	20	M10	20	M6
	113 - 138	196	<b>17 0000 7650</b>	GTZ-C 160-7	35	47	14	20	M10	20	M6
HFK 160	37 - 62	178	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	56 - 81	181	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	78 - 103	181	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	96 - 122	184	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	118 - 144	204	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
HFKN-D 165-46	29 - 55	179	<b>17 0000 7620</b>	GTZ-C 160-4	30	47	14	20	M10	20	M6
	50 - 78	180	<b>17 0000 7630</b>	GTZ-C 160-5	30	47	14	20	M10	20	M6
	76 - 105	181	<b>17 0000 7640</b>	GTZ-C 160-6	30	47	14	20	M10	20	M6
	102 - 131	189	<b>17 0000 7650</b>	GTZ-C 160-7	35	47	14	20	M10	20	M6

**Krallenbacken Außenspannung**

Verzahnung 1/16" x 90°

Hard claw jaws for O.D. clamping

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
HFKS 160	37 – 62	178	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	56 – 81	181	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	78 – 103	181	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	96 – 122	184	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	118 – 144	204	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
KDV 160; KDVG 160	27 – 52	169	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	45 – 71	171	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	67 – 94	171	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	85 – 112	175	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	107 – 134	194	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
KFMF 160	38 – 63	179	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	57 – 82	182	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	79 – 104	182	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	97 – 123	185	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	119 – 145	205	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
KFV 160	27 – 54	171	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	44 – 73	173	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	66 – 96	173	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	84 – 114	177	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	106 – 136	196	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
NT-D 170	29 – 57	181	<b>17 0000 7620</b>	GTZ-C 160-4	30	47	14	20	M10	20	M6
	50 – 80	181	<b>17 0000 7630</b>	GTZ-C 160-5	30	47	14	20	M10	20	M6
	76 – 107	183	<b>17 0000 7640</b>	GTZ-C 160-6	30	47	14	20	M10	20	M6
	101 – 133	191	<b>17 0000 7650</b>	GTZ-C 160-7	35	47	14	20	M10	20	M6
PB-D 165; PBI-D 165	37 – 62	185	<b>17 0000 7620</b>	GTZ-C 160-4	30	47	14	20	M10	20	M6
	60 – 85	186	<b>17 0000 7630</b>	GTZ-C 160-5	30	47	14	20	M10	20	M6
	86 – 112	188	<b>17 0000 7640</b>	GTZ-C 160-6	30	47	14	20	M10	20	M6
	112 – 138	196	<b>17 0000 7650</b>	GTZ-C 160-7	35	47	14	20	M10	20	M6
SP 160-38	38 – 61	184	<b>17 0000 7620</b>	GTZ-C 160-4	30	47	14	20	M10	20	M6
	61 – 84	185	<b>17 0000 7630</b>	GTZ-C 160-5	30	47	14	20	M10	20	M6
	87 – 111	187	<b>17 0000 7640</b>	GTZ-C 160-6	30	47	14	20	M10	20	M6
	113 – 137	195	<b>17 0000 7650</b>	GTZ-C 160-7	35	47	14	20	M10	20	M6
STP 160	29 – 61	184	<b>17 0000 7620</b>	GTZ-C 160-4	30	47	14	20	M10	20	M6
	46 – 84	185	<b>17 0000 7630</b>	GTZ-C 160-5	30	47	14	20	M10	20	M6
	72 – 111	187	<b>17 0000 7640</b>	GTZ-C 160-6	30	47	14	20	M10	20	M6
	97 – 137	195	<b>17 0000 7650</b>	GTZ-C 160-7	35	47	14	20	M10	20	M6
<b>ab Ø 200mm / from Ø 200mm</b>											
AL-D 210	29 – 73	226	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	55 – 100	226	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	84 – 130	227	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	111 – 157	229	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	141 – 187	248	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
AN-D 210	29 – 65	218	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	55 – 92	218	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	84 – 122	219	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	111 – 149	221	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	141 – 179	240	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6

**Krallenbacken Außenspannung**

Verzahnung 1/16" x 90°

**Hard claw jaws for O.D. clamping**

Serration 1/16" x 90°

<b>Futtertyp/Chuck type</b>	<b>Durchmesser Clamping range</b>	<b>Durchlass Swing diameter</b>	<b>Index/Id.-No</b>	<b>Typ Type</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>Schrauben Screws</b>	<b>P</b>	<b>R</b>
AP-D 215	29 - 71	224	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	55 - 98	224	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	84 - 128	225	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	111 - 155	227	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	141 - 185	246	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
APL-D 215	29 - 79	233	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	56 - 107	233	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	85 - 137	233	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	112 - 164	235	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	142 - 194	255	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
BB-D 210	33 - 67	220	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	60 - 94	220	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	89 - 124	221	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	116 - 151	223	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	146 - 181	242	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
BH-D 210; BHD-FC 210	29 - 66	219	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	46 - 93	219	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	75 - 123	220	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	101 - 150	222	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	131 - 180	241	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
BP-D 220	29 - 73	226	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	47 - 100	226	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	75 - 130	227	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	102 - 157	229	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	132 - 187	248	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
GHD-FC 210; GHDN 210	31 - 73	226	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	58 - 100	226	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	87 - 130	227	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	114 - 157	229	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	144 - 187	248	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
HB-D 210	38 - 75	228	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	65 - 102	228	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	95 - 132	229	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	122 - 159	230	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	152 - 189	250	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
HFK 200	35 - 69	222	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	62 - 96	222	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	91 - 126	223	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	118 - 153	225	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	148 - 183	244	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
HFKN-D 210-52	29 - 78	232	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	47 - 106	232	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	76 - 136	232	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	102 - 163	234	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	132 - 193	254	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6

# Krallenbacken Außenspannung

Hard claw jaws for O.D. clamping

Verzahnung 1/16" x 90°

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
HFKS 200	35 – 69	222	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	62 – 96	222	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	91 – 126	223	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	118 – 153	225	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	148 – 183	244	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
KDV 200; KDVG 200	29 – 60	213	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	48 – 88	213	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	77 – 117	214	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	103 – 144	216	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	133 – 174	235	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
KFMF 200	29 – 65	218	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	53 – 92	218	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	82 – 122	219	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	109 – 149	221	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	139 – 179	240	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
KFV 200	29 – 62	215	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	50 – 89	215	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	78 – 119	216	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	105 – 146	218	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	135 – 176	237	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
NT-D 215	29 – 71	224	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	55 – 98	224	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	84 – 128	225	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	111 – 155	227	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	141 – 185	246	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
PB-D 210; PBI-D 210	37 – 75	228	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	65 – 102	228	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	94 – 132	229	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	121 – 159	230	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	151 – 189	250	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
SP 240-78	56 – 97	250	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	84 – 125	250	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	114 – 154	251	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	141 – 181	253	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	171 – 212	273	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
STP 240	59 – 100	253	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	87 – 127	253	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	116 – 157	254	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	144 – 184	256	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	174 – 215	276	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
<b>ab Ø 250mm / from Ø 250mm</b>											
AL-D 250	47 – 101	271	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	86 – 141	271	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	136 – 190	275	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	182 – 237	309	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8

**Krallenbacken Außenspannung**

**Hard claw jaws for O.D. clamping**

Verzahnung 1/16" x 90°

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
AN-D 250	47 - 91	261	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	86 - 131	261	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	136 - 181	265	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	182 - 228	300	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
AP-D 260 <sup>7)</sup>	35 - 109	267	<b>17 0000 7710</b>	GTZ-C 250-5	35	55	17	22	M12	25	M6
	65 - 140	267	<b>17 0000 7720</b>	GTZ-C 250-6	35	55	17	22	M12	25	M6
	122 - 199	269	<b>17 0000 7730</b>	GTZ-C 250-7	40	55	17	22	M12	25	M6
	157 - 234	299	<b>17 0000 7740</b>	GTZ-C 250-8	40	55	17	22	M12	25	M6
APL-D 260 <sup>7)</sup>	33 - 119	277	<b>17 0000 7710</b>	GTZ-C 250-5	35	55	17	22	M12	25	M6
	60 - 150	277	<b>17 0000 7720</b>	GTZ-C 250-6	35	55	17	22	M12	25	M6
	117 - 209	279	<b>17 0000 7730</b>	GTZ-C 250-7	40	55	17	22	M12	25	M6
	152 - 244	309	<b>17 0000 7740</b>	GTZ-C 250-8	40	55	17	22	M12	25	M6
BB-D 250	56 - 91	261	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	96 - 131	261	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	145 - 181	265	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	192 - 228	300	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
BH-D 250; BHD-FC 250	46 - 90	260	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	85 - 130	260	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	135 - 180	264	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	181 - 227	299	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
BP-D 260 <sup>7)</sup>	40 - 105	263	<b>17 0000 7710</b>	GTZ-C 250-5	35	55	17	22	M12	25	M6
	70 - 136	263	<b>17 0000 7720</b>	GTZ-C 250-6	35	55	17	22	M12	25	M6
	128 - 195	265	<b>17 0000 7730</b>	GTZ-C 250-7	40	55	17	22	M12	25	M6
	163 - 230	295	<b>17 0000 7740</b>	GTZ-C 250-8	40	55	17	22	M12	25	M6
GHD-FC 250; GHDN 250	47 - 95	265	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	86 - 135	265	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	136 - 185	269	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	182 - 232	303	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
HB-D 250	59 - 103	273	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	99 - 143	273	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	148 - 192	277	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	195 - 239	311	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
HFK 250	47 - 95	265	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	86 - 135	265	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	136 - 185	269	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	182 - 232	303	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
HFKN-D 260-72	45 - 106	276	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	84 - 146	276	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	134 - 195	280	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	180 - 242	314	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
HFKS 250	47 - 95	265	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	86 - 135	265	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	136 - 185	269	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	182 - 232	303	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
KDV 250; KDVG 250	33 - 104	262	<b>17 0000 7710</b>	GTZ-C 250-5	35	55	17	22	M12	25	M6
	56 - 135	262	<b>17 0000 7720</b>	GTZ-C 250-6	35	55	17	22	M12	25	M6
	112 - 194	264	<b>17 0000 7730</b>	GTZ-C 250-7	40	55	17	22	M12	25	M6
	147 - 229	294	<b>17 0000 7740</b>	GTZ-C 250-8	40	55	17	22	M12	25	M6

**Krallenbacken Außenspannung**

Verzahnung 1/16" x 90°

Hard claw jaws for O.D. clamping

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
KFMF 250	43 – 98	268	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	82 – 138	268	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	131 – 187	272	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	177 – 235	306	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
KFV 250	42 – 92	262	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	81 – 132	262	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	130 – 182	266	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	176 – 229	301	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
NT-D 260 <sup>7)</sup>	35 – 109	267	<b>17 0000 7710</b>	GTZ-C 250-5	35	55	17	22	M12	25	M6
	65 – 140	267	<b>17 0000 7720</b>	GTZ-C 250-6	35	55	17	22	M12	25	M6
	122 – 199	269	<b>17 0000 7730</b>	GTZ-C 250-7	40	55	17	22	M12	25	M6
	157 – 234	299	<b>17 0000 7740</b>	GTZ-C 250-8	40	55	17	22	M12	25	M6
NTL-D 260 <sup>7)</sup>	36 – 119	277	<b>17 0000 7710</b>	GTZ-C 250-5	35	55	17	22	M12	25	M6
	67 – 150	277	<b>17 0000 7720</b>	GTZ-C 250-6	35	55	17	22	M12	25	M6
	124 – 209	279	<b>17 0000 7730</b>	GTZ-C 250-7	40	55	17	22	M12	25	M6
	159 – 244	309	<b>17 0000 7740</b>	GTZ-C 250-8	40	55	17	22	M12	25	M6
PB-D 250; PBI-D 250	58 – 103	273	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	98 – 143	273	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	147 – 192	277	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	194 – 239	311	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
SP 280-92; STP 280	77 – 127	297	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	117 – 166	297	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	167 – 216	301	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	214 – 263	335	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
<b>ab Ø 315mm / from Ø 315mm</b>											
AL-D 315	44 – 139	341	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	96 – 197	342	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	160 – 263	342	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	224 – 327	402	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
AN-D 315	44 – 128	329	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	95 – 185	330	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	159 – 251	330	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	223 – 315	390	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
AP-D 315	44 – 127	328	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	94 – 184	329	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	158 – 250	329	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	222 – 314	389	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
APL-D 315	44 – 138	340	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	87 – 196	341	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	151 – 262	341	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	215 – 326	401	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
BB-D 315	81 – 127	328	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	139 – 184	329	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	204 – 250	329	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	268 – 314	389	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8

# Krallenbacken Außenspannung

Verzahnung 1/16" x 90°

## Hard claw jaws for O.D. clamping

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
BH-D 315; BHD-FC 315	51 – 128	329	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	109 – 185	330	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	174 – 251	330	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	238 – 315	390	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
BP-D 320	51 – 130	331	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	109 – 187	332	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	174 – 253	332	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	238 – 317	392	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
HB-D 315	44 – 135	337	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	98 – 193	338	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	163 – 259	338	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	227 – 323	398	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
HFK 315	44 – 136	338	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	100 – 194	339	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	165 – 260	339	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	229 – 324	399	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
HFKN-D 315-91	59 – 137	339	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	117 – 195	340	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	181 – 261	340	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	246 – 325	400	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
HFKS 315	44 – 136	338	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	100 – 194	339	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	165 – 260	339	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	229 – 324	399	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
KDV 315; KDVG 315	44 – 130	332	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	72 – 188	333	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	135 – 254	333	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	199 – 318	393	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
KFMF 315	44 – 136	338	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	102 – 194	339	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	167 – 260	339	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	231 – 324	399	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
KFV 315	44 – 132	334	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	87 – 190	335	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	151 – 256	335	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	215 – 320	395	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
NT-D 315	44 – 127	328	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	94 – 184	329	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	158 – 250	329	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	222 – 314	389	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
NTL-D 315	44 – 139	341	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	89 – 196	342	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	153 – 262	342	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	217 – 326	401	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8

# Krallenbacken Außenspannung

Hard claw jaws for O.D. clamping

Verzahnung 1/16" x 90°

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
PB-D 315; PBI-D 315	45 – 135	337	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	103 – 193	338	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	167 – 259	338	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	231 – 323	398	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
SP 350-115	76 – 167	369	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	134 – 224	370	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	199 – 291	370	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	263 – 354	429	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
SP 350-115 ES	86 – 177	379	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	144 – 234	380	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	209 – 300	380	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	273 – 364	439	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
SP-L 350-90	92 – 221	423	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	150 – 278	424	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	215 – 344	424	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	279 – 408	483	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
<b>ab Ø 400mm / from Ø 400mm</b>											
KDV 400; KDVG 400	44 – 214	416	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	71 – 271	417	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	133 – 337	417	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	197 – 401	476	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Krallenbacken Außenspannung

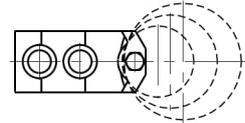
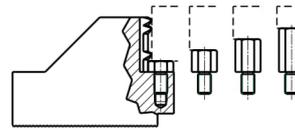
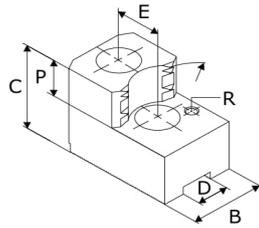
## Hard claw jaws for O.D. clamping

Verzahnung 3/32" x 90°

Serration 3/32" x 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 400mm/from Ø 400mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
AL-D 400	63 – 152	441	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	150 – 252	441	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	233 – 336	458	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	304 – 407	501	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
AN-D 400	76 – 165	429	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	150 – 240	429	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	233 – 324	446	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	304 – 395	489	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
AP-D 400 <sup>7)</sup>	59 – 153	417	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	133 – 228	417	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	215 – 313	434	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	286 – 383	477	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
APL-D 400 <sup>7)</sup>	63 – 143	431	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	126 – 242	431	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	209 – 326	448	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	279 – 397	491	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BB-N 400-140	81 – 182	471	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	179 – 282	471	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	263 – 366	488	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	334 – 437	531	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BB-N 470-191	137 – 239	529	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	236 – 339	529	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	321 – 423	546	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	392 – 495	589	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BB-N ES 400-140	95 – 206	495	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	193 – 306	495	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	277 – 390	512	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	348 – 461	555	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BB-N ES 470-191	119 – 221	511	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	218 – 321	511	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	303 – 406	528	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	374 – 477	571	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BH-D 400	75 – 155	419	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	149 – 230	419	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	232 – 315	436	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	303 – 385	479	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BH-D 450	63 – 190	479	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	149 – 290	479	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	232 – 374	496	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	303 – 445	539	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8

**Krallenbacken Außenspannung**

Verzahnung 3/32" x 90°

Hard claw jaws for O.D. clamping

Serration 3/32" x 90°

Futtertyp/chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
BHD-FC 400	75 – 155	419	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	149 – 230	419	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	232 – 315	436	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	303 – 385	479	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
HFK 400	74 – 175	439	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	148 – 250	439	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	231 – 334	456	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	302 – 405	499	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
HFKN-D 400-128	63 – 150	438	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	144 – 249	438	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	227 – 333	455	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	298 – 404	498	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
HFKS 400	74 – 175	439	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	148 – 250	439	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	231 – 334	456	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	302 – 405	499	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
KFV 400	54 – 166	430	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	126 – 241	430	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	208 – 325	447	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	279 – 396	490	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
NT-D 400 <sup>7)</sup>	59 – 153	417	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	133 – 228	417	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	215 – 313	434	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	286 – 383	477	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
NTL-D 400 <sup>7)</sup>	55 – 167	431	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	129 – 242	431	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	211 – 326	448	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	282 – 397	491	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
<b>ab Ø 500mm / from Ø 500mm</b>											
APL-D 500 <sup>7)</sup>	63 – 251	541	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	149 – 351	541	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	233 – 435	558	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	303 – 507	601	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BB-AZ-ES 590-220	185 – 317	607	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	285 – 417	607	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	370 – 501	624	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	440 – 572	667	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	520 – 652	752	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
BB-N 500-205	161 – 301	591	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	261 – 401	591	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	346 – 485	608	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	416 – 556	651	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BB-N 500-230	181 – 321	611	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	281 – 421	611	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	366 – 505	628	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	436 – 576	671	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8

# Krallenbacken Außenspannung

## Hard claw jaws for O.D. clamping

**Verzahnung 3/32" x 90°**
**Serration 3/32" x 90°**

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
BB-N ES 500-205	185 – 329	619	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	285 – 429	619	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	370 – 513	636	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	441 – 585	679	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BB-N ES 500-230	209 – 327	617	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	309 – 427	617	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	394 – 511	634	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	464 – 583	677	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BB-N-EXL2G 510-191	175 – 279	569	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	275 – 379	569	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	360 – 463	586	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	430 – 535	629	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BH-D 500	112 – 254	544	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	211 – 354	544	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	295 – 438	561	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	366 – 510	604	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BHD-FC 500	87 – 249	539	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	185 – 349	539	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	269 – 433	556	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	340 – 505	599	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
HFK 500	92 – 244	534	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	190 – 344	534	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	274 – 428	551	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	345 – 500	594	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
HFKN-D 500-155	73 – 248	538	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	170 – 348	538	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	254 – 432	555	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	325 – 504	598	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
HFKS 500	92 – 244	534	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	190 – 344	534	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	274 – 428	551	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	345 – 500	594	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
IL-D 500	87 – 279	569	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	185 – 379	569	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	269 – 463	586	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	340 – 535	629	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
IN-D 500	92 – 275	565	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	190 – 375	565	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	274 – 459	582	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	345 – 531	625	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
KDV 500; KDVG 500	63 – 236	526	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	103 – 336	526	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	185 – 421	543	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	255 – 492	586	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
KFV 500	63 – 240	530	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	126 – 340	530	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	208 – 424	547	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	279 – 496	590	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8

**Krallenbacken Außenspannung**

Verzahnung 3/32" x 90°

Hard claw jaws for O.D. clamping

Serration 3/32" x 90°

Futtertyp/Chuck type ab Ø 600mm/from Ø 600mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
APL-D 630 <sup>7)</sup>	63 – 380	671	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	149 – 481	671	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	233 – 565	688	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	303 – 636	731	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BB-N 600-275	223 – 348	638	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	323 – 448	638	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	409 – 532	655	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	479 – 603	698	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BB-N ES 600-275	254 – 349	639	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	354 – 449	639	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	440 – 533	656	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	511 – 604	699	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BB-N-EXL2G 660-280	288 – 438	729	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	388 – 539	729	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	473 – 623	746	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	544 – 694	789	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BH-D 630	206 – 367	657	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	306 – 467	657	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	391 – 551	674	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	461 – 622	717	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BHD-FC 630	129 – 369	659	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	228 – 469	659	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	313 – 553	676	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	384 – 624	719	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
IL-D 630	85 – 390	681	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	183 – 491	681	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	267 – 575	698	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	338 – 646	741	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
IN-D 630	89 – 384	675	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	187 – 485	675	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	271 – 569	692	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	342 – 640	735	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
<b>ab Ø 800mm / from Ø 800mm</b>											
APL-D 800 <sup>7)</sup>	63 – 550	841	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	149 – 650	841	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	233 – 734	858	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	303 – 806	901	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BH-D 800	206 – 536	827	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	306 – 636	827	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	391 – 720	844	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	461 – 792	887	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
IL-D 800	85 – 564	855	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	183 – 664	855	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	267 – 748	872	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	338 – 820	915	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
IN-D 800	89 – 558	849	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	187 – 658	849	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	271 – 742	866	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	342 – 814	909	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Krallenbacken Außenspannung

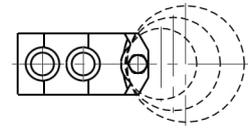
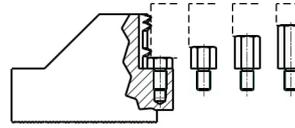
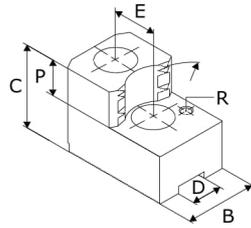
## Hard claw jaws for O.D. clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 165mm/from Ø165mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
AL-M 165	28 - 65	189	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	42 - 80	189	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	58 - 97	190	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	72 - 110	190	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	88 - 127	189	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	114 - 153	214	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
AN-M 165	28 - 59	183	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	43 - 75	183	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	59 - 91	184	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	73 - 105	184	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	89 - 121	183	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	114 - 147	209	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
AP-M 170	29 - 66	190	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	44 - 81	190	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	60 - 98	191	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	74 - 111	191	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	90 - 128	190	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	115 - 154	215	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
BB-M 175	38 - 70	195	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	53 - 86	195	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	69 - 103	196	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	83 - 116	196	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	99 - 132	195	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	125 - 159	220	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
BH-M 165	30 - 62	186	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	44 - 78	186	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	60 - 94	187	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	74 - 107	187	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	90 - 124	186	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	116 - 150	211	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
BHM-FC 165	29 - 63	187	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	43 - 79	187	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	59 - 95	188	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	73 - 108	188	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	89 - 125	187	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	115 - 151	212	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6

# Krallenbacken Außenspannung

Hard claw jaws for O.D. clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
HFKN-M 165-46	30 – 57	181	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	45 – 73	181	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	61 – 89	182	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	75 – 103	182	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	91 – 119	181	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	116 – 145	207	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
NT-M 170	29 – 66	190	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	44 – 81	190	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	60 – 98	191	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	74 – 111	191	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	90 – 128	190	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	115 – 154	215	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
<b>ab Ø 210mm / from Ø 210mm</b>											
AL-M 210	35 – 78	228	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	62 – 106	228	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	93 – 136	229	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	123 – 167	230	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	144 – 189	248	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	181 – 226	286	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
AN-M 210	36 – 70	220	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	62 – 98	220	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	93 – 128	221	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	123 – 159	223	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	145 – 181	240	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	181 – 218	278	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
AP-M 215	35 – 76	226	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	62 – 104	226	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	92 – 134	227	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	122 – 165	229	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	144 – 187	246	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	181 – 224	284	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
APL-M 215	36 – 85	235	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	63 – 113	235	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	94 – 143	235	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	124 – 174	237	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	145 – 196	255	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	182 – 233	293	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
BB-M 210	40 – 72	222	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	67 – 100	222	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	97 – 130	223	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	128 – 161	225	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	149 – 183	242	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	186 – 220	280	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6

**Krallenbacken Außenspannung**

Verzahnung 1,5mm x 60°

Hard claw jaws for O.D. clamping

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
BH-M 210; BHM-FC 210	30 - 71	221	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	53 - 99	221	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	83 - 129	222	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	113 - 160	224	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	135 - 182	241	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	171 - 219	279	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
BP-M 220	30 - 78	228	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	53 - 106	228	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	84 - 136	229	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	113 - 167	230	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	135 - 189	248	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	172 - 226	286	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
HFKN-M 210-52	30 - 80	230	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	54 - 108	230	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	84 - 138	230	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	114 - 169	232	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	136 - 191	250	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	172 - 228	288	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
NT-M 215	35 - 76	226	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	62 - 104	226	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	92 - 134	227	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	122 - 165	229	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	144 - 187	246	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	181 - 224	284	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
<b>ab Ø 250mm / from Ø 250mm</b>											
AL-M 250	42 - 92	270	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	83 - 134	270	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	127 - 178	274	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	172 - 224	289	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	207 - 259	321	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
AN-M 250	42 - 82	260	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	83 - 124	260	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	127 - 168	264	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	172 - 214	279	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	207 - 249	311	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
AP-M 260	36 - 92	270	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	74 - 134	270	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	117 - 178	274	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	162 - 224	289	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	197 - 259	321	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
APL-M 260	36 - 102	280	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	69 - 144	280	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	112 - 188	284	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	157 - 234	299	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	192 - 269	331	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6

**Krallenbacken Außenspannung**

Verzahnung 1,5mm x 60°

Hard claw jaws for O.D. clamping

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
BB-M 250	51 – 82	260	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	93 – 124	260	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	137 – 168	264	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	182 – 214	279	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	217 – 249	311	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
BH-M 250; BHM-FC 250	41 – 81	259	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	82 – 123	259	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	126 – 167	263	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	171 – 213	278	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	206 – 248	310	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
BP-M 260	39 – 88	266	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	79 – 130	266	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	123 – 174	270	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	168 – 220	285	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	203 – 255	317	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
HFKN-M 260-72	41 – 97	275	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	82 – 139	275	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	126 – 183	279	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	171 – 229	294	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	206 – 264	326	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
NT-M 260	36 – 92	270	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	74 – 134	270	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	117 – 178	274	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	162 – 224	289	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	197 – 259	321	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
NTL-M 260	36 – 102	280	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	76 – 144	280	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	119 – 188	284	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	164 – 234	299	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	199 – 269	331	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
<b>ab Ø 315mm / from Ø 315mm</b>											
AL-M 315	41 – 138	342	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	100 – 197	342	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	166 – 264	356	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	229 – 329	400	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
AN-M 315	41 – 126	330	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	99 – 185	330	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	165 – 252	344	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	229 – 317	388	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
AP-M 315	41 – 125	329	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	98 – 185	329	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	164 – 251	343	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	228 – 316	387	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
APL-M 315	41 – 137	341	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	91 – 196	341	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	157 – 263	355	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	220 – 328	399	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8

**Krallenbacken Außenspannung**

Verzahnung 1,5mm x 60°

**Hard claw jaws for O.D. clamping**

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
BB-M 315	83 – 125	329	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	143 – 185	329	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	210 – 251	343	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	274 – 316	387	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
BH-M 315; BHM-FC 315	53 – 126	330	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	113 – 185	330	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	179 – 252	344	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	243 – 317	388	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
BP-M 320	53 – 128	332	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	113 – 187	332	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	179 – 254	346	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	243 – 319	390	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
HFKN-M 315-91	63 – 137	341	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	123 – 196	341	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	189 – 263	355	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	253 – 328	399	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
NT-M 315	41 – 125	329	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	98 – 185	329	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	164 – 251	343	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	228 – 316	387	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
NTL-M 315	41 – 137	342	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	93 – 197	342	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	159 – 264	355	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	222 – 328	399	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
<b>ab Ø 400mm / from Ø 400mm</b>											
AL-M 400	55 – 144	428	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	112 – 202	434	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	172 – 262	434	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	232 – 323	454	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	292 – 383	471	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	352 – 443	523	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8
AN-M 400	55 – 132	416	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	112 – 190	422	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	172 – 250	422	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	232 – 311	442	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	292 – 372	459	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	352 – 431	511	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8
AP-M 400 <sup>7)</sup>	41 – 121	405	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	95 – 178	410	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	154 – 238	410	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	215 – 299	430	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	274 – 360	447	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	334 – 420	499	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8

# Krallenbacken Außenspannung

Verzahnung 1,5mm x 60°

Hard claw jaws for O.D. clamping

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
APL-M 400 <sup>7)</sup>	41 – 134	418	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	88 – 192	424	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	148 – 252	424	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	208 – 313	444	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	268 – 374	461	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	327 – 433	513	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8
BH-M 400	55 – 122	407	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	111 – 180	412	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	171 – 240	412	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	231 – 301	432	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	291 – 362	449	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	351 – 422	501	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8
BH-M 450	55 – 182	466	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	111 – 239	472	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	171 – 299	472	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	231 – 361	492	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	291 – 421	509	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	351 – 481	561	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8
BHM-FC 400 <sup>7)</sup>	55 – 122	407	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	111 – 180	412	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	171 – 240	412	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	231 – 301	432	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	291 – 362	449	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	351 – 422	501	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8
NT-M 400 <sup>7)</sup>	41 – 121	405	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	95 – 178	410	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	154 – 238	410	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	215 – 299	430	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	274 – 360	447	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	334 – 420	499	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8
NTL-M 400 <sup>7)</sup>	41 – 134	418	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	91 – 192	424	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	150 – 252	424	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	211 – 313	444	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	270 – 374	461	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	330 – 433	513	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Krallenbacken Innenspannung

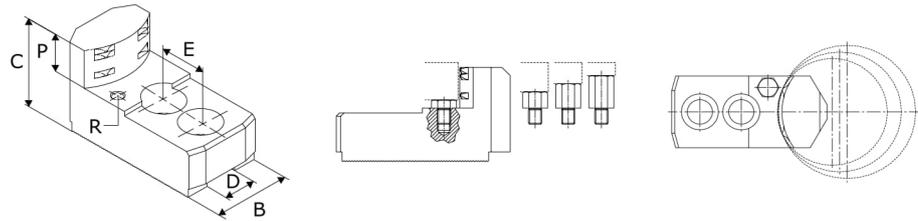
Hard claw jaws for I.D. clamping

Verzahnung 1/16" x 90°

Serration 1/16" x 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 160mm/from Ø160mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
AL-D 165	47 - 69	180	<b>17 0000 8020</b>	GTW-C 160-4	35	47	14	20	M10	20	M6
	61 - 87	180	<b>17 0000 8030</b>	GTW-C 160-5	40	47	14	20	M10	20	M6
	80 - 109	182	<b>17 0000 8040</b>	GTW-C 160-6	40	47	14	20	M10	20	M6
	97 - 129	184	<b>17 0000 8050</b>	GTW-C 160-7	40	47	14	20	M10	20	M6
AN-D 165	47 - 64	175	<b>17 0000 8020</b>	GTW-C 160-4	35	47	14	20	M10	20	M6
	61 - 81	175	<b>17 0000 8030</b>	GTW-C 160-5	40	47	14	20	M10	20	M6
	80 - 104	176	<b>17 0000 8040</b>	GTW-C 160-6	40	47	14	20	M10	20	M6
	98 - 123	178	<b>17 0000 8050</b>	GTW-C 160-7	40	47	14	20	M10	20	M6
AP-D 170	47 - 70	181	<b>17 0000 8020</b>	GTW-C 160-4	35	47	14	20	M10	20	M6
	61 - 88	181	<b>17 0000 8030</b>	GTW-C 160-5	40	47	14	20	M10	20	M6
	80 - 110	183	<b>17 0000 8040</b>	GTW-C 160-6	40	47	14	20	M10	20	M6
	99 - 129	185	<b>17 0000 8050</b>	GTW-C 160-7	40	47	14	20	M10	20	M6
BB-D 175	49 - 75	186	<b>17 0000 8020</b>	GTW-C 160-4	35	47	14	20	M10	20	M6
	67 - 93	186	<b>17 0000 8030</b>	GTW-C 160-5	40	47	14	20	M10	20	M6
	89 - 115	188	<b>17 0000 8040</b>	GTW-C 160-6	40	47	14	20	M10	20	M6
	108 - 134	190	<b>17 0000 8050</b>	GTW-C 160-7	40	47	14	20	M10	20	M6
BH-D 165	47 - 67	177	<b>17 0000 8020</b>	GTW-C 160-4	35	47	14	20	M10	20	M6
	61 - 84	178	<b>17 0000 8030</b>	GTW-C 160-5	40	47	14	20	M10	20	M6
	81 - 106	179	<b>17 0000 8040</b>	GTW-C 160-6	40	47	14	20	M10	20	M6
	99 - 126	181	<b>17 0000 8050</b>	GTW-C 160-7	40	47	14	20	M10	20	M6
BHD-FC 165	47 - 68	178	<b>17 0000 8020</b>	GTW-C 160-4	35	47	14	20	M10	20	M6
	61 - 85	179	<b>17 0000 8030</b>	GTW-C 160-5	40	47	14	20	M10	20	M6
	80 - 107	180	<b>17 0000 8040</b>	GTW-C 160-6	40	47	14	20	M10	20	M6
	98 - 127	182	<b>17 0000 8050</b>	GTW-C 160-7	40	47	14	20	M10	20	M6
GHD-FC 165; GHDN 165	47 - 67	177	<b>17 0000 8020</b>	GTW-C 160-4	35	47	14	20	M10	20	M6
	61 - 84	178	<b>17 0000 8030</b>	GTW-C 160-5	40	47	14	20	M10	20	M6
	82 - 106	179	<b>17 0000 8040</b>	GTW-C 160-6	40	47	14	20	M10	20	M6
	101 - 126	181	<b>17 0000 8050</b>	GTW-C 160-7	40	47	14	20	M10	20	M6
HB-D 165	51 - 75	186	<b>17 0000 8020</b>	GTW-C 160-4	35	47	14	20	M10	20	M6
	69 - 93	186	<b>17 0000 8030</b>	GTW-C 160-5	40	47	14	20	M10	20	M6
	91 - 115	188	<b>17 0000 8040</b>	GTW-C 160-6	40	47	14	20	M10	20	M6
	110 - 134	190	<b>17 0000 8050</b>	GTW-C 160-7	40	47	14	20	M10	20	M6
HFK 160	55 - 80	177	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	68 - 92	179	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	88 - 112	180	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	107 - 132	182	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
HFKN-D 165-46	47 - 68	179	<b>17 0000 8020</b>	GTW-C 160-4	35	47	14	20	M10	20	M6
	61 - 86	180	<b>17 0000 8030</b>	GTW-C 160-5	40	47	14	20	M10	20	M6
	80 - 108	181	<b>17 0000 8040</b>	GTW-C 160-6	40	47	14	20	M10	20	M6
	99 - 128	183	<b>17 0000 8050</b>	GTW-C 160-7	40	47	14	20	M10	20	M6

**Krallenbacken Innenspannung**
**Verzahnung 1/16" x 90°**
**Hard claw jaws for I.D. clamping**
**Serration 1/16" x 90°**

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
HFKS 160	55 – 80	177	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	68 – 92	179	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	88 – 112	180	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	107 – 132	182	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
KDV 160; KDVG 160	52 – 70	168	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 – 82	169	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	83 – 103	170	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	96 – 123	173	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
KFMF 160	56 – 81	178	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	69 – 93	180	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	88 – 113	180	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	108 – 133	183	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
KFV 160	52 – 72	170	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 – 84	171	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	83 – 104	172	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	95 – 125	175	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
NT-D 170	47 – 70	181	<b>17 0000 8020</b>	GTW-C 160-4	35	47	14	20	M10	20	M6
	61 – 88	181	<b>17 0000 8030</b>	GTW-C 160-5	40	47	14	20	M10	20	M6
	80 – 110	183	<b>17 0000 8040</b>	GTW-C 160-6	40	47	14	20	M10	20	M6
	99 – 129	185	<b>17 0000 8050</b>	GTW-C 160-7	40	47	14	20	M10	20	M6
PB-D 165; PBI-D 165	50 – 75	186	<b>17 0000 8020</b>	GTW-C 160-4	35	47	14	20	M10	20	M6
	68 – 93	186	<b>17 0000 8030</b>	GTW-C 160-5	40	47	14	20	M10	20	M6
	90 – 115	188	<b>17 0000 8040</b>	GTW-C 160-6	40	47	14	20	M10	20	M6
	109 – 134	190	<b>17 0000 8050</b>	GTW-C 160-7	40	47	14	20	M10	20	M6
SP 160-38	51 – 74	185	<b>17 0000 8020</b>	GTW-C 160-4	35	47	14	20	M10	20	M6
	69 – 92	185	<b>17 0000 8030</b>	GTW-C 160-5	40	47	14	20	M10	20	M6
	91 – 114	187	<b>17 0000 8040</b>	GTW-C 160-6	40	47	14	20	M10	20	M6
	110 – 133	189	<b>17 0000 8050</b>	GTW-C 160-7	40	47	14	20	M10	20	M6
STP 160	47 – 74	185	<b>17 0000 8020</b>	GTW-C 160-4	35	47	14	20	M10	20	M6
	61 – 92	185	<b>17 0000 8030</b>	GTW-C 160-5	40	47	14	20	M10	20	M6
	80 – 114	187	<b>17 0000 8040</b>	GTW-C 160-6	40	47	14	20	M10	20	M6
	95 – 133	189	<b>17 0000 8050</b>	GTW-C 160-7	40	47	14	20	M10	20	M6
<b>ab Ø 200mm / from Ø 200mm</b>											
AL-D 210	62 – 108	224	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	91 – 136	224	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	122 – 168	224	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
AN-D 210	63 – 100	216	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	91 – 129	216	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	122 – 160	216	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
AP-D 215	62 – 106	222	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	91 – 134	222	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	122 – 166	222	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
APL-D 215	63 – 115	231	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	92 – 143	231	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	123 – 175	231	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6

# Krallenbacken Innenspannung

Verzahnung 1/16" x 90°

Hard claw jaws for I.D. clamping

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
BB-D 210	67 – 102	218	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	96 – 130	218	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	127 – 162	218	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
BH-D 210; BHD-FC 210	58 – 101	217	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	81 – 130	217	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	113 – 161	217	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
BP-D 220	58 – 108	224	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	82 – 136	224	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	113 – 168	224	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
GHD-FC 210; GHDN 210	65 – 108	224	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	94 – 136	224	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	125 – 168	224	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
HB-D 210	73 – 110	226	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	101 – 138	226	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	133 – 170	226	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
HFK 200	69 – 104	220	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	97 – 132	220	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	129 – 164	220	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
HFKN-D 210-52	58 – 114	230	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	82 – 142	230	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	114 – 174	230	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
HFKS 200	69 – 104	220	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	97 – 132	220	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	129 – 164	220	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
KDV 200; KDVG 200	58 – 95	211	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	83 – 124	211	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	115 – 155	211	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
KFMF 200	60 – 100	216	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	89 – 129	216	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	120 – 160	216	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
KFV 200	58 – 97	213	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	85 – 126	213	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	116 – 157	213	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
NT-D 215	62 – 106	222	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	91 – 134	222	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	122 – 166	222	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
PB-D 210; PBI-D 210	72 – 110	226	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	101 – 138	226	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	132 – 170	226	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
SP 240-78	92 – 132	248	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	120 – 161	249	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	152 – 193	249	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
STP 240	95 – 135	251	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	123 – 164	252	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	155 – 195	252	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6

# Krallenbacken Innenspannung

Verzahnung 1/16" x 90°

Hard claw jaws for I.D. clamping

Serration 1/16" x 90°

Futtertyp/Chuck type ab Ø 250mm/from Ø250mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
AL-D 250	76 – 129	277	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	117 – 171	277	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	161 – 216	271	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
AN-D 250	76 – 120	267	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	117 – 161	267	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	161 – 206	261	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
AP-D 260 <sup>7)</sup>	67 – 144	277	<b>17 0000 8160</b>	GTW-C 250-4	35	55	17	22	M12	25	M6
	92 – 168	266	<b>17 0000 8170</b>	GTW-C 250-5	40	55	17	22	M12	25	M6
	155 – 232	274	<b>17 0000 8180</b>	GTW-C 250-6	40	55	17	22	M12	25	M6
APL-D 260 <sup>7)</sup>	62 – 153	287	<b>17 0000 8160</b>	GTW-C 250-4	35	55	17	22	M12	25	M6
	87 – 178	276	<b>17 0000 8170</b>	GTW-C 250-5	40	55	17	22	M12	25	M6
	150 – 242	284	<b>17 0000 8180</b>	GTW-C 250-6	40	55	17	22	M12	25	M6
BB-D 250	85 – 120	267	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	126 – 161	267	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	171 – 206	261	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
BH-D 250; BHD-FC 250	76 – 119	266	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	116 – 160	266	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	160 – 205	260	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
BP-D 260 <sup>7)</sup>	73 – 140	273	<b>17 0000 8160</b>	GTW-C 250-4	35	55	17	22	M12	25	M6
	97 – 164	262	<b>17 0000 8170</b>	GTW-C 250-5	40	55	17	22	M12	25	M6
	161 – 228	270	<b>17 0000 8180</b>	GTW-C 250-6	40	55	17	22	M12	25	M6
GHD-FC 250; GHDN 250	76 – 123	271	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	117 – 165	271	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	161 – 210	265	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
HB-D 250	88 – 131	279	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	129 – 173	279	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	173 – 218	273	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
HFK 250	76 – 123	271	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	117 – 165	271	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	161 – 210	265	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
HFKN-D 260-72	76 – 134	282	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	115 – 175	282	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	159 – 221	276	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
HFKS 250	76 – 123	271	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	117 – 165	271	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	161 – 210	265	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
KDV 250; KDVG 250	58 – 139	272	<b>17 0000 8160</b>	GTW-C 250-4	35	55	17	22	M12	25	M6
	82 – 163	261	<b>17 0000 8170</b>	GTW-C 250-5	40	55	17	22	M12	25	M6
	145 – 227	269	<b>17 0000 8180</b>	GTW-C 250-6	40	55	17	22	M12	25	M6
KFMF 250	76 – 126	274	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	112 – 168	274	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	156 – 213	268	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
KFV 250	76 – 120	268	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	111 – 162	268	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	155 – 207	262	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8

**Krallenbacken Innenspannung**

**Verzahnung 1/16" x 90°**

**Hard claw jaws for I.D. clamping**

**Serration 1/16" x 90°**

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
NT-D 260 <sup>7)</sup>	67 – 144	277	<b>17 0000 8160</b>	GTW-C 250-4	35	55	17	22	M12	25	M6
	92 – 168	266	<b>17 0000 8170</b>	GTW-C 250-5	40	55	17	22	M12	25	M6
	155 – 232	274	<b>17 0000 8180</b>	GTW-C 250-6	40	55	17	22	M12	25	M6
NTL-D 260 <sup>7)</sup>	69 – 153	287	<b>17 0000 8160</b>	GTW-C 250-4	35	55	17	22	M12	25	M6
	94 – 178	276	<b>17 0000 8170</b>	GTW-C 250-5	40	55	17	22	M12	25	M6
	157 – 242	284	<b>17 0000 8180</b>	GTW-C 250-6	40	55	17	22	M12	25	M6
PB-D 250; PBI-D 250	87 – 131	279	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	128 – 173	279	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	173 – 218	273	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
SP 280-92; STP 280	106 – 155	302	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	147 – 196	302	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	192 – 242	297	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
<b>ab Ø 315mm / from Ø 315mm</b>											
AL-D 315	78 – 161	340	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 215	340	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	187 – 289	340	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
AN-D 315	78 – 149	328	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 203	328	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	186 – 277	328	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
AP-D 315	78 – 148	327	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 202	327	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	185 – 276	327	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
APL-D 315	78 – 160	339	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 214	339	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	178 – 288	339	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
BB-D 315	103 – 148	327	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	156 – 202	327	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	231 – 276	327	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
BH-D 315; BHD-FC 315	78 – 149	328	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	126 – 203	328	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	200 – 277	328	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
BP-D 320	78 – 151	330	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	126 – 205	330	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	200 – 279	330	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
HB-D 315	78 – 157	336	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 211	336	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	190 – 285	336	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
HFK 315	78 – 158	337	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 212	337	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	192 – 286	337	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
HFKN-D 315-91	82 – 159	338	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	134 – 213	338	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	208 – 287	338	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
HFKS 315	78 – 158	337	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 212	337	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	192 – 286	337	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8

**Krallenbacken Innenspannung**

**Verzahnung 1/16" x 90°**

**Hard claw jaws for I.D. clamping**

**Serration 1/16" x 90°**

<b>Futtertyp/Chuck type</b>	<b>Durchmesser Clamping range</b>	<b>Durchlass Swing diameter</b>	<b>Index/Id.-No</b>	<b>Typ Type</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>Schrauben Screws</b>	<b>P</b>	<b>R</b>
KDV 315; KDVG 315	78 – 152	331	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 206	331	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	170 – 280	331	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
KFMF 315	78 – 158	337	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 212	337	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	194 – 286	337	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
KfV 315	78 – 154	333	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 208	333	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	178 – 282	333	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
NT-D 315	78 – 148	327	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 202	327	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	185 – 276	327	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
NTL-D 315	78 – 160	340	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 214	340	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	180 – 288	340	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
PB-D 315; PBI-D 315	78 – 157	336	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 211	336	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	194 – 285	336	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
SP 350-115	99 – 188	368	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	152 – 242	368	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	226 – 317	368	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
SP-L 350-90	114 – 242	422	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	167 – 296	422	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	241 – 371	422	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
<b>ab Ø 400mm / from Ø 400mm</b>											
KDV 400; KDVG 400	78 – 235	415	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 289	415	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	170 – 364	415	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Krallenbacken Innenspannung

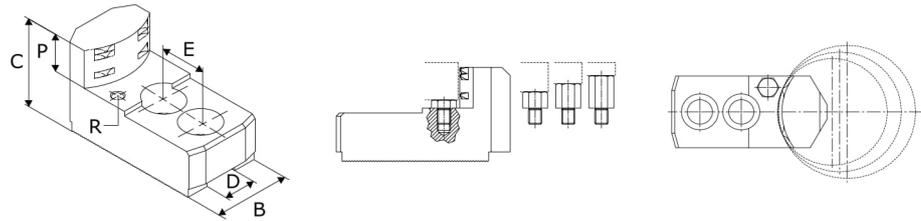
Hard claw jaws for I.D. clamping

Verzahnung 3/32" x 90°

Serration 3/32" x 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 400mm/from Ø400mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
AL-D 400	102 - 204	434	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	182 - 283	441	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	261 - 364	441	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	324 - 427	472	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
AN-D 400	102 - 192	422	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	182 - 271	429	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	261 - 352	429	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	324 - 415	460	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
AP-D 400 <sup>7)</sup>	98 - 180	410	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	165 - 259	417	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	243 - 340	417	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	306 - 403	448	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
APL-D 400 <sup>7)</sup>	98 - 194	424	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	158 - 273	431	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	237 - 354	431	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	299 - 417	462	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
BB-N 400-140	131 - 234	464	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	211 - 313	471	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	290 - 394	471	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	353 - 457	502	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
BB-N 470-191	186 - 288	529	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	267 - 371	529	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	347 - 451	529	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	411 - 515	560	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
BH-D 400	102 - 182	412	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	181 - 261	419	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	260 - 342	419	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	323 - 405	450	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
BH-D 450	102 - 242	472	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	181 - 321	479	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	260 - 402	479	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	323 - 465	510	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
BHD-FC 400	102 - 182	412	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	181 - 261	419	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	260 - 342	419	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	323 - 405	450	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
HFK 400	101 - 202	432	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	180 - 281	439	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	259 - 362	439	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	322 - 425	470	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8

**Krallenbacken Innenspannung**

**Verzahnung 3/32" x 90°**

**Hard claw jaws for I.D. clamping**

**Serration 3/32" x 90°**

<b>Futtertyp/Chuck type</b>	<b>Durchmesser Clamping range</b>	<b>Durchlass Swing diameter</b>	<b>Index/Id.-No</b>	<b>Typ Type</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>Schrauben Screws</b>	<b>P</b>	<b>R</b>
HFKN-D 400-128	98 – 201	431	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	176 – 280	438	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	255 – 361	438	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	318 – 424	469	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
HFKS 400	101 – 202	432	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	180 – 281	439	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	259 – 362	439	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	322 – 425	470	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KFV 400	98 – 193	423	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	158 – 272	430	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	236 – 353	430	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	299 – 416	461	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
NT-D 400 <sup>7)</sup>	98 – 180	410	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	165 – 259	417	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	243 – 340	417	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	306 – 403	448	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
NTL-D 400 <sup>7)</sup>	98 – 194	424	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	161 – 273	431	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	239 – 354	431	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	302 – 417	462	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
<b>ab Ø 500mm / from Ø 500mm</b>											
APL-D 500 <sup>7)</sup>	122 – 300	541	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	181 – 383	541	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	260 – 463	541	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	323 – 527	572	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
BB-N 500-205	211 – 350	591	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	292 – 432	591	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	372 – 513	591	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	436 – 577	622	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
BB-N 500-230	230 – 370	611	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	311 – 452	611	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	392 – 533	611	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	455 – 597	642	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
BH-D 500	161 – 303	544	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	242 – 386	544	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	322 – 466	544	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	385 – 530	575	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
BHD-FC 500	136 – 298	539	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	216 – 381	539	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	296 – 461	539	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	359 – 525	570	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
HFK 500	141 – 293	534	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	221 – 376	534	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	301 – 456	534	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	364 – 520	565	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8

# Krallenbacken Innenspannung

## Hard claw jaws for I.D. clamping

Verzahnung 3/32" x 90°

Serration 3/32" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
HFKN-D 500-155	122 - 297	538	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	202 - 380	538	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	281 - 460	538	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	344 - 524	569	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
HFKS 500	141 - 293	534	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	221 - 376	534	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	301 - 456	534	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	364 - 520	565	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
IL-D 500	136 - 328	569	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	216 - 410	569	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	296 - 491	569	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	359 - 555	600	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
IN-D 500	141 - 324	565	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	221 - 406	565	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	301 - 487	565	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	364 - 551	596	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KDV 500; KDVG 500	122 - 285	526	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	149 - 368	526	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	213 - 448	526	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	275 - 512	557	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KfV 500	122 - 289	530	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	158 - 372	530	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	236 - 452	530	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	299 - 516	561	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
<b>ab Ø 600mm / from Ø 600mm</b>											
APL-D 630 <sup>7)</sup>	122 - 429	671	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	181 - 512	671	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	260 - 593	671	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	323 - 656	702	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
BB-N 600-275	273 - 397	638	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	354 - 479	638	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	435 - 560	638	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	498 - 624	669	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
BH-D 630	255 - 415	657	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	336 - 498	657	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	417 - 579	657	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	480 - 642	688	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
BHD-FC 630	178 - 417	659	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	259 - 500	659	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	340 - 581	659	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	403 - 644	690	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
IL-D 630	134 - 439	681	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	215 - 522	681	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	294 - 603	681	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	357 - 666	712	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8

**Krallenbacken Innenspannung**

**Verzahnung 3/32" x 90°**

**Hard claw jaws for I.D. clamping**

**Serration 3/32" x 90°**

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
IN-D 630	138 – 433	675	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	218 – 516	675	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	298 – 597	675	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	361 – 660	706	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
<b>ab Ø 800mm / from Ø 800mm</b>											
APL-D 800 <sup>7)</sup>	122 – 599	841	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	181 – 682	841	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	260 – 763	841	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	323 – 826	872	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
BH-D 800	255 – 585	827	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	336 – 668	827	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	417 – 749	827	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	480 – 812	858	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
IL-D 800	134 – 613	855	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	215 – 696	855	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	294 – 777	855	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	357 – 840	886	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
IN-D 800	138 – 607	849	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	218 – 690	849	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	298 – 771	849	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	361 – 834	880	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Krallenbacken Innenspannung

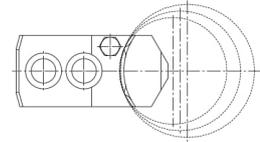
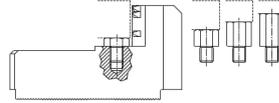
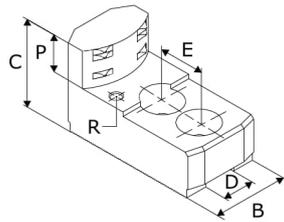
Hard claw jaws for I.D. clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 210mm/from Ø210mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	B	C	D	E	Schrauben Screws	P	R
AL-M 210	57 - 94	228	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	80 - 124	229	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	111 - 154	229	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	140 - 184	238	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
AN-M 210	57 - 86	220	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	81 - 116	221	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	111 - 147	221	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	140 - 176	230	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
AP-M 215	57 - 92	226	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	80 - 122	227	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	111 - 152	227	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	140 - 182	236	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
APL-M 215	57 - 101	235	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	81 - 131	235	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	112 - 161	235	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	141 - 191	245	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
BB-M 210	57 - 88	222	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	85 - 118	223	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	116 - 149	223	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	145 - 178	232	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
BH-M 210; BHM-FC 210	57 - 87	221	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	71 - 117	222	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	101 - 148	222	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	131 - 177	231	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
BP-M 220	57 - 94	228	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	71 - 124	229	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	102 - 154	229	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	131 - 184	238	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
HFKN-M 210-52	57 - 96	230	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	72 - 126	230	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	102 - 156	230	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	131 - 186	240	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
NT-M 215	57 - 92	226	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	80 - 122	227	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	111 - 152	227	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	140 - 182	236	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6

**Krallenbacken Innenspannung**

**Verzahnung 1,5mm x 60°**

**Hard claw jaws for I.D. clamping**

**Serration 1,5mm x 60°**

<b>Futtertyp/Chuck type</b> ab Ø 250mm/from Ø250mm	<b>Durchmesser</b> Clamping range	<b>Durchlass</b> Swing diameter	<b>Index/Id.-No</b>	<b>Typ</b> Type	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>Schrauben</b> Screws	<b>P</b>	<b>R</b>
AL-M 250	60 – 109	270	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	100 – 150	270	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	136 – 187	270	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	170 – 222	274	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
AN-M 250	60 – 100	260	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	100 – 140	260	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	136 – 178	260	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	170 – 212	264	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
AP-M 260	60 – 109	270	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	90 – 150	270	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	127 – 187	270	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	160 – 222	274	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
APL-M 260	60 – 119	280	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	89 – 160	280	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	122 – 197	280	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	155 – 231	284	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
BB-M 250	69 – 100	260	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	109 – 140	260	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	146 – 178	260	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	180 – 212	264	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
BH-M 250; BHM-FC 250	60 – 99	259	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	99 – 139	259	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	135 – 177	259	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	169 – 211	263	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
BP-M 260	60 – 106	266	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	96 – 146	266	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	133 – 183	266	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	166 – 218	270	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
HFKN-M 260-72	60 – 114	275	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	99 – 155	275	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	135 – 192	275	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	169 – 226	279	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
NT-M 260	60 – 109	270	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	90 – 150	270	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	127 – 187	270	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	160 – 222	274	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
NTL-M 260	60 – 119	280	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	92 – 160	280	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	129 – 197	280	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	162 – 231	284	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
<b>ab Ø 315mm / from Ø 315mm</b>											
AL-M 315	78 – 166	342	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	130 – 228	342	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	194 – 293	342	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	245 – 345	386	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8

**Krallenbacken Innenspannung**

**Verzahnung 1,5mm x 60°**

**Hard claw jaws for I.D. clamping**

**Serration 1,5mm x 60°**

<b>Futtertyp/Chuck type</b>	<b>Durchmesser Clamping range</b>	<b>Durchlass Swing diameter</b>	<b>Index/Id.-No</b>	<b>Typ Type</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>Schrauben Screws</b>	<b>P</b>	<b>R</b>
AN-M 315	78 – 155	330	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	129 – 216	330	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	193 – 281	330	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	245 – 333	374	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
AP-M 315	78 – 154	329	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	128 – 215	329	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	192 – 280	329	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	244 – 332	373	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
APL-M 315	78 – 165	341	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	121 – 227	341	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	185 – 292	341	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	236 – 344	385	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
BB-M 315	113 – 154	329	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	174 – 215	329	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	238 – 280	329	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	290 – 332	373	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
BH-M 315; BHM-FC 315	83 – 155	330	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	143 – 216	330	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	207 – 281	330	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	259 – 333	374	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
BP-M 320	83 – 157	332	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	143 – 218	332	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	207 – 283	332	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	259 – 335	376	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
HFKN-M 315-91	93 – 165	341	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	153 – 227	341	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	217 – 292	341	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	269 – 344	385	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
NT-M 315	78 – 154	329	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	128 – 215	329	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	192 – 280	329	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	244 – 332	373	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
NTL-M 315	78 – 166	342	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	123 – 227	342	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	187 – 292	342	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	239 – 344	385	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
<b>ab Ø 400mm / from Ø 400mm</b>											
AL-M 400	111 – 200	428	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	166 – 256	428	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	221 – 311	428	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	290 – 381	435	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	350 – 442	487	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8

**Krallenbacken Innenspannung**

Verzahnung 1,5mm x 60°

Hard claw jaws for I.D. clamping

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Type	B	C	D	E	Schrauben Screws	P	R
AN-M 400	111 – 188	416	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	166 – 244	416	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	221 – 299	416	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	290 – 370	423	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	350 – 430	475	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8
AP-M 400 <sup>7)</sup>	97 – 176	405	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	148 – 232	405	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	203 – 287	405	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	272 – 358	411	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	332 – 418	463	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8
APL-M 400 <sup>7)</sup>	97 – 190	418	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	142 – 246	418	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	197 – 301	418	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	266 – 371	425	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	326 – 432	477	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8
BH-M 400	110 – 178	407	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	165 – 234	407	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	220 – 289	407	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	289 – 360	413	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	349 – 420	465	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8
BH-M 450	110 – 237	466	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	165 – 293	466	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	220 – 349	466	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	289 – 419	473	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	349 – 480	525	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8
BHM-FC 400 <sup>7)</sup>	110 – 178	407	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	165 – 234	407	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	220 – 289	407	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	289 – 360	413	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	349 – 420	465	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8
NT-M 400 <sup>7)</sup>	97 – 176	405	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	148 – 232	405	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	203 – 287	405	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	272 – 358	411	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	332 – 418	463	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8
NTL-M 400 <sup>7)</sup>	97 – 190	418	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	145 – 246	418	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	199 – 301	418	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	268 – 371	425	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	328 – 432	477	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8

7) Bitte überprüfen Sie die Anschlussmaße

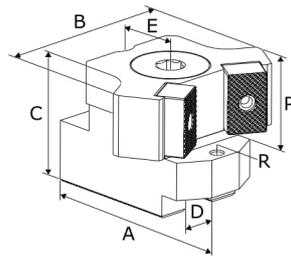
7) Please check the connecting dimensions

# Pendelbacken

## Pendulum jaws

Verzahnung 1/16" x 90°

Serration 1/16" x 90°



Pendelbacken ermöglichen sicheres Spannen dünnwandiger und verformungsgefährdeter Werkstücke

Die Befestigung erfolgt mit einzelnen Nutensteinen  
Nutensteine müssen separat bestellt werden

Pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation

Fastening is done using single T-Nuts  
T-Nuts must be ordered separately

Futtertyp/Chuck type ab Ø 200mm/from Ø200mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ Type	A	B	C	D	E	Schrauben Screws	P	R
AL-D 210	63 – 90	223	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 91	223	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	93 – 120	244	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	119 – 146	243	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
AN-D 210	63 – 83	215	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 84	215	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	94 – 113	236	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	119 – 139	235	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
AP-D 215	62 – 88	221	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 90	221	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	93 – 118	242	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	119 – 144	241	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
APL-D 215	64 – 94	230	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 97	230	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	94 – 126	251	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	120 – 152	250	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
BB-D 210	67 – 84	217	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 86	217	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	98 – 115	238	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	123 – 140	237	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
BH-D 210; BHD-FC 210	54 – 83	216	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 85	216	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	85 – 114	237	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	110 – 140	236	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
BP-D 220	54 – 90	223	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 91	223	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	85 – 120	244	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	110 – 146	243	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
GHD-FC 210; GHDN 210	65 – 90	223	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 91	223	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	96 – 120	244	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	121 – 146	243	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
HB-D 210	72 – 91	225	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	74 – 93	225	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	103 – 122	246	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	128 – 147	245	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
HFK 200	69 – 86	219	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	71 – 88	219	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	99 – 117	240	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	125 – 142	239	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6

**Pendelbacken / Pendulum jaws**

Verzahnung 1/16" x 90°

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
	Clamping range	Swing diameter										
HFKN-D 210-52	55 - 94	229	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 - 97	229	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	86 - 125	250	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	111 - 151	249	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
HFKS 200	69 - 86	219	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	71 - 88	219	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	99 - 117	240	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	125 - 142	239	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
KDV 200; KDVG 200	56 - 78	210	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 - 80	210	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	86 - 109	231	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	112 - 134	230	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
KFMF 200	61 - 83	215	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 - 84	215	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	92 - 113	236	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	117 - 139	235	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
KFV 200	57 - 80	212	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 - 82	212	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	88 - 111	233	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	114 - 136	232	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
NT-D 215	62 - 88	221	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 - 90	221	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	93 - 118	242	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	119 - 144	241	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
PB-D 210; PBI-D 210	72 - 91	225	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	73 - 93	225	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	102 - 122	246	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	128 - 147	245	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
SP 240-78	91 - 113	247	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	120 - 142	268	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	145 - 167	268	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
STP 240	93 - 115	250	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	122 - 144	271	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	148 - 170	271	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
<b>ab Ø 250mm / from Ø 250mm</b>												
AL-D 250	67 - 99	274	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	73 - 111	274	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 - 115	274	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	126 - 164	291	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	138 - 176	291	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
AN-D 250	67 - 97	264	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	73 - 103	264	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 - 107	264	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	126 - 156	281	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	138 - 168	281	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
AP-D 260 <sup>7)</sup>	59 - 99	278	<b>17 0001 3800</b>	SWT-C 250-6	90	81,5	64	17	32	M12	35	M6
	70 - 115	278	<b>17 0001 3810</b>	SWT-C 250-7	90	93	64	17	32	M12	35	M6
	99 - 119	278	<b>17 0001 3820</b>	SWT-C 250-8	90	102	64	17	32	M12	35	M6
	114 - 164	291	<b>17 0001 3830</b>	SWT-C 250-9	75	131	64	17	32	M12	35	M6
	126 - 176	291	<b>17 0001 3840</b>	SWT-C 250-10	75	144	64	17	32	M12	35	M6

**Pendelbacken / Pendulum jaws**

Verzahnung 1/16" x 90°

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
APL-D 260 <sup>7)</sup>	54 – 99	287	<b>17 0001 3800</b>	SWT-C 250-6	90	81,5	64	17	32	M12	35	M6
	70 – 123	287	<b>17 0001 3810</b>	SWT-C 250-7	90	93	64	17	32	M12	35	M6
	99 – 127	287	<b>17 0001 3820</b>	SWT-C 250-8	90	102	64	17	32	M12	35	M6
	109 – 173	301	<b>17 0001 3830</b>	SWT-C 250-9	75	131	64	17	32	M12	35	M6
	121 – 185	301	<b>17 0001 3840</b>	SWT-C 250-10	75	144	64	17	32	M12	35	M6
BB-D 250	76 – 97	264	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	82 – 103	264	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 107	264	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	135 – 156	281	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	147 – 168	281	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
BH-D 250; BHD-FC 250	66 – 96	263	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	72 – 102	263	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 106	263	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	125 – 155	280	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	137 – 167	280	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
BP-D 260 <sup>7)</sup>	64 – 99	274	<b>17 0001 3800</b>	SWT-C 250-6	90	81,5	64	17	32	M12	35	M6
	70 – 111	274	<b>17 0001 3810</b>	SWT-C 250-7	90	93	64	17	32	M12	35	M6
	99 – 115	274	<b>17 0001 3820</b>	SWT-C 250-8	90	102	64	17	32	M12	35	M6
	119 – 161	287	<b>17 0001 3830</b>	SWT-C 250-9	75	131	64	17	32	M12	35	M6
	131 – 173	287	<b>17 0001 3840</b>	SWT-C 250-10	75	144	64	17	32	M12	35	M6
GHD-FC 250; GHDN 250	67 – 99	268	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	73 – 106	268	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 110	268	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	126 – 159	285	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	138 – 171	285	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
HB-D 250	78 – 99	276	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	84 – 113	276	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 117	276	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	137 – 166	293	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	149 – 178	293	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
HFK 250	67 – 99	268	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	73 – 106	268	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 110	268	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	126 – 159	285	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	138 – 171	285	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
HFKN-D 260-72	66 – 99	279	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	72 – 116	279	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 120	279	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	124 – 169	296	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	136 – 181	296	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
HFKS 250	67 – 99	268	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	73 – 106	268	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 110	268	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	126 – 159	285	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	138 – 171	285	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
KDV 250; KDVG 250	53 – 99	273	<b>17 0001 3800</b>	SWT-C 250-6	90	81,5	64	17	32	M12	35	M6
	70 – 110	273	<b>17 0001 3810</b>	SWT-C 250-7	90	93	64	17	32	M12	35	M6
	99 – 114	273	<b>17 0001 3820</b>	SWT-C 250-8	90	102	64	17	32	M12	35	M6
	105 – 160	286	<b>17 0001 3830</b>	SWT-C 250-9	75	131	64	17	32	M12	35	M6
	117 – 172	286	<b>17 0001 3840</b>	SWT-C 250-10	75	144	64	17	32	M12	35	M6

**Pendelbacken / Pendulum jaws**

Verzahnung 1/16" x 90°

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
	Clamping range	Swing diameter										
KFMF 250	63 - 99	271	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	69 - 109	271	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 - 113	271	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	122 - 162	288	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	134 - 174	288	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
KFV 250	62 - 98	265	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	69 - 104	265	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 - 108	265	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	121 - 156	282	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	133 - 168	282	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
NT-D 260 <sup>7)</sup>	59 - 99	278	<b>17 0001 3800</b>	SWT-C 250-6	90	81,5	64	17	32	M12	35	M6
	70 - 115	278	<b>17 0001 3810</b>	SWT-C 250-7	90	93	64	17	32	M12	35	M6
	99 - 119	278	<b>17 0001 3820</b>	SWT-C 250-8	90	102	64	17	32	M12	35	M6
	114 - 164	291	<b>17 0001 3830</b>	SWT-C 250-9	75	131	64	17	32	M12	35	M6
	126 - 176	291	<b>17 0001 3840</b>	SWT-C 250-10	75	144	64	17	32	M12	35	M6
NTL-D 260 <sup>7)</sup>	60 - 99	287	<b>17 0001 3800</b>	SWT-C 250-6	90	81,5	64	17	32	M12	35	M6
	70 - 123	287	<b>17 0001 3810</b>	SWT-C 250-7	90	93	64	17	32	M12	35	M6
	99 - 127	287	<b>17 0001 3820</b>	SWT-C 250-8	90	102	64	17	32	M12	35	M6
	116 - 173	301	<b>17 0001 3830</b>	SWT-C 250-9	75	131	64	17	32	M12	35	M6
	128 - 185	301	<b>17 0001 3840</b>	SWT-C 250-10	75	144	64	17	32	M12	35	M6
PB-D 250; PBI-D 250	78 - 99	276	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	84 - 113	276	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 - 117	276	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	137 - 166	293	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	149 - 178	293	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
SP 280-92; STP 280	101 - 123	299	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	105 - 138	299	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	154 - 187	317	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	166 - 199	317	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
<b>ab Ø 315mm / from Ø 315mm</b>												
AL-D 315	69 - 120	335	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 - 163	335	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	146 - 223	353	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 - 236	354	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
AN-D 315	69 - 120	323	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 - 153	323	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	146 - 216	341	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 - 226	342	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
AP-D 315	68 - 120	322	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 - 152	322	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	145 - 215	340	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 - 225	341	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
APL-D 315	64 - 120	334	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 - 162	334	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	138 - 223	352	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 - 235	353	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
BB-D 315	108 - 120	322	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	122 - 152	322	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	185 - 215	340	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	195 - 225	341	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6

**Pendelbacken / Pendulum jaws**

Verzahnung 1/16" x 90°

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
	Clamping range	Swing diameter										
BH-D 315; BHD-FC 315	82 – 120	323	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 153	323	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	158 – 216	341	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	168 – 226	342	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
BP-D 320	82 – 120	325	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 154	325	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	158 – 217	343	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	168 – 227	344	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
HB-D 315	72 – 120	331	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 160	331	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	149 – 222	349	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	159 – 232	350	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
HFK 315	74 – 120	332	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 160	332	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	151 – 223	350	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	161 – 233	351	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
HFKN-D 315-91	88 – 120	333	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	102 – 161	333	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	165 – 223	351	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	175 – 234	352	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
HFKS 315	74 – 120	332	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 160	332	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	151 – 223	350	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	161 – 233	351	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
KDV 315; KDVG 315	64 – 120	326	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 155	326	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	125 – 218	344	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 – 228	345	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
KFMF 315	75 – 120	332	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 160	332	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	152 – 223	350	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	162 – 233	351	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
KFV 315	64 – 120	328	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 157	328	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	138 – 220	346	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 – 230	347	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
NT-D 315	68 – 120	322	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 152	322	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	145 – 215	340	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 – 225	341	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
NTL-D 315	64 – 120	334	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 162	334	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	140 – 223	352	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 – 235	353	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
PB-D 315; PBI-D 315	76 – 120	331	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 160	331	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	153 – 222	349	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	163 – 232	350	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6

**Pendelbacken / Pendulum jaws**

Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben		
	Clamping range	Swing diameter								Screws	P	R
SP 350-115	104 - 120	362	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	118 - 178	362	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	181 - 223	380	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	191 - 260	382	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
SP 350-115 ES	127 - 178	372	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	190 - 223	390	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	200 - 269	392	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
SP-L 350-90	132 - 178	416	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	195 - 223	434	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	205 - 275	435	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
<b>ab Ø 400mm / from Ø 400mm</b>												
KDV 400; KDVG 400	64 - 120	409	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 - 178	409	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	123 - 223	427	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 - 275	428	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6

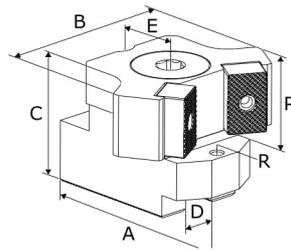
7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Pendelbacken / Pendulum jaws

Verzahnung 3/32" x 90°

Serration 3/32" x 90°



Pendelbacken ermöglichen sicheres Spannen dünnwandiger und verformungsgefährdeter Werkstücke

Die Befestigung erfolgt mit einzelnen Nutensteinen  
Nutensteine müssen separat bestellt werden

Pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation

Fastening is done using single T-Nuts  
T-Nuts must be ordered separately

Futtertyp/Chuck type ab Ø 400mm / from Ø 400mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
AL-D 400	127 – 200	426	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	192 – 259	452	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 – 289	452	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	292 – 365	548	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
AN-D 400	127 – 189	414	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	192 – 249	440	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 – 279	440	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	292 – 354	536	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
AP-D 400 <sup>7)</sup>	111 – 179	402	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	176 – 239	428	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 – 269	428	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	276 – 344	524	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
APL-D 400 <sup>7)</sup>	109 – 191	416	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	171 – 251	442	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 – 281	442	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	271 – 356	538	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
BB-N 400-140	153 – 209	456	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	218 – 285	482	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	248 – 315	481	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	318 – 386	578	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
BB-N ES 400-140	165 – 209	479	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	230 – 295	506	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	260 – 336	505	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	330 – 386	601	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
BB-N ES 470-191	187 – 209	495	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	253 – 295	521	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	283 – 350	521	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	353 – 386	617	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
BH-D 400	126 – 180	404	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	191 – 240	430	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 – 270	430	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	291 – 346	526	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
BH-D 450	126 – 209	464	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	191 – 292	490	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 – 322	489	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	291 – 386	586	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
BHD-FC 400	126 – 180	404	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	191 – 240	430	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 – 270	430	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	291 – 346	526	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8

**Pendelbacken / Pendulum jaws**

Verzahnung 3/32" x 90°

Serration 3/32" x 90°

Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
	Clamping range	Swing diameter										
HFK 400	125 - 198	424	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	190 - 258	450	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 - 288	450	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	290 - 363	546	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
HFKN-D 400-128	122 - 197	423	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	187 - 257	449	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 - 287	449	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	287 - 362	545	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
HFKS 400	125 - 198	424	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	190 - 258	450	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 - 288	450	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	290 - 363	546	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
KFV 400	109 - 190	415	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	170 - 250	441	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 - 280	441	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	270 - 355	537	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
NT-D 400 <sup>7)</sup>	111 - 179	402	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	176 - 239	428	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 - 269	428	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	276 - 344	524	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
NTL-D 400 <sup>7)</sup>	109 - 191	416	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	173 - 251	442	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 - 281	442	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	273 - 356	538	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8

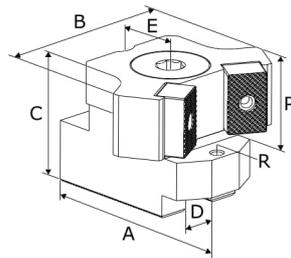
7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Pendelbacken / Pendulum jaws

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°



Pendelbacken ermöglichen sicheres Spannen dünnwandiger und verformungsgefährdeter Werkstücke

Die Befestigung erfolgt mit einzelnen Nutensteinen  
Nutensteine müssen separat bestellt werden

Pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation

Fastening is done using single T-Nuts  
T-Nuts must be ordered separately

Futtertyp/Chuck type ab Ø 210mm / from Ø 210mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
AL-M 210	57 – 87	227	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 – 95	227	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	87 – 118	248	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	113 – 143	247	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
AN-M 210	57 – 80	219	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 – 88	219	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	88 – 111	240	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	113 – 136	239	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
AP-M 215	56 – 85	225	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 – 93	225	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	87 – 116	246	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	113 – 141	245	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
APL-M 215	58 – 88	233	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 – 101	233	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	88 – 124	255	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	114 – 149	254	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
BB-M 210	61 – 82	221	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 – 90	221	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	92 – 112	242	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	117 – 138	241	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
BH-M 210; BHM-FC 210	48 – 81	220	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 – 89	220	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	79 – 112	241	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	104 – 137	240	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
BP-M 220	48 – 87	227	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 – 95	227	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	79 – 118	248	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	104 – 143	247	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
HFKN-M 210-52	49 – 88	229	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 – 97	229	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	80 – 119	250	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	105 – 145	249	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
NT-M 215	56 – 85	225	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 – 93	225	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	87 – 116	246	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	113 – 141	245	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
<b>ab Ø 250mm / from Ø 250mm</b>												
AL-M 250	67 – 99	278	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	73 – 115	278	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 – 119	278	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	123 – 164	291	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	135 – 176	291	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6

**Pendelbacken / Pendulum jaws**

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben		
	Clamping range	Swing diameter								Screws	P	R
AN-M 250	67 - 99	268	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	73 - 106	268	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 110	268	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	123 - 156	281	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	135 - 168	281	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
AP-M 260	59 - 99	278	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	69 - 115	278	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 119	278	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	114 - 164	291	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	126 - 176	291	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
APL-M 260	54 - 99	287	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	69 - 123	287	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 127	287	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	109 - 173	301	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	121 - 185	301	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
BB-M 250	76 - 99	268	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	82 - 106	268	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 110	268	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	131 - 156	281	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	143 - 168	281	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
BH-M 250; BHM-FC 250	66 - 99	267	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	72 - 105	267	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 109	267	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	122 - 155	280	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	134 - 167	280	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
BP-M 260	64 - 99	274	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	70 - 111	274	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 115	274	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	119 - 161	287	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	131 - 173	287	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
HFKN-M 260-72	66 - 99	282	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	72 - 119	282	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 123	282	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	122 - 169	296	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	134 - 181	296	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
NT-M 260	59 - 99	278	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	69 - 115	278	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 119	278	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	114 - 164	291	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	126 - 176	291	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
NTL-M 260	60 - 99	287	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	69 - 123	287	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 127	287	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	116 - 173	301	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	128 - 185	301	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
<b>ab Ø 315mm / from Ø 315mm</b>												
AL-M 315	69 - 120	335	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	99 - 163	335	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	146 - 223	353	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	159 - 236	354	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6

**Pendelbacken / Pendulum jaws**

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

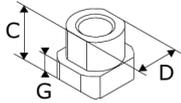
Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben		
	Clamping range	Swing diameter								Screws	P	R
AN-M 315	69 – 120	323	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	99 – 153	323	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	146 – 216	341	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	159 – 226	342	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6
AP-M 315	68 – 120	322	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	99 – 152	322	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	145 – 215	340	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	159 – 225	341	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6
APL-M 315	64 – 120	334	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	99 – 162	334	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	138 – 223	352	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	159 – 235	353	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6
BB-M 315	108 – 120	322	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	122 – 152	322	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	185 – 215	340	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	195 – 225	341	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6
BH-M 315; BHM-FC 315	82 – 120	323	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	99 – 153	323	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	158 – 216	341	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	168 – 226	342	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6
BP-M 320	82 – 120	325	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	99 – 154	325	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	158 – 217	343	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	168 – 227	344	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6
HFKN-M 315-91	90 – 120	334	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	104 – 162	334	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	167 – 223	352	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	177 – 235	353	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6
NT-M 315	68 – 120	322	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	99 – 152	322	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	145 – 215	340	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	159 – 225	341	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6
NTL-M 315	64 – 120	334	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	99 – 162	334	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	140 – 223	352	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	159 – 235	353	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6

T-Nutensteine für Spannfutter mit Zollverzahnung

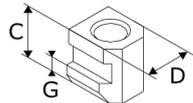
T-Nuts for chucks with inch serration

Verzahnung 90°

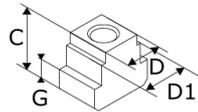
Serration 90°



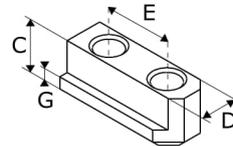
Ausführung 1  
Version 1



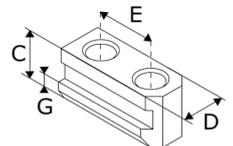
Ausführung 2  
Version 2



Ausführung 3  
Version 3



Ausführung 4  
Version 4



Ausführung 5  
Version 5

Futtertyp/Chuck type ab Ø 125mm / from Ø 125mm	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max.Anzugsmoment Nm	
									Max. tightening torque Nm	Ausführung Version
BB-D 140; BH-D 130; HB-D 130	17 0000 2500	WTD 12-6	15	12	-	16	M8x20	6,5	30	4
	17 0000 2360	WTS 12-3	15	12	-	-	M8x20	6,5	30	1
KDV 130	17 0000 6000	WTS 12-1	17,2	12	-	-	M8x20	7	30	1
PB-D 130; PBI-D 130	17 0000 2500	WTD 12-6	15	12	-	16	M8x20	6,5	30	4
	17 0000 2360	WTS 12-3	15	12	-	-	M8x20	6,5	30	1
SP 125-26; STP 125; STWP 125	17 0000 8630	WTS 11-1	21	11	-	-	M8x30	7	30	1
ab Ø 160mm / from Ø 160mm										
AL-D 165; AN-D 165; AP-D 170; BB-D 175; BH-D 165; BHD-FC 165	17 0000 6230	WTD 14-1	18,5	14	-	20	M10x25	6,5	50	5
	17 0000 2430	WTS 14-2	18,5	14	-	-	M10x25	6,5	50	2
GHD-FC 165; GHDN 165	17 0001 1250	WTS 14-5	20	14	-	-	M10x25	7,5	50	1
HB-D 165	17 0000 6230	WTD 14-1	18,5	14	-	20	M10x25	6,5	50	5
	17 0000 2430	WTS 14-2	18,5	14	-	-	M10x25	6,5	50	2
HFK 160	17 0000 5560	WTD 17-2	23	17	-	22	M12x30	9	70	4
	17 0000 5470	WTS 17-2	23	17	-	-	M12x30	9	70	1
HFKN-D 165-46	17 0000 6230	WTD 14-1	18,5	14	-	20	M10x25	6,5	50	5
	17 0000 2430	WTS 14-2	18,5	14	-	-	M10x25	6,5	50	2
HFKS 160	17 0000 5560	WTD 17-2	23	17	-	22	M12x30	9	70	4
	17 0000 5470	WTS 17-2	23	17	-	-	M12x30	9	70	1
HYND-S 180	17 0000 6230	WTD 14-1	18,5	14	-	20	M10x25	6,5	50	5
	17 0000 2430	WTS 14-2	18,5	14	-	-	M10x25	6,5	50	2
KDV 160; KDVG 160; KFMF 160; KFV 160	17 0000 5560	WTD 17-2	23	17	-	22	M12x30	9	70	4
	17 0000 5470	WTS 17-2	23	17	-	-	M12x30	9	70	1
NT-D 170; PB-D 165; PBI-D 165; RC-D 165	17 0000 6230	WTD 14-1	18,5	14	-	20	M10x25	6,5	50	5
	17 0000 2430	WTS 14-2	18,5	14	-	-	M10x25	6,5	50	2
SP 160-38; STP 160; STWP 160	17 0000 8660	WTS 14-1	25,5	14	-	-	M10x35	8,5	50	1
ab Ø 200mm / from Ø 200mm										
AL-D 210; AN-D 210; AP-D 215; APL-D 215; BB-D 210; BH-D 210; BHD-FC 210; BP-D 220	17 0000 6240	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5
	17 0000 2440	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2
CC 240 Z	17 0000 8680	WTS 17-3	27	17	-	-	M12x35	9	70	1
CD 200	17 0001 1260	WTS 17-7	22,3	17	-	-	M12x30	8,3	70	1
CL-D 200	17 0000 6020	WTS 21-6	25,5	21	-	-	M16x35	11	150	1
GHD-FC 210; GHDN 210	17 0001 1260	WTS 17-7	22,3	17	-	-	M12x30	8,3	70	1

**T-Nutensteine für Spannfutter mit Zollverzahnung**

**Verzahnung 90°**

**T-Nuts for chucks with inch serration**

**Serration 90°**

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max.Anzugsmoment Nm	
									Max. tightening torque Nm	Ausführung Version
HB-D 210	<b>17 0000 6240</b>	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5
	<b>17 0000 2440</b>	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2
HDB 220; HDL 200; HDN 200; HDN 220	<b>17 0001 1260</b>	WTS 17-7	22,3	17	-	-	M12x30	8,3	70	1
HFK 200	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1
HFKN-D 210-52	<b>17 0000 6240</b>	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5
	<b>17 0000 2440</b>	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2
HFKS 200	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1
HYND-S 210; HYND-S 226	<b>17 0000 6240</b>	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5
	<b>17 0000 2440</b>	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2
KDV 200; KDVG 200; KFMF 200; KFV 200	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1
KZF 200; KZF-ES 200	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1
	<b>17 0000 8710</b>	WTS 17-8	27	17	21	-	M12x30	11	70	3
LP 205	<b>17 0000 8680</b>	WTS 17-3	27	17	-	-	M12x35	9	70	1
NT-D 215	<b>17 0000 6240</b>	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5
	<b>17 0000 2440</b>	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2
ODL 200; ODN 200; ODN 220	<b>17 0001 1260</b>	WTS 17-7	22,3	17	-	-	M12x30	8,3	70	1
PB-D 210; PBI-D 210; RC-D 210	<b>17 0000 6240</b>	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5
	<b>17 0000 2440</b>	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2
SP 200; SP 240-78; STP 200; STP 240; STWP 200	<b>17 0000 8680</b>	WTS 17-3	27	17	-	-	M12x35	9	70	1
US-2 CLD 200	<b>17 0000 6020</b>	WTS 21-6	25,5	21	-	-	M16x35	11	150	1
<b>ab Ø 250mm / from Ø 250mm</b>										
250RCD; AL-D 250; AN-D 250	<b>17 0000 6250</b>	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	<b>17 0000 2450</b>	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
AP-D 260; APL-D 260	<b>17 0000 6240</b>	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5
	<b>17 0000 2440</b>	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2
BB-D 250; BH-D 250; BHD-FC 250	<b>17 0000 6250</b>	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	<b>17 0000 2450</b>	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
BP-D 260	<b>17 0000 6240</b>	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5
	<b>17 0000 2440</b>	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2
CD 250	<b>17 0000 6020</b>	WTS 21-6	25,5	21	-	-	M16x35	11	150	1
CL-D 250	<b>17 0000 2400</b>	WTS 25,5-9	34,5	25,5	-	-	M20x45	15	220	1
GHD-FC 250; GHDN 250	<b>17 0000 6020</b>	WTS 21-6	25,5	21	-	-	M16x35	11	150	1
HB-D 250	<b>17 0000 6250</b>	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	<b>17 0000 2450</b>	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
HDL 250; HDN 250	<b>17 0000 6020</b>	WTS 21-6	25,5	21	-	-	M16x35	11	150	1
HDN 250S	<b>17 0000 6060</b>	WTS 17-9	25,5	17	21	-	M12x30	11	70	3
HFK 250; HFK 270	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1
	<b>17 0000 8710</b>	WTS 17-8	27	17	21	-	M12x30	11	70	3

**T-Nutensteine für Spannfutter mit Zollverzahnung**

**Verzahnung 90°**

**T-Nuts for chucks with inch serration**

**Serration 90°**

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max.Anzugsmoment Nm	
									Max. tightening torque Nm	Ausführung Version
HFKN-D 260-72	17 0000 6250	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	17 0000 2450	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
HFKS 250; HFKS 270	17 0000 5570	WTD 21-2	27	21	-	28	M16x35	11	150	4
	17 0000 5480	WTS 21-2	27	21	-	-	M16x35	11	150	1
	17 0000 8710	WTS 17-8	27	17	21	-	M12x30	11	70	3
HYND-S 250	17 0000 6250	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	17 0000 2450	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
KDV 250; KDVG 250	17 0000 5560	WTD 17-2	23	17	-	22	M12x30	9	70	4
	17 0000 5470	WTS 17-2	23	17	-	-	M12x30	9	70	1
KFMF 250; KFV 250	17 0000 5570	WTD 21-2	27	21	-	28	M16x35	11	150	4
	17 0000 5480	WTS 21-2	27	21	-	-	M16x35	11	150	1
	17 0000 8710	WTS 17-8	27	17	21	-	M12x30	11	70	3
KZF 250; KZF-ES 250	17 0000 5580	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	17 0000 5490	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
	17 0000 8700	WTS 21-8	29	21	25,5	-	M16x35	11	150	3
LP 250	17 0000 8720	WTS 21-3	30	21	-	-	M16x35	11	150	1
NT-D 260; NTL-D 260	17 0000 6240	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5
	17 0000 2440	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2
ODL 250; ODN 250	17 0000 6020	WTS 21-6	25,5	21	-	-	M16x35	11	150	1
ODN 250S	17 0000 6060	WTS 17-9	25,5	17	21	-	M12x30	11	70	3
PB-D 250; PBI-D 250; RC-D 250	17 0000 6250	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	17 0000 2450	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
SP 250; SP 280-92; STP 250; STP 280; STWP 250	17 0000 8720	WTS 21-3	30	21	-	-	M16x35	11	150	1
US-2 CLD 250	17 0000 2400	WTS 25,5-9	34,5	25,5	-	-	M20x45	15	220	1
<b>ab Ø 300mm / from Ø 300mm</b>										
305RCD; AL-D 315; AN-D 315; AP-D 315; APL-D 315; BB-D 315; BH-D 315; BHD-FC 315; BP-D 320	17 0000 6250	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	17 0000 2450	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
CC 350 Z	17 0000 8720	WTS 21-3	30	21	-	-	M16x35	11	150	1
CD 315	17 0000 6020	WTS 21-6	25,5	21	-	-	M16x35	11	150	1
CL-D 315	17 0000 2400	WTS 25,5-9	34,5	25,5	-	-	M20x45	15	220	1
GHD-FC 305; GHDN 315	17 0000 6020	WTS 21-6	25,5	21	-	-	M16x35	11	150	1
HB-D 315	17 0000 6250	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	17 0000 2450	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
HDB 300; HDL 315; HDN 315	17 0000 6020	WTS 21-6	25,5	21	-	-	M16x35	11	150	1
HFK 315	17 0000 5570	WTD 21-2	27	21	-	28	M16x35	11	150	4
	17 0000 5480	WTS 21-2	27	21	-	-	M16x35	11	150	1
	17 0000 8710	WTS 17-8	27	17	21	-	M12x30	11	70	3
HFKN-D 315-91	17 0000 6250	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	17 0000 2450	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
HFKS 315	17 0000 5570	WTD 21-2	27	21	-	28	M16x35	11	150	4
	17 0000 5480	WTS 21-2	27	21	-	-	M16x35	11	150	1
	17 0000 8710	WTS 17-8	27	17	21	-	M12x30	11	70	3
HYND-S 315	17 0000 6250	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	17 0000 2450	WTS 21-1	26,5	21	-	-	M16x35	10	150	2

**T-Nutensteine für Spannfutter mit Zollverzahnung**

**Verzahnung 90°**

**T-Nuts for chucks with inch serration**

**Serration 90°**

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max.Anzugsmoment Nm	
									Max. tightening torque Nm	Ausführung Version
KDV 315; KDVG 315; KFMF 315; KFV 315	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1
	<b>17 0000 8710</b>	WTS 17-8	27	17	21	-	M12x30	11	70	3
KZF 315; KZF-ES 315	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
	<b>17 0000 8700</b>	WTS 21-8	29	21	25,5	-	M16x35	11	150	3
LP 380	<b>17 0000 8740</b>	WTS 25,5-2	34,5	25,5	-	-	M18x55	14,5	220	1
NT-D 315; NTL-D 315	<b>17 0000 6250</b>	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	<b>17 0000 2450</b>	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
ODL 315; ODN 315	<b>17 0000 6020</b>	WTS 21-6	25,5	21	-	-	M16x35	11	150	1
PB-D 315; PBI-D 315; RC-D 305	<b>17 0000 6250</b>	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	<b>17 0000 2450</b>	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
SP 315; SP 350-115; SP 350-115 ES; SP-L 350-90; STP 315; STWP 315	<b>17 0000 8720</b>	WTS 21-3	30	21	-	-	M16x35	11	150	1
US-2 CLD 315	<b>17 0000 2400</b>	WTS 25,5-9	34,5	25,5	-	-	M20x45	15	220	1
<b>ab Ø 400mm / from Ø 400mm</b>										
AL-D 400; AN-D 400	<b>17 0000 2400</b>	WTS 25,5-9	34,5	25,5	-	-	M20x45	15	220	1
BB 400; BB 400 ES	<b>17 0000 8740</b>	WTS 25,5-2	34,5	25,5	-	-	M18x55	14,5	220	1
BB-N 400-140; BB-N 460; BB-N 470-191; BB-N ES 400-140; BB-N ES 460; BB-N ES 470-191; BH-D 400; BH-D 450; BHD-FC 400	<b>17 0000 2400</b>	WTS 25,5-9	34,5	25,5	-	-	M20x45	15	220	1
CC 470 Z	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
	<b>17 0000 8700</b>	WTS 21-8	29	21	25,5	-	M16x35	11	150	3
GHD 400; GHD-FC 400; GHDN 400; HDL 400; HDN 400	<b>17 0000 6020</b>	WTS 21-6	25,5	21	-	-	M16x35	11	150	1
HFK 400; HFKN-D 400-128; HFKS 400	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
	<b>17 0000 8700</b>	WTS 21-8	29	21	25,5	-	M16x35	11	150	3
HYD-S 400; HYND-S 400	<b>17 0000 2400</b>	WTS 25,5-9	34,5	25,5	-	-	M20x45	15	220	1
KDV 400; KDVG 400	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1
	<b>17 0000 8710</b>	WTS 17-8	27	17	21	-	M12x30	11	70	3
KFV 400	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
	<b>17 0000 8700</b>	WTS 21-8	29	21	25,5	-	M16x35	11	150	3
LP 460	<b>17 0000 8740</b>	WTS 25,5-2	34,5	25,5	-	-	M18x55	14,5	220	1
ODL 400; ODN 400; RC-D 400	<b>17 0000 6020</b>	WTS 21-6	25,5	21	-	-	M16x35	11	150	1
STP 400	<b>17 0000 8740</b>	WTS 25,5-2	34,5	25,5	-	-	M18x55	14,5	220	1
<b>ab Ø 500mm / from Ø 500mm</b>										
BB 500; BB 500 ES	<b>17 0000 8740</b>	WTS 25,5-2	34,5	25,5	-	-	M18x55	14,5	220	1
BB-AZ-ES 500; BB-AZ-ES 590-220; BB-EXL-SC2G 510-191; BB-N 500-205; BB-N 500-230; BB-N ES 500-205; BB-N ES 500-230; BB-N-EXL2G 510-191; BH-D 500; BHD-FC 500	<b>17 0000 2400</b>	WTS 25,5-9	34,5	25,5	-	-	M20x45	15	220	1

**T-Nutensteine für Spannfutter mit Zollverzahnung**

**Verzahnung 90°**

**T-Nuts for chucks with inch serration**

**Serration 90°**

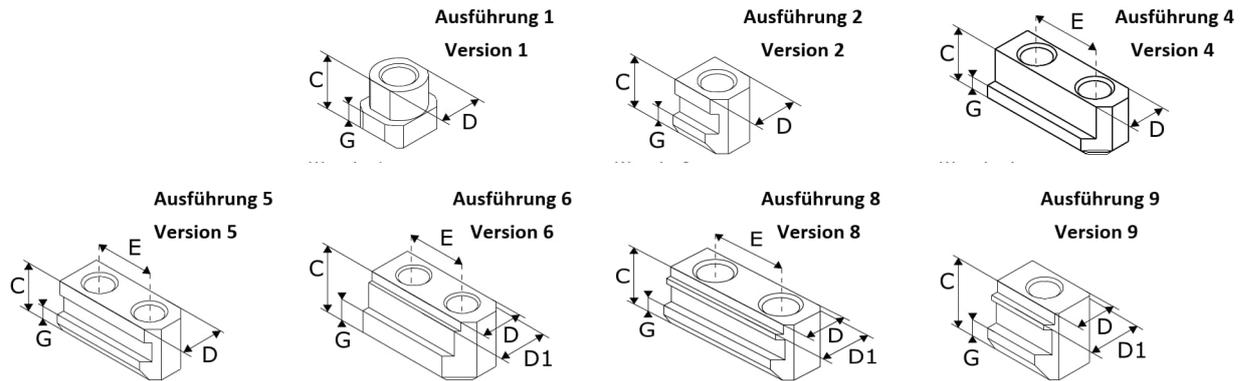
Futtertyp/Chuck type	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max. Anzugsmoment Nm	
									Max. tightening torque Nm	Ausführung Version
GHD 500	<b>17 0000 2420</b>	WTS 25,5-10	40	25,5	28	-	M20x40	15,5	300	3
HFK 500; HFKN-D 500-155; HFKS 500	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
	<b>17 0000 8700</b>	WTS 21-8	29	21	25,5	-	M16x35	11	150	3
HYD-S 500; HYDL-S 500; HYDL-S 550; HYDLL-S 550	<b>17 0000 2410</b>	WTS 25,5-11	34	25,5	28	-	M20x45	15	300	3
IL-D 500; IN-D 500	<b>17 0000 2420</b>	WTS 25,5-10	40	25,5	28	-	M20x40	15,5	300	3
KDV 500; KDVG 500; KfV 500	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
	<b>17 0000 8700</b>	WTS 21-8	29	21	25,5	-	M16x35	11	150	3
LP 500; STP 500	<b>17 0000 8740</b>	WTS 25,5-2	34,5	25,5	-	-	M18x55	14,5	220	1
<b>ab Ø 600mm / from Ø 600mm</b>										
BB 630	<b>17 0000 8780</b>	WTS 30-2	41	30	-	-	M24x70	15	450	1
BB 630-265 ES	<b>17 0000 8790</b>	WTS 25,5-6	67	25,5	-	-	M18x90	14,5	220	1
BB 630-325 ES; BB-AZ-ES 630-275; BB-AZ-ES 750-370	<b>17 0000 8780</b>	WTS 30-2	41	30	-	-	M24x70	15	450	1
BB-EXL-SC2G 660-280; BB-N 600-275	<b>17 0000 2400</b>	WTS 25,5-9	34,5	25,5	-	-	M20x45	15	220	1
BB-N 630-310	<b>17 0000 8780</b>	WTS 30-2	41	30	-	-	M24x70	15	450	1
BB-N ES 600-275	<b>17 0000 2400</b>	WTS 25,5-9	34,5	25,5	-	-	M20x45	15	220	1
BB-N ES 630-325	<b>17 0000 8780</b>	WTS 30-2	41	30	-	-	M24x70	15	450	1
BB-N-EXL2G 660-280; BH-D 630; BHD-FC 630	<b>17 0000 2400</b>	WTS 25,5-9	34,5	25,5	-	-	M20x45	15	220	1
GHD 610; GHD 640	<b>17 0000 2420</b>	WTS 25,5-10	40	25,5	28	-	M20x40	15,5	300	3
HYDL-S 630; HYDLL-S 630	<b>17 0000 2410</b>	WTS 25,5-11	34	25,5	28	-	M20x45	15	300	3
IL-D 630; IN-D 630	<b>17 0000 2420</b>	WTS 25,5-10	40	25,5	28	-	M20x40	15,5	300	3
KfV 630	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
	<b>17 0000 8700</b>	WTS 21-8	29	21	25,5	-	M16x35	11	150	3
STP 630	<b>17 0000 8780</b>	WTS 30-2	41	30	-	-	M24x70	15	450	1
<b>ab Ø 800mm / from Ø 800mm</b>										
BB 800; BB 850 ES; BB-N 800-410; BB-N ES 850-375; BB-N-EXL2G 900-390	<b>17 0000 8780</b>	WTS 30-2	41	30	-	-	M24x70	15	450	1
BH-D 800	<b>17 0000 2400</b>	WTS 25,5-9	34,5	25,5	-	-	M20x45	15	220	1
GHD 800; HYDL-S 800; IL-D 800; IN-D 800	<b>17 0000 2420</b>	WTS 25,5-10	40	25,5	28	-	M20x40	15,5	300	3
KfV 800	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
	<b>17 0000 8700</b>	WTS 21-8	29	21	25,5	-	M16x35	11	150	3
STP 800	<b>17 0000 8780</b>	WTS 30-2	41	30	-	-	M24x70	15	450	1
<b>ab Ø 1000mm / from Ø 1000mm</b>										
BB 1000; BB 1000 ES; BB-N 1000; BB-N ES 1000-560	<b>17 0000 8780</b>	WTS 30-2	41	30	-	-	M24x70	15	450	1

**T-Nutensteine für Spannfutter / Metrische Verzahnung**

**Verzahnung 60°**

**T-Nuts for chucks with metric serration**

**Serration 60°**



Futtertyp/Chuck type ab Ø 130mm / from Ø 130mm	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max. Anzugsmoment Nm Max. tightening torque Nm		Ausführung Version
BB-M 140; BH-M 130; HB-M 130; PB-M 130	<b>17 0000 2500</b>	WTD 12-6	15	12	-	16	M8x20	6,5	30	4	
	<b>17 0000 2360</b>	WTS 12-3	15	12	-	-	M8x20	6,5	30	1	
<b>ab Ø 165mm / from Ø 165mm</b>											
AL-M 165; AN-M 165; AP-M 170; BB-M 175; BH-M 165; BHM-FC 165; HB-M 165; HFKN-M 165-46; NT-M 170; PB-M 165; PBI-M 165; RC-M 165	<b>17 0000 2590</b>	WTD 12-7	18,5	12	14	20	M10x25	6,5	50	8	
	<b>17 0000 2460</b>	WTS 12-4	18,5	12	14	-	M10x25	6,5	50	9	
<b>ab Ø 210mm / from Ø 210mm</b>											
AL-M 210; AN-M 210; AP-M 215; APL-M 215; BB-M 210; BH-M 210; BHM-FC 210; BP-M 220; HB-M 210; HFKN-M 210-52; NT-M 215; PB-M 210; PBI-M 210; RC-M 210	<b>17 0000 2600</b>	WTD 14-5	20,5	14	17	25	M12x30	7,5	70	8	
	<b>17 0000 2470</b>	WTS 14-6	20,5	14	17	-	M12x30	7,5	70	9	
<b>ab Ø 250mm / from Ø 250mm</b>											
AL-M 250; AN-M 250	<b>17 0000 2610</b>	WTD 16-4	26,5	16	21	30	M12x35	10	70	8	
	<b>17 0000 2480</b>	WTS 16-3	26,5	16	21	-	M12x35	10	70	9	
AP-M 260; APL-M 260	<b>17 0000 2620</b>	WTD 16-5	20,5	16	17	30	M12x30	7,5	70	8	
BB-M 250; BH-M 250; BHM-FC 250	<b>17 0000 2610</b>	WTD 16-4	26,5	16	21	30	M12x35	10	70	8	
	<b>17 0000 2480</b>	WTS 16-3	26,5	16	21	-	M12x35	10	70	9	
BP-M 260	<b>17 0000 2620</b>	WTD 16-5	20,5	16	17	30	M12x30	7,5	70	8	
HB-M 250; HFKN-M 260-72	<b>17 0000 2610</b>	WTD 16-4	26,5	16	21	30	M12x35	10	70	8	
	<b>17 0000 2480</b>	WTS 16-3	26,5	16	21	-	M12x35	10	70	9	
NT-M 260; NTL-M 260	<b>17 0000 2620</b>	WTD 16-5	20,5	16	17	30	M12x30	7,5	70	8	
PB-M 250; PBI-M 250; RC-M 250	<b>17 0000 2610</b>	WTD 16-4	26,5	16	21	30	M12x35	10	70	8	
	<b>17 0000 2480</b>	WTS 16-3	26,5	16	21	-	M12x35	10	70	9	
<b>ab Ø 305mm / from Ø 305mm</b>											
AL-M 315; AN-M 315; AP-M 315; APL-M 315; BB-M 315; BH-M 315; BHM-FC 315; BP-M 320; HB-M 315; HFKN-M 315-91; NT-M 315; NTL-M 315; PB-M 315; PBI-M 315; RC-M 305	<b>17 0000 2580</b>	WTD 21-6	26,5	21	-	30	M16x35	10	150	5	
	<b>17 0000 2450</b>	WTS 21-1	26,5	21	-	-	M16x35	10	150	2	
<b>ab Ø 400mm / from Ø 400mm</b>											
AL-M 400; AN-M 400; BH-M 400; BH-M 450	<b>17 0000 2550</b>	WTD 22-6	34,5	22	25,5	43	M20x45	15	300	6	
GH-M 400	<b>17 0000 6020</b>	WTS 21-6	25,5	21	-	-	M16x35	11	150	1	
HFKN-M 400-128	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1	
RC-M 400	<b>17 0000 6020</b>	WTS 21-6	25,5	21	-	-	M16x35	11	150	1	
<b>ab Ø 500mm / from Ø 500mm</b>											
HFKN-M 500-155	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1	

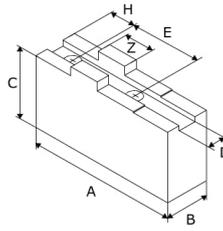
# Weiche Aufsatzbacken

## Soft top jaws

Metrische Kreuzversatz

Metric tongue and groove

Stahl / Steel



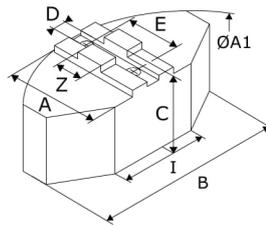
Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	Z
KNCS 140; KNCS-N 140-35	<b>17 0000 2630</b>	MKS-RM 140-1	70	20	40	8	32	M8	18	18
HG 160; HG-F 160-46; HG-N 160-46; KNCS 160; KNCS 175; KNCS-N 170-43; KNCP 160; RMG 160	<b>17 0000 2640</b>	MKS-RM 160-1	85	20	40	8	32	M8	18	18
HG 200; HG-F 210-60; HG-N 210-60; KNCS 200; KNCS 210; KNCS-N 210-52; KNCS-N 225-66; KNCS-NB 210-52; KNCS-NB 225-66; KNCP 200; RMG 200	<b>17 0000 2650</b>	MKS-RM 200-1	105	25	50	10	40	M8	25	20
HG 250; HG 315; HG-F 260-81; HG-N 260-81; HG-N 315-102; KNCS 250; KNCS 260; KNCS 315; KNCS-N 260-78; KNCS-N 275-86; KNCS-N 325-104; KNCS-N 340-117; KNCS-NB 260-78; KNCS-NB 275-86; KNCS-NB 325-104; KNCS-NB 340-117; RMG 250	<b>17 0000 2660</b>	MKS-RM 250-5	125	30	60	12	40	M12	25	20
HG 400; HG-F 315-102; HG-N 400-128; KNCS 400; KNCS-N 400-128; KNCS-NB 400-128; KNCS-NBX 425-170; RMG 315	<b>17 0000 2670</b>	MKS-RM 315-1	140	35	60	12	54	M12	30	26
HG 500; HG 630; HG-F 400-128; HG-F 500-165; HG-N 500-165; HG-N 630-254; KNCS 500; KNCS 630; KNCS-N 500-155; KNCS-N 630-165; KNCS-NB 500-155; KNCS-NB 630-165; KNCS-NB 800-165; KNCS-NBX 530-210; KNCS-NBX 630-262; KNCS-NBX 800-262; KNCS-NBX 1000-262	<b>17 0000 2680</b>	MKS-RM 400-1	180	50	80	18	60	M16	35	30

# Segmentbacken

Soft full grip jaws

Metrische Kreuzversatz  
Metric tongue and groove

Stahl / Steel C45



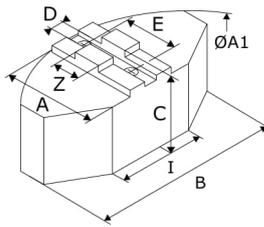
Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	Z	I	A1
HG 160; HG-F 160-46; HG-N 160-46; KNCS 160; KNCS 175; KNCS-N 170-43; KNSP 160; RMG 160	<b>17 0000 2750</b>	GPS-RM 160-1	60	120	50	8	32	M8	16	18	40	160
HG 200; HG-F 210-60; HG-N 210-60; KNCS 200; KNCS 210; KNCS-N 210-52; KNCS-N 225-66; KNCS-NB 210-52; KNCS-NB 225-66; KNSP 200; RMG 200	<b>17 0000 2760</b>	GPS-RM 200-1	70	140	60	10	40	M8	17	20	65	200
HG 250; HG 315; HG-F 260-81; HG-N 260-81; HG-N 315-102; KNCS 250; KNCS 260; KNCS 315; KNCS-N 260-78; KNCS-N 275-86; KNCS-N 325-104; KNCS-N 340-117; KNCS-NB 260-78; KNCS-NB 275-86; KNCS-NB 325-104; KNCS-NB 340-117; RMG 250	<b>17 0000 2770</b>	GPS-RM 250-1	90	180	60	12	40	M12	34	20	70	250
HG 400; HG-F 315-102; HG-N 400-128; KNCS 400; KNCS-N 400-128; KNCS-NB 400-128; KNCS-NBX 425-170; RMG 315	<b>17 0000 2780</b>	GPS-RM 315-1	110	240	75	12	54	M12	40	26	120	320
HG 500; HG 630; HG-F 400-128; HG-F 500-165; HG-N 500-165; HG-N 630-254; KNCS 500; KNCS 630; KNCS-N 500-155; KNCS-N 630-165; KNCS-NB 500-155; KNCS-NB 630-165; KNCS-NB 800-165; KNCS-NBX 530-210; KNCS-NBX 630-262; KNCS-NBX 800-262; KNCS-NBX 1000-262	<b>17 0000 2790</b>	GPS-RM 400-1	160	330	85	18	60	M16	80	30	150	440

# Segmentbacken

Soft full grip jaws

Metrische Kreuzversatz  
Metric tongue and groove

Aluminium/Aluminum



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	Z	I	A1
HG 160; HG-F 160-46; HG-N 160-46; KNCS 160; KNCS 175; KNCS-N 170-43; KNSP 160; RMG 160	<b>17 0000 2800</b>	GPA-RM 160-1	60	120	50	8	32	M8	16	18	40	160
HG 200; HG-F 210-60; HG-N 210-60; KNCS 200; KNCS 210; KNCS-N 210-52; KNCS-N 225-66; KNCS-NB 210-52; KNCS-NB 225-66; KNSP 200; RMG 200	<b>17 0000 2810</b>	GPA-RM 200-1	70	140	60	10	40	M8	17	20	65	200
HG 250; HG 315; HG-F 260-81; HG-N 260-81; HG-N 315-102; KNCS 250; KNCS 260; KNCS 315; KNCS-N 260-78; KNCS-N 275-86; KNCS-N 325-104; KNCS-N 340-117; KNCS-NB 260-78; KNCS-NB 275-86; KNCS-NB 325-104; KNCS-NB 340-117; RMG 250	<b>17 0000 2820</b>	GPA-RM 250-1	90	180	60	12	40	M12	34	20	70	250
HG 400; HG-F 315-102; HG-N 400-128; KNCS 400; KNCS-N 400-128; KNCS-NB 400-128; KNCS-NBX 425-170; RMG 315	<b>17 0000 2830</b>	GPA-RM 315-1	110	240	75	12	54	M12	40	26	120	320



# BERG

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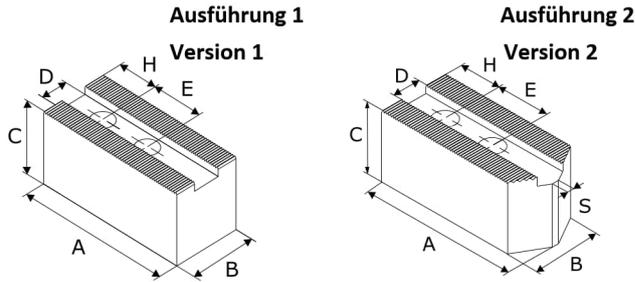
# Weiche Aufsatzbacken

## Soft top jaws

Verzahnung 90°

Serration 90°

Stahl / Steel C45



Futtertyp/Chuck type Verzahnung 1/16" x 90° / Serration 1/16" x 90°	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
KH 110	17 0000 5180	MKS-C 110-2	55	20	40	8	14	M9x1	11	-	1
KF3 130 <sup>2)</sup>	17 0001 1230	MKS-C 125-2	55,5	30	38	12	16	M8	10	-	1
KH 140; KH 160; KHL 160; KV3 160	17 0000 5200	MTS-C 140-1	70	30	45	10	19	M10	13	4	2
HES 160; HESF 160; KF3 160 <sup>2)</sup>	17 0000 5390	MKS-C 165-1	70	35	40	17	22	M12	15	-	1
	17 0000 5400	MKS-C 165-2	70	40	60	17	22	M12	15	-	1
	17 0000 6960	MTS-C 165-1	78	35	40	17	22	M12	15	4	2
KFN2 160 <sup>2),3)</sup>	17 0000 6950	2MKS-C 160-1	70	60	60	17	22	M12	12	-	1
KH 175; KH 200; KHL 200; KV3 200	17 0001 2380	MKS-C 175-1	84	30	55,5	12	21	M12	18	-	1
	17 0001 2390	MKS-C 175-2	90	35	60	12	21	M12	14	-	1
	17 0001 2400	MTS-C 175-1	95	35	60	12	21	M12	14	4	2
HES 200; HESF 200; KF3 200 <sup>2)</sup> ; KHF 200; KHFF 200	17 0000 6970	MKS-C 200-2	90	40	40	17	22	M12	25	-	1
	17 0000 5440	MKS-C 200-3	90	40	60	17	22	M12	25	-	1
	17 0000 5430	MTS-C 200-1	98	35	40	17	22	M12	15	4	2
KFN2 200 <sup>2),3)</sup>	17 0000 6950	2MKS-C 160-1	70	60	60	17	22	M12	12	-	1
KH 250; KH 315; KHL 250; KHL 315; KV3 250; KV3 315	17 0000 5230	MKS-C 250-4	111	40	60	16	29	M16	18	-	1
	17 0000 6660	MKS-C 250-5	111	40	80	16	29	M16	18	-	1
	17 0001 2410	MTS-C 250-6	120	40	60	16	29	M16	18	4	2
HES 250; HES 315; HESF 250; HESF 315; KF3 250 <sup>2)</sup> ; KF3 315 <sup>2)</sup> ; KHF 250; KHF 315; KHFF 250; KHFF 315	17 0001 1730	MKS-C 250-2	95	50	60	21	28	M16	15	-	1
	17 0000 6980	MTS-C 250-1	120	50	50	21	28	M16	20	4	2
	17 0000 5240	MKS-C 250-3	120	50	80	21	28	M16	30	-	1
	17 0000 5460	MTS-C 315-1	140	50	50	21	28	M16	30	4	2
KFN2 250 <sup>2),3)</sup> ; KFN2 315 <sup>2),3)</sup>	17 0000 6990	2MKS-C 200-1	95	80	80	21	28	M16	22	-	1
<b>Verzahnung 3/32" x 90° / Serration 3/32" x 90°</b>											
KH 400; KH 500; KH 630; KHL 400; KV3 400	17 0000 6670	MKS-C 400-6	150	50	80	20	38	M20	31	-	1
HES 400; HES 500; HES 630; HESF 400; HESF 500; HESF 630; KF3 400 <sup>2)</sup> ; KF3 500 <sup>2)</sup> ; KF3 630 <sup>2)</sup> ; KHF 400; KHF 500; KHF 630; KHFF 400; KHFF 500; KHFF 630	17 0000 7000	MKS-C 400-1	140	60	80	25,5	35	M20	30	-	1
	17 0000 7010	MKS-C 400-2	155	60	90	25,5	35	M20	30	-	1

2) auch mit Kreuzversatz erhältlich

2) Chuck is also available with tongue/groove connection

3) Zweibackenfutter

3) 2-jaw chuck

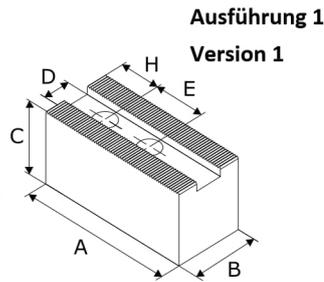
# Weiche Aufsatzbacken

## Soft top jaws

Verzahnung 90°

Serration 90°

Aluminium / Aluminum



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
<b>Verzahnung 1/16" x 90° / Serration 1/16" x 90°</b>											
KF3 130 <sup>2)</sup>	<b>17 0001 1240</b>	MKA-C 125-1	55	30	40	12	16	M8	10	-	1
KH 140; KH 160; KHL 160; KV3 160	<b>17 0001 2420</b>	MKA-C 140-1	70	25	50	10	19	M10	13	-	1
HES 160; HESF 160; KF3 160 <sup>2)</sup>	<b>17 0000 6270</b>	MKA-C 165-1	70	40	60	17	22	M12	15	-	1
KH 175; KH 200; KHL 200; KV3 200	<b>17 0001 2430</b>	MKA-C 175-1	84	30	60	12	21	M12	18	-	1
HES 200; HESF 200; KF3 200 <sup>2)</sup> ; KHF 200; KHFF 200	<b>17 0000 6280</b>	MKA-C 200-2	90	40	60	17	22	M12	25	-	1
KH 250; KH 315; KHL 250; KHL 315; KV3 250; KV3 315	<b>17 0001 2440</b>	MKA-C 250-2	111	40	60	16	29	M16	18	-	1
HES 250; HES 315; HESF 250; HESF 315; KF3 250 <sup>2)</sup> ; KF3 315 <sup>2)</sup> ; KHF 250; KHF 315; KHFF 250; KHFF 315	<b>17 0000 6290</b>	MKA-C 250-1	125	50	80	21	28	M16	30	-	1
<b>Verzahnung 3/32" x 90° / Serration 3/32" x 90°</b>											
HES 400; HES 500; HES 630; HESF 400; HESF 500; HESF 630; KF3 400 <sup>2)</sup> ; KF3 500 <sup>2)</sup> ; KF3 630 <sup>2)</sup> ; KHF 400; KHF 500; KHF 630; KHFF 400; KHFF 500; KHFF 630	<b>17 0000 7050</b>	MKA-C 400-1	155	60	100	25,5	35	M20	30	-	1

2) auch mit Kreuzversatz erhältlich

2) Chuck is also available with tongue/groove connection

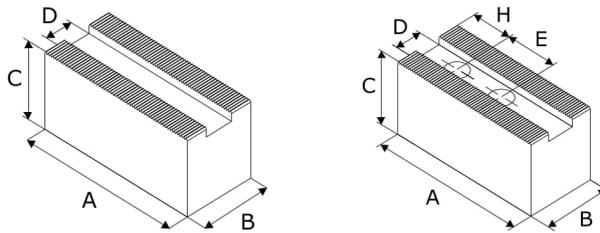
# Aufsatzbacken gebohrt oder ungebohrt

Soft jaw blanks, without or with bolt holes

Verzahnung 90°

Serration 90°

Stahl / Steel C45



**Ungebohrt**

Without bolt holes

**Geböhrt**

With bolt holes

**Futtertyp / Chuck type**

Verzahnung 1/16" x 90° / Serration 1/16" x 90°

	Index / Id.-No	Typ/Type	Index / Id.-No	Typ/Type	A	B	C	D
HES 160; HES 200; HESF 160; HESF 200; KF3 160 <sup>2)</sup> ; KF3 200 <sup>2)</sup> ; KFN2 160 <sup>2),3)</sup> ; KFN2 200 <sup>2),3)</sup> ; KHF 200; KHFF 200	<b>17 0000 4810</b>	MBS-C 200-1	<b>17 0000 4811</b>	MWS-C 200-1	70	40	40	17
	<b>17 0000 4820</b>	MBS-C 200-2	<b>17 0000 4821</b>	MWS-C 200-2	70	40	60	17
	<b>17 0000 4830</b>	MBS-C 200-3	<b>17 0000 4831</b>	MWS-C 200-3	90	40	40	17
	<b>17 0000 4840</b>	MBS-C 200-4	<b>17 0000 4841</b>	MWS-C 200-4	90	40	60	17
	<b>17 0000 4850</b>	MBS-C 200-5	<b>17 0000 4851</b>	MWS-C 200-5	90	40	80	17
	<b>17 0000 4860</b>	MBS-C 200-6	<b>17 0000 4861</b>	MWS-C 200-6	90	40	100	17
	<b>17 0000 4870</b>	MBS-C 200-7	<b>17 0000 4871</b>	MWS-C 200-7	90	40	120	17
	<b>17 0000 4880</b>	MBS-C 200-8	<b>17 0000 4881</b>	MWS-C 200-8	105	40	40	17
	<b>17 0000 4890</b>	MBS-C 200-9	<b>17 0000 4891</b>	MWS-C 200-9	105	40	60	17
HES 250; HES 315; HESF 250; HESF 315; KF3 250 <sup>2)</sup> ; KF3 315 <sup>2)</sup> ; KFN2 250 <sup>2),3)</sup> ; KFN2 315 <sup>2),3)</sup> ; KHF 250; KHF 315; KHFF 250; KHFF 315	<b>17 0000 4900</b>	MBS-C 250-1	<b>17 0000 4901</b>	MWS-C 250-1	90	45	45	21
	<b>17 0000 4910</b>	MBS-C 250-2	<b>17 0000 4911</b>	MWS-C 250-2	90	45	80	21
	<b>17 0000 4920</b>	MBS-C 250-3	<b>17 0000 4921</b>	MWS-C 250-3	110	45	45	21
	<b>17 0000 4930</b>	MBS-C 250-4	<b>17 0000 4931</b>	MWS-C 250-4	110	45	80	21
	<b>17 0000 4940</b>	MBS-C 250-5	<b>17 0000 4941</b>	MWS-C 250-5	125	50	50	21
	<b>17 0000 4950</b>	MBS-C 250-6	<b>17 0000 4951</b>	MWS-C 250-6	125	50	80	21
	<b>17 0000 4960</b>	MBS-C 250-7	<b>17 0000 4961</b>	MWS-C 250-7	125	50	100	21
	<b>17 0000 4970</b>	MBS-C 250-8	<b>17 0000 4971</b>	MWS-C 250-8	125	50	120	21
	<b>17 0000 4980</b>	MBS-C 250-9	<b>17 0000 4981</b>	MWS-C 250-9	140	50	60	21
	<b>17 0000 4990</b>	MBS-C 250-10	<b>17 0000 4991</b>	MWS-C 250-10	140	50	80	21

2) auch mit Kreuzversatz erhältlich

2) Chuck is also available with tongue/groove connection

3) Zweibackenfutter

3) 2-jaw chuck

Für gebohrte Backenrohlinge geben Sie bitte die Maße H und E an

For jaws with bolt holes please indicate H and E dimensions

Nutbreite 17mm

Bohrung für M12

Mindestwert:

H = 12 mm, E = 19 mm

Nutbreite 21mm

Bohrung für M16

Mindestwert:

H = 15 mm, E = 25 mm

Slot width 17 mm

bored for M12

Minimum values:

H = 12 mm, E = 19 mm

Slot width 21 mm

bored for M16

Minimum values:

H = 15 mm, E = 25 mm

# Segmentbacken

Ausführung 1

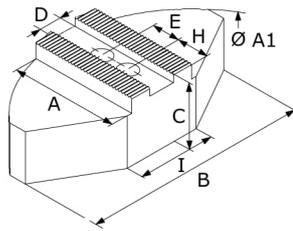
Version 1

Soft full grip jaws

Verzahnung 90°

Serration 90°

Stahl / Steel C45



Futtertyp / Chuck type	Index / Id.-No	Typ/Type	A	B	C	D	E	Schrauben / Screws	H	I	A1	Ausführung / Version
<b>Verzahnung 1/16" x 90° / Serration 1/16" x 90°</b>												
HES 160; HESF 160; KF3 160 <sup>2)</sup>	<b>17 0000 6590</b>	GPS-C 165-1	60	120	60	17	22	M12	25	40	160	1
KH 175; KH 200; KHL 200; KV3 200	<b>17 0000 6680</b>	GPS-C 175-1	60	120	60	12	21	M12	24	50	175	1
HES 200; HESF 200; KF3 200 <sup>2)</sup> ; KHF 200; KHFF 200	<b>17 0000 1300</b>	GPS-C 200-1	70	140	60	17	22	M12	35	64	200	1
	<b>17 0000 6560</b>	GPS-C 200-2	70	140	75	17	22	M12	35	64	200	1
KH 250; KH 315; KHL 250; KHL 315; KV3 250; KV3 315	<b>17 0000 6690</b>	GPS-C 250-4	80	180	60	16	29	M16	33	80	250	1
HES 250; HESF 250; KF3 250 <sup>2)</sup> ; KHF 250; KHFF 250	<b>17 0000 1310</b>	GPS-C 250-2	80	180	70	21	28	M16	30	104	250	1
	<b>17 0000 6570</b>	GPS-C 250-3	80	180	100	21	28	M16	30	104	250	1
HES 315; HESF 315; KF3 315 <sup>2)</sup> ; KHF 315; KHFF 315	<b>17 0000 1320</b>	GPS-C 315-1	110	240	70	21	28	M16	60	120	320	1
<b>Verzahnung 3/32" x 90° / Serration 3/32" x 90°</b>												
HES 400; HES 500; HES 630; HESF 400; HESF 500; HESF 630; KF3 400 <sup>2)</sup> ; KF3 500 <sup>2)</sup> ; KF3 630 <sup>2)</sup> ; KHF 400; KHF 500; KHF 630; KHFF 400; KHFF 500; KHFF 630	<b>17 0001 1690</b>	GPS-C 400-1	155	330	85	25,5	35	M20	85	150	440	1

2) auch mit Kreuzversatz erhältlich

2) Chuck is also available with tongue/groove connection

# Segmentbacken

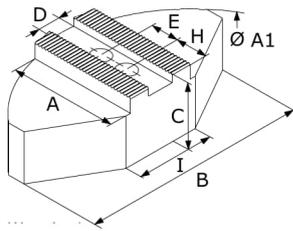
Soft full grip jaws

Verzahnung 90°

Serration 90°

Ausführung 1

Version 1



Aluminium / Aluminum ...

Futkertyp / Chuck type	Index / Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	I	A1	Ausführung Version
Verzahnung 1/16" x 90° / Serration 1/16" x 90°												
HES 160; HESF 160; KF3 160 <sup>2)</sup>	<b>17 0000 6310</b>	GPA-C 165-1	59,5	120	58	17	22	M12	22	40	165	1
KH 175; KH 200; KHL 200; KV3 200	<b>17 0001 2450</b>	GPA-C 165-2	59,5	120	58	12	21	M12	24	40	165	1
HES 200; HESF 200; KF3 200 <sup>2)</sup> ; KHF 200; KHFF 200	<b>17 0000 6320</b>	GPA-C 200-1	72,5	140	58	17	22	M12	35	50	200	1
	<b>17 0000 6330</b>	GPA-C 200-2	72,5	140	75	17	22	M12	35	50	200	1
KH 250; KH 315; KHL 250; KHL 315; KV3 250; KV3 315	<b>17 0001 2460</b>	GPA-C 250-3	87,5	180	58	16	29	M16	43	70	250	1
HES 250; HESF 250; KF3 250 <sup>2)</sup> ; KHF 250; KHFF 250	<b>17 0000 6340</b>	GPA-C 250-1	87,5	180	78	21	28	M16	40	70	250	1
	<b>17 0000 6350</b>	GPA-C 250-2	87,5	180	100	21	28	M16	40	70	250	1
HES 315; HESF 315; KF3 315 <sup>2)</sup> ; KHF 315; KHFF 315	<b>17 0000 6360</b>	GPA-C 315-1	117	240	78	21	28	M16	70	80	320	1
Verzahnung 3/32" x 90° / Serration 3/32" x 90°												
HES 400; HES 500; HES 630; HESF 400; HESF 500; HESF 630; KF3 400 <sup>2)</sup> ; KF3 500 <sup>2)</sup> ; KF3 630 <sup>2)</sup> ; KHF 400; KHF 500; KHF 630; KHFF 400; KHFF 500; KHFF 630	<b>17 0001 1770</b>	GPA-C 400-1	160	330	98	25,5	35	M20	85	150	440	1

2) auch mit Kreuzversatz erhältlich

2) Chuck is also available with tongue/groove connection

# Harte Stufenaufsatzbacken

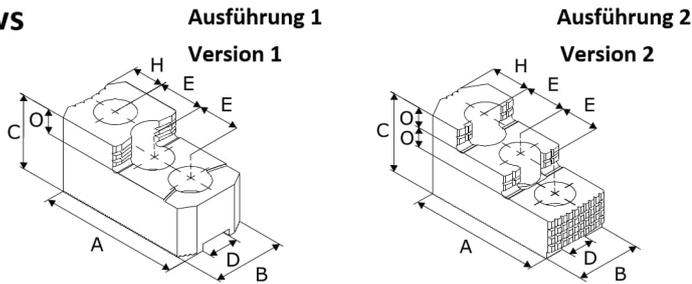
Hard stepped top jaws

Verzahnung 90°

Serration 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futkertyp / Chuck type	Index / Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	O	Ausführung Version
<b>Verzahnung 1/16" x 90° / Serration 1/16" x 90°</b>											
KF3 130 <sup>2)</sup>	<b>17 0000 1460</b>	SGT-C 160-1	58	30	34	12	16	M8	13	8,5	2
KH 140; KH 160; KHL 160; KV3 160	<b>17 0000 6630</b>	SGT-C 140-1	66,5	25	38	10	19	M10	17,5	6,5	2
HES 160; HESF 160; KF3 160 <sup>2)</sup>	<b>17 0000 7460</b>	SGT-C 165-1	64,7	35	40	17	19	M12	28	10	2
	<b>17 0000 7470</b>	SGT-C 165-2	72,5	40	49	17	19	M12	18	12	2
KH 175; KH 200; KHL 200; KV3 200	<b>17 0000 6640</b>	SGT-C 175-1	79	30	44	12	21	M12	23,5	8	2
HES 200; HESF 200; KF3 200 <sup>2)</sup> ; KHF 200; KHFF 200	<b>17 0000 1480</b>	SGT-C 200-1	83	40	46	17	23	M12	20	10,5	2
KH 250; KH 315; KHL 250; KHL 315; KV3 250; KV3 315	<b>17 0000 6650</b>	SGT-C 250-5	112	40	60	16	29	M16	33	12	2
HES 250; HESF 250; KF3 250 <sup>2)</sup> ; KHF 250; KHFF 250	<b>17 0000 1490</b>	SGT-C 250-1	106	45	56	21	30	M16	27	13,5	2
HES 315; HESF 315; KF3 315 <sup>2)</sup> ; KHF 315; KHFF 315	<b>17 0000 1500</b>	SGT-C 315-1	124	50	56	21	30	M16	45	13,5	2
<b>Verzahnung 3/32" x 90° / Serration 3/32" x 90°</b>											
HES 400; HES 500; HES 630; HESF 400; HESF 500; HESF 630; KF3 400 <sup>2)</sup> ; KF3 500 <sup>2)</sup> ; KF3 630 <sup>2)</sup> ; KHF 400; KHF 500; KHF 630; KHFF 400; KHFF 500; KHFF 630	<b>17 0000 1520</b>	SGT-C 400-1	141	60	75	25,5	38	M20	38	19	2
	<b>17 0000 1530</b>	SGT-C 600-1	146	74	74	25,5	38	M20	47	32	1

2) auch mit Kreuzversatz erhältlich

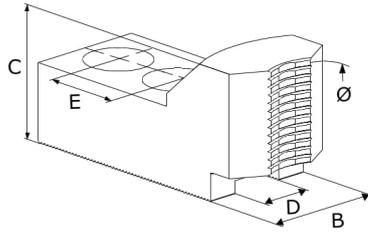
2) Chuck is also available with tongue/groove connection

# Harte Spannbacken-Stangenspannung

## Hard jaws for bar clamping

Verzahnung 1/16"x90°

Serration 1/16"x90°



Futtertyp / Chuck type ab Ø 160mm / from Ø 160mm	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ/Type	B	C	D	E	Schrauben
									Screws
HES 160; HESF 160	5 - 14	166	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	14 - 30	166	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
KF3 160 <sup>2)</sup>	5 - 6	157	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	14 - 23	157	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
<b>ab Ø 200mm / from Ø 200mm</b>									
HES 200; HESF 200	5 - 14	206	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 - 34	206	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
KF3 200 <sup>2)</sup>	5 - 8	199	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 - 28	199	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
KHF 200; KHFF 200	5 - 13	205	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 - 33	205	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
<b>ab Ø 250mm / from Ø 250mm</b>									
HES 250; HESF 250	5 - 27	258	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 - 51	258	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
KF3 250 <sup>2)</sup>	5 - 20	251	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 - 45	251	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
KHF 250; KHFF 250	5 - 22	253	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 - 47	253	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
<b>ab Ø 315mm / from Ø 315mm</b>									
HES 315; HESF 315	5 - 43	332	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 - 62	332	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
KF3 315 <sup>2)</sup>	5 - 35	324	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 - 55	324	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
KHF 315; KHFF 315	5 - 38	327	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 - 57	327	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16

2) auch mit Kreuzversatz erhältlich

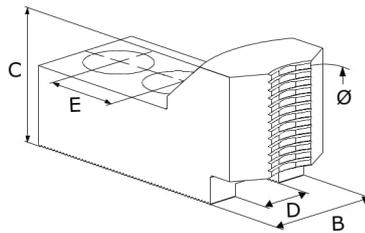
2) Chuck is also available with tongue/groove connection

# Harte Spannbacken-Stangenspannung

## Hard jaws for bar clamping

Verzahnung 3/32"x90°

Serration 3/32"x90



Futtertyp / Chuck type ab Ø 400mm / from Ø 400mm	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ/Type	B	C	D	E	Schrauben Screws
HES 400; HESF 400	34 – 100	421	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KF3 400 <sup>2)</sup>	34 – 100	421	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KHF 400	34 – 101	422	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KHFF 400	34 – 99	420	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
<b>ab Ø 500mm / from Ø 500mm</b>									
HES 500; HESF 500	37 – 203	525	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KF3 500 <sup>2)</sup>	34 – 201	523	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KHF 500	34 – 200	522	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KHFF 500	34 – 198	520	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
<b>ab Ø 630mm / from Ø 630mm</b>									
HES 630; HESF 630	71 – 333	656	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KF3 630 <sup>2)</sup>	34 – 334	657	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KHF 630	54 – 329	652	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KHFF 630	54 – 327	650	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20

2) auch mit Kreuzversatz erhältlich

2) Chuck is also available with tongue/groove connection

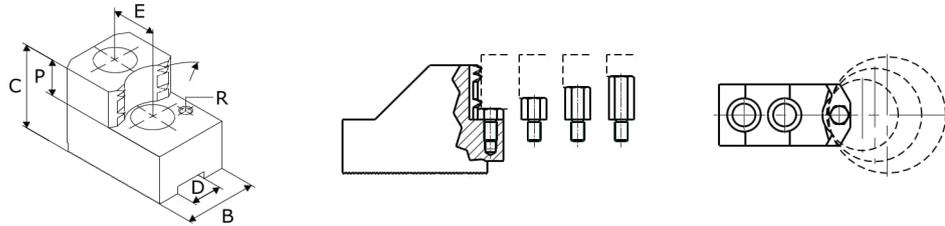
# Krallenbacken Außenspannung

## Hard claw jaws for O.D. clamping

Verzahnung 1/16"x90°

Serration 1/16"x90

Stahl 16MnCr5, gehärtet  
Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 160mm / from Ø 160mm	Durchmesser Clamping range	Durchlass		Index/Id.-No	Typ/Type	B	C	D	E	Schrauben P R	
		Swing diameter								Screws	
HES 160; HESF 160	27 – 47	163	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	42 – 66	165	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	64 – 88	166	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	82 – 106	169	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	104 – 128	188	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
KF3 160 <sup>2)</sup>	27 – 38	154	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	38 – 57	156	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	61 – 79	157	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	78 – 97	160	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	100 – 119	180	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
KH 175	38 – 57	187	<b>17 0001 2470</b>	GTZ-C 175-1	35	50	12	21	M12	20	M6
	52 – 71	187	<b>17 0001 2480</b>	GTZ-C 175-2	35	50	12	21	M12	20	M6
	73 – 93	187	<b>17 0001 2490</b>	GTZ-C 175-3	35	50	12	21	M12	20	M6
	95 – 115	187	<b>17 0001 2500</b>	GTZ-C 175-4	35	50	12	21	M12	20	M6
	117 – 137	191	<b>17 0001 2510</b>	GTZ-C 175-5	35	50	12	21	M12	20	M6
	139 – 159	207	<b>17 0001 2520</b>	GTZ-C 175-6	35	50	12	21	M12	20	M6
159 – 180	227	<b>17 0001 2530</b>	GTZ-C 175-7	35	50	12	21	M12	20	M6	
<b>ab Ø 200mm / from Ø 200mm</b>											
HES 200; HESF 200	29 – 56	209	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	48 – 84	209	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	77 – 113	210	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	103 – 140	212	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	133 – 170	231	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
KF3 200 <sup>2)</sup>	29 – 49	202	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	38 – 77	202	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	56 – 106	203	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	81 – 133	205	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	110 – 164	224	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
KH 200	47 – 78	210	<b>17 0001 2470</b>	GTZ-C 175-1	35	50	12	21	M12	20	M6
	61 – 94	210	<b>17 0001 2480</b>	GTZ-C 175-2	35	50	12	21	M12	20	M6
	83 – 116	210	<b>17 0001 2490</b>	GTZ-C 175-3	35	50	12	21	M12	20	M6
	105 – 138	210	<b>17 0001 2500</b>	GTZ-C 175-4	35	50	12	21	M12	20	M6
	126 – 160	214	<b>17 0001 2510</b>	GTZ-C 175-5	35	50	12	21	M12	20	M6
	148 – 182	230	<b>17 0001 2520</b>	GTZ-C 175-6	35	50	12	21	M12	20	M6
	169 – 203	249	<b>17 0001 2530</b>	GTZ-C 175-7	35	50	12	21	M12	20	M6
KHF 200; KHFF 200	29 – 55	208	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	45 – 83	208	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	73 – 112	209	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	100 – 139	211	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	130 – 169	230	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6

# Krallenbacken Außenspannung

Verzahnung 1/16"x90°

Hard claw jaws for O.D. clamping

Serration 1/16"x90

Futternyp/Chuck type	Durchmesser Clamping range	Durchlass		Index/Id.-No	Typ/Type	B	C	D	E	Schrauben Screws	P	R
		Swing diameter										
KHL 200; KV3 200	47 - 80	212		<b>17 0001 2470</b>	GTZ-C 175-1	35	50	12	21	M12	20	M6
	62 - 96	212		<b>17 0001 2480</b>	GTZ-C 175-2	35	50	12	21	M12	20	M6
	83 - 118	212		<b>17 0001 2490</b>	GTZ-C 175-3	35	50	12	21	M12	20	M6
	105 - 140	212		<b>17 0001 2500</b>	GTZ-C 175-4	35	50	12	21	M12	20	M6
	127 - 162	216		<b>17 0001 2510</b>	GTZ-C 175-5	35	50	12	21	M12	20	M6
	149 - 184	232		<b>17 0001 2520</b>	GTZ-C 175-6	35	50	12	21	M12	20	M6
	170 - 205	251		<b>17 0001 2530</b>	GTZ-C 175-7	35	50	12	21	M12	20	M6
<b>ab Ø 250mm / from Ø 250mm</b>												
HES 250; HESF 250	38 - 86	256		<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	74 - 126	256		<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	123 - 176	260		<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	170 - 223	295		<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
KF3 250 <sup>2)</sup>	38 - 79	249		<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	59 - 119	249		<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	96 - 169	253		<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	141 - 216	288		<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
KH 250	47 - 102	322		<b>17 0001 2540</b>	GTZ-C 250-9	45	60	16	29	M16	22	M6
	96 - 122	265		<b>17 0001 2550</b>	GTZ-C 250-10	45	60	16	29	M16	22	M6
	128 - 154	265		<b>17 0001 2560</b>	GTZ-C 250-11	45	60	16	29	M16	22	M6
	162 - 189	265		<b>17 0001 2570</b>	GTZ-C 250-12	45	60	16	29	M16	22	M6
	196 - 223	287		<b>17 0001 2580</b>	GTZ-C 250-13	45	60	16	29	M16	22	M6
KHF 250; KHFF 250	40 - 81	251		<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	78 - 121	251		<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	127 - 171	255		<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	174 - 218	290		<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
KHL 250; KV3 250	47 - 104	325		<b>17 0001 2540</b>	GTZ-C 250-9	45	60	16	29	M16	22	M6
	93 - 125	268		<b>17 0001 2550</b>	GTZ-C 250-10	45	60	16	29	M16	22	M6
	125 - 157	268		<b>17 0001 2560</b>	GTZ-C 250-11	45	60	16	29	M16	22	M6
	159 - 192	268		<b>17 0001 2570</b>	GTZ-C 250-12	45	60	16	29	M16	22	M6
	193 - 226	290		<b>17 0001 2580</b>	GTZ-C 250-13	45	60	16	29	M16	22	M6
<b>ab Ø 315mm / from Ø 315mm</b>												
HES 315; HESF 315	44 - 130	331		<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	100 - 187	332		<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	165 - 253	332		<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	229 - 317	392		<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
KF3 315 <sup>2)</sup>	44 - 122	323		<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	63 - 179	324		<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	108 - 245	324		<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	172 - 309	384		<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
KH 315	50 - 164	387		<b>17 0001 2540</b>	GTZ-C 250-9	45	60	16	29	M16	22	M6
	122 - 185	329		<b>17 0001 2550</b>	GTZ-C 250-10	45	60	16	29	M16	22	M6
	154 - 218	329		<b>17 0001 2560</b>	GTZ-C 250-11	45	60	16	29	M16	22	M6
	189 - 253	329		<b>17 0001 2570</b>	GTZ-C 250-12	45	60	16	29	M16	22	M6
	223 - 287	351		<b>17 0001 2580</b>	GTZ-C 250-13	45	60	16	29	M16	22	M6
KHF 315; KHFF 315	44 - 125	326		<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	94 - 182	327		<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	158 - 248	327		<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	222 - 312	387		<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8

# Krallenbacken Außenspannung

Hard claw jaws for O.D. clamping

Verzahnung 1/16"x90°

Serration 1/16"x90

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass		Index/Id.-No	Typ/Type	B	C	D	E	Schrauben Screws	P	R
		Swing diameter										
KHL 315; KV3 315	47 – 167	390		<b>17 0001 2540</b>	GTZ-C 250-9	45	60	16	29	M16	22	M6
	119 – 188	332		<b>17 0001 2550</b>	GTZ-C 250-10	45	60	16	29	M16	22	M6
	151 – 221	332		<b>17 0001 2560</b>	GTZ-C 250-11	45	60	16	29	M16	22	M6
	185 – 256	332		<b>17 0001 2570</b>	GTZ-C 250-12	45	60	16	29	M16	22	M6
	219 – 290	354		<b>17 0001 2580</b>	GTZ-C 250-13	45	60	16	29	M16	22	M6

2) auch mit Kreuzversatz erhältlich

2) Chuck is also available with tongue/groove connection

# Krallenbacken Außenspannung

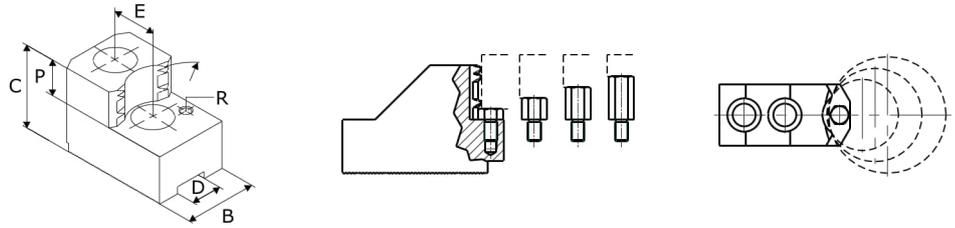
Hard claw jaws for O.D. clamping

Verzahnung 3/32"x90°

Serration 3/32"x90

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 400mm / from Ø 400mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ/Type	B	C	D	E	Schrauben P R		
									Screws	P	R
HES 400; HESF 400	67 - 157	421	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	141 - 232	421	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	224 - 316	438	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	295 - 387	481	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
KF3 400 <sup>2)</sup>	54 - 157	421	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	101 - 232	421	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	182 - 316	438	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	252 - 387	481	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
KHF 400	57 - 158	422	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	131 - 233	422	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	213 - 317	439	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	284 - 388	482	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
KHFF 400	57 - 156	420	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	131 - 231	420	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	213 - 315	437	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	284 - 386	480	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
<b>ab Ø 500mm / from Ø 500mm</b>											
HES 500; HESF 500	90 - 260	525	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	165 - 335	525	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	248 - 420	542	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	319 - 491	585	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	398 - 571	670	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
KF3 500 <sup>2)</sup>	66 - 258	523	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	140 - 333	523	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	223 - 418	540	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	294 - 489	583	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	373 - 569	668	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
KHF 500	57 - 257	522	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	131 - 332	522	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	213 - 417	539	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	284 - 488	582	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	363 - 568	667	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
KHFF 500	57 - 255	520	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	131 - 330	520	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	213 - 415	537	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	284 - 486	580	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	363 - 566	665	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8

# Krallenbacken Außenspannung

Hard claw jaws for O.D. clamping

Verzahnung 3/32"x90°

Serration 3/32"x90

Futtertyp/Chuck type ab Ø 630mm / from Ø 630mm	Durchmesser Clamping range	Swing diameter	Index/Id.-No	Typ/Type	B	C	D	E	Schrauben Screws	P	R	Durchlass
HES 630; HESF 630	103 – 366	656	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8	
	202 – 466	656	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8	
	286 – 550	673	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8	
	357 – 621	716	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8	
	436 – 701	801	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8	
KF3 630 <sup>2)</sup>	63 – 367	657	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8	
	140 – 467	657	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8	
	223 – 551	674	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8	
	294 – 622	717	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8	
	373 – 702	802	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8	
KHF 630	86 – 362	652	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8	
	184 – 462	652	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8	
	268 – 546	669	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8	
	339 – 617	712	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8	
	418 – 697	797	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8	
KHFF 630	86 – 360	650	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8	
	184 – 460	650	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8	
	268 – 544	667	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8	
	339 – 615	710	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8	
	418 – 695	795	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8	

2) auch mit Kreuzversatz erhältlich

2) Chuck is also available with tongue/groove connection

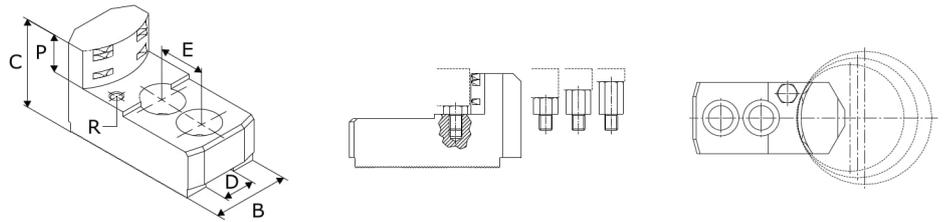
# Krallenbacken Innenspannung

Hard claw jaws for I.D. clamping

Verzahnung 1/16" x 90°

Serration 1/16" x 90

Stahl 16MnCr5, gehärtet  
Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 160mm / from Ø 160mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ/Type	B	C	D	E	Schrauben Screws	P	R
HES 160; HESF 160	52 - 64	162	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 - 77	163	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	83 - 97	164	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	93 - 117	167	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
KF3 160 <sup>2)</sup>	52 - 56	153	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 - 69	154	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	83 - 88	155	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	93 - 108	158	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
<b>ab Ø 200mm / from Ø 200mm</b>											
HES 200; HESF 200	58 - 91	207	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	83 - 120	208	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	115 - 151	208	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
KF3 200 <sup>2)</sup>	58 - 85	200	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	76 - 113	201	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	92 - 145	201	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
KHF 200; KHFF 200	58 - 90	206	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	80 - 119	207	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	111 - 150	207	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
<b>ab Ø 250mm / from Ø 250mm</b>											
HES 250; HESF 250	76 - 115	262	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	104 - 156	262	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	149 - 201	256	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
KF3 250 <sup>2)</sup>	76 - 108	255	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	99 - 149	255	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	124 - 194	249	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
KHF 250; KHFF 250	76 - 110	257	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	109 - 151	257	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	153 - 196	251	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
<b>ab Ø 315mm / from Ø 315mm</b>											
HES 315; HESF 315	78 - 151	330	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 - 205	330	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	192 - 279	330	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
KF3 315 <sup>2)</sup>	78 - 143	322	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 - 197	322	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	170 - 271	322	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
KHF 315; KHFF 315	78 - 146	325	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 - 200	325	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	185 - 274	325	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8

2) auch mit Kreuzversatz erhältlich

2) Chuck is also available with tongue/groove connection

# Krallenbacken Innenspannung

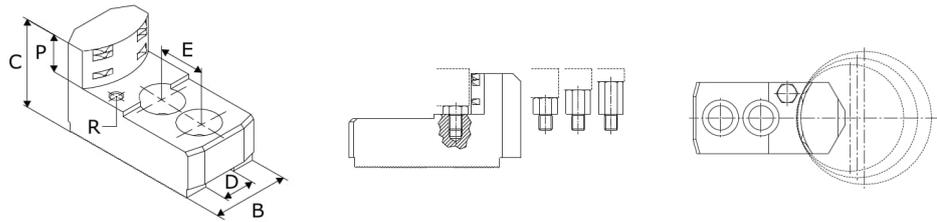
## Hard claw jaws for I.D. clamping

Verzahnung 3/32"x90°

Serration 3/32"x90

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 400mm / from Ø 400mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ/Type	B	C	D	E	Schrauben P R		
									Screws		
HES 400; HESF 400	98 – 184	414	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	173 – 263	421	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	252 – 344	421	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	315 – 407	452	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KF3 400 <sup>2)</sup>	98 – 184	414	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	149 – 263	421	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	210 – 344	421	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	272 – 407	452	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KHF 400	98 – 185	415	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	163 – 264	422	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	241 – 345	422	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	304 – 408	453	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KHFF 400	98 – 183	413	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	163 – 262	420	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	241 – 343	420	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	304 – 406	451	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
<b>ab Ø 500mm / from Ø 500mm</b>											
HES 500; HESF 500	122 – 284	525	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	196 – 367	525	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	276 – 447	525	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	338 – 511	556	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KF3 500 <sup>2)</sup>	122 – 282	523	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	172 – 365	523	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	251 – 445	523	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	314 – 509	554	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KHF 500	122 – 281	522	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	163 – 364	522	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	241 – 444	522	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	304 – 508	553	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KHFF 500	122 – 279	520	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	163 – 362	520	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	241 – 442	520	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	304 – 506	551	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
<b>ab Ø 630mm / from Ø 630mm</b>											
HES 630; HESF 630	152 – 414	656	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	233 – 497	656	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	313 – 578	656	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	376 – 641	687	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8

## Krallenbacken Innenspannung

Verzahnung 3/32"x90°

Hard claw jaws for I.D. clamping

Serration 3/32"x90

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass		Index/Id.-No	Typ/Type	B	C	D	E	Schrauben Screws	P	R
		Swing diameter										
KF3 630 <sup>2)</sup>	122 - 415	657		<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	172 - 498	657		<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	251 - 579	657		<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	314 - 642	688		<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KHF 630	135 - 410	652		<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	215 - 493	652		<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	295 - 574	652		<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	358 - 637	683		<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KHFF 630	135 - 409	650		<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	215 - 491	650		<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	295 - 572	650		<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	358 - 635	681		<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8

2) auch mit Kreuzversatz erhältlich

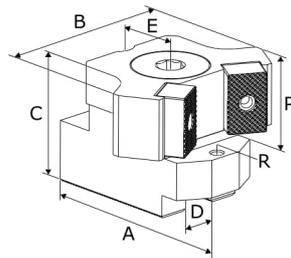
2) Chuck is also available with tongue/groove connection

# Pendelbacken

## Pendulum jaws

Verzahnung 1/16" x 90°

Serration 1/16" x 90°



Pendelbacken ermöglichen sicheres Spannen dünnwandiger und verformungsgefährdeter Werkstücke

Die Befestigung erfolgt mit einzelnen Nutensteinen

Nutensteine müssen separat bestellt werden

Pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation

Fastening is done using single T-Nuts

T-Nuts must be ordered separately

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
<b>ab Ø 200mm / from Ø 200mm</b>												
HES 200; HESF 200	56 – 75	206	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 77	206	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	86 – 105	227	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	112 – 131	227	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
KF3 200 <sup>2)</sup>	51 – 69	199	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 71	199	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	84 – 99	220	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	99 – 125	220	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
KHF 200; KHFF 200	53 – 74	205	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 76	205	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	84 – 105	226	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	109 – 130	226	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
<b>ab Ø 250mm / from Ø 250mm</b>												
HES 250; HESF 250	56 – 92	259	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	69 – 98	259	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 102	259	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	115 – 151	277	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	127 – 163	277	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
KF3 250 <sup>2)</sup>	53 – 86	252	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	69 – 92	252	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	98 – 145	270	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	114 – 157	270	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
KHF 250; KHFF 250	60 – 88	254	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	69 – 94	254	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	119 – 147	272	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	131 – 159	272	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
<b>ab Ø 315mm / from Ø 315mm</b>												
HES 315; HESF 315	74 – 120	325	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 154	325	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	151 – 217	343	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	161 – 227	344	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
KF3 315 <sup>2)</sup>	64 – 120	317	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 147	317	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	115 – 210	335	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 – 220	336	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
KHF 315; KHFF 315	68 – 120	320	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 150	320	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	145 – 213	338	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 – 223	339	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6

2) auch mit Kreuzversatz erhältlich

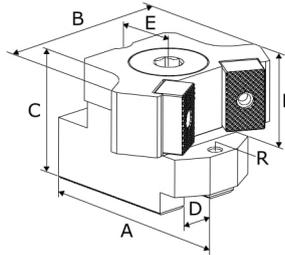
2) Chuck is also available with tongue/groove connection

# Pendelbacken

## Pendulum jaws

Verzahnung 3/32" x 90°

Serration 3/32" x 90°



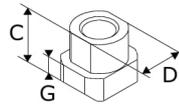
Futtertyp/Chuck type ab Ø 400mm / from Ø 400mm	Durchmesser	Durchlass	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
	Clamping range	Swing diameter										
HES 400; HESF 400	119 - 182	406	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	184 - 242	432	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 - 272	432	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	284 - 347	528	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
KF3 400 <sup>2)</sup>	109 - 182	406	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	160 - 242	432	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 - 272	432	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	252 - 347	528	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
KHF 400	109 - 183	407	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	175 - 243	433	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 - 273	433	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	275 - 348	529	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
KHFF 400	109 - 181	405	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	175 - 241	431	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 - 271	431	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	275 - 346	527	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8

2) auch mit Kreuzversatz erhältlich

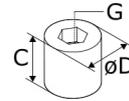
2) Chuck is also available with tongue/groove connection

# T-Nutensteine

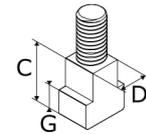
## T-Nuts



**Ausführung 1**  
Version 1



**Ausführung 11**  
Version 11



**Ausführung 12**  
Version 12

Futtertyp/Chuck type ab Ø 110mm / from Ø 110mm	Index/Id.-No	Typ/Type	C	D	Schrauben Screws	G	Max. Anzugsmoment Nm Max. tightening torque Nm		Ausführung Version
KH 110; KH2 110	<b>17 0000 5280</b>	WTS 9-1	17,3	8	M9x1	7	45	12	
	<b>17 0000 5330</b>	WTN 9	13	13	M9x1	SW 6	45	11	
<b>ab Ø 130mm / from Ø 130mm</b>									
KF2 130; KF3 130	<b>17 0000 6000</b>	WTS 12-1	17,2	12	M8x20	7	30	1	
KH 140; KH2 140	<b>17 0000 5290</b>	WTS 10-2	20,3	10	M10	9,3	60	12	
	<b>17 0000 5340</b>	WTN 10	16	16	M10	SW 8	60	11	
<b>ab Ø 160mm / from Ø 160mm</b>									
HES 160; HESF 160	<b>17 0001 2350</b>	WTS 17-11	22	17	M12x30	9	70	1	
KF3 160; KFN2 160	<b>17 0001 2350</b>	WTS 17-11	22	17	M12x30	9	70	1	
KH 160	<b>17 0000 5290</b>	WTS 10-2	20,3	10	M10	9,3	60	12	
	<b>17 0000 5340</b>	WTN 10	16	16	M10	SW 8	60	11	
KH 175	<b>17 0000 5300</b>	WTS 12-6	23,2	12	M12	9	100	12	
	<b>17 0000 5350</b>	WTN 12	19	17,8	M12	SW 10	100	11	
KHL 160; KHL2 160; KV2 160; KV3 160	<b>17 0000 5290</b>	WTS 10-2	20,3	10	M10	9,3	60	12	
	<b>17 0000 5340</b>	WTN 10	16	16	M10	SW 8	60	11	
<b>ab Ø 200mm / from Ø 200mm</b>									
HES 200; HESF 200	<b>17 0001 2350</b>	WTS 17-11	22	17	M12x30	9	70	1	
KF3 200; KFN2 200	<b>17 0001 2350</b>	WTS 17-11	22	17	M12x30	9	70	1	
KH 200; KH2 200	<b>17 0000 5300</b>	WTS 12-6	23,2	12	M12	9	100	12	
	<b>17 0000 5350</b>	WTN 12	19	17,8	M12	SW 10	100	11	
KHF 200; KHFF 200	<b>17 0001 2350</b>	WTS 17-11	22	17	M12x30	9	70	1	
KHL 200; KHL2 200; KV2 200; KV3 200	<b>17 0000 5300</b>	WTS 12-6	23,2	12	M12	9	100	12	
	<b>17 0000 5350</b>	WTN 12	19	17,8	M12	SW 10	100	11	
<b>ab Ø 250mm / from Ø 250mm</b>									
HES 250; HESF 250	<b>17 0001 2360</b>	WTS 21-9	27	21	M16x35	10	150	1	
KF3 250; KFN2 250	<b>17 0001 2360</b>	WTS 21-9	27	21	M16x35	10	150	1	
KH 250; KH2 250	<b>17 0000 5310</b>	WTS 16-4	26,7	16	M16	12	250	12	
	<b>17 0000 5360</b>	WTN 16	25	24,5	M16	SW 14	250	11	
KHF 250; KHFF 250	<b>17 0001 2360</b>	WTS 21-9	27	21	M16x35	10	150	1	
KHL 250; KHL2 250; KV2 250; KV3 250	<b>17 0000 5310</b>	WTS 16-4	26,7	16	M16	12	250	12	
	<b>17 0000 5360</b>	WTN 16	25	24,5	M16	SW 14	250	11	
<b>ab Ø 315mm / from Ø 315mm</b>									
HES 315; HESF 315	<b>17 0001 2360</b>	WTS 21-9	27	21	M16x35	10	150	1	
KF3 315; KFN2 315	<b>17 0001 2360</b>	WTS 21-9	27	21	M16x35	10	150	1	
KH 315; KH2 315	<b>17 0000 5310</b>	WTS 16-4	26,7	16	M16	12	250	12	
	<b>17 0000 5360</b>	WTN 16	25	24,5	M16	SW 14	250	11	
KHF 315; KHFF 315	<b>17 0001 2360</b>	WTS 21-9	27	21	M16x35	10	150	1	
KHL 315; KHL2 315; KV2 315; KV3 315	<b>17 0000 5310</b>	WTS 16-4	26,7	16	M16	12	250	12	
	<b>17 0000 5360</b>	WTN 16	25	24,5	M16	SW 14	250	11	

## T-Nutensteine

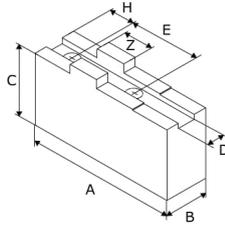
## T-Nuts

Futtertyp/Chuck type ab Ø 400mm / from Ø 400mm	Index/Id.-No	Typ/Type	C	D	Schrauben Screws	G	Max. Anzugsmoment Nm		Ausführung Version
							Max. tightening torque Nm		
HES 400; HESF 400	<b>17 0001 2370</b>	WTS 25,5-12	35,5	25,5	M20x50	16	300	1	
KF3 400	<b>17 0001 2370</b>	WTS 25,5-12	35,5	25,5	M20x50	16	300	1	
KH 400	<b>17 0000 5320</b>	WTS 20-2	32,7	20	M20	16	300	12	
	<b>17 0000 5370</b>	WTN 20	32	32	M20	SW 17	300	11	
KHF 400	<b>17 0001 2370</b>	WTS 25,5-12	35,5	25,5	M20x50	16	300	1	
KHFF 400	<b>17 0001 1270</b>	WTS 25,5-4	33,7	25,5	M20x45	15,5	220	1	
KHL 400; KHL2 400; KV2 400; KV3 400	<b>17 0000 5320</b>	WTS 20-2	32,7	20	M20	16	300	12	
	<b>17 0000 5370</b>	WTN 20	32	32	M20	SW 17	300	11	
<b>ab Ø 500mm / from Ø 500mm</b>									
HES 500; HESF 500	<b>17 0001 2370</b>	WTS 25,5-12	35,5	25,5	M20x50	16	300	1	
KF3 500	<b>17 0001 2370</b>	WTS 25,5-12	35,5	25,5	M20x50	16	300	1	
KH 500	<b>17 0000 5320</b>	WTS 20-2	32,7	20	M20	16	300	12	
	<b>17 0000 5370</b>	WTN 20	32	32	M20	SW 17	300	11	
KHF 500	<b>17 0001 2370</b>	WTS 25,5-12	35,5	25,5	M20x50	16	300	1	
KHFF 500	<b>17 0001 1270</b>	WTS 25,5-4	33,7	25,5	M20x45	15,5	220	1	
<b>ab Ø 630mm / from Ø 630mm</b>									
HES 630; HESF 630	<b>17 0001 2370</b>	WTS 25,5-12	35,5	25,5	M20x50	16	300	1	
KF3 630	<b>17 0001 2370</b>	WTS 25,5-12	35,5	25,5	M20x50	16	300	1	
KH 630	<b>17 0000 5320</b>	WTS 20-2	32,7	20	M20	16	300	12	
	<b>17 0000 5370</b>	WTN 20	32	32	M20	SW 17	300	11	
KHF 630	<b>17 0001 2370</b>	WTS 25,5-12	35,5	25,5	M20x50	16	300	1	
KHFF 630	<b>17 0001 1270</b>	WTS 25,5-4	33,7	25,5	M20x45	15,5	220	1	

# Weiche Aufsatzbacken

## Soft top jaws

Metrische Kreuzversatz  
Metric tongue and groove



### Futtertyp/Chuck type

Metrische Kreuzversatz/Metric tongue and groove

Index/Id.-No

Typ/Type

A

B

C

D

E

Schrauben

H

Z

Screws

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	Z
KHNC 140	<b>17 0000 2630</b>	MKS-RM 140-1	70	20	40	8	32	M8	18	18
KHNC 160; KHNC 185	<b>17 0000 2640</b>	MKS-RM 160-1	85	20	40	8	32	M8	18	18
KHNC 200	<b>17 0000 2650</b>	MKS-RM 200-1	105	25	50	10	40	M8	25	20
KHNC 250; KHNC 315	<b>17 0000 2660</b>	MKS-RM 250-5	125	30	60	12	40	M12	25	20
KHNC 400	<b>17 0000 2670</b>	MKS-RM 315-1	140	35	60	12	54	M12	30	26
KHNC 500	<b>17 0000 2680</b>	MKS-RM 400-1	180	50	80	18	60	M16	35	30

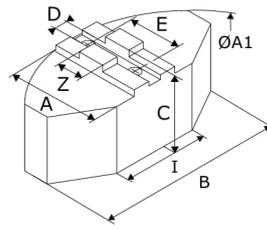
# Segmentbacken

Soft full grip jaws

Metrische Kreuzversatz

Metric tongue and groove

Stahl / Steel C45



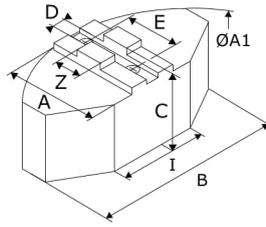
Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	Z	I	A1
KHNC 160; KHNC 185	<b>17 0000 2750</b>	GPS-RM 160-1	60	120	50	8	32	M8	16	18	40	160
KHNC 200	<b>17 0000 2760</b>	GPS-RM 200-1	70	140	60	10	40	M8	17	20	65	200
KHNC 250; KHNC 315	<b>17 0000 2770</b>	GPS-RM 250-1	90	180	60	12	40	M12	34	20	70	250
KHNC 400	<b>17 0000 2780</b>	GPS-RM 315-1	110	240	75	12	54	M12	40	26	120	320
KHNC 500	<b>17 0000 2790</b>	GPS-RM 400-1	160	330	85	18	60	M16	80	30	150	440

# Segmentbacken

Soft full grip jaws

Metrische Kreuzversatz  
Metric tongue and groove

Aluminium / Aluminum



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	Z	I	A1
KHNC 160; KHNC 185	<b>17 0000 2800</b>	GPA-RM 160-1	60	120	50	8	32	M8	16	18	40	160
KHNC 200	<b>17 0000 2810</b>	GPA-RM 200-1	70	140	60	10	40	M8	17	20	65	200
KHNC 250; KHNC 315	<b>17 0000 2820</b>	GPA-RM 250-1	90	180	60	12	40	M12	34	20	70	250
KHNC 400	<b>17 0000 2830</b>	GPA-RM 315-1	110	240	75	12	54	M12	40	26	120	320

# BISON

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	60°	Stahl/Steel 111
		Aluminium/Aluminum 113
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		Aluminium/Aluminum 117
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# Weiche Aufsatzbacken

## Soft top jaws

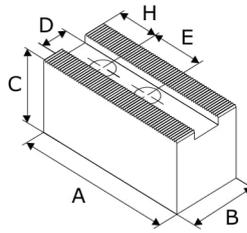
Verzahnung 90°

Serration 90°

Stahl/Steel C45

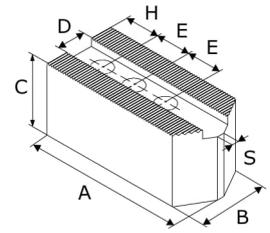
**Ausführung 1**

**Version 1**



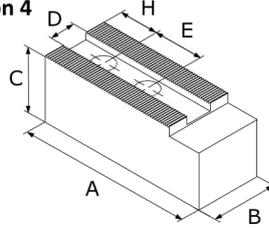
**Ausführung 3**

**Version 3**



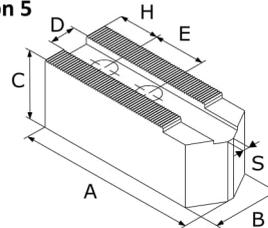
**Ausführung 4**

**Version 4**



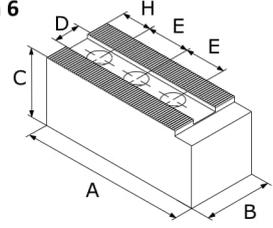
**Ausführung 5**

**Version 5**



**Ausführung 6**

**Version 6**



**Futtertyp/Chuck type**

Verzahnung 1/16"x90° / Serration 1/16"x90°

	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
2409-130-32	<b>17 0000 5990</b>	MTS-C 130-1	55	25	30	10	12	M6	11	3	3
2409-160-46	<b>17 0000 2980</b>	MTS-C 160-3	56	26	38	12	18	M10	11	4	5
2404-160; 2404-160 M; 2405-160 M; 2405-160-45; 2405-160-53; 2409-200-66; 2488-160; 2502-160-38	<b>17 0000 2990</b>	MTS-C 160-4	65	40	40	17	24	M12	15	5	5
2101-160 M <sup>3)</sup> ; 2104-160 <sup>3)</sup> ; 2105-160-45 <sup>3)</sup> ; 2604-160 <sup>12)</sup> ; 2604-160 M <sup>12)</sup> ; 2605-160-45 <sup>12)</sup>	<b>17 0000 8910</b>	2MKS-C 160-2	65	40	40	17	24	M12	15	-	1
2404-200; 2404-200 M; 2405-200 M; 2405-200-52; 2405-200-52A; 2405-200-66; 2409-250-91; 2409-315-91; 2488-200; 2502-200-52	<b>17 0000 3000</b>	MTS-C 200-2	95	40	40	17	24	M12	15	12	5
2101-200 M <sup>3)</sup> ; 2104-200 <sup>3)</sup> ; 2105-200-52 <sup>3)</sup> ; 2105-200-52A <sup>3)</sup> ; 2604-200 <sup>12)</sup> ; 2604-200 M <sup>12)</sup> ; 2605-200-52 <sup>12)</sup> ; 2605-200-52A <sup>12)</sup>	<b>17 0000 8920</b>	2MKS-C 200-2	95	40	40	17	24	M12	15	-	1
2101-215 G+H <sup>3)</sup>	<b>17 0000 6990</b>	2MKS-C 200-1	95	80	80	21	28	M16	22	-	1
2404-250; 2404-250 M; 2405-250 M; 2405-250-75; 2405-250-81; 2405-250-75A; 2409-315/300; 2488-250; 2502-250-65; 2502-250-68	<b>17 0000 3010</b>	MTS-C 250-5	105	50	50	21	28	M16	20	15	5
2101-250 M <sup>3)</sup> ; 2104-250 <sup>3)</sup> ; 2105-250-75 <sup>3)</sup> ; 2105-250-75A <sup>3)</sup> ; 2604-250 <sup>12)</sup> ; 2604-250 M <sup>12)</sup> ; 2605-250-75 <sup>12)</sup> ; 2605-250-75A <sup>12)</sup>	<b>17 0000 8930</b>	2MKS-C 250-2	105	50	50	21	28	M16	20	-	1
2404-315; 2404-315 M; 2405-315 M; 2405-315-91; 2405-315-95A; 2405-315-110; 2409-315/300; 2488-315; 2502-315-105	<b>17 0000 3020</b>	MTS-C 315-3	110	50	50	21	28	M16	20	20	5
2101-315 M <sup>3)</sup> ; 2104-315 <sup>3)</sup> ; 2105-315-91 <sup>3)</sup> ; 2105-315-95A <sup>3)</sup> ; 2604-315 <sup>12)</sup> ; 2604-315 M <sup>12)</sup> ; 2605-315-91 <sup>12)</sup> ; 2605-315-95A <sup>12)</sup>	<b>17 0000 8940</b>	2MKS-C 315-2	110	50	50	21	28	M16	20	-	1

# Weiche Aufsatzbacken

Verzahnung 90°

## Soft top jaws

Serration 90°

Futtertyp/Chuck type Verzahnung 3/32"x90° / Serration 3/32"x90°	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
2404-400; 2404-400 M; 2404-500; 2404-500 M; 2405-400 M; 2405-400-120; 2405-400-120A; 2405-500 M; 2405-500-160; 2405-500-160A; 2500-400-140; 2500-400-140 ZW; 2500-500-220; 2502-400-140	<b>17 0000 8890</b>	MKS-C 400-5	140	60	60	25,5	35	M20	25	-	4
2404-630; 2404-630 M; 2404-800; 2404-800 M; 2405-630 M; 2405-630-200; 2405-630-200A; 2405-800-255; 2405-800-255A; 2500-500-230; 2500-630-325; 2500-800-375; 2500-1000-560; 2502-500-230; 2502-630-330; 2502-800-365; 2502-800-410; 2502-1000-560	<b>17 0000 8900</b>	MKS-C 600-3	170	70	70	25,5	43	M20	27	-	6

3) Zweibackenfutter

3) 2-jaw chuck

12) 4-Backenfutter – bitte 2 Sätze bestellen

12) 4-jaw chuck – please order 2 sets per 2 pcs

# Weiche Aufsatzbacken

## Soft top jaws

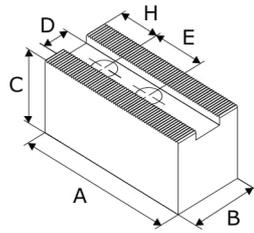
Verzahnung 90°

Serration 90°

Aluminium / Aluminum

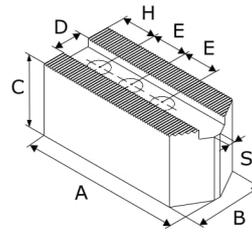
Ausführung 1

Version 1



Ausführung 3

Version 3



Futtertyp/Chuck type Verzahnung 1/16"x90° / Serration 1/16"x90°	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
2409-130-32	<b>17 0000 7020</b>	MTA-C 130-1	53	25	45	10	12	M6	9	3	3
2405-160-45A	<b>17 0000 6260</b>	MKA-C 160-2	80	35	60	14	20	M10	15	-	1
2404-160 <sup>7)</sup> ; 2404-160 M <sup>7)</sup> ; 2405-160 M <sup>7)</sup> ; 2405-160-45 <sup>7)</sup> ; 2405-160-53 <sup>7)</sup> ; 2409-200-66 <sup>7)</sup> ; 2488-160 <sup>7)</sup> ; 2502-160-38 <sup>7)</sup>	<b>17 0000 6270</b>	MKA-C 165-1	70	40	60	17	22	M12	15	-	1
2404-200; 2404-200 M; 2405-200 M; 2405-200-52; 2405-200-52A; 2405-200-66; 2409-250-91; 2409-315-91; 2488-200; 2502-200-52	<b>17 0000 6280</b>	MKA-C 200-2	90	40	60	17	22	M12	25	-	1
2404-250; 2404-250 M; 2404-315; 2404-315 M; 2405-250 M; 2405-250-75; 2405-250-75A; 2405-250-81; 2405-315 M; 2405-315-91; 2405-315-95A; 2405-315-110; 2409-315/300; 2488-250; 2488-315; 2502-250-65; 2502-250-68; 2502-315-105	<b>17 0000 6290</b>	MKA-C 250-1	125	50	80	21	28	M16	30	-	1
<b>Verzahnung 3/32"x90° / Serration 3/32"x90°</b>											
2404-400; 2404-400 M; 2404-500; 2404-500 M; 2404-630; 2404-630 M; 2404-800; 2404-800 M; 2405-400 M; 2405-400-120; 2405-400-120A; 2405-500 M; 2405-500-160; 2405-500-160A; 2405-630 M; 2405-630-200; 2405-630-200A; 2405-800-255; 2405-800-255A; 2500-400-140; 2500-400-140 ZW; 2500-500-220; 2500-500-230; 2500-630-325; 2500-800-375; 2500-1000-560; 2502-400-140; 2502-500-230; 2502-630-330; 2502-800-365; 2502-800-410; 2502-1000-560	<b>17 0000 7050</b>	MKA-C 400-1	155	60	100	25,5	35	M20	30	-	1

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

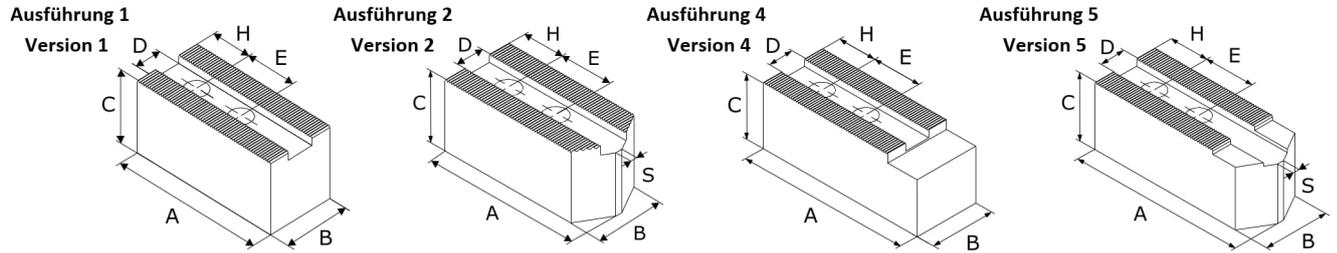
# Weiche Aufsatzbacken

Verzahnung 60°

Serration 60°

## Soft top jaws

Stahl / Steel C45



Futtertyp / Chuck type Verzahnung 1.5mmx60° / Serration 1.5mmx60°	Index / Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
2404-135K; 2405-135-34K	<b>17 0000 7060</b>	MTS-M 110-1	55	25	32	10	14	M8	13	4	2
	<b>17 0000 4010</b>	MTS-M 110-3	55	22	47	10	14	M8	13	4	2
2104-135K <sup>3)</sup> ; 2105-135-34K <sup>3)</sup> ; 2604-135K <sup>12)</sup> ; 2605-135-34K <sup>12)</sup>	<b>17 0000 7240</b>	2MKS-M 110-1	55	25	50	10	14	M8	13	-	1
2404-160K; 2405-160-45K; 2405-160-53K	<b>17 0000 7810</b>	MKS-M 165-1	72	32	32	12	20	M10	15	-	1
	<b>17 0001 1630</b>	MKS-M 165-2	72	35	60	12	20	M10	15	-	1
	<b>17 0000 0840</b>	MTS-M 165-3	75	30	30	12	20	M10	15	13	2
	<b>17 0000 0850</b>	MTS-M 165-4	81	30	30	12	20	M10	15	13	2
	<b>17 0000 7820</b>	MTS-M 165-1	82	32	32	12	20	M10	15	4	5
<b>17 0001 1760</b>	MTS-M 165-2	82	35	60	12	20	M10	15	4	5	
2104-160K <sup>3)</sup> ; 2105-160-45K <sup>3)</sup> ; 2604-160K <sup>12)</sup> ; 2605-160-45K <sup>12)</sup>	<b>17 0000 7260</b>	2MKS-M 165-1	72	35	60	12	20	M10	15	-	1
2404-200K; 2405-200-52K; 2405-200-66K	<b>17 0000 0860</b>	MTS-M 210-4	95	35	35	14	25	M12	20	15	2
	<b>17 0000 7830</b>	MKS-M 210-1	95	35	40	14	25	M12	24	-	1
	<b>17 0001 1640</b>	MKS-M 210-2	95	35	60	14	25	M12	24	-	1
	<b>17 0001 1650</b>	MKS-M 210-3	95	40	80	14	25	M12	24	-	1
	<b>17 0000 4750</b>	MKS-M 210-4	95	40	100	14	25	M12	24	-	1
	<b>17 0000 7840</b>	MTS-M 210-1	102	35	40	14	25	M12	20	4	5
	<b>17 0000 0880</b>	MTS-M 210-5	102	35	40	14	25	M12	20	15	2
	<b>17 0000 4760</b>	MTS-M 210-2	102	40	80	14	25	M12	20	4	5
<b>17 0000 4770</b>	MTS-M 210-3	102	40	100	14	25	M12	20	4	5	
2104-200K <sup>3)</sup> ; 2105-200-52K <sup>3)</sup> ; 2604-200K <sup>12)</sup> ; 2605-200-52K <sup>12)</sup>	<b>17 0000 7270</b>	2MKS-M 210-1	95	40	60	14	25	M12	24	-	1
2404-250K; 2405-250-75K; 2405-250-81K	<b>17 0000 7080</b>	MKS-M 250-6	90	40	60	16	30	M12	15	-	1
	<b>17 0000 7090</b>	MKS-M 250-7	90	50	80	16	30	M12	15	-	1
	<b>17 0000 0890</b>	MTS-M 250-4	110	40	40	16	30	M12	20	17	2
	<b>17 0000 7850</b>	MKS-M 250-1	110	40	42	16	30	M12	30	-	1
	<b>17 0000 7860</b>	MKS-M 250-2	110	40	60	16	30	M12	30	-	1
	<b>17 0000 1200</b>	MTS-M 250-5	110	40	60	16	30	M12	20	17	2
	<b>17 0001 1660</b>	MKS-M 250-3	110	40	80	16	30	M12	30	-	1
	<b>17 0001 1670</b>	MKS-M 250-4	120	40	100	16	30	M12	30	-	1
	<b>17 0000 1230</b>	MKS-M 250-5	120	40	120	16	30	M12	30	-	1
	<b>17 0000 7100</b>	MKS-M 250-8	120	50	50	16	30	M12	30	-	1
	<b>17 0001 1600</b>	MTS-M 250-1	125	40	42	16	30	M12	30	4	5
	<b>17 0001 1710</b>	MTS-M 250-2	125	40	60	16	30	M12	30	4	5
<b>17 0000 7070</b>	MTS-M 250-3	125	40	100	16	30	M12	30	4	5	
2104-250K <sup>3)</sup> ; 2105-250-75K <sup>3)</sup> ; 2604-250K <sup>12)</sup> ; 2605-250-75K <sup>12)</sup>	<b>17 0000 7280</b>	2MKS-M 250-1	110	40	80	16	30	M12	30	-	1

# Weiche Aufsatzbacken

Verzahnung 60°

## Soft top jaws

Serration 60°

Futtertyp / Chuck type	Index / Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
2404-315K; 2405-315-91K; 2405-315-110K	<b>17 0001 1610</b>	MKS-M 300-4	129	50	60	21	30	M16	39	-	1
	<b>17 0001 1680</b>	MKS-M 300-5	129	50	80	21	30	M16	39	-	1
	<b>17 0000 1250</b>	MKS-M 300-6	129	50	100	21	30	M16	25	-	1
	<b>17 0000 1260</b>	MKS-M 300-7	129	50	120	21	30	M16	25	-	1
	<b>17 0000 7160</b>	MKS-M 300-9	140	50	100	21	30	M16	30	-	1
	<b>17 0001 1620</b>	MTS-M 300-5	145	50	50	21	30	M16	30	10	5
	<b>17 0000 7170</b>	MTS-M 300-6	145	50	100	21	30	M16	30	10	5
2104-315K <sup>(3)</sup> ; 2105-315-91K <sup>(3)</sup> ; 2604-315K <sup>(12)</sup> ; 2605-315-91K <sup>(12)</sup>	<b>17 0000 7300</b>	2MKS-M 300-2	110	50	60	21	30	M16	21	-	1
2404-400K; 2405-400-120K	<b>17 0000 3050</b>	MKS-M 380-5	135	60	60	25,5	43	M20	26	-	1
	<b>17 0000 4070</b>	MKS-M 380-6	135	60	80	25,5	43	M20	26	-	1
	<b>17 0000 4090</b>	MKS-M 380-7	135	60	120	25,5	43	M20	26	-	1
	<b>17 0000 3070</b>	MKS-M 380-8	165	60	60	25,5	43	M20	37	-	1
	<b>17 0000 4140</b>	MKS-M 380-9	165	60	80	25,5	43	M20	37	-	1
	<b>17 0000 4160</b>	MKS-M 380-10	165	60	120	25,5	43	M20	37	-	1
<b>Verzahnung 3 mm x 60° / Serration 3 mm x 60°</b>											
2404-500K; 2404-630K; 2404-800K; 2405-500-160K; 2405-630-200K; 2405-800-255K	<b>17 0000 7210</b>	MKS-M 530-2	180	75	115	25	60	M20	50	-	1
	<b>17 0000 7220</b>	MKS-M 530-3	180	75	155	25	60	M20	50	-	1
	<b>17 0000 7190</b>	MKS-M 530-4	195	80	80	25	60	M20	50	-	1
	<b>17 0000 3910</b>	MKS-M 530-5	200	70	70	25	60	M20	40	-	1
	<b>17 0000 3920</b>	MKS-M 530-6	250	70	70	25	60	M20	40	-	4

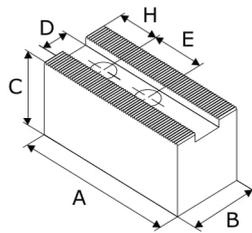
# Weiche Aufsatzbacken

## Soft top jaws

Verzahnung 60°

Serration 60°

Aluminium / Aluminum



Futtertyp / Chuck type Verzahnung 1.5mm x 60° / Serration 1.5mm x 60°	Index / Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
2404-160K; 2405-160-45K; 2405-160-53K	<b>17 0000 7310</b>	MKA-M 165-1	72	35	50	12	20	M10	15	-	1
2404-200K; 2405-200-52K; 2405-200-66K	<b>17 0000 7320</b>	MKA-M 210-1	90	40	60	14	25	M12	20	-	1
2404-250K; 2405-250-75K; 2405-250-81K	<b>17 0000 7330</b>	MKA-M 250-1	110	40	60	16	30	M12	25	-	1
2404-315K; 2405-315-91K; 2405-315-110K	<b>17 0000 7350</b>	MKA-M 300-2	130	50	80	21	30	M16	40	-	1

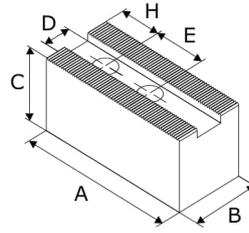
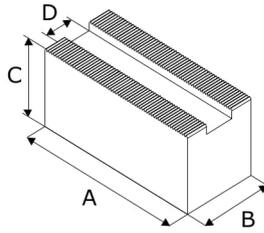
# Weiche Aufsatzbacken gebohrt oder ungebohrt

Soft jaw blanks, without or with bolt holes

Verzahnung 90°

Serration 90°

Stahl / Steel C45



**Ungebohrt**

Without bolt holes

**Geböhrt**

With bolt holes

**Futtertyp / Chuck type**

Verzahnung 1/16"x90° / Serration 1/16"x90°

	Index / Id.-No	Typ/Type	Index / Id.-No	Typ/Type	A	B	C	D
2105-160-45A <sup>3)</sup> ; 2405-160-45A; 2605-160-45A <sup>8)</sup>	<b>17 0000 4800</b>	MBS-C 165-1	<b>17 0000 4801</b>	MWS-C 165-1	80	40	40	14
2101-160 M <sup>3)</sup> ; 2101-200 M <sup>3)</sup> ; 2104-160 <sup>3)</sup> ; 2104-200 <sup>3)</sup> ; 2105-160-45 <sup>3)</sup> ; 2105-200-52 <sup>3)</sup> ; 2105-200-52A <sup>3)</sup> ; 2404-160; 2404-160 M; 2404-200; 2404-200 M; 2405-160 M; 2405-160-45; 2405-160-53; 2405-200 M; 2405-200-52; 2405-200-52A; 2405-200-66; 2409-200-66; 2409-250-91; 2409-315-91; 2488-160; 2488-200; 2502-160-38; 2502-200-52; 2604-160 <sup>8)</sup> ; 2604-160 M <sup>8)</sup> ; 2604-200 <sup>8)</sup> ; 2604-200 M <sup>8)</sup> ; 2605-160-45 <sup>8)</sup> ; 2605-200-52 <sup>8)</sup> ; 2605-200-52A <sup>8)</sup>	<b>17 0000 4810</b>	MBS-C 200-1	<b>17 0000 4811</b>	MWS-C 200-1	70	40	40	17
	<b>17 0000 4820</b>	MBS-C 200-2	<b>17 0000 4821</b>	MWS-C 200-2	70	40	60	17
	<b>17 0000 4830</b>	MBS-C 200-3	<b>17 0000 4831</b>	MWS-C 200-3	90	40	40	17
	<b>17 0000 4840</b>	MBS-C 200-4	<b>17 0000 4841</b>	MWS-C 200-4	90	40	60	17
	<b>17 0000 4850</b>	MBS-C 200-5	<b>17 0000 4851</b>	MWS-C 200-5	90	40	80	17
	<b>17 0000 4860</b>	MBS-C 200-6	<b>17 0000 4861</b>	MWS-C 200-6	90	40	100	17
	<b>17 0000 4870</b>	MBS-C 200-7	<b>17 0000 4871</b>	MWS-C 200-7	90	40	120	17
	<b>17 0000 4880</b>	MBS-C 200-8	<b>17 0000 4881</b>	MWS-C 200-8	105	40	40	17
	<b>17 0000 4890</b>	MBS-C 200-9	<b>17 0000 4891</b>	MWS-C 200-9	105	40	60	17
2101-215 G+H <sup>3)</sup> ; 2101-250 M <sup>3)</sup> ; 2101-315 M <sup>3)</sup> ; 2104-250 <sup>3)</sup> ; 2104-315 <sup>3)</sup> ; 2105-250-75 <sup>3)</sup> ; 2105-250-75A <sup>3)</sup> ; 2105-315-91 <sup>3)</sup> ; 2105-315-95A <sup>3)</sup> ; 2404-250; 2404-250 M; 2404-315; 2404-315 M; 2405-250 M; 2405-250-75; 2405-250-75A; 2405-250-81; 2405-315 M; 2405-315-91; 2405-315-95A; 2405-315-110; 2409-315/300; 2488-250; 2488-315; 2502-250-65; 2502-250-68; 2502-315-105; 2604-250 <sup>8)</sup> ; 2604-250 M <sup>8)</sup> ; 2604-315 <sup>8)</sup> ; 2604-315 M <sup>8)</sup> ; 2605-250-75 <sup>8)</sup> ; 2605-250-75A <sup>8)</sup> ; 2605-315-91 <sup>8)</sup> ; 2605-315-95A <sup>8)</sup>	<b>17 0000 4900</b>	MBS-C 250-1	<b>17 0000 4901</b>	MWS-C 250-1	90	45	45	21
	<b>17 0000 4910</b>	MBS-C 250-2	<b>17 0000 4911</b>	MWS-C 250-2	90	45	80	21
	<b>17 0000 4920</b>	MBS-C 250-3	<b>17 0000 4921</b>	MWS-C 250-3	110	45	45	21
	<b>17 0000 4930</b>	MBS-C 250-4	<b>17 0000 4931</b>	MWS-C 250-4	110	45	80	21
	<b>17 0000 4940</b>	MBS-C 250-5	<b>17 0000 4941</b>	MWS-C 250-5	125	50	50	21
	<b>17 0000 4950</b>	MBS-C 250-6	<b>17 0000 4951</b>	MWS-C 250-6	125	50	80	21
	<b>17 0000 4960</b>	MBS-C 250-7	<b>17 0000 4961</b>	MWS-C 250-7	125	50	100	21
	<b>17 0000 4970</b>	MBS-C 250-8	<b>17 0000 4971</b>	MWS-C 250-8	125	50	120	21
	<b>17 0000 4980</b>	MBS-C 250-9	<b>17 0000 4981</b>	MWS-C 250-9	140	50	60	21
	<b>17 0000 4990</b>	MBS-C 250-10	<b>17 0000 4991</b>	MWS-C 250-10	140	50	80	21

3) Zweibackenfutter

3) 2-jaw chuck

8) 4-Backenfutter

8) 4-jaw chuck

Für gebohrte Backenrohlinge geben Sie bitte die Maße H und E an

For jaws with bolt holes please indicate H and E dimensions

Nutbreite 14 mm

Bohrung für M10

Mindestwert:

H = 12 mm, E = 16 mm

Nutbreite 17 mm

Bohrung für M12

Mindestwert:

H = 12 mm, E = 19 mm

Slot width 14 mm

bored for M10

Minimum values:

H = 12 mm, E = 16 mm

Slot width 17 mm

bored for M12

Minimum values:

H = 12 mm, E = 19 mm

Nutbreite 21 mm

Bohrung für M16

Mindestwert:

H = 15 mm, E = 25 mm

Slot width 21 mm

bored for M16

Minimum values:

H = 15 mm, E = 25 mm

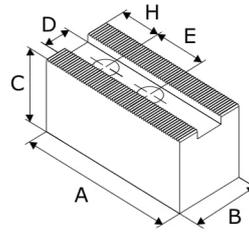
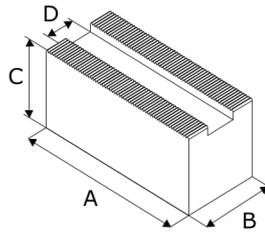
# Weiche Aufsatzbacken gebohrt oder ungebohrt

Soft jaw blanks, without or with bolt holes

Verzahnung 60°

Serration 60°

Stahl / Steel C45



**Ungebohrt**

**Gebohrt**

Without bolt holes

With bolt holes

Futtertyp / Chuck type

Index / Id.-No

Typ/Type

Index / Id.-No

Typ/Type

A

B

C

D

Verzahnung 1,5mm x60° / Serration 1,5mm x60°

2104-135K <sup>3)</sup> ; 2105-135-34K <sup>3)</sup> ; 2404-135K; 2405-135-34K; 2604-135K <sup>8)</sup> ; 2605-135-34K <sup>8)</sup>	<b>17 0000 6540</b>	MBS-M 110-1	<b>17 0000 6541</b>	MWS-M 110-1	55	25	50	10
2104-160K <sup>3)</sup> ; 2105-160-45K <sup>3)</sup> ; 2404-160K; 2405-160-45K; 2405-160-53K; 2604-160K <sup>8)</sup> ; 2605-160-45K <sup>8)</sup>	<b>17 0000 6550</b>	MBS-M 165-1	<b>17 0000 6551</b>	MWS-M 165-1	81	30	60	12
2104-200K <sup>3)</sup> ; 2105-200-52K <sup>3)</sup> ; 2404-200K; 2405-200-52K; 2405-200-66K; 2604-200K <sup>8)</sup> ; 2605-200-52K <sup>8)</sup>	<b>17 0000 5000</b>	MBS-M 210-1	<b>17 0000 5001</b>	MWS-M 210-1	95	35	35	14
	<b>17 0000 5010</b>	MBS-M 210-2	<b>17 0000 5011</b>	MWS-M 210-2	95	40	60	14
	<b>17 0000 5020</b>	MBS-M 210-3	<b>17 0000 5021</b>	MWS-M 210-3	95	40	80	14
	<b>17 0000 5030</b>	MBS-M 210-4	<b>17 0000 5031</b>	MWS-M 210-4	95	40	100	14
	<b>17 0000 5040</b>	MBS-M 210-5	<b>17 0000 5041</b>	MWS-M 210-5	102	40	80	14
	<b>17 0000 5050</b>	MBS-M 210-6	<b>17 0000 5051</b>	MWS-M 210-6	102	40	100	14
2104-250K <sup>3)</sup> ; 2105-250-75K <sup>3)</sup> ; 2404-250K; 2405-250-75K; 2405-250-81K; 2604-250K <sup>8)</sup> ; 2605-250-75K <sup>8)</sup>	<b>17 0000 5060</b>	MBS-M 250-1	<b>17 0000 5061</b>	MWS-M 250-1	110	40	40	16
	<b>17 0000 5070</b>	MBS-M 250-2	<b>17 0000 5071</b>	MWS-M 250-2	110	40	60	16
	<b>17 0000 5080</b>	MBS-M 250-3	<b>17 0000 5081</b>	MWS-M 250-3	110	40	80	16
	<b>17 0000 5090</b>	MBS-M 250-4	<b>17 0000 5091</b>	MWS-M 250-4	110	40	100	16
	<b>17 0000 5100</b>	MBS-M 250-5	<b>17 0000 5101</b>	MWS-M 250-5	129	40	60	16
2104-315K <sup>3)</sup> ; 2105-315-91K <sup>3)</sup> ; 2404-315K; 2405-315-91K; 2405-315-110K; 2604-315K <sup>8)</sup> ; 2605-315-91K <sup>8)</sup>	<b>17 0000 5110</b>	MBS-M 300-1	<b>17 0000 5111</b>	MWS-M 300-1	129	50	80	21
	<b>17 0000 5120</b>	MBS-M 300-2	<b>17 0000 5121</b>	MWS-M 300-2	129	50	100	21
	<b>17 0000 5130</b>	MBS-M 300-3	<b>17 0000 5131</b>	MWS-M 300-3	129	50	120	21

3) Zweibackenfutter

3) 2-jaw chuck

8) 4-Backenfutter

8) 4-jaw chuck

Für gebohrte Backenrohlinge geben Sie bitte die Maße H und E an

For jaws with bolt holes please indicate H and E dimensions

Nutbreite 10 mm  
Bohrung für M8  
Mindestwert:  
H = 8 mm, E = 14 mm

Nutbreite 12 mm  
Bohrung für M10  
Mindestwert:  
H = 12 mm, E = 16 mm

Slot width 10 mm  
bored for M8  
Minimum values:  
H = 8 mm, E = 14 mm

Slot width 12 mm  
bored for M10  
Minimum values:  
H = 12 mm, E = 16 mm

Nutbreite 14 mm  
Bohrung für M12  
Mindestwert:  
H = 12 mm, E = 19 mm

Nutbreite 16 mm  
Bohrung für M12  
Mindestwert:  
H = 12 mm, E = 19 mm

Slot width 14 mm  
bored for M12  
Minimum values:  
H = 12 mm, E = 19 mm

Slot width 15 mm  
bored for M12  
Minimum values:  
H = 12 mm, E = 19 mm

Nutbreite 21 mm  
Bohrung für M16  
Mindestwert:  
H = 15 mm, E = 25 mm

Slot width 21 mm  
bored for M16  
Minimum values:  
H = 15 mm, E = 25 mm

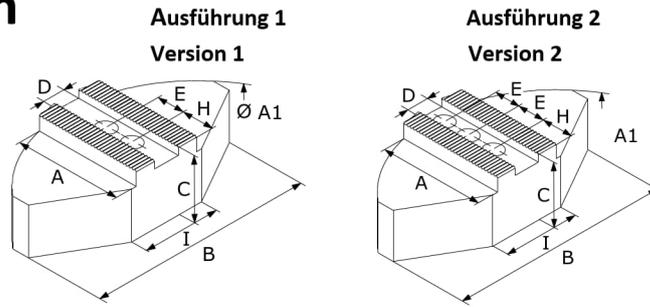
# Segmentbacken

Soft full grip jaws

Verzahnung 90°

Serration 90°

Stahl / Steel C45



Futtertyp / Chuck type	Index / Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	I	A1	Ausführung Version
<b>Verzahnung 1/16" x 90° / Serration 1/16" x 90°</b>												
2409-130-32	<b>17 0000 7370</b>	GPS-C 130-1	50	100	40	10	12	M6	15	35	130	2
2405-160-45A	<b>17 0000 6580</b>	GPS-C 160-3	60	120	60	14	20	M10	25	40	160	1
2404-160 <sup>7)</sup> ; 2404-160 M <sup>7)</sup> ; 2405-160 M <sup>7)</sup> ; 2405-160-45 <sup>7)</sup> ; 2405-160-53 <sup>7)</sup> ; 2488-160 <sup>7)</sup> ; 2502-160-38 <sup>7)</sup>	<b>17 0000 6590</b>	GPS-C 165-1	60	120	60	17	22	M12	25	40	160	1
2404-200; 2404-200 M; 2405-200 M; 2405-200-52; 2405-200-52A; 2405-200-66; 2409-200-66 <sup>7)</sup> ; 2488-200; 2502-200-52	<b>17 0000 1300</b>	GPS-C 200-1	70	140	60	17	22	M12	35	64	200	1
	<b>17 0000 6560</b>	GPS-C 200-2	70	140	75	17	22	M12	35	64	200	1
2409-250-91; 2409-315-91	<b>17 0000 7390</b>	GPS-C 250-1	79	180	60	17	22	M12	44,5	104	250	1
2404-250; 2404-250 M; 2405-250 M; 2405-250-75; 2405-250-75A; 2405-250-81; 2488-250; 2502- 50-65; 2502-250-68	<b>17 0000 1310</b>	GPS-C 250-2	80	180	70	21	28	M16	30	104	250	1
	<b>17 0000 6570</b>	GPS-C 250-3	80	180	100	21	28	M16	30	104	250	1
2404-315; 2404-315 M; 2405-315 M; 2405-315-91; 2405-315-95A; 2405-315-110; 2409-315/300; 2488-315; 2502-315-105	<b>17 0000 1320</b>	GPS-C 315-1	110	240	70	21	28	M16	60	120	320	1
<b>Verzahnung 3/32" x 90° / Serration 3/32" x 90°</b>												
2404-400; 2404-400 M; 2404-500; 2404-500 M; 2404-630; 2404-630 M; 2405-400 M; 2405-400-120; 2405-400-120A; 2405-500 M; 2405-500-160; 2405-500-160A; 2405-630 M; 2405-630-200; 2405-630-200A; 2500-400-140; 2500-400-140 ZW; 2500-500-220; 2500-500-230; 2502-400-140; 2502-500-230	<b>17 0001 1690</b>	GPS-C 400-1	155	330	85	25,5	35	M20	85	150	440	1

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

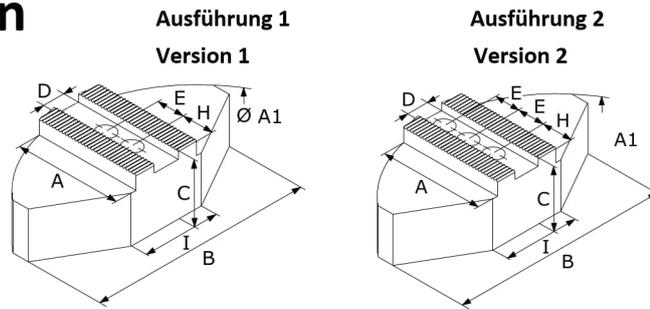
# Segmentbacken

Soft full grip jaws

Verzahnung 90°

Serration 90°

Aluminium / Aluminum



Futtertyp / Chuck type	Index / Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	I	A1	Ausführung Version
<b>Verzahnung 1/16" x 90° / Serration 1/16" x 90°</b>												
2409-130-32	<b>17 0000 7410</b>	GPA-C 130-1	50	100	48	10	12	M6	15	35	130	2
2405-160-45A	<b>17 0000 6300</b>	GPA-C 160-2	59,5	120	58	14	20	M10	25	40	165	1
2404-160 <sup>7)</sup> ; 2404-160 M <sup>7)</sup> ; 2405-160 M <sup>7)</sup> ; 2405-160-45 <sup>7)</sup> ; 2405-160-53 <sup>7)</sup> ; 2488-160 <sup>7)</sup> ; 2502-160-38 <sup>7)</sup>	<b>17 0000 6310</b>	GPA-C 165-1	59,5	120	58	17	22	M12	22	40	165	1
2404-200; 2404-200 M; 2405-200 M; 2405-200-52; 2405-200-52A; 2405-200-66; 2409-200-66 <sup>7)</sup> ; 2409-250-91; 2409-315-91; 2488-200; 2502-200-52	<b>17 0000 6320</b>	GPA-C 200-1	72,5	140	58	17	22	M12	35	50	200	1
	<b>17 0000 6330</b>	GPA-C 200-2	72,5	140	75	17	22	M12	35	50	200	1
2404-250; 2404-250 M; 2405-250 M; 2405-250-75; 2405-250-75A; 2405-250-81; 2488-250; 2502- 50-65; 2502-250-68	<b>17 0000 6340</b>	GPA-C 250-1	87,5	180	78	21	28	M16	40	70	250	1
	<b>17 0000 6350</b>	GPA-C 250-2	87,5	180	100	21	28	M16	40	70	250	1
2404-315; 2404-315 M; 2405-315 M; 2405-315-91; 2405-315-95A; 2405-315-110; 2409-315/300; 2488-315; 2502-315-105	<b>17 0000 6360</b>	GPA-C 315-1	117	240	78	21	28	M16	70	80	320	1
<b>Verzahnung 3/32" x 90° / Serration 3/32" x 90°</b>												
2404-400; 2404-400 M; 2404-500; 2404-500 M; 2404-630; 2404-630 M; 2405-400 M; 2405-400-120; 2405-400-120A; 2405-500 M; 2405-500-160; 2405-500-160A; 2405-630 M; 2405-630-200; 2405-630-200A; 2500-400-140; 2500-400-140 ZW; 2500-500-220; 2500-500-230; 2502-400-140; 2502-500-230	<b>17 0001 1770</b>	GPA-C 400-1	160	330	98	25,5	35	M20	85	150	440	1

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Segmentbacken

Ausführung 1

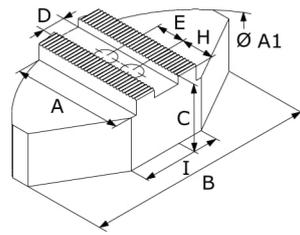
Version 1

Soft full grip jaws

Verzahnung 60°

Serration 60°

Stahl / Steel C45



Futtertyp / Chuck type Verzahnung 1,5mm x 60° / Serration 1,5mm x 60°	Index / Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	I	A1	Ausführung Version
2404-160K; 2405-160-45K; 2405-160-53K	<b>17 0000 1380</b>	GPS-M 165-1	60	120	50	12	20	M10	25	50	160	1
2404-200K; 2405-200-52K; 2405-200-66K	<b>17 0000 1390</b>	GPS-M 210-1	70	140	60	14	25	M12	30	70	200	1
	<b>17 0000 6610</b>	GPS-M 210-2	70	140	80	14	25	M12	30	70	200	1
2404-250K; 2405-250-75K; 2405-250-81K	<b>17 0000 1400</b>	GPS-M 250-1	80	180	60	16	30	M12	30	100	250	1
	<b>17 0000 6620</b>	GPS-M 250-2	80	180	80	16	30	M12	30	100	250	1
2404-315K; 2405-315-91K; 2405-315-110K	<b>17 0000 1410</b>	GPS-M 300-2	110	240	70	21	30	M16	45	120	300	1

# Segmentbacken

Soft full grip jaws

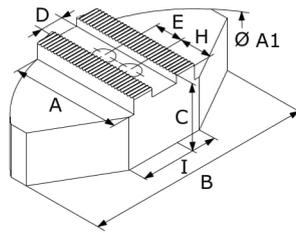
Verzahnung 60°

Serration 60°

Aluminium / Aluminum

Ausführung 1

Version 1



Futtertyp / Chuck type	Index / Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	I	A1	Ausführung Version
2404-160K; 2405-160-45K; 2405-160-53K	<b>17 0000 6370</b>	GPA-M 165-1	59,5	120	58	12	20	M10	25	40	165	1
2404-200K; 2405-200-52K; 2405-200-66K	<b>17 0000 6380</b>	GPA-M 210-1	72,5	140	58	14	25	M12	35	50	200	1
	<b>17 0000 6390</b>	GPA-M 210-2	72,5	140	80	14	25	M12	35	50	200	1
2404-250K; 2405-250-75K; 2405-250-81K	<b>17 0000 6400</b>	GPA-M 250-1	87,5	180	58	16	30	M12	40	70	250	1
	<b>17 0000 6410</b>	GPA-M 250-2	87,5	180	80	16	30	M12	40	70	250	1
2404-315K; 2405-315-91K; 2405-315-110K	<b>17 0000 6430</b>	GPA-M 300-2	117	240	78	21	30	M16	45	80	320	1

# Harte Aufsatzbacken

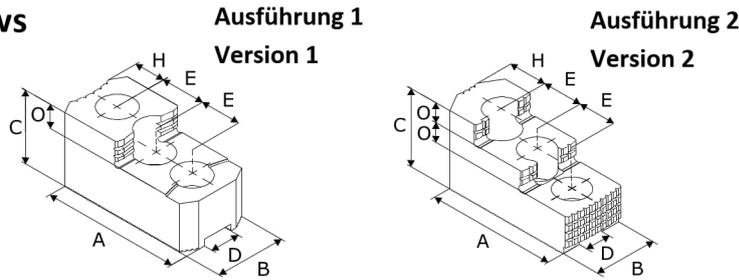
## Hard stepped top jaws

Verzahnung 90°

Serration 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp / Chuck type	Index / Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	O	Ausführung Version
<b>Verzahnung 1/16"x90° / Serration 1/16"x90°</b>											
2409-130-32	<b>17 0000 7450</b>	SGT-C 130-1	58	26	37,5	10	12	M6	11	10	2
2409-160-46	<b>17 0000 8950</b>	SGT-C 160-4	67	26	29	12	18	M10	38	10	1
	<b>17 0000 6700</b>	SGT-C 160-3	60	26	39	12	18	M10	12,5	10	2
2405-160-45A	<b>17 0000 1470</b>	SGT-C 160-2	65	34	40	14	16,5	M10	17,5	9,5	2
2404-160; 2404-160 M; 2405-160 M; 2405-160-45; 2405-160-53; 2488-160; 2502-160-38	<b>17 0000 8960</b>	SGT-C 160-5	76	28	45	17	24	M12	14	10	2
2604-160 <sup>8)</sup> ; 2604-160 M <sup>8)</sup> ; 2605-160-45 <sup>8)</sup>	<b>17 0000 9010</b>	4SGT-C 160-1	76	28	45	17	24	M12	14	10	2
2404-200; 2404-200 M; 2405-200 M; 2405-200-52; 2405-200-52A; 2405-200-66; 2488-200; 2502-200-52	<b>17 0000 6720</b>	SGT-C 200-4	78	32	49	17	24,5	M12	14,5	12	2
2409-200-66	<b>17 0000 8970</b>	SGT-C 200-3	85	28	35	17	24	M12	47	10	1
	<b>17 0000 6710</b>	SGT-C 200-2	76	28	45	17	24	M12	14	10	2
2604-200 <sup>8)</sup> ; 2604-200 M <sup>8)</sup> ; 2605-200-52 <sup>8)</sup> ; 2605-200-52A <sup>8)</sup>	<b>17 0000 9020</b>	4SGT-C 200-1	78	32	49	17	24,5	M12	14,5	12	2
2404-250; 2404-250 M; 2405-250 M; 2405-250-75; 2405-250-75A; 2405-250-81; 2488-250; 2502-250-65; 2502-250-68	<b>17 0000 8990</b>	SGT-C 250-4	102	40	58	21	32	M16	19	14	2
2409-250-91	<b>17 0000 8980</b>	SGT-C 250-3	95	32	38	17	24,5	M12	55	12	1
	<b>17 0000 6730</b>	SGT-C 250-2	78	32	49	17	24,5	M12	14,5	12	2
2604-250 <sup>8)</sup> ; 2604-250 M <sup>8)</sup> ; 2605-250-75 <sup>8)</sup> ; 2605-250-75A <sup>8)</sup>	<b>17 0000 9030</b>	4SGT-C 250-1	102	40	58	21	32	M16	19	14	2
2404-315; 2404-315 M; 2405-315 M; 2405-315-91; 2405-315-95A; 2405-315-110; 2409-315/300; 2488-315; 2502-315-105	<b>17 0000 6750</b>	SGT-C 315-3	102	40	58	21	32	M16	19	14	2
2409-315-91	<b>17 0000 8980</b>	SGT-C 250-3	95	32	38	17	24,5	M12	55	12	1
	<b>17 0000 6740</b>	SGT-C 315-2	78	32	49	17	24,5	M12	14,5	12	2
2604-31 <sup>8)</sup> ; 2604-315 M <sup>8)</sup> ; 2605-315-9 <sup>8)</sup> ; 2605-315-95A <sup>8)</sup>	<b>17 0000 9040</b>	4SGT-C 315-1	102	40	58	21	32	M16	19	14	2
<b>Verzahnung 3/32"x90° / Serration 3/32"x90°</b>											
2404-400; 2404-400 M; 2404-500; 2404-500 M; 2405-400 M; 2405-400-120; 2405-400-120A; 2405-500 M; 2405-500-160; 2405-500-160A; 2500-400-140; 2500-400-140 ZW; 2500-500-220; 2500-500-230; 2502-400-140; 2502-500-230	<b>17 0000 9000</b>	SGT-C 400-3	140	50	75	25,5	43	M20	27	18	2
2404-630; 2404-630 M; 2404-800; 2404-800 M; 2405-630 M; 2405-630-200; 2405-630-200A; 2405-800-255; 2405-800-255A; 2500-630-325; 2500-800-375; 2500-1000-560; 2502-630-330; 2502-800-365; 2502-800-410; 2502-1000-560	<b>17 0000 1530</b>	SGT-C 600-1	146	74	74	25,5	38	M20	47	32	1

8) 4-Backenfutter

8) 4-jaw chuck

# Harte Aufsatzbacken

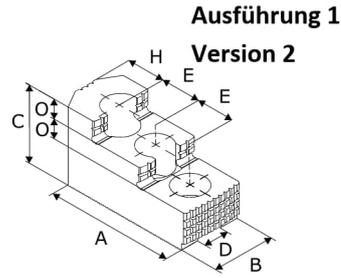
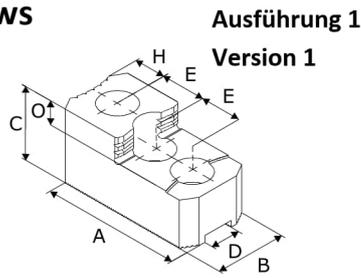
Hard stepped top jaws

Verzahnung 60°

Serration 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp / Chuck type	Index / Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	O	Ausführung Version
<b>Verzahnung 1,5mm x 60° / Serration 1,5mm x 60°</b>											
2404-135K; 2405-135-34K	<b>17 0000 9050</b>	SGT-M 135-1	53	23	36	10	14	M8	13	10	2
2604-135K <sup>8)</sup> ; 2605-135-34K <sup>8)</sup>	<b>17 0000 9070</b>	4SGT-M 135-1	53	23	36	10	14	M8	13	10	2
2404-160K; 2405-160-45K; 2405-160-53K	<b>17 0000 5950</b>	SGT-M 160-1	64	32	43	12	20	M10	12,5	10	2
2604-160K <sup>8)</sup> ; 2605-160-45K <sup>8)</sup>	<b>17 0000 9080</b>	4SGT-M 160-1	64	32	43	12	20	M10	12,5	10	2
2404-200K; 2405-200-52K; 2405-200-66K	<b>17 0000 5960</b>	SGT-M 200-1	79	35	49	14	25	M12	14,5	12	2
2604-200K <sup>8)</sup> ; 2605-200-52K <sup>8)</sup>	<b>17 0000 9090</b>	4SGT-M 200-1	79	35	49	14	25	M12	14,5	12	2
2404-250K; 2405-250-75K; 2405-250-81K	<b>17 0000 5970</b>	SGT-M 250-2	102	40	54	16	30	M12	21	14	2
2604-250K <sup>8)</sup> ; 2605-250-75K <sup>8)</sup>	<b>17 0000 9100</b>	4SGT-M 250-1	102	40	54	16	30	M12	21	14	2
2404-315K; 2405-315-91K; 2405-315-110K	<b>17 0000 5980</b>	SGT-M 315-1	102	45	58	21	30	M16	21	14	2
2604-315K <sup>8)</sup> ; 2605-315-91K <sup>8)</sup>	<b>17 0000 9110</b>	4SGT-M 315-1	102	45	58	21	30	M16	21	14	2
2404-400K; 2405-400-120K	<b>17 0000 9060</b>	SGT-M 400-1	140	50	75	25,5	43	M20	27	18	2
<b>Verzahnung 3mm x 60° / Serration 3mm x 60°</b>											
2404-500K; 2404-630K; 2404-800K; 2405-500-160K; 2405-630-200K; 2405-800-255K	<b>17 0000 4300</b>	SGT-M 530-1	159,5	80	90	25	50	M20	33	40	1

8) 4-Backenfutter

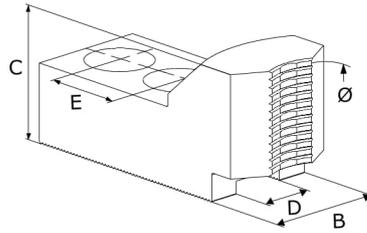
8) 4-jaw chuck

# Harte Spannbacken-Stangenspannung

## Hard jaws for bar clamping

Verzahnung 1/16"x90°  
Serration 1/16"x90°

Stahl 16MnCr5, gehärtet  
Steel 16MnCr5, hardened



Futtertyp / Chuck type ab Ø 160mm / from Ø 160mm	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ	B	C	D	E	Schrauben Screws
2404-160 <sup>7)</sup>	5 – 42	194	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	16 – 57	194	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
2404-160 M <sup>7)</sup> ; 2405-160 M <sup>7)</sup>	5 – 15	167	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	14 – 31	167	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
2405-160-45 <sup>7)</sup>	5 – 42	194	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	16 – 57	194	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
2405-160-45A	5 – 33	187	<b>17 0001 1780</b>	GTM-C 160-3	30	40	14	16,5	M10
	15 – 47	187	<b>17 0001 1790</b>	GTM-C 160-4	30	40	14	16,5	M10
2405-160-53 <sup>7)</sup>	7 – 40	191	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	24 – 55	191	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
2488-160 <sup>7)</sup>	5 – 42	194	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	16 – 57	194	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
2502-160-38 <sup>7)</sup>	5 – 28	179	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	15 – 43	179	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
<b>ab Ø 200mm / from Ø 200mm</b>									
2404-200	5 – 29	221	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 48	221	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
2404-200 M; 2405-200 M	5 – 16	208	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 36	208	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
2405-200-52; 2405-200-52A	5 – 29	221	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 48	221	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
2405-200-66	5 – 37	229	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 56	229	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
2409-200-66 <sup>7)</sup>	5 – 37	229	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 56	229	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
2488-200	5 – 29	221	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 48	221	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
2502-200-52	5 – 29	221	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 48	221	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
<b>ab Ø 250mm / from Ø 250mm</b>									
2404-250	5 – 56	286	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 79	286	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
2404-250 M; 2405-250 M	5 – 35	266	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 59	266	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
2405-250-75; 2405-250-75A	5 – 56	286	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 79	286	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
2405-250-81	5 – 60	291	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	19 – 83	291	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
2409-250-91	22 – 70	261	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	43 – 88	261	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12

## Harte Spannbacken-Stangenspannung

Verzahnung 1/16"x90°

Hard jaws for bar clamping

Serration 1/16"x90°

Futtertyp / Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ	B	C	D	E	Schrauben Screws
2488-250	5 - 56	286	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 - 79	286	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
2502-250-65; 2502-250-68	5 - 34	265	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 - 58	265	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
<b>ab Ø 315mm / from Ø 315mm</b>									
2404-315	5 - 51	340	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 - 70	340	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
2404-315 M; 2405-315 M	5 - 38	327	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 - 57	327	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
2405-315-91	5 - 51	340	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 - 70	340	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
2405-315-95A	5 - 45	334	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 - 64	334	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
2405-315-110	5 - 61	350	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 - 80	350	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
2409-315/300	5 - 39	328	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 - 58	328	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
2488-315	5 - 51	340	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 - 70	340	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
2502-315-105	5 - 46	335	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 - 65	335	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Harte Spannbacken-Stangenspannung

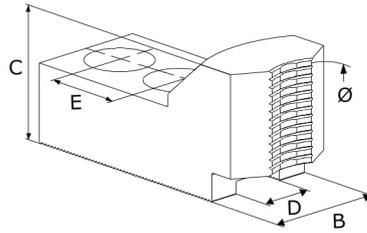
## Hard jaws for bar clamping

Verzahnung 3/32"x90°

Serration 3/32"x90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp / Chuck type ab Ø 400mm / from Ø 400mm	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ	B	C	D	E	Schrauben Screws
2404-400	34 - 105	426	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
2404-400 M	34 - 109	430	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
2405-400 M	34 - 107	428	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
2405-400-120; 2405-400-120A	34 - 105	426	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
2500-400-140	49 - 161	483	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
2500-400-140 ZW	54 - 91	411	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
2502-400-140	50 - 178	500	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
<b>ab Ø 500mm / from Ø 500mm</b>									
2404-500	48 - 205	527	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
2404-500 M	34 - 179	501	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
2405-500 M	34 - 177	499	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
2405-500-160; 2405-500-160A	48 - 205	527	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
2500-500-220	119 - 220	542	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
2500-500-230	145 - 284	606	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
2502-500-230	128 - 283	606	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
<b>ab Ø 630mm / from Ø 630mm</b>									
2404-630	118 - 342	665	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
2404-630 M	36 - 306	629	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
2405-630 M	57 - 340	663	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
2405-630-200; 2405-630-200A	118 - 342	665	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20

# Harte Spannbacken-Stangenspannung

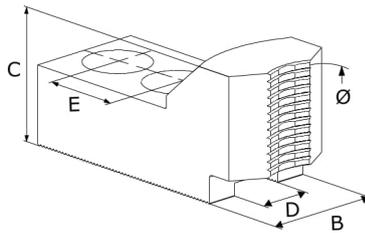
## Hard jaws for bar clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp / Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ	B	C	D	E	Schrauben Screws
<b>ab Ø 160mm / from Ø 160mm</b>									
2404-160K	5 – 26	182	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 37	182	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
2405-160-45K	5 – 26	182	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 37	182	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
2405-160-53K	5 – 31	186	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 41	186	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
<b>ab Ø 200mm / from Ø 200mm</b>									
2404-200K	5 – 33	227	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 – 48	227	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
2405-200-52K	5 – 33	227	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 – 48	227	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
2405-200-66K	5 – 41	235	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	16 – 55	235	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
<b>ab Ø 250mm / from Ø 250mm</b>									
2404-250K	5 – 51	279	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 75	279	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
2405-250-75K	5 – 51	279	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 75	279	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
2405-250-81K	5 – 55	284	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 79	284	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
<b>ab Ø 315mm / from Ø 315mm</b>									
2404-315K	5 – 73	338	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 92	338	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16
2405-315-91K	5 – 73	338	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 92	338	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16
2405-315-110K	5 – 81	346	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 100	346	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16

# Krallenbacken Außenspannung

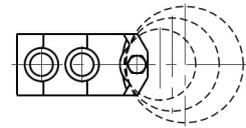
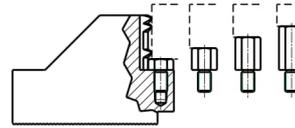
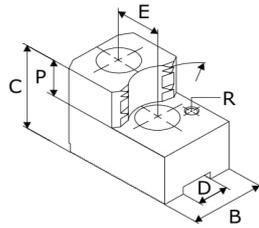
## Hard claw jaws for O.D. clamping

Verzahnung 1/16" x 90°

Serration 1/16" x 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab/from Ø 160mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
2404-160 <sup>7)</sup>	33 - 74	191	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	52 - 93	193	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	74 - 115	193	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	92 - 134	197	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	114 - 156	216	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
2404-160 M <sup>7)</sup>	28 - 48	164	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	46 - 67	166	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	68 - 89	167	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	86 - 107	170	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	108 - 129	189	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
2405-160 M <sup>7)</sup>	28 - 48	164	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	46 - 67	166	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	68 - 89	167	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	86 - 107	170	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	108 - 129	189	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
2405-160-45 <sup>7)</sup>	33 - 74	191	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	52 - 93	193	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	74 - 115	193	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	92 - 134	197	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	114 - 156	216	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
2405-160-45A	29 - 64	188	<b>17 0000 7620</b>	GTZ-C 160-4	30	47	14	20	M10	20	M6
	48 - 87	189	<b>17 0000 7630</b>	GTZ-C 160-5	30	47	14	20	M10	20	M6
	74 - 114	190	<b>17 0000 7640</b>	GTZ-C 160-6	30	47	14	20	M10	20	M6
	100 - 140	199	<b>17 0000 7650</b>	GTZ-C 160-7	35	47	14	20	M10	20	M6
2405-160-53 <sup>7)</sup>	40 - 72	188	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	59 - 91	191	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	81 - 113	191	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	99 - 132	194	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	121 - 154	214	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
2488-160 <sup>7)</sup>	33 - 74	191	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	52 - 93	193	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	74 - 115	193	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	92 - 134	197	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	114 - 156	216	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
2502-160-38 <sup>7)</sup>	32 - 60	177	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	51 - 79	179	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	73 - 101	179	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	91 - 120	182	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	113 - 142	202	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5

# Krallenbacken Außenspannung

Verzahnung 1/16" x 90°

Hard claw jaws for O.D. clamping

Serration 1/16" x 90°

Futtertyp/Chuck type ab/from Ø 200mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
2404-200	29 – 71	224	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	45 – 98	224	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	74 – 128	225	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	100 – 155	227	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	130 – 185	246	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
2404-200 M	29 – 58	211	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	48 – 86	211	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	77 – 115	212	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	103 – 142	214	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	133 – 172	233	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
2405-200 M	29 – 58	211	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	48 – 86	211	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	77 – 115	212	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	103 – 142	214	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	133 – 172	233	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
2405-200-52; 2405-200-52A	29 – 71	224	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	45 – 98	224	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	74 – 128	225	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	100 – 155	227	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	130 – 185	246	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
2405-200-66	33 – 78	232	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	60 – 106	232	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	89 – 136	232	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	116 – 163	234	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	146 – 193	254	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
2409-200-66 <sup>7)</sup>	31 – 78	232	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	57 – 106	232	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	86 – 136	232	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	113 – 163	234	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	143 – 193	254	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
2488-200	29 – 71	224	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	45 – 98	224	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	74 – 128	225	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	100 – 155	227	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	130 – 185	246	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
2502-200-52	29 – 71	224	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	49 – 98	224	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	77 – 128	225	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	104 – 155	227	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	134 – 185	246	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
<b>ab Ø 250mm / from Ø 250mm</b>											
2404-250	46 – 114	284	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	85 – 154	284	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	134 – 204	288	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	181 – 251	323	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8

# Krallenbacken Außenspannung

Hard claw jaws for O.D. clamping

Verzahnung 1/16" x 90°

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
2404-250 M	45 – 94	264	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	83 – 134	264	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	133 – 184	268	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	179 – 231	302	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
2405-250 M	45 – 94	264	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	83 – 134	264	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	133 – 184	268	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	179 – 231	302	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
2405-250-75; 2405-250-75A	46 – 114	284	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	85 – 154	284	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	134 – 204	288	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	181 – 251	323	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
2405-250-81	50 – 119	289	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	89 – 159	289	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	138 – 208	293	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	185 – 255	327	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
2409-250-91	57 – 106	264	<b>17 0000 7710</b>	GTZ-C 250-5	35	55	17	22	M12	25	M6
	88 – 137	264	<b>17 0000 7720</b>	GTZ-C 250-6	35	55	17	22	M12	25	M6
	146 – 196	266	<b>17 0000 7730</b>	GTZ-C 250-7	40	55	17	22	M12	25	M6
	181 – 231	296	<b>17 0000 7740</b>	GTZ-C 250-8	40	55	17	22	M12	25	M6
2488-250	46 – 114	284	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	85 – 154	284	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	134 – 204	288	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	181 – 251	323	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
2502-250-65	47 – 93	263	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	86 – 133	263	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	135 – 183	267	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	182 – 230	301	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
2502-250-68	45 – 93	263	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	84 – 133	263	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	134 – 183	267	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	180 – 230	301	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
<b>ab Ø 315mm / from Ø 315mm</b>											
2404-315	44 – 137	339	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	98 – 195	340	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	162 – 261	340	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	226 – 325	399	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
2404-315 M	44 – 125	326	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	102 – 182	327	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	167 – 248	327	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	231 – 312	387	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
2405-315 M	44 – 125	326	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	102 – 182	327	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	167 – 248	327	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	231 – 312	387	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8

# Krallenbacken Außenspannung

Verzahnung 1/16" x 90°

Hard claw jaws for O.D. clamping

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
2405-315-91	44 – 137	339	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	98 – 195	340	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	162 – 261	340	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	226 – 325	399	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
2405-315-95A	44 – 131	333	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	102 – 189	334	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	166 – 255	334	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	230 – 319	393	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
2405-315-110	60 – 147	349	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	118 – 205	350	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	182 – 271	350	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	247 – 335	409	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
2409-315-91	56 – 165	323	<b>17 0000 7710</b>	GTZ-C 250-5	35	55	17	22	M12	25	M6
	87 – 195	323	<b>17 0000 7720</b>	GTZ-C 250-6	35	55	17	22	M12	25	M6
	145 – 255	325	<b>17 0000 7730</b>	GTZ-C 250-7	40	55	17	22	M12	25	M6
	180 – 290	355	<b>17 0000 7740</b>	GTZ-C 250-8	40	55	17	22	M12	25	M6
2409-315/300	74 – 126	327	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	132 – 183	328	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	197 – 249	328	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	261 – 313	388	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
2488-315	44 – 137	339	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	98 – 195	340	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	162 – 261	340	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	226 – 325	399	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
2502-315-105	59 – 132	334	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	117 – 190	335	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	181 – 256	335	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	246 – 320	395	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Krallenbacken Außenspannung

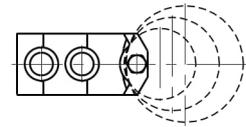
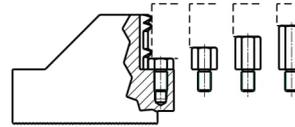
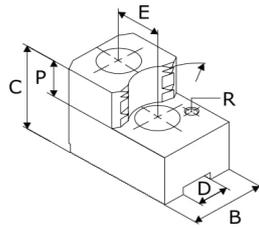
## Hard claw jaws for O.D. clamping

Verzahnung 3/32" x 90°

Serration 3/32" x 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
2404-400	58 – 162	426	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	132 – 237	426	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	215 – 321	443	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	285 – 392	486	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
2404-400 M	63 – 142	430	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	139 – 241	430	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	222 – 325	447	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	293 – 396	490	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
2405-400 M	63 – 140	428	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	141 – 239	428	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	224 – 323	445	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	295 – 394	488	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
2405-400-120; 2405-400-120A	58 – 162	426	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	132 – 237	426	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	215 – 321	443	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	285 – 392	486	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
2500-400-140	81 – 194	483	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	103 – 218	483	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	178 – 294	483	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	262 – 378	500	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	333 – 449	543	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
2500-400-140 ZW	86 – 123	411	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	109 – 147	411	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	184 – 222	411	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	268 – 307	428	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	339 – 377	471	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
2502-400-140	83 – 211	500	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	105 – 235	500	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	180 – 311	500	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	264 – 395	517	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	335 – 466	560	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
<b>ab Ø 500mm/from Ø 500mm</b>											
2404-500	80 – 237	527	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	177 – 337	527	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	261 – 421	544	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	332 – 493	587	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	411 – 573	672	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8

# Krallenbacken Außenspannung

Verzahnung 3/32" x 90°

Hard claw jaws for O.D. clamping

Serration 3/32" x 90°

Futtertyp/chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
2404-500 M	63 – 212	501	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	152 – 312	501	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	235 – 396	518	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	306 – 467	561	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	385 – 547	646	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
2405-500 M	63 – 210	499	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	154 – 310	499	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	237 – 394	516	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	308 – 465	559	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	387 – 545	644	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
2405-500-160; 2405-500-160A	80 – 237	527	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	177 – 337	527	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	261 – 421	544	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	332 – 493	587	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	411 – 573	672	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
2500-500-220	151 – 252	542	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	251 – 352	542	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	336 – 436	559	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	406 – 508	602	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	486 – 588	687	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
2500-500-230	178 – 316	606	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	278 – 416	606	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	363 – 500	623	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	433 – 572	666	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
2502-500-230	160 – 316	606	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	260 – 416	606	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	345 – 500	623	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	415 – 571	666	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
<b>ab Ø 630mm / from Ø 630mm</b>											
2404-630	150 – 374	665	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	250 – 475	665	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	335 – 559	682	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	405 – 630	725	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	485 – 710	810	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
2404-630 M	67 – 339	629	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	164 – 439	629	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	247 – 523	646	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	318 – 594	689	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	397 – 674	774	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
2405-630 M	89 – 372	663	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	187 – 473	663	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	271 – 557	680	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	342 – 628	723	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	421 – 708	808	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8

# Krallenbacken Außenspannung

Verzahnung 3/32" x 90°

Hard claw jaws for O.D. clamping

Serration 3/32" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
2405-630-200; 2405-630-200A	150 - 374	665	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	250 - 475	665	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	335 - 559	682	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	405 - 630	725	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	485 - 710	810	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
2500-630-325	309 - 431	721	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	409 - 531	721	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	494 - 615	738	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	565 - 686	781	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	645 - 766	866	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
2502-630-330	259 - 433	724	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	359 - 534	724	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	445 - 618	741	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	516 - 689	784	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	595 - 769	869	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
<b>ab Ø 800mm / from Ø 800mm</b>											
2404-800	206 - 530	821	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	306 - 630	821	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	391 - 714	838	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	461 - 786	881	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	541 - 866	966	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
2404-800 M	85 - 508	799	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	183 - 608	799	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	267 - 692	816	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	338 - 764	859	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	417 - 844	944	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
2405-800-255; 2405-800-255A	206 - 530	821	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	306 - 630	821	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	391 - 714	838	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	461 - 786	881	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	541 - 866	966	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
2500-800-375	384 - 595	886	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	485 - 695	886	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	570 - 779	903	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	641 - 851	946	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	721 - 931	1031	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
2500-1000-560	568 - 745	1036	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	668 - 845	1036	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	754 - 929	1053	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	825 - 1001	1096	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	905 - 1081	1181	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
2502-800-365	296 - 598	889	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	396 - 698	889	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	482 - 782	906	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	552 - 854	949	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	632 - 934	1034	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8

# Krallenbacken Außenspannung

Verzahnung 3/32" x 90°

Hard claw jaws for O.D. clamping

Serration 3/32" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
2502-800-410	340 – 598	889	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	440 – 698	889	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	526 – 782	906	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	596 – 854	949	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	676 – 934	1034	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
<b>ab Ø 1000mm / from Ø 1000mm</b>											
2500-1000-560	568 – 745	1036	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	668 – 845	1036	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	754 – 929	1053	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	825 – 1001	1096	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	905 – 1081	1181	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
2502-1000-560	505 – 748	1039	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	605 – 848	1039	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	691 – 932	1056	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	762 – 1003	1099	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	841 – 1084	1184	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8

# Krallenbacken Außenspannung

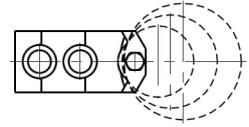
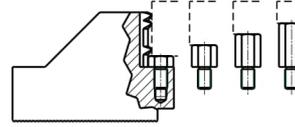
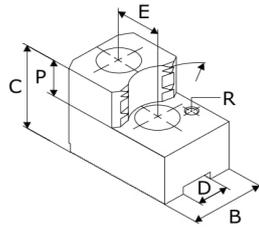
## Hard claw jaws for O.D. clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 165mm/from Ø165mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
2404-160K	28 - 59	184	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	42 - 75	184	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	58 - 91	185	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	72 - 105	185	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	88 - 121	183	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	114 - 147	209	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
2405-160-45K	28 - 59	184	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	42 - 75	184	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	58 - 91	185	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	72 - 105	185	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	88 - 121	183	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	114 - 147	209	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
2405-160-53K	34 - 64	188	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	49 - 79	188	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	65 - 96	189	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	79 - 109	189	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	96 - 126	188	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	121 - 152	213	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
<b>ab Ø 200mm/from Ø200mm</b>											
2404-200K	30 - 73	223	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	54 - 101	223	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	84 - 131	224	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	114 - 162	226	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	136 - 184	243	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	172 - 221	281	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
2405-200-52K	30 - 73	223	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	54 - 101	223	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	84 - 131	224	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	114 - 162	226	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	136 - 184	243	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	172 - 221	281	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
2405-200-66K	42 - 81	231	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	69 - 109	231	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	99 - 139	231	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	129 - 170	233	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	151 - 192	251	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	188 - 229	289	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6

# Krallenbacken Außenspannung

Verzahnung 1,5mm x 60°

Hard claw jaws for O.D. clamping

Serration 1,5mm x 60°

Futtertyp/Chuck type ab Ø 250mm / from Ø 250mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
2404-250K	40 – 103	281	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	81 – 145	281	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	124 – 189	285	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	169 – 235	300	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	204 – 270	332	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
2405-250-75K	40 – 103	281	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	81 – 145	281	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	124 – 189	285	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	169 – 235	300	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	204 – 270	332	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
2405-250-81K	44 – 107	285	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	85 – 149	285	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	128 – 193	289	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	174 – 239	304	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	209 – 274	336	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
<b>ab Ø 315mm / from Ø 315mm</b>											
2404-315K	44 – 142	346	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	104 – 201	346	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	170 – 268	360	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	233 – 332	404	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
2405-315-91K	44 – 142	346	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	104 – 201	346	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	170 – 268	360	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	233 – 332	404	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
2405-315-110K	63 – 150	354	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	123 – 209	354	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	190 – 276	368	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	253 – 340	412	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
<b>ab Ø 400mm / from Ø 400mm</b>											
2404-400K <sup>6)</sup>	41 – 117	401	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	89 – 174	407	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	149 – 234	407	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	209 – 295	426	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	269 – 356	443	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	328 – 416	495	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8
2405-400-120K <sup>6)</sup>	41 – 117	401	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	89 – 174	407	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	149 – 234	407	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	209 – 295	426	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	269 – 356	443	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	328 – 416	495	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8

6) Bitte überprüfen Sie die Nutbreite.

6) Please check the slot width.

Bei Bedarf bitte abgestufte Nutensteine verwenden

If necessary please use stepped T-nuts

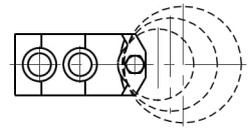
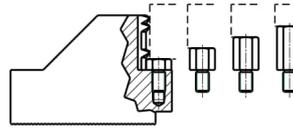
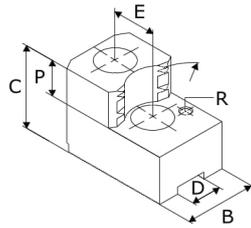
# Krallenbacken Außenspannung

Hard claw jaws for O.D. clamping

Verzahnung 3mm x 60°

Serration 3mm x 60°

Stahl 16MnCr5, gehärtet  
Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 500mm / from Ø 500mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ/Type	B	C	D	E	Schrauben Screws	P	R
2404-500K	152 - 259	514	<b>17 0000 7930</b>	GTZ-M 530-1	65	94	25	60	M20	42	M8
	279 - 388	531	<b>17 0000 7940</b>	GTZ-M 530-2	65	94	25	60	M20	42	M8
	406 - 516	616	<b>17 0000 7950</b>	GTZ-M 530-3	65	94	25	60	M20	42	M8
2405-500-160K	152 - 259	514	<b>17 0000 7930</b>	GTZ-M 530-1	65	94	25	60	M20	42	M8
	279 - 388	531	<b>17 0000 7940</b>	GTZ-M 530-2	65	94	25	60	M20	42	M8
	406 - 516	616	<b>17 0000 7950</b>	GTZ-M 530-3	65	94	25	60	M20	42	M8
<b>ab Ø 630mm / from Ø 630mm</b>											
2404-630K	224 - 396	651	<b>17 0000 7930</b>	GTZ-M 530-1	65	94	25	60	M20	42	M8
	352 - 525	668	<b>17 0000 7940</b>	GTZ-M 530-2	65	94	25	60	M20	42	M8
	480 - 653	754	<b>17 0000 7950</b>	GTZ-M 530-3	65	94	25	60	M20	42	M8
2405-630-200K	224 - 396	651	<b>17 0000 7930</b>	GTZ-M 530-1	65	94	25	60	M20	42	M8
	352 - 525	668	<b>17 0000 7940</b>	GTZ-M 530-2	65	94	25	60	M20	42	M8
	480 - 653	754	<b>17 0000 7950</b>	GTZ-M 530-3	65	94	25	60	M20	42	M8
<b>ab Ø 800mm / from Ø 800mm</b>											
2404-800K	279 - 551	807	<b>17 0000 7930</b>	GTZ-M 530-1	65	94	25	60	M20	42	M8
	408 - 681	824	<b>17 0000 7940</b>	GTZ-M 530-2	65	94	25	60	M20	42	M8
	536 - 809	910	<b>17 0000 7950</b>	GTZ-M 530-3	65	94	25	60	M20	42	M8
2405-800-255K	279 - 551	807	<b>17 0000 7930</b>	GTZ-M 530-1	65	94	25	60	M20	42	M8
	408 - 681	824	<b>17 0000 7940</b>	GTZ-M 530-2	65	94	25	60	M20	42	M8
	536 - 809	910	<b>17 0000 7950</b>	GTZ-M 530-3	65	94	25	60	M20	42	M8

# Krallenbacken Innenspannung

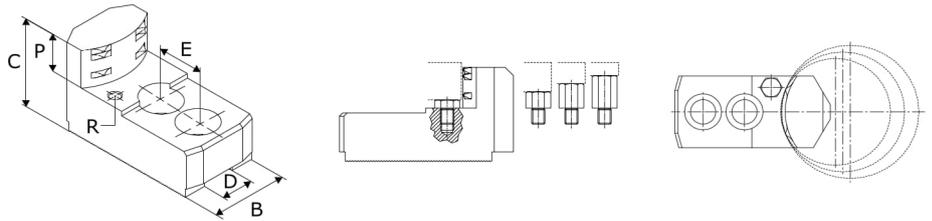
Hard claw jaws for I.D. clamping

Verzahnung 1/16" x 90°

Serration 1/16" x 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 160mm/from Ø160mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
2404-160 <sup>7)</sup>	52 – 92	190	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 – 104	191	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	83 – 124	192	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	103 – 144	195	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
2404-160 M <sup>7)</sup>	52 – 65	163	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 – 78	164	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	83 – 98	165	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	97 – 118	168	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
2405-160 M <sup>7)</sup>	52 – 65	163	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 – 78	164	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	83 – 98	165	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	97 – 118	168	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
2405-160-45 <sup>7)</sup>	52 – 92	190	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 – 104	191	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	83 – 124	192	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	103 – 144	195	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
2405-160-45A	47 – 78	189	<b>17 0000 8020</b>	GTW-C 160-4	35	47	14	20	M10	20	M6
	61 – 95	189	<b>17 0000 8030</b>	GTW-C 160-5	40	47	14	20	M10	20	M6
	80 – 117	190	<b>17 0000 8040</b>	GTW-C 160-6	40	47	14	20	M10	20	M6
	97 – 137	192	<b>17 0000 8050</b>	GTW-C 160-7	40	47	14	20	M10	20	M6
2405-160-53 <sup>7)</sup>	58 – 89	187	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	70 – 102	188	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	90 – 122	189	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	110 – 142	192	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
2488-160 <sup>7)</sup>	52 – 92	190	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 – 104	191	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	83 – 124	192	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	103 – 144	195	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
2502-160-38 <sup>7)</sup>	52 – 78	176	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 – 90	177	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	83 – 110	178	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	102 – 130	180	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
<b>ab Ø 200mm/from Ø200mm</b>											
2404-200	58 – 106	222	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	80 – 134	222	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	112 – 166	222	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
2404-200 M	58 – 93	209	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	83 – 122	209	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	115 – 153	209	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6

# Krallenbacken Innenspannung

Hard claw jaws for I.D. clamping

Verzahnung 1/16" x 90°

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
2405-200 M	58 - 93	209	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	83 - 122	209	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	115 - 153	209	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
2405-200-52; 2405-200-52A	58 - 106	222	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	80 - 134	222	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	112 - 166	222	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
2405-200-66	67 - 114	230	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	96 - 142	230	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	127 - 174	230	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
2409-200-66 <sup>7)</sup>	65 - 114	230	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	93 - 142	230	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	125 - 174	230	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
2488-200	58 - 106	222	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	80 - 134	222	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	112 - 166	222	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
2502-200-52	58 - 106	222	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	84 - 134	222	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	116 - 166	222	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
<b>ab Ø 250mm/from Ø250mm</b>											
2404-250	76 - 143	290	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	115 - 184	290	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	160 - 229	284	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
2404-250 M	76 - 122	270	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	114 - 164	270	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	158 - 209	264	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
2405-250 M	76 - 122	270	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	114 - 164	270	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	158 - 209	264	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
2405-250-75; 2405-250-75A	76 - 143	290	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	115 - 184	290	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	160 - 229	284	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
2405-250-81	79 - 147	295	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	119 - 188	295	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	164 - 234	289	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
2409-250-91	91 - 141	274	<b>17 0000 8160</b>	GTW-C 250-4	35	55	17	22	M12	25	M6
	115 - 165	263	<b>17 0000 8170</b>	GTW-C 250-5	40	55	17	22	M12	25	M6
	179 - 229	271	<b>17 0000 8180</b>	GTW-C 250-6	40	55	17	22	M12	25	M6
2488-250	76 - 143	290	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	115 - 184	290	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	160 - 229	284	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
2502-250-65	76 - 121	269	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	116 - 163	269	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	161 - 208	263	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
2502-250-68	76 - 121	269	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	115 - 163	269	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	159 - 208	263	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8

# Krallenbacken Innenspannung

Verzahnung 1/16" x 90°

Hard claw jaws for I.D. clamping

Serration 1/16" x 90°

Futtertyp/Chuck type ab Ø 315mm/from Ø315mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
2404-315	78 – 158	338	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 212	338	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	189 – 287	338	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
2404-315 M	78 – 146	325	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 200	325	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	194 – 274	325	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
2405-315 M	78 – 146	325	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 200	325	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	194 – 274	325	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
2405-315-91	78 – 158	338	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 212	338	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	189 – 287	338	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
2405-315-95A	78 – 153	332	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 206	332	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	193 – 281	332	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
2405-315-110	83 – 168	348	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	135 – 222	348	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	209 – 297	348	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
2409-315-91	90 – 199	333	<b>17 0000 8160</b>	GTW-C 250-4	35	55	17	22	M12	25	M6
	114 – 223	322	<b>17 0000 8170</b>	GTW-C 250-5	40	55	17	22	M12	25	M6
	178 – 288	330	<b>17 0000 8180</b>	GTW-C 250-6	40	55	17	22	M12	25	M6
2409-315/300	97 – 147	326	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	150 – 201	326	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	224 – 275	326	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
2488-315	78 – 158	338	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 212	338	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	189 – 287	338	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
2502-315-105	82 – 154	333	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	134 – 208	333	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	208 – 282	333	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Krallenbacken Innenspannung

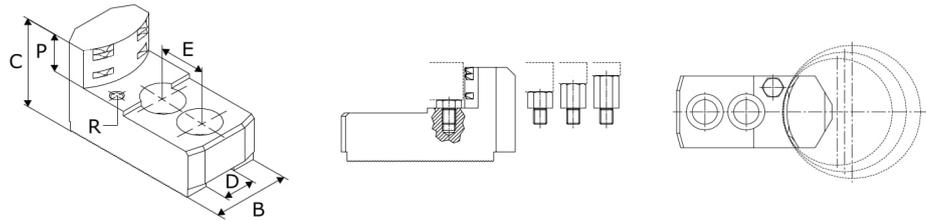
Hard claw jaws for I.D. clamping

Verzahnung 3/32" x 90°

Serration 3/32" x 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 400mm/from Ø400mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
2404-400	98 – 189	419	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	164 – 268	426	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	243 – 349	426	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	305 – 412	457	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
2404-400 M	98 – 193	423	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	171 – 272	430	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	250 – 353	430	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	313 – 416	461	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
2405-400 M	98 – 191	421	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	173 – 270	428	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	252 – 351	428	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	315 – 414	459	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
2405-400-120; 2405-400-120A	98 – 189	419	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	164 – 268	426	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	243 – 349	426	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	305 – 412	457	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
2500-400-140	129 – 243	483	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	210 – 325	483	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	289 – 406	483	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	352 – 469	514	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
2500-400-140 ZW	135 – 172	411	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	215 – 253	411	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	295 – 334	411	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	358 – 397	442	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
2502-400-140	131 – 260	500	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	212 – 342	500	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	291 – 422	500	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	354 – 486	531	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
<b>ab Ø 500mm/from Ø 500mm</b>											
2404-500	128 – 286	527	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	209 – 369	527	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	288 – 449	527	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	351 – 513	558	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
2404-500 M	122 – 261	501	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	184 – 343	501	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	263 – 423	501	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	326 – 487	532	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8

# Krallenbacken Innenspannung

Verzahnung 3/32" x 90°

Hard claw jaws for I.D. clamping

Serration 3/32" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
2405-500 M	122 – 259	499	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	186 – 341	499	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	265 – 422	499	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	328 – 485	530	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
2405-500-160; 2405-500-160A	128 – 286	527	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	209 – 369	527	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	288 – 449	527	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	351 – 513	558	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
2500-500-220	201 – 301	542	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	282 – 384	542	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	362 – 464	542	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	426 – 528	573	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
2500-500-230	227 – 365	606	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	308 – 448	606	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	389 – 528	606	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	452 – 592	637	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
2502-500-230	210 – 365	606	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	291 – 447	606	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	371 – 528	606	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	435 – 592	637	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
<b>ab Ø 630mm/from Ø 630mm</b>											
2404-630	200 – 423	665	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	281 – 506	665	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	361 – 587	665	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	425 – 650	696	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
2404-630 M	122 – 388	629	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	195 – 470	629	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	275 – 551	629	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	337 – 615	660	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
2405-630 M	138 – 421	663	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	218 – 504	663	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	298 – 585	663	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	361 – 648	694	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
2405-630-200; 2405-630-200A	200 – 423	665	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	281 – 506	665	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	361 – 587	665	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	425 – 650	696	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
2500-630-325	358 – 479	721	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	439 – 562	721	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	520 – 643	721	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	584 – 707	752	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
2502-630-330	308 – 482	724	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	390 – 565	724	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	471 – 646	724	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	534 – 709	755	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8

# Krallenbacken Innenspannung

Hard claw jaws for I.D. clamping

Verzahnung 3/32" x 90°

Serration 3/32" x 90°

Futtertyp/Chuck type ab Ø 800mm/from Ø 800mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
2404-800	255 – 579	821	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	336 – 662	821	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	417 – 743	821	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	480 – 806	852	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
2404-800 M	134 – 557	799	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	215 – 640	799	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	294 – 721	799	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	357 – 784	830	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
2405-800-255; 2405-800-255A	255 – 579	821	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	336 – 662	821	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	417 – 743	821	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	480 – 806	852	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
2500-800-375	433 – 644	886	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	515 – 727	886	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	596 – 808	886	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	659 – 871	917	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
2500-1000-560	617 – 794	1036	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	698 – 877	1036	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	779 – 958	1036	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	843 – 1021	1067	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
2502-800-365	345 – 647	889	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	426 – 730	889	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	507 – 811	889	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	571 – 874	920	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
2502-800-410	389 – 647	889	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	470 – 730	889	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	551 – 811	889	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	615 – 874	920	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
<b>ab Ø 1000mm/from Ø 1000mm</b>											
2500-1000-560	617 – 794	1036	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	698 – 877	1036	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	779 – 958	1036	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	843 – 1021	1067	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
2502-1000-560	553 – 796	1039	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	635 – 880	1039	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	716 – 961	1039	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	779 – 1024	1070	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8

# Krallenbacken Innenspannung

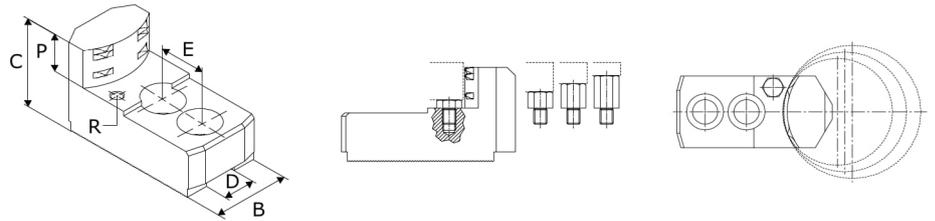
Hard claw jaws for I.D. clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
<b>ab Ø 200mm/from Ø200mm</b>											
2404-200K	57 – 89	223	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	72 – 119	224	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	102 – 149	224	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	131 – 179	233	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
2405-200-52K	57 – 89	223	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	72 – 119	224	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	102 – 149	224	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	131 – 179	233	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
2405-200-66K	58 – 97	231	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	87 – 127	231	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	117 – 157	231	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	147 – 187	241	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
<b>ab Ø 250mm/from Ø 250mm</b>											
2404-250K	60 – 120	281	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	97 – 161	281	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	134 – 198	281	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	167 – 233	285	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
2405-250-75K	60 – 120	281	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	97 – 161	281	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	134 – 198	281	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	167 – 233	285	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
2405-250-81K	61 – 125	285	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	101 – 165	285	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	138 – 203	285	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	172 – 237	289	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
<b>ab Ø 315mm/from Ø 315mm</b>											
2404-315K	78 – 170	346	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	134 – 232	346	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	198 – 296	346	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	250 – 349	390	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
2405-315-91K	78 – 170	346	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	134 – 232	346	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	198 – 296	346	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	250 – 349	390	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
2405-315-110K	93 – 178	354	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	154 – 240	354	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	218 – 304	354	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	270 – 357	398	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8

# Krallenbacken Innenspannung

Verzahnung 1,5mm x 60°

Hard claw jaws for I.D. clamping

Serration 1,5mm x 60°

Futtertyp/Chuck type ab Ø 400mm/from Ø400mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
2404-400K <sup>6)</sup>	97 – 172	401	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	143 – 228	401	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	197 – 283	401	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	267 – 354	408	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	327 – 414	459	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8
2405-400-120K <sup>6)</sup>	97 – 172	401	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	143 – 228	401	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	197 – 283	401	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	267 – 354	408	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8

6) Bitte überprüfen Sie die Nutbreite.

6) Please check the slot width.

Bei Bedarf bitte abgestufte Nutensteine verwenden

If necessary please use stepped T-nuts

# Krallenbacken Innenspannung

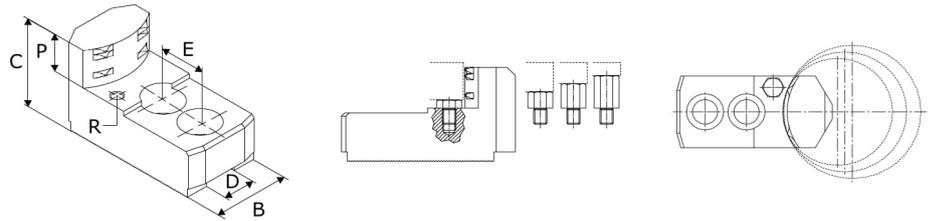
Hard claw jaws for I.D. clamping

Verzahnung 3mm x 60°

Serration 3mm x 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



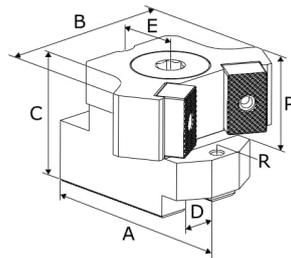
Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
<b>ab Ø 500mm/from Ø500mm</b>											
2404-500K	167 – 275	524	<b>17 0000 8610</b>	GTW-M 530-1	65	94	25	60	M20	42	M8
	298 – 408	524	<b>17 0000 8620</b>	GTW-M 530-2	65	94	25	60	M20	42	M8
2405-500-160K	167 – 275	524	<b>17 0000 8610</b>	GTW-M 530-1	65	94	25	60	M20	42	M8
	298 – 408	524	<b>17 0000 8620</b>	GTW-M 530-2	65	94	25	60	M20	42	M8
<b>ab Ø 630mm/from Ø 630mm</b>											
2404-630K	240 – 412	661	<b>17 0000 8610</b>	GTW-M 530-1	65	94	25	60	M20	42	M8
	372 – 545	661	<b>17 0000 8620</b>	GTW-M 530-2	65	94	25	60	M20	42	M8
2405-630-200K	240 – 412	661	<b>17 0000 8610</b>	GTW-M 530-1	65	94	25	60	M20	42	M8
	372 – 545	661	<b>17 0000 8620</b>	GTW-M 530-2	65	94	25	60	M20	42	M8
<b>ab Ø 800mm/from Ø 800mm</b>											
2404-800K	295 – 567	817	<b>17 0000 8610</b>	GTW-M 530-1	65	94	25	60	M20	42	M8
	428 – 701	817	<b>17 0000 8620</b>	GTW-M 530-2	65	94	25	60	M20	42	M8
2405-800-255K	295 – 567	817	<b>17 0000 8610</b>	GTW-M 530-1	65	94	25	60	M20	42	M8
	428 – 701	817	<b>17 0000 8620</b>	GTW-M 530-2	65	94	25	60	M20	42	M8

# Pendelbacken

## Pendulum jaws

Verzahnung 1/16" x 90°

Serration 1/16" x 90°



Pendelbacken ermöglichen sicheres Spannen dünnwandiger und verformungsgefährdeter Werkstücke

Die Befestigung erfolgt mit einzelnen Nutsteinen  
Nutsteine müssen separat bestellt werden

Pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation

Fastening is done using single T-Nuts  
T-Nuts must be ordered separately

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
2404-200	53 – 88	221	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 90	221	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	84 – 118	242	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	109 – 144	241	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
2404-200 M; 2405-200 M	56 – 77	208	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 78	208	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	86 – 107	229	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	112 – 133	229	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
2405-200-52; 2405-200-52A	53 – 88	221	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 90	221	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	84 – 118	242	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	109 – 144	241	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
2405-200-66	67 – 94	229	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 97	229	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	98 – 125	250	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	123 – 151	249	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
2409-200-66	65 – 94	229	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 97	229	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	95 – 125	250	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	121 – 151	249	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
2488-200	53 – 88	221	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 90	221	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	84 – 118	242	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	109 – 144	241	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
2502-200-52	57 – 88	221	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 90	221	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	87 – 118	242	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	113 – 144	241	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
<b>ab Ø 250mm / from Ø 250mm</b>												
2404-250	66 – 99	287	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	72 – 123	287	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 127	287	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	125 – 176	305	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	137 – 188	305	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
2404-250 M; 2405-250 M	65 – 99	267	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	71 – 105	267	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 109	267	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	124 – 158	284	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	136 – 170	284	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6

**Pendelbacken**

**Verzahnung 1/16" x 90°**

**Pendulum jaws**

**Serration 1/16" x 90°**

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
2405-250-75; 2405-250-75A	66 - 99	287	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	72 - 123	287	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 - 127	287	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	125 - 176	305	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	137 - 188	305	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
2405-250-81	70 - 99	291	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	76 - 123	291	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 - 131	291	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	129 - 180	309	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	141 - 192	309	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
2409-250-91	80 - 99	275	<b>17 0001 3800</b>	SWT-C 250-6	90	81,5	64	17	32	M12	35	M6
	86 - 112	275	<b>17 0001 3810</b>	SWT-C 250-7	90	93	64	17	32	M12	35	M6
	99 - 116	275	<b>17 0001 3820</b>	SWT-C 250-8	90	102	64	17	32	M12	35	M6
	135 - 162	288	<b>17 0001 3830</b>	SWT-C 250-9	75	131	64	17	32	M12	35	M6
	147 - 174	288	<b>17 0001 3840</b>	SWT-C 250-10	75	144	64	17	32	M12	35	M6
2488-250	66 - 99	287	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	72 - 123	287	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 - 127	287	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	125 - 176	305	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	137 - 188	305	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
2502-250-65	67 - 98	266	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	73 - 104	266	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 - 108	266	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	126 - 157	283	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	138 - 169	283	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
2502-250-68	66 - 98	266	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	72 - 104	266	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 - 108	266	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	124 - 157	283	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	136 - 169	283	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
<b>ab Ø 315mm / from Ø 315mm</b>												
2404-315	72 - 120	333	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 - 161	333	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	149 - 223	350	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	159 - 234	352	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
2404-315 M; 2405-315 M	75 - 120	320	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 - 150	320	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	152 - 213	338	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	162 - 223	339	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
2405-315-91	72 - 120	333	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 - 161	333	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	149 - 223	350	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	159 - 234	352	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
2405-315-95A	75 - 120	327	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 - 156	327	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	152 - 219	344	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	162 - 229	346	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
2405-315-110	89 - 120	343	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	103 - 170	343	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	166 - 223	360	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	176 - 243	362	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6

**Pendelbacken**

**Verzahnung 1/16" x 90°**

**Pendulum jaws**

**Serration 1/16" x 90°**

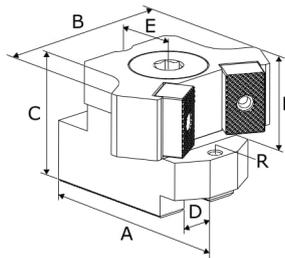
Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben	P	R
	Clamping range	Swing diameter										
2409-315-91	79 – 99	333	<b>17 0001 3800</b>	SWT-C 250-6	90	81,5	64	17	32	M12	35	M6
	85 – 123	333	<b>17 0001 3810</b>	SWT-C 250-7	90	93	64	17	32	M12	35	M6
	99 – 144	333	<b>17 0001 3820</b>	SWT-C 250-8	90	102	64	17	32	M12	35	M6
	134 – 189	347	<b>17 0001 3830</b>	SWT-C 250-9	75	131	64	17	32	M12	35	M6
	146 – 212	347	<b>17 0001 3840</b>	SWT-C 250-10	75	144	64	17	32	M12	35	M6
2409-315/300	102 – 120	321	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	116 – 151	321	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	179 – 214	339	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	189 – 224	340	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
2488-315	72 – 120	333	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 161	333	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	149 – 223	350	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	159 – 234	352	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
2502-315-105	88 – 120	328	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	102 – 157	328	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	165 – 220	346	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	175 – 230	347	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6

# Pendelbacken

## Pendulum jaws

Verzahnung 3/32" x 90°

Serration 3/32" x 90°



Pendelbacken ermöglichen sicheres Spannen dünnwandiger und verformungsgefährdeter Werkstücke

Die Befestigung erfolgt mit einzelnen Nutensteinen  
Nutensteine müssen separat bestellt werden

Pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation

Fastening is done using single T-Nuts  
T-Nuts must be ordered separately

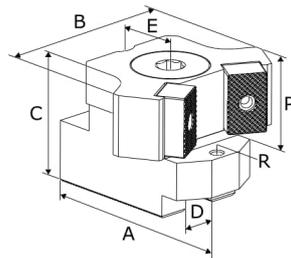
Futtertyp/Chuck type ab Ø 400mm / from Ø 400mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
2404-400	111 - 187	411	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	176 - 247	437	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 - 277	437	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	276 - 352	533	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
2404-400 M	117 - 190	415	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	182 - 250	441	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 - 280	441	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	282 - 355	537	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
2405-400 M	119 - 188	413	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	184 - 248	439	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 - 278	439	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	284 - 353	535	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
2405-400-120; 2405-400-120A	111 - 187	411	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	176 - 247	437	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 - 277	437	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	276 - 352	533	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
2500-400-140	152 - 209	468	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	217 - 295	494	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	247 - 326	493	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	317 - 386	590	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
2500-400-140 ZW	157 - 174	396	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	222 - 234	423	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	252 - 264	422	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	322 - 339	518	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
2502-400-140	154 - 209	484	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	219 - 295	511	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	249 - 341	510	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	319 - 386	606	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8

# Pendelbacken

## Pendulum jaws

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°



Pendelbacken ermöglichen sicheres Spannen dünnwandiger und verformungsgefährdeter Werkstücke

Die Befestigung erfolgt mit einzelnen Nutensteinen

Nutensteine müssen separat bestellt werden

Pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation

Fastening is done using single T-Nuts

T-Nuts must be ordered separately

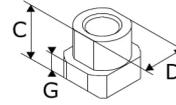
Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben P Screws	R	
2404-200K	49 – 83	222	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 – 90	222	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	80 – 113	243	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	105 – 139	242	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
2405-200-52K	49 – 83	222	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 – 90	222	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	80 – 113	243	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	105 – 139	242	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
2405-200-66K	63 – 88	230	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	71 – 97	230	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	93 – 120	251	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	119 – 146	250	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
<b>ab Ø 250mm / from Ø 250mm</b>												
2404-250K	65 – 99	289	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	71 – 123	289	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 – 129	289	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	120 – 174	302	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	132 – 186	302	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
2405-250-75K	65 – 99	289	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	71 – 123	289	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 – 129	289	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	120 – 174	302	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	132 – 186	302	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
2405-250-81K	68 – 99	293	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	74 – 123	293	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 – 132	293	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	124 – 178	307	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	136 – 190	307	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
<b>ab Ø 315mm / from Ø 315mm</b>												
2404-315K	73 – 120	339	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	99 – 166	339	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	150 – 223	356	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	160 – 239	358	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6
2405-315-91K	73 – 120	339	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	99 – 166	339	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	150 – 223	356	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	160 – 239	358	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6
2405-315-110K	91 – 120	347	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	105 – 173	347	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	167 – 223	364	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	177 – 246	366	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6

## T-Nutensteine für Spannfutter mit Zollverzahnung

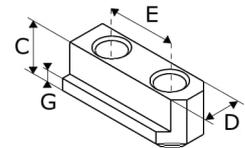
### T-Nuts for chucks with inch serration

Verzahnung 90°

Serration 90°



**Ausführung 1**  
**Version 1**



**Ausführung 4**  
**Version 4**

Futtertyp/Chuck type ab Ø 160mm / from Ø 160mm	Index/Id.-No	Typ/Type	C	D	E	Schrauben Screws	G	Max. Anzugsmoment Nm Max. tightening torque Nm		Ausführung Version
2101-160 M; 2104-160; 2105-160-45	<b>17 0000 3190</b>	WTD 17-4	21,5	17	24	M12x25	9,5	70	4	
	<b>17 0000 9120</b>	WTS 17-6	21,5	17	-	M12x25	9,5	70	1	
2404-160; 2404-160 M; 2405-160 M; 2405-160-45; 2405-160-53	<b>17 0000 3190</b>	WTD 17-4	21,5	17	24	M12x25	9,5	70	4	
	<b>17 0000 9120</b>	WTS 17-6	21,5	17	-	M12x25	9,5	70	1	
2409-160-46	<b>17 0000 3180</b>	WTD 12-4	16	12	18	M10x20	7,5	50	4	
2488-160	<b>17 0000 3190</b>	WTD 17-4	21,5	17	24	M12x25	9,5	70	4	
	<b>17 0000 9120</b>	WTS 17-6	21,5	17	-	M12x25	9,5	70	1	
2604-160; 2604-160 M; 2605-160-45	<b>17 0000 3190</b>	WTD 17-4	21,5	17	24	M12x25	9,5	70	4	
	<b>17 0000 9120</b>	WTS 17-6	21,5	17	-	M12x25	9,5	70	1	
<b>ab Ø 200mm / from Ø 200mm</b>										
2101-200 M	<b>17 0000 3200</b>	WTS 17-5	21,5	17	-	M12x25	9	70	1	
2101-215 G+H	<b>17 0000 3210</b>	WTS 21-5	25,5	21	-	M16x30	10,5	150	1	
2104-200; 2105-200-52	<b>17 0000 3200</b>	WTS 17-5	21,5	17	-	M12x25	9	70	1	
2404-200; 2404-200 M; 2405-200 M; 2405-200-52; 2405-200-66	<b>17 0000 3200</b>	WTS 17-5	21,5	17	-	M12x25	9	70	1	
	<b>17 0000 3190</b>	WTD 17-4	21,5	17	24	M12x25	9,5	70	4	
2409-200-66	<b>17 0000 9120</b>	WTS 17-6	21,5	17	-	M12x25	9,5	70	1	
	<b>17 0000 3200</b>	WTS 17-5	21,5	17	-	M12x25	9	70	1	
2488-200	<b>17 0000 3200</b>	WTS 17-5	21,5	17	-	M12x25	9	70	1	
2604-200; 2604-200 M; 2605-200-52	<b>17 0000 3200</b>	WTS 17-5	21,5	17	-	M12x25	9	70	1	
<b>ab Ø 250mm / from Ø 250mm</b>										
2101-250 M; 2104-250; 2105-250-75	<b>17 0000 3210</b>	WTS 21-5	25,5	21	-	M16x30	10,5	150	1	
2404-250; 2404-250 M; 2405-250 M; 2405-250-75; 2405-250-81	<b>17 0000 3210</b>	WTS 21-5	25,5	21	-	M16x30	10,5	150	1	
	<b>17 0000 3200</b>	WTS 17-5	21,5	17	-	M12x25	9	70	1	
2409-250-91	<b>17 0000 3210</b>	WTS 21-5	25,5	21	-	M16x30	10,5	150	1	
2604-250; 2604-250 M; 2605-250-75	<b>17 0000 3210</b>	WTS 21-5	25,5	21	-	M16x30	10,5	150	1	
<b>ab Ø 315mm / from Ø 315mm</b>										
2101-315 M; 2104-315; 2105-315-91	<b>17 0000 3210</b>	WTS 21-5	25,5	21	-	M16x30	10,5	150	1	
2404-315; 2404-315 M; 2405-315 M; 2405-315-91; 2405-315-110	<b>17 0000 3210</b>	WTS 21-5	25,5	21	-	M16x30	10,5	150	1	
	<b>17 0000 3200</b>	WTS 17-5	21,5	17	-	M12x25	9	70	1	
2409-315-91	<b>17 0000 3210</b>	WTS 21-5	25,5	21	-	M16x30	10,5	150	1	
2488-315	<b>17 0000 3210</b>	WTS 21-5	25,5	21	-	M16x30	10,5	150	1	
2604-315; 2604-315 M; 2605-315-91	<b>17 0000 3210</b>	WTS 21-5	25,5	21	-	M16x30	10,5	150	1	
<b>ab Ø 400mm / from Ø 400mm</b>										
2404-400; 2404-400 M; 2405-400 M; 2405-400-120	<b>17 0000 5830</b>	WTS 25,5-8	29	25,5	-	M20x40	12	220	1	
<b>ab Ø 500mm / from Ø 500mm</b>										
2404-500; 2404-500 M; 2405-500 M; 2405-500-160	<b>17 0000 5830</b>	WTS 25,5-8	29	25,5	-	M20x40	12	220	1	

**T-Nutensteine für Spannfutter mit Zollverzahnung**

**Verzahnung 90°**

T-Nuts for chucks with inch serration

**Serration 90°**

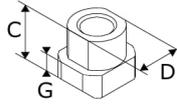
Futtertyp/Chuck type	Index/Id.-No	Typ/Type	C	D	E	Schrauben Screws	G	Max. Anzugsmoment Nm	
								Max. tightening torque Nm	Ausführung Version
<b>ab Ø 630mm / from Ø 630mm</b>									
2404-630; 2404-630 M; 2405-630 M; 2405-630-200	<b>17 0000 5830</b>	WTS 25,5-8	29	25,5	-	M20x40	12	220	1
<b>ab Ø 800mm / from Ø 800mm</b>									
2404-800; 2404-800 M; 2405-800-255	<b>17 0000 5830</b>	WTS 25,5-8	29	25,5	-	M20x40	12	220	1

**T-Nutensteine für Spannfutter / Metrische Verzahnung**

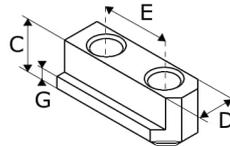
T-Nuts for chucks with metric serration

**Verzahnung 60°**

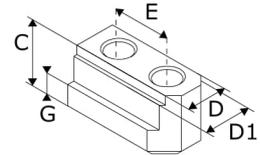
**Serration 60°**



**Ausführung 1**  
**Version 1**



**Ausführung 4**  
**Version 4**



**Ausführung 6**  
**Version 6**

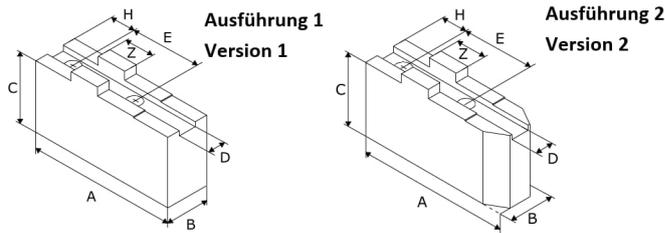
Futtertyp/Chuck type	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max. Anzugsmoment Nm Max. tightening torque Nm		Ausführung
											Version
<b>ab Ø 135mm / from Ø 135mm</b>											
2104-135K; 2105-135-34K	<b>17 0000 9130</b>	WTD 10-6	15	10	-	14	M8x20	5	30		4
2404-135K; 2405-135-34K	<b>17 0000 9130</b>	WTD 10-6	15	10	-	14	M8x20	5	30		4
2604-135K; 2605-135-34K	<b>17 0000 9130</b>	WTD 10-6	15	10	-	14	M8x20	5	30		4
<b>ab Ø 160mm / from Ø 160mm</b>											
2104-160K; 2105-160-45K	<b>17 0000 9140</b>	WTD 12-5	18,5	12	-	20	M10x25	7,5	50		4
2404-160K; 2405-160-45K; 2405-160-53K	<b>17 0000 9140</b>	WTD 12-5	18,5	12	-	20	M10x25	7,5	50		4
2604-160K; 2605-160-45K	<b>17 0000 9140</b>	WTD 12-5	18,5	12	-	20	M10x25	7,5	50		4
<b>ab Ø 200mm / from Ø 200mm</b>											
2104-200K; 2105-200-52K	<b>17 0000 9150</b>	WTD 14-4	20,5	14	-	25	M12x30	8,5	70		4
2404-200K; 2405-200-52K; 2405-200-66K	<b>17 0000 9150</b>	WTD 14-4	20,5	14	-	25	M12x30	8,5	70		4
2604-200K; 2605-200-52K	<b>17 0000 9150</b>	WTD 14-4	20,5	14	-	25	M12x30	8,5	70		4
<b>ab Ø 250mm / from Ø 250mm</b>											
2104-250K; 2105-250-75K	<b>17 0000 9160</b>	WTD 16-3	21,5	16	-	30	M12x30	8,5	70		4
2404-250K; 2405-250-75K; 2405-250-81K	<b>17 0000 9160</b>	WTD 16-3	21,5	16	-	30	M12x30	8,5	70		4
2604-250K; 2605-250-75K	<b>17 0000 9160</b>	WTD 16-3	21,5	16	-	30	M12x30	8,5	70		4
<b>ab Ø 315mm / from Ø 315mm</b>											
2104-315K; 2105-315-91K	<b>17 0000 9170</b>	WTD 21-5	28	21	-	30	M16x40	11,5	150		4
2404-315K; 2405-315-91K; 2405-315-110K	<b>17 0000 9170</b>	WTD 21-5	28	21	-	30	M16x40	11,5	150		4
2604-315K; 2605-315-91K	<b>17 0000 9170</b>	WTD 21-5	28	21	-	30	M16x40	11,5	150		4
<b>ab Ø 400mm / from Ø 400mm</b>											
2404-400K; 2405-400-120K	<b>17 0000 5840</b>	WTD 25,5-4	31	25,5	-	43	M20x40	12	220		4
	<b>17 0000 9180</b>	WTD 22-8	31	22	25,5	43	M20x45	12	220		6
<b>ab Ø 500mm / from Ø 500mm</b>											
2404-500K; 2405-500-160K	<b>17 0000 9190</b>	WTS 25-2	29	25	-	-	M20x40	12	220		1
<b>ab Ø 630mm / from Ø 630mm</b>											
2404-630K; 2405-630-200K	<b>17 0000 9190</b>	WTS 25-2	29	25	-	-	M20x40	12	220		1
<b>ab Ø 800mm / from Ø 800mm</b>											
2404-800K; 2405-800-255K	<b>17 0000 9190</b>	WTS 25-2	29	25	-	-	M20x40	12	220		1

# Weiche Aufsatzbacken für selbstzentrierende Spiralspannfutter

Soft top jaws for self-centering scroll chucks

**Metrische Kreuzversatz  
Metric tongue and groove**

**Stahl / Steel**



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	Z	Ausführung Version
32**-125; 35**-125	17 0000 3330	MKS-RB 125	64	22	38,5	7,94	32	M8	15	12,69	1
36**-125 <sup>8)</sup> ; 37**-125 <sup>8)</sup>	17 0000 9200	4MKS-RB 125	64	22	38,5	7,94	32	M8	15	12,69	1
38**-125 <sup>10)</sup>	17 0000 9210	6MTS-RB 125	64	22	38,5	7,94	32	M6	15	12,69	2
3105-160 <sup>3)</sup>	17 0000 9220	2MKS-RB 160	78	40	41,5	7,94	38,1	M10	21	12,69	1
32**-160; 35**-160	17 0000 2690	MKS-RB 160	78	25	41,5	7,94	38,1	M10	21	12,69	1
36**-160 <sup>8)</sup> ; 37**-160 <sup>8)</sup>	17 0000 9230	4MKS-RB 160	78	25	41,5	7,94	38,1	M10	21	12,69	1
38**-160 <sup>10)</sup>	17 0000 9240	6MTS-RB 160	78	25	41,5	7,94	38,1	M8	21	12,69	2
3105-200 <sup>3)</sup>	17 0000 9250	2MKS-RB 200	90	40	41,5	7,94	44,5	M10	24	12,69	1
32**-200; 35**-200	17 0000 3340	MKS-RB 200	90	27	43,5	7,94	44,5	M10	24	12,69	1
36**-200 <sup>8)</sup> ; 37**-200 <sup>8)</sup>	17 0000 9260	4MKS-RB 200	90	27	43,5	7,94	44,5	M10	24	12,69	1
38**-200 <sup>10)</sup>	17 0000 9270	6MTS-RB 200	90	27	43,5	7,94	44,5	M8	24	12,69	2
3105-250 <sup>3)</sup>	17 0000 9280	2MKS-RB 250	106	47	51,5	12,7	54	M12	27,5	19,04	1
32**-250; 35**-250	17 0000 3350	MKS-RB 250	106	32,5	51,5	12,7	54	M12	27,5	19,04	1
36**-250 <sup>8)</sup> ; 37**-250 <sup>8)</sup>	17 0000 9290	4MKS-RB 250	106	32,5	51,5	12,7	54	M12	27,5	19,04	1
38**-250 <sup>10)</sup>	17 0000 9300	6MTS-RB 250	106	32,5	51,5	12,7	54	M12	27,5	19,04	2
3105-315 <sup>3)</sup>	17 0000 9310	2MKS-RB 315	120	52	55	12,7	63,5	M12	30,7	19,04	1
32**-315; 35**-315	17 0000 3360	MKS-RB 315	120	37	55	12,7	63,5	M12	30,7	19,04	1
36**-315 <sup>8)</sup> ; 37**-315 <sup>8)</sup>	17 0000 9320	4MKS-RB 315	120	37	55	12,7	63,5	M12	30,7	19,04	1
38**-315 <sup>10)</sup>	17 0000 9330	6MTS-RB 315	120	37	55	12,7	63,5	M12	30,7	19,04	2
3105-400 <sup>3)</sup>	17 0000 9340	2MKS-RB 400	140	52	64,5	12,7	76,2	M16	34,4	19,04	1
32**-400; 35**-400	17 0000 3370	MKS-RB 400	140	42	64,5	12,7	76,2	M16	34,4	19,04	1
36**-400 <sup>8)</sup> ; 37**-400 <sup>8)</sup>	17 0000 9350	4MKS-RB 400	140	42	64,5	12,7	76,2	M16	34,4	19,04	1
38**-400 <sup>10)</sup>	17 0000 9360	6MTS-RB 400	140	42	64,5	12,7	76,2	M16	34,4	19,04	2
32**-500; 35**-500	17 0000 3380	MKS-RB 500	140	42	74,5	12,7	76,2	M20	34,4	19,04	1
36**-500 <sup>8)</sup> ; 37**-500 <sup>8)</sup>	17 0000 9370	4MKS-RB 500	140	42	74,5	12,7	76,2	M20	34,4	19,04	1
38**-500 <sup>10)</sup>	17 0000 9380	6MKS-RB 500	140	42	74,5	12,7	76,2	M20	34,4	19,04	1
32**-630; 35**-630	17 0000 3390	MKS-RB 630	160	52	82	12,7	76,2	M20	34,4	19,04	1
36**-630 <sup>8)</sup> ; 37**-630 <sup>8)</sup>	17 0000 9390	4MKS-RB 630	160	52	82	12,7	76,2	M20	34,4	19,04	1
38**-630 <sup>10)</sup>	17 0000 9400	6MKS-RB 630	160	52	82	12,7	76,2	M20	34,4	19,04	1
32**-800; 35**-800	17 0000 3390	MKS-RB 630	160	52	82	12,7	76,2	M20	34,4	19,04	1
36**-800 <sup>8)</sup> ; 37**-800 <sup>8)</sup>	17 0000 9390	4MKS-RB 630	160	52	82	12,7	76,2	M20	34,4	19,04	1
38**-800 <sup>10)</sup>	17 0000 9400	6MKS-RB 630	160	52	82	12,7	76,2	M20	34,4	19,04	1
32**-1000; 35**-1000	17 0000 9410	MKS-RB 1000	191	75	97	12,7	76,2	M22	76,5	19,04	1
36**-1000 <sup>8)</sup> ; 37**-1000 <sup>8)</sup>	17 0000 9420	4MKS-RB 1000	191	75	97	12,7	76,2	M22	76,5	19,04	1
38**-1000 <sup>10)</sup>	17 0000 9430	6MKS-RB 1000	191	75	97	12,7	76,2	M22	76,5	19,04	1

3) Zweibackenfutter

8) 4-Backenfutter

10) 6-Backenfutter

3) 2-jaw chuck

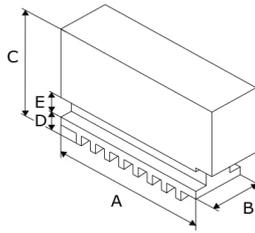
8) 4-jaw chuck

10) 6-jaw chuck

**Weiche Monoblockbacken für selbstzentrierende Spiralspannfutter**

**Soft solid jaws for self-centering scroll chucks**

Stahl / Steel



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E
32**-80; 35**-80	17 0000 3400	SJM-S 80	32	11	28	6	6
32**-100; 35**-100	17 0000 3410	SJM-S 100	42	15	31	6	6
37**-100 <sup>8)</sup>	17 0000 9440	4SJM-S 100	42	15	31	6	6
32**-125; 35**-125	17 0000 3420	SJM-S 125	51	20	40	8	8
36**-125 <sup>8)</sup> ; 37**-125 <sup>8)</sup>	17 0000 9450	4SJM-S 125	51	20	40	8	8
38**-125 <sup>10)</sup>	17 0000 9460	6SJM-S 125	51	20	40	8	8
32**-160; 35**-160	17 0000 3430	SJM-S 160	70	20	53	8	8
36**-160 <sup>8)</sup> ; 37**-160 <sup>8)</sup>	17 0000 9470	4SJM-S 160	70	20	53	8	8
38**-160 <sup>10)</sup>	17 0000 9480	6SJM-S 160	70	20	53	8	8
32**-200; 35**-200	17 0000 3440	SJM-S 200	85	25	54	9	10
36**-200 <sup>8)</sup> ; 37**-200 <sup>8)</sup>	17 0000 9490	4SJM-S 200	85	25	54	9	10
38**-200 <sup>10)</sup>	17 0000 9500	6SJM-S 200	85	25	54	9	10
32**-250; 35**-250	17 0000 3450	SJM-S 250	105	28	63	11	12
36**-250 <sup>8)</sup> ; 37**-250 <sup>8)</sup>	17 0000 9510	4SJM-S 250	105	28	63	11	12
38**-250 <sup>10)</sup>	17 0000 9520	6SJM-S 250	105	28	63	11	12
32**-315; 35**-315	17 0000 3460	SJM-S 315	125	32	73	12,7	12
36**-315 <sup>8)</sup> ; 37**-315 <sup>8)</sup>	17 0000 9530	4SJM-S 315	125	32	73	12,7	12
38**-315 <sup>10)</sup>	17 0000 9540	6SJM-S 315	125	32	73	12,7	12
32**-400; 35**-400	17 0000 3470	SJM-S 400	145	36	92	15	14
36**-400 <sup>8)</sup> ; 37**-400 <sup>8)</sup>	17 0000 9550	4SJM-S 400	145	36	92	15	14
38**-400 <sup>10)</sup>	17 0000 9560	6SJM-S 400	145	36	92	15	14
32**-500; 35**-500	17 0000 5850	SJM-S 500	180	40	100	16	14
36**-500 <sup>8)</sup> ; 37**-500 <sup>8)</sup>	17 0000 9570	4SJM-S 500	180	40	100	16	14
38**-500 <sup>10)</sup>	17 0000 9580	6SJM-S 500	180	40	100	16	14
32**-630; 35**-630	17 0000 3480	SJM-S 630	225	50	110	16	14
36**-630 <sup>8)</sup> ; 37**-630 <sup>8)</sup>	17 0000 9590	4SJM-S 630	225	50	110	16	14
38**-630 <sup>10)</sup>	17 0000 9600	6SJM-S 630	225	50	110	16	14
32**-800; 35**-800	17 0000 9610	SJM-S 800	225	50	110	16	14
36**-800 <sup>8)</sup> ; 37**-800 <sup>8)</sup>	17 0000 9620	4SJM-S 800	225	50	110	16	14
38**-800 <sup>10)</sup>	17 0000 9630	6SJM-S 800	225	50	110	16	14
32**-1000; 35**-1000	17 0000 9640	SJM-S 1000	290	70	140	22	20
36**-1000 <sup>8)</sup> ; 37**-1000 <sup>8)</sup>	17 0000 9650	4SJM-S 1000	290	70	140	22	20
38**-1000 <sup>10)</sup>	17 0000 9660	6SJM-S 1000	290	70	140	22	20

8) 4-Backenfutter

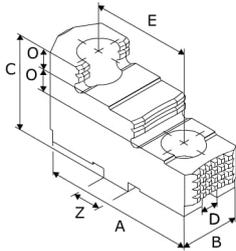
8) 4-jaw chuck

10) 6-Backenfutter

10) 6-jaw chuck

**Harte Aufsatzbacken für selbstzentrierende Spiralspannfutter**

**Hard top jaws for self-centering scroll chucks**



**Metrische Kreuzversatz  
Metric tongue and groove**

Stahl 16MnCr5, gehärtet  
Steel 16MnCr5, hardened

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	O	Z
32**-125; 35**-125	17 0000 5860	SGT-RB 125	56	22	38,5	7,94	32	M8	8	12,69
36**-125 <sup>8)</sup> ; 37**-125 <sup>8)</sup>	17 0000 9670	4SGT-RB 125	56	22	38,5	7,94	32	M8	8	12,69
38**-125 <sup>10)</sup>	17 0000 9680	6SGT-RB 125	56	22	38,5	7,94	32	M6	8	12,69
32**-160; 35**-160	17 0000 3490	SGT-RB 160	67	25	41,5	7,94	38,1	M10	8,5	12,69
36**-160 <sup>8)</sup> ; 37**-160 <sup>8)</sup>	17 0000 9690	4SGT-RB 160	67	25	41,5	7,94	38,1	M10	8,5	12,69
38**-160 <sup>10)</sup>	17 0000 9700	6SGT-RB 160	67	25	41,5	7,94	38,1	M8	8,5	12,69
32**-200; 35**-200	17 0000 3500	SGT-RB 200	80	27	43,5	7,94	44,5	M10	9,5	12,69
36**-200 <sup>8)</sup> ; 37**-200 <sup>8)</sup>	17 0000 9710	4SGT-RB 200	80	27	43,5	7,94	44,5	M10	9,5	12,69
38**-200 <sup>10)</sup>	17 0000 9720	6SGT-RB 200	80	27	43,5	7,94	44,5	M8	9,5	12,69
32**-250; 35**-250	17 0000 3510	SGT-RB 250	95	32,5	51,5	12,7	54	M12	12	19,04
36**-250 <sup>8)</sup> ; 37**-250 <sup>8)</sup>	17 0000 9730	4SGT-RB 250	95	32,5	51,5	12,7	54	M12	12	19,04
38**-250 <sup>10)</sup>	17 0000 9740	6SGT-RB 250	95	32,5	51,5	12,7	54	M12	12	19,04
32**-315; 35**-315	17 0000 3520	SGT-RB 315	110	37	55	12,7	63,5	M12	13	19,04
36**-315 <sup>8)</sup> ; 37**-315 <sup>8)</sup>	17 0000 9750	4SGT-RB 315	110	37	55	12,7	63,5	M12	13	19,04
38**-315 <sup>10)</sup>	17 0000 9760	6SGT-RB 315	110	37	55	12,7	63,5	M12	13	19,04
32**-400; 35**-400	17 0000 3530	SGT-RB 400	127	42	64,5	12,7	76,2	M16	13,5	19,04
36**-400 <sup>8)</sup> ; 37**-400 <sup>8)</sup>	17 0000 9770	4SGT-RB 400	127	42	64,5	12,7	76,2	M16	13,5	19,04
38**-400 <sup>10)</sup>	17 0000 9780	6SGT-RB 400	127	42	64,5	12,7	76,2	M16	13,5	19,04
32**-500; 35**-500	17 0000 3540	SGT-RB 500	127	42	74,5	12,7	76,2	M20	17	19,04
36**-500 <sup>8)</sup> ; 37**-500 <sup>8)</sup>	17 0000 9790	4SGT-RB 500	127	42	74,5	12,7	76,2	M20	17	19,04
38**-500 <sup>10)</sup>	17 0000 9800	6SGT-RB 500	127	42	74,5	12,7	76,2	M20	17	19,04
32**-630; 35**-630	17 0000 3550	SGT-RB 630	127	52	82	12,7	76,2	M20	21	19,04
36**-630 <sup>8)</sup> ; 37**-630 <sup>8)</sup>	17 0000 9810	4SGT-RB 630	127	52	82	12,7	76,2	M20	21	19,04
38**-630 <sup>10)</sup>	17 0000 9820	6SGT-RB 630	127	52	82	12,7	76,2	M20	21	19,04
32**-800; 35**-800	17 0000 3550	SGT-RB 630	127	52	82	12,7	76,2	M20	21	19,04
36**-800 <sup>8)</sup> ; 37**-800 <sup>8)</sup>	17 0000 9830	4SGT-RB 800	127	52	82	12,7	76,2	M20	21	19,04
38**-800 <sup>10)</sup>	17 0000 9840	6SGT-RB 800	127	52	82	12,7	76,2	M20	21	19,04
32**-1000; 35**-1000	17 0000 9850	SGT-RB 1000	175	75	97	12,7	76,2	M22	28	19,04
36**-1000 <sup>8)</sup> ; 37**-1000 <sup>8)</sup>	17 0000 9860	4SGT-RB 1000	175	75	97	12,7	76,2	M22	28	19,04
38**-1000 <sup>10)</sup>	17 0000 9870	6SGT-RB 1000	175	75	97	12,7	76,2	M22	28	19,04

8) 4-Backenfutter

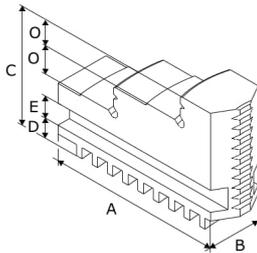
8) 4-jaw chuck

10) 6-Backenfutter

10) 6-jaw chuck

**Harte Monoblockbacken für selbstzentrierende Spiralspannfutter-Außenspannung**

**Hard solid outside jaws for self-centering scroll chucks**



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	O
32**-80; 35**-80	17 0000 3560	SJZ-S 80	32	11	28	6	6	6
32**-100; 35**-100	17 0000 3570	SJZ-S 100	42	15	32	6	6	7
37**-100 <sup>8)</sup>	17 0000 9880	4SJZ-S 100	42	15	32	6	6	7
32**-125; 35**-125	17 0000 3580	SJZ-S 125	51	20	40	8	8	8
36**-125 <sup>8)</sup> ; 37**-125 <sup>8)</sup>	17 0000 9890	4SJZ-S 125	51	20	40	8	8	8
38**-125 <sup>10)</sup>	17 0000 9900	6SJZ-S 125	51	20	40	8	8	8
32**-160; 35**-160	17 0000 3590	SJZ-S 160	70	20	53	8	8	10
36**-160 <sup>8)</sup> ; 37**-160 <sup>8)</sup>	17 0000 9910	4SJZ-S 160	70	20	53	8	8	10
38**-160 <sup>10)</sup>	17 0000 9920	6SJZ-S 160	70	20	53	8	8	10
32**-200; 35**-200	17 0000 3600	SJZ-S 200	85	25	54	9	10	12
36**-200 <sup>8)</sup> ; 37**-200 <sup>8)</sup>	17 0000 9930	4SJZ-S 200	85	25	54	9	10	12
38**-200 <sup>10)</sup>	17 0000 9940	6SJZ-S 200	85	25	54	9	10	12
32**-250; 35**-250	17 0000 3610	SJZ-S 250	105	28	63	11	12	14
36**-250 <sup>8)</sup> ; 37**-250 <sup>8)</sup>	17 0000 9950	4SJZ-S 250	105	28	63	11	12	14
38**-250 <sup>10)</sup>	17 0000 9960	6SJZ-S 250	105	28	63	11	12	14
32**-315; 35**-315	17 0000 3620	SJZ-S 315	125	32	73	12,7	12	18
36**-315 <sup>8)</sup> ; 37**-315 <sup>8)</sup>	17 0000 9970	4SJZ-S 315	125	32	73	12,7	12	18
38**-315 <sup>10)</sup>	17 0000 9980	6SJZ-S 315	125	32	73	12,7	12	18
32**-400; 35**-400	17 0000 3630	SJZ-S 400	145	36	92	15	14	22
36**-400 <sup>8)</sup> ; 37**-400 <sup>8)</sup>	17 0000 9990	4SJZ-S 400	145	36	92	15	14	22
38**-400 <sup>10)</sup>	17 0001 0000	6SJZ-S 400	145	36	92	15	14	22
32**-500; 35**-500	17 0000 3640	SJZ-S 500	180	40	100	16	14	26
36**-500 <sup>8)</sup> ; 37**-500 <sup>8)</sup>	17 0001 0010	4SJZ-S 500	180	40	100	16	14	26
38**-500 <sup>10)</sup>	17 0001 0020	6SJZ-S 500	180	40	100	16	14	26
32**-630; 35**-630	17 0000 3650	SJZ-S 630	225	50	110	16	14	28
36**-630 <sup>8)</sup> ; 37**-630 <sup>8)</sup>	17 0001 0030	4SJZ-S 630	225	50	110	16	14	28
38**-630 <sup>10)</sup>	17 0001 0040	6SJZ-S 630	225	50	110	16	14	28
32**-800; 35**-800	17 0000 3650	SJZ-S 630	225	50	110	16	14	28
36**-800 <sup>8)</sup> ; 37**-800 <sup>8)</sup>	17 0001 0030	4SJZ-S 630	225	50	110	16	14	28
38**-800 <sup>10)</sup>	17 0001 0050	6SJZ-S 800	225	50	110	16	14	28
32**-1000; 35**-1000	17 0001 0060	SJZ-S 1000	291	70	140	22	20	34
36**-1000 <sup>8)</sup> ; 37**-1000 <sup>8)</sup>	17 0001 0070	4SJZ-S 1000	291	70	140	22	20	34
38**-1000 <sup>10)</sup>	17 0001 0080	6SJZ-S 1000	291	70	140	22	20	34

8) 4-Backenfutter

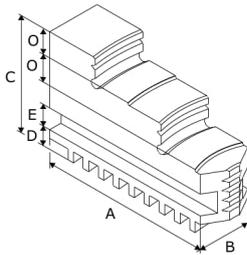
8) 4-jaw chuck

10) 6-Backenfutter

10) 6-jaw chuck

**Harte Monoblockbacken für selbstzentrierende Spiralspannfutter-Innenspannung**

**Hard solid inside jaws for self-centering scroll chucks**



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	O
32**-80; 35**-80	17 0000 3660	SJW-S 80	32	11	28	6	6	6
32**-100; 35**-100	17 0000 3670	SJW-S 100	42	15	31	6	6	7
37**-100 <sup>8)</sup>	17 0001 0130	4SJW-S 100	42	15	31	6	6	7
32**-125; 35**-125	17 0000 3680	SJW-S 125	51	15	40	8	8	8
36**-125 <sup>8)</sup> ; 37**-125 <sup>8)</sup>	17 0001 0140	4SJW-S 125	51	15	40	8	8	8
38**-125 <sup>10)</sup>	17 0001 0150	6SJW-S 125	51	15	40	8	8	8
32**-160; 35**-160	17 0000 3690	SJW-S 160	70	20	53	8	8	10
36**-160 <sup>8)</sup> ; 37**-160 <sup>8)</sup>	17 0001 0160	4SJW-S 160	70	20	53	8	8	10
38**-160 <sup>10)</sup>	17 0001 0170	6SJW-S 160	70	20	53	8	8	10
32**-200; 35**-200	17 0000 3700	SJW-S 200	85	25	54	9	10	12
36**-200 <sup>8)</sup> ; 37**-200 <sup>8)</sup>	17 0001 0180	4SJW-S 200	85	25	54	9	10	12
38**-200 <sup>10)</sup>	17 0001 0190	6SJW-S 200	85	25	54	9	10	12
32**-250; 35**-250	17 0000 3710	SJW-S 250	105	28	63	11	12	14
36**-250 <sup>8)</sup> ; 37**-250 <sup>8)</sup>	17 0001 0200	4SJW-S 250	105	28	63	11	12	14
38**-250 <sup>10)</sup>	17 0001 0210	6SJW-S 250	105	28	63	11	12	14
32**-315; 35**-315	17 0000 3720	SJW-S 315	125	32	73	12,7	12	18
36**-315 <sup>8)</sup> ; 37**-315 <sup>8)</sup>	17 0001 0220	4SJW-S 315	125	32	73	12,7	12	18
38**-315 <sup>10)</sup>	17 0001 0230	6SJW-S 315	125	32	73	12,7	12	18
32**-400; 35**-400	17 0000 3730	SJW-S 400	145	36	92	15	14	22
36**-400 <sup>8)</sup> ; 37**-400 <sup>8)</sup>	17 0001 0240	4SJW-S 400	145	36	92	15	14	22
38**-400 <sup>10)</sup>	17 0001 0250	6SJW-S 400	145	36	92	15	14	22
32**-500; 35**-500	17 0000 3740	SJW-S 500	180	40	100	16	14	26
36**-500 <sup>8)</sup> ; 37**-500 <sup>8)</sup>	17 0001 0260	4SJW-S 500	180	40	100	16	14	26
38**-500 <sup>10)</sup>	17 0001 0270	6SJW-S 500	180	40	100	16	14	26
32**-630; 35**-630	17 0000 3750	SJW-S 630	225	50	110	16	14	28
36**-630 <sup>8)</sup> ; 37**-630 <sup>8)</sup>	17 0001 0280	4SJW-S 630	225	50	110	16	14	28
38**-630 <sup>10)</sup>	17 0001 0290	6SJW-S 630	225	50	110	16	14	28
32**-800; 35**-800	17 0000 3750	SJW-S 630	225	50	110	16	14	28
36**-800 <sup>8)</sup> ; 37**-800 <sup>8)</sup>	17 0001 0280	4SJW-S 630	225	50	110	16	14	28
38**-800 <sup>10)</sup>	17 0001 0300	6SJW-S 800	225	50	110	16	14	28
32**-1000; 35**-1000	17 0001 0310	SJW-S 1000	291	70	140	22	20	34
36**-1000 <sup>8)</sup> ; 37**-1000 <sup>8)</sup>	17 0001 0320	4SJW-S 1000	291	70	140	22	20	34
38**-1000 <sup>10)</sup>	17 0001 0330	6SJW-S 1000	291	70	140	22	20	34

8) 4-Backenfutter

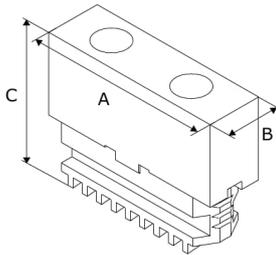
8) 4-jaw chuck

10) 6-Backenfutter

10) 6-jaw chuck

**Weiche geteilte Backen für selbstzentrierende Spiralspannfutter**

**Soft split jaws for self-centering scroll chucks**



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C
32**-125; 35**-125	<b>17 0001 0340</b>	SDM-S 125	64	22	60,1
36**-125 <sup>8)</sup> ; 37**-125 <sup>8)</sup>	<b>17 0001 0350</b>	4SDM-S 125	64	22	60,1
38**-125 <sup>10)</sup>	<b>17 0001 0360</b>	6SDM-S 125	64	22	60,1
3105-160 <sup>3)</sup>	<b>17 0001 0370</b>	2SDM-S 160	78	25	64,1
32**-160; 35**-160	<b>17 0000 3760</b>	SDM-S 160	78	25	64,1
36**-160 <sup>8)</sup> ; 37**-160 <sup>8)</sup>	<b>17 0001 0380</b>	4SDM-S 160	78	25	64,1
38**-160 <sup>10)</sup>	<b>17 0001 0390</b>	6SDM-S 160	78	25	64,1
3105-200 <sup>3)</sup>	<b>17 0001 0400</b>	2SDM-S 200	90	27	68,1
32**-200; 35**-200	<b>17 0000 3770</b>	SDM-S 200	90	27	68,1
36**-200 <sup>8)</sup> ; 37**-200 <sup>8)</sup>	<b>17 0001 0410</b>	4SDM-S 200	90	27	68,1
38**-200 <sup>10)</sup>	<b>17 0001 0420</b>	6SDM-S 200	90	27	68,1
3105-250 <sup>3)</sup>	<b>17 0001 0430</b>	2SDM-S 250	106	32,5	81,1
32**-250; 35**-250	<b>17 0000 3780</b>	SDM-S 250	106	32,5	81,1
36**-250 <sup>8)</sup> ; 37**-250 <sup>8)</sup>	<b>17 0001 0440</b>	4SDM-S 250	106	32,5	81,1
38**-250 <sup>10)</sup>	<b>17 0001 0450</b>	6SDM-S 250	106	32,5	81,1
3105-315 <sup>3)</sup>	<b>17 0001 0460</b>	2SDM-S 315	120	37	88,6
32**-315; 35**-315	<b>17 0000 3790</b>	SDM-S 315	120	37	88,6
36**-315 <sup>8)</sup> ; 37**-315 <sup>8)</sup>	<b>17 0001 0470</b>	4SDM-S 315	120	37	88,6
38**-315 <sup>10)</sup>	<b>17 0001 0480</b>	6SDM-S 315	120	37	88,6
3105-400 <sup>3)</sup>	<b>17 0001 0490</b>	2SDM-S 400	140	42	104
32**-400; 35**-400	<b>17 0001 0500</b>	SDM-S 400	140	42	104
36**-400 <sup>8)</sup> ; 37**-400 <sup>8)</sup>	<b>17 0001 0510</b>	4SDM-S 400	140	42	104
38**-400 <sup>10)</sup>	<b>17 0001 0520</b>	6SDM-S 400	140	42	104
32**-500; 35**-500	<b>17 0001 0530</b>	SDM-S 500	140	42	119
36**-500 <sup>8)</sup> ; 37**-500 <sup>8)</sup>	<b>17 0001 0540</b>	4SDM-S 500	140	42	119
38**-500 <sup>10)</sup>	<b>17 0001 0550</b>	6SDM-S 500	140	42	119
32**-630; 35**-630	<b>17 0001 0560</b>	SDM-S 630	160	52	127
36**-630 <sup>8)</sup> ; 37**-630 <sup>8)</sup>	<b>17 0001 0570</b>	4SDM-S 630	160	52	127
38**-630 <sup>10)</sup>	<b>17 0001 0580</b>	6SDM-S 630	160	52	127
32**-800; 35**-800	<b>17 0001 0590</b>	SDM-S 800	160	52	127
36**-800 <sup>8)</sup> ; 37**-800 <sup>8)</sup>	<b>17 0001 0600</b>	4SDM-S 800	160	52	127
38**-800 <sup>10)</sup>	<b>17 0001 0610</b>	6SDM-S 800	160	52	127
32**-1000; 35**-1000	<b>17 0001 0620</b>	SDM-S 1000	191	75	151,5
36**-1000 <sup>8)</sup> ; 37**-1000 <sup>8)</sup>	<b>17 0001 0630</b>	4SDM-S 1000	191	75	151,5
38**-1000 <sup>10)</sup>	<b>17 0001 0640</b>	6SDM-S 1000	191	75	151,5

**3) Zweibackenfutter**

**3) 2-jaw chuck**

**8) 4-Backenfutter**

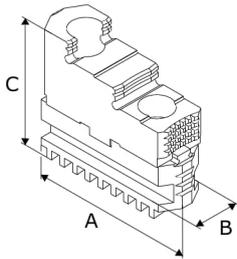
**8) 4-jaw chuck**

**10) 6-Backenfutter**

**10) 6-jaw chuck**

**Harte geteilte Backen für selbstzentrierende Spiralspannfutter**

**Hard split jaws for self-centering scroll chucks**



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C
32**-125; 35**-125	17 0001 0650	SDT-S 125	56	22	60,1
36**-125 <sup>8)</sup> ; 37**-125 <sup>8)</sup>	17 0001 0660	4SDT-S 125	56	22	60,1
38**-125 <sup>10)</sup>	17 0001 0670	6SDT-S 125	56	22	60,1
32**-160; 35**-160	17 0001 0680	SDT-S 160	67	25	64,1
36**-160 <sup>8)</sup> ; 37**-160 <sup>8)</sup>	17 0001 0690	4SDT-S 160	67	25	64,1
38**-160 <sup>10)</sup>	17 0001 0700	6SDT-S 160	67	25	64,1
32**-200; 35**-200	17 0001 0710	SDT-S 200	80	27	68,1
36**-200 <sup>8)</sup> ; 37**-200 <sup>8)</sup>	17 0001 0720	4SDT-S 200	80	27	68,1
38**-200 <sup>10)</sup>	17 0001 0730	6SDT-S 200	80	27	68,1
32**-250; 35**-250	17 0001 0740	SDT-S 250	95	32,5	81,1
36**-250 <sup>8)</sup> ; 37**-250 <sup>8)</sup>	17 0001 0750	4SDT-S 250	95	32,5	81,1
38**-250 <sup>10)</sup>	17 0001 0760	6SDT-S 250	95	32,5	81,1
32**-315; 35**-315	17 0001 0770	SDT-S 315	110	37	88,6
36**-315 <sup>8)</sup> ; 37**-315 <sup>8)</sup>	17 0001 0780	4SDT-S 315	110	37	88,6
38**-315 <sup>10)</sup>	17 0001 0790	6SDT-S 315	110	37	88,6
32**-400; 35**-400	17 0001 0800	SDT-S 400	127	42	104
36**-400 <sup>8)</sup> ; 37**-400 <sup>8)</sup>	17 0001 0810	4SDT-S 400	127	42	104
38**-400 <sup>10)</sup>	17 0001 0820	6SDT-S 400	127	42	104
32**-500; 35**-500	17 0001 0830	SDT-S 500	127	42	119
36**-500 <sup>8)</sup> ; 37**-500 <sup>8)</sup>	17 0001 0840	4SDT-S 500	127	42	119
38**-500 <sup>10)</sup>	17 0001 0850	6SDT-S 500	127	42	119
32**-630; 35**-630	17 0001 0860	SDT-S 630	127	52	127
36**-630 <sup>8)</sup> ; 37**-630 <sup>8)</sup>	17 0001 0870	4SDT-S 630	127	52	127
38**-630 <sup>10)</sup>	17 0001 0880	6SDT-S 630	127	52	127
32**-800; 35**-800	17 0001 0890	SDT-S 800	127	52	127
36**-800 <sup>8)</sup> ; 37**-800 <sup>8)</sup>	17 0001 0900	4SDT-S 800	127	52	127
38**-800 <sup>10)</sup>	17 0001 0910	6SDT-S 800	127	52	127
32**-1000; 35**-1000	17 0001 0920	SDT-S 1000	175	75	151,5
36**-1000 <sup>8)</sup> ; 37**-1000 <sup>8)</sup>	17 0001 0930	4SDT-S 1000	175	75	151,5
38**-1000 <sup>10)</sup>	17 0001 0940	6SDT-S 1000	175	75	151,5

3) Zweibackenfutter

3) 2-jaw chuck

8) 4-Backenfutter

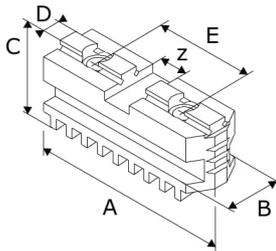
8) 4-jaw chuck

10) 6-Backenfutter

10) 6-jaw chuck

**Harte Grundbacken für selbstzentrierende Spiralspannfutter**

Hard master jaws for self-centering scroll chucks



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	Z
32**-125; 35**-125	<b>17 0000 3800</b>	SPT-S 125	54	20	28	7,94	32	M8	12,69
36**-125 <sup>8)</sup> ; 37**-125 <sup>8)</sup>	<b>17 0001 0950</b>	4SPT-S 125	54	20	28	7,94	32	M8	12,69
38**-125 <sup>10)</sup>	<b>17 0001 0960</b>	6SPT-S 125	54	20	28	7,94	32	M6	12,69
3105-160 <sup>3)</sup>	<b>17 0001 0970</b>	2SPT-S 160	65	20	29	7,94	38,1	M10	12,69
32**-160; 35**-160	<b>17 0000 3810</b>	SPT-S 160	65	20	29	7,94	38,1	M10	12,69
36**-160 <sup>8)</sup> ; 37**-160 <sup>8)</sup>	<b>17 0001 0980</b>	4SPT-S 160	65	20	29	7,94	38,1	M10	12,69
38**-160 <sup>10)</sup>	<b>17 0001 0990</b>	6SPT-S 160	65	20	29	7,94	38,1	M8	12,69
3105-200 <sup>3)</sup>	<b>17 0001 1000</b>	2SPT-S 200	79	25	33,5	7,94	44,5	M10	12,69
32**-200; 35**-200	<b>17 0000 3820</b>	SPT-S 200	79	25	33,5	7,94	44,5	M10	12,69
36**-200 <sup>8)</sup> ; 37**-200 <sup>8)</sup>	<b>17 0001 1010</b>	4SPT-S 200	79	25	33,5	7,94	44,5	M10	12,69
38**-200 <sup>10)</sup>	<b>17 0001 1020</b>	6SPT-S 200	79	25	33,5	7,94	44,5	M8	12,69
3105-250 <sup>3)</sup>	<b>17 0001 1030</b>	2SPT-S 250	92	28	36	12,7	54	M12	19,04
32**-250; 35**-250	<b>17 0000 3830</b>	SPT-S 250	92	28	36	12,7	54	M12	19,04
36**-250 <sup>8)</sup> ; 37**-250 <sup>8)</sup>	<b>17 0001 1040</b>	4SPT-S 250	92	28	36	12,7	54	M12	19,04
38**-250 <sup>10)</sup>	<b>17 0001 1050</b>	6SPT-S 250	92	28	36	12,7	54	M12	19,04
3105-315 <sup>3)</sup>	<b>17 0001 1060</b>	2SPT-S 315	110	32	40	12,7	63,5	M12	19,04
32**-315; 35**-315	<b>17 0000 3840</b>	SPT-S 315	110	32	40	12,7	63,5	M12	19,04
36**-315 <sup>8)</sup> ; 37**-315 <sup>8)</sup>	<b>17 0001 1070</b>	4SPT-S 315	110	32	40	12,7	63,5	M12	19,04
38**-315 <sup>10)</sup>	<b>17 0001 1080</b>	6SPT-S 315	110	32	40	12,7	63,5	M12	19,04
3105-400 <sup>3)</sup>	<b>17 0001 1090</b>	2SPT-S 400	130	36	49	12,7	76,2	M16	19,04
32**-400; 35**-400	<b>17 0000 3850</b>	SPT-S 400	130	36	49	12,7	76,2	M16	19,04
36**-400 <sup>8)</sup> ; 37**-400 <sup>8)</sup>	<b>17 0001 1100</b>	4SPT-S 400	130	36	49	12,7	76,2	M16	19,04
38**-400 <sup>10)</sup>	<b>17 0001 1110</b>	6SPT-S 400	130	36	49	12,7	76,2	M16	19,04
32**-500; 35**-500	<b>17 0000 5870</b>	SPT-S 500	166	40	54	12,7	76,2	M20	19,04
36**-500 <sup>8)</sup> ; 37**-500 <sup>8)</sup>	<b>17 0001 1120</b>	4SPT-S 500	166	40	54	12,7	76,2	M20	19,04
38**-500 <sup>10)</sup>	<b>17 0001 1130</b>	6SPT-S 500	166	40	54	12,7	76,2	M20	19,04
32**-630; 35**-630	<b>17 0000 3860</b>	SPT-S 630	210	50	54,5	12,7	76,2	M20	19,04
36**-630 <sup>8)</sup> ; 37**-630 <sup>8)</sup>	<b>17 0001 1140</b>	4SPT-S 630	210	50	54,5	12,7	76,2	M20	19,04
38**-630 <sup>10)</sup>	<b>17 0001 1150</b>	6SPT-S 630	210	50	54,5	12,7	76,2	M20	19,04
32**-800; 35**-800	<b>17 0001 1160</b>	SPT-S 800	225	50	54,5	12,7	76,2	M20	19,04
36**-800 <sup>8)</sup> ; 37**-800 <sup>8)</sup>	<b>17 0001 1170</b>	4SPT-S 800	225	50	54,5	12,7	76,2	M20	19,04
38**-800 <sup>10)</sup>	<b>17 0001 1180</b>	6SPT-S 800	225	50	54,5	12,7	76,2	M20	19,04
32**-1000; 35**-1000	<b>17 0001 1190</b>	SPT-S 1000	328	70	64,1	12,7	76,2	M22	19,04
36**-1000 <sup>8)</sup> ; 37**-1000 <sup>8)</sup>	<b>17 0001 1200</b>	4SPT-S 1000	328	70	64,1	12,7	76,2	M22	19,04
38**-1000 <sup>10)</sup>	<b>17 0001 1210</b>	6SPT-S 1000	328	70	64,1	12,7	76,2	M22	19,04

3) Zweibackenfutter  
8) 4-Backenfutter  
10) 6-Backenfutter

3) 2-jaw chuck  
8) 4-jaw chuck  
10) 6-jaw chuck



# FORKARDT

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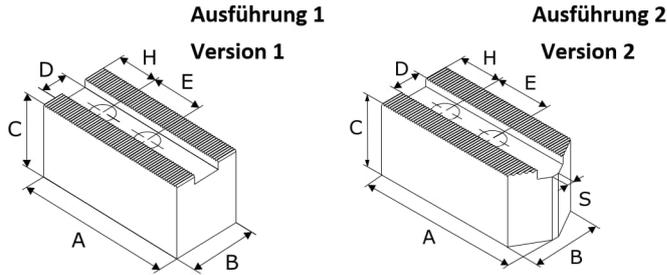
# Weiche Aufsatzbacken

## Soft top jaws

Verzahnung 90°

Serration 90°

Stahl/Steel C45



Futtertyp/Chuck type Verzahnung 1/16"x90° / Serration 1/16"x90°	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
KTH 130; KTH 140	17 0001 1740	MKS-C 160-1	55	30	38	12	15	M8	9	-	1
	17 0000 6090	MKS-C 160-2	55	30	55	12	15	M8	9	-	1
KTHS 130-33; KTHS 140-37; QLK 140-35 <sup>7)</sup>	17 0001 2340	MKS-C 130-2	60	32	32	12	19	M10	12	-	1
KTHS 160-46; KTHS 175-56	17 0000 5380	MKS-C 160-4	72	35	40	14	21	M12	15	-	1
KGF 160; KGF 175; KGHF 160; KGF 175; KL 160; KS 160; KSF 175; KSH 160; KSPS 160; KT 160; KTG 160; KTH 160; KTH 175; KTN 160; NH 160; NH 175; NHF 160; NHF 175; QLC 160-38; QLC 175; QLC-KT 160; QLC-LS 160-30; QLK 160-38; QLK 175; UVE 160	17 0000 5390	MKS-C 165-1	70	35	40	17	22	M12	15	-	1
	17 0000 5400	MKS-C 165-2	70	40	60	17	22	M12	15	-	1
	17 0000 6960	MTS-C 165-1	78	35	40	17	22	M12	15	4	2
2KTG 160 <sup>3)</sup> ; 2KTN 160 <sup>3)</sup> ; 2QLC-LS 160-30 <sup>3)</sup>	17 0000 6950	2MKS-C 160-1	70	60	60	17	22	M12	12	-	1
KG 200; KGF 200; KGHF 200; KL 200; KLNC 200; KP 200; KS 200; KS 250; KSF 200; KSH 200; KSHF 200; KSPS 200; KT 200; KTG 200; KTGF 200; KTH 200; KTH 250; KTH 315; KTN 200; NH 200; NHF 200; NHF 250-17; QLC 200-54; QLC-AG 200; QLC-KS 200-77; QLC-KS 250-101; QLC-KT 200 <sup>2)</sup> ; QLC-LS 200-41; QLK 200-54; QLK-KS 200-77; QLK-KS 250-101; UVE 200; UVE 250	17 0000 6970	MKS-C 200-2	90	40	40	17	22	M12	25	-	1
	17 0000 5440	MKS-C 200-3	90	40	60	17	22	M12	25	-	1
	17 0000 5430	MTS-C 200-1	98	35	40	17	22	M12	15	4	2
2KTG 200 <sup>3)</sup> ; 2KTGF 200 <sup>3)</sup> ; 2KTN 200 <sup>3)</sup> ; 2QLC-LS 200-41 <sup>3)</sup> ; 4KTG 200 <sup>12)</sup> ; 4KTN 200 <sup>12)</sup>	17 0000 6950	2MKS-C 160-1	70	60	60	17	22	M12	12	-	1
KTHS 200-66; KTHS 250-91; KTHS 315-91	17 0000 5410	MKS-C 200-5	90	40	80	17	24	M14	18	-	1
HF 315; KG 250; KG 315; KL 250; KLNC 250; KLNC 315; KP 250; KP 315; KS 315; KS 400; KSH 250; KSH 315; KSH 400; KSHF 250; KSHF 315; KSHF 400; KSPS 250; KSPS 300; KT 250; KT 315; KTG 250; KTG 315; KTGF 250; KTGF 315; KTN 250; KTN 315; NH 250; NH 315; NHF 250; NHF 315; QLC 250-72; QLC 315-88; QLC 400-126-21 <sup>7)</sup> ; QLC-AG 250; QLC-AG 315; QLC-KS 315-135; QLC-KS 400-168; QLC-KT 250 <sup>2)</sup> ; QLC-KT 315 <sup>2)</sup> ; QLC-KT 400-21 <sup>2),7)</sup> ; QLC-LS 250-52; QLC-LS 315-71; QLK 250-72; QLK 315-88; QLK 400-126-21 <sup>7)</sup> ; QLK-KS 315-135; QLK-KS 400-168; UVE 315	17 0001 1730	MKS-C 250-2	95	50	60	21	28	M16	15	-	1
	17 0000 6980	MTS-C 250-1	120	50	50	21	28	M16	20	4	2
	17 0000 5240	MKS-C 250-3	120	50	80	21	28	M16	30	-	1
2BLE 200 <sup>3)</sup> ; 2BLN 200 <sup>3)</sup> ; 2KTG 250 <sup>3)</sup> ; 2KTG 315 <sup>3)</sup> ; 2KTGF 250 <sup>3)</sup> ; 2KTGF 315 <sup>3)</sup> ; 2KTN 250 <sup>3)</sup> ; 2KTN 315 <sup>3)</sup> ; 2QLC-LS 250-52 <sup>3)</sup> ; 2QLC-LS 315-71 <sup>3)</sup> ; 4KTG 250 <sup>12)</sup> ; 4KTG 315 <sup>12)</sup> ; 4KTN 250 <sup>12)</sup> ; 4KTN 315 <sup>12)</sup>	17 0000 6990	2MKS-C 200-1	95	80	80	21	28	M16	22	-	1
	17 0000 0090	2MKS-C 250-1	110	80	80	25,5	35	M20	20	-	1
	17 0000 0670	2MKS-C 315-1	125	80	80	25,5	35	M20	28	-	1
2BLE 400 <sup>3)</sup> ; 2BLN 400 <sup>3)</sup> ; 2BLN 500 <sup>3)</sup>	17 0000 0680	2MKS-C 400-1	150	80	80	25,5	35	M20	28	-	1

# Weiche Aufsatzbacken

Verzahnung 90°

## Soft top jaws

Serration 90°

Futtertyp/Chuck type Verzahnung 3/32"x90° / Serration 3/32"x90°	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
KG 400; KG 500; KL 400; KL 500; KLNC 400; KLNC 500; KP 400; KP 500; KS 500; KS 630; KS-L 630; KSH 500; KSHF 630; KSPS 400; KT 400; KT 500; KT 630; KTG 400; KTG 500; KTG 630; KTGf 400; KTGf 500; KTGf 630; KTN 400; KTN 500; KTN 630; NH 400; NH 500; NH 630; NHF 400; NHF 500; NHF 630; QLC 400-126-25,5 <sup>7)</sup> ; QLC-KT 400-25,5 <sup>2),7)</sup> ; QLK 400-126-25,5 <sup>7)</sup> ; UVE 400; UVE 500; UVE 630; UVE 800	<b>17 0000 7000</b>	MKS-C 400-1	140	60	80	25,5	35	M20	30	-	1
	<b>17 0000 7010</b>	MKS-C 400-2	155	60	90	25,5	35	M20	30	-	1

2) auch mit Kreuzversatz erhältlich

2) Chuck is also available with tongue/groove connection

3) Zweibackenfutter

3) 2-jaw chuck

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

12) 4-Backenfutter – bitte 2 Sätze bestellen

12) 4-jaw chuck – please order 2 sets per 2 pcs

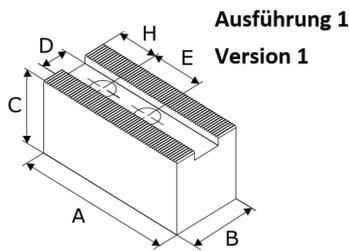
# Weiche Aufsatzbacken

## Soft top jaws

Verzahnung 90°

Serration 90°

Aluminium / Aluminum



Futtertyp/Chuck type Verzahnung 1/16"x90° / Serration 1/16"x90°	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
KGH 160; KGH 175; KGHF 160; KGHF 175; KL 160; KS 160; KSF 175; KSH 160; KSPS 160; KT 160; KTG 160; KTH 160; KTH 175; KTN 160; NH 160; NH 175; NHF 160; NHF 175; QLC 160-38; QLC 175; QLC-KT 160; QLC-LS 160-30; QLK 160-38; QLK 175; UVE 160	<b>17 0000 6270</b>	MKA-C 165-1	70	40	60	17	22	M12	15	-	1
KG 200; KGH 200; KGHF 200; KL 200; KLNC 200; KP 200; KS 200; KS 250; KSF 200; KSH 200; KSHF 200; KSPS 200; KT 200; KTG 200; KTGF 200; KTH 200; KTH 250; KTH 315; KTN 200; NH 200; NHF 200; NHF 250-17; QLC 200-54; QLC-AG 200; QLC-KS 200-77; QLC-KS 250-101; QLC-KT 200 <sup>2)</sup> ; QLC-LS 200-41; QLK 200-54; QLK-KS 200-77; QLK-KS 250-101; UVE 200; UVE 250	<b>17 0000 6280</b>	MKA-C 200-2	90	40	60	17	22	M12	25	-	1
HF 315; KG 250; KG 315; KL 250; KLNC 250; KLNC 315; KP 250; KP 315; KS 315; KS 400; KSH 250; KSH 315; KSH 400; KSHF 250; KSHF 315; KSHF 400; KSPS 250; KSPS 300; KT 250; KT 315; KTG 250; KTG 315; KTGF 250; KTGF 315; KTN 250; KTN 315; NH 250; NH 315; NHF 250; NHF 315; QLC 250-72; QLC 315-88; QLC 400-126-21 <sup>7)</sup> ; QLC-AG 250; QLC-AG 315; QLC-KS 315-135; QLC-KS 400-168; QLC-KT 250 <sup>2)</sup> ; QLC-KT 315 <sup>2)</sup> ; QLC-KT 400-21 <sup>2),7)</sup> ; QLC-LS 250-52; QLC-LS 315-71; QLK 250-72; QLK 315-88; QLK 400-126-21 <sup>7)</sup> ; QLK-KS 315-135; QLK-KS 400-168; UVE 315	<b>17 0000 6290</b>	MKA-C 250-1	125	50	80	21	28	M16	30	-	1
<b>Verzahnung 3/32"x90° / Serration 3/32"x90°</b>											
KG 400; KG 500; KL 400; KL 500; KLNC 400; KLNC 500; KP 400; KP 500; KS 500; KS 630; KS-L 630; KSH 500; KSHF 630; KSPS 400; KT 400; KT 500; KT 630; KTG 400; KTG 500; KTG 630; KTGF 400; KTGF 500; KTGF 630; KTN 400; KTN 500; KTN 630; NH 400; NH 500; NH 630; NHF 400; NHF 500; NHF 630; QLC 400-126-25,5 <sup>7)</sup> ; QLC-KT 400-25,5 <sup>2),7)</sup> ; QLK 400-126-25,5 <sup>7)</sup> ; UVE 400; UVE 500; UVE 630; UVE 800	<b>17 0000 7050</b>	MKA-C 400-1	155	60	100	25,5	35	M20	30	-	1

2) auch mit Kreuzversatz erhältlich

2) Chuck is also available with tongue/groove connection

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

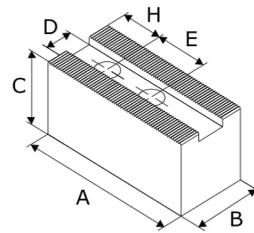
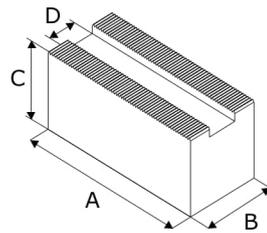
# Weiche Aufsatzbacken gebohrt oder ungebohrt

Soft jaw blanks, without or with bolt holes

Verzahnung 90°

Serration 90°

Stahl / Steel C45



**Ungebohrt**

Without bolt holes

**Gebohrt**

With bolt holes

**Futtertyp / Chuck type**

Verzahnung 1/16"x90° / Serration 1/16"x90°

	Index / Id.-No	Typ/Type	Index / Id.-No	Typ/Type	A	B	C	D
KTHS 160-46; KTTHS 175-56	<b>17 0000 4800</b>	MBS-C 165-1	<b>17 0000 4801</b>	MWS-C 165-1	80	40	40	14
2KTG 160 <sup>3)</sup> ; 2KTG 200 <sup>3)</sup> ; 2KTGF 200 <sup>3)</sup> ; 2KTN 160 <sup>3)</sup> ; 2KTN 200 <sup>3)</sup> ; 2QLC-LS 160-30 <sup>3)</sup> ; 2QLC-LS 200-41 <sup>3)</sup> ; 4KTG 200 <sup>8)</sup> ; 4KTN 200 <sup>8)</sup> ; KG 200; KGH 160; KGH 175; KGH 200; KGHF 160; KGHF 175; KGHF 200; KL 160; KL 200; KLNC 200; KP 200; KS 160; KS 200; KS 250; KSF 175; KSF 200; KSH 160; KSH 200; KSHF 200; KSPS 160; KSPS 200; KT 160; KT 200; KTG 160; KTG 200; KTGF 200; KTH 160; KTH 175; KTH 200; KTH 250; KTH 315; KTTHS 200-66; KTTHS 250-91; KTTHS 315-91; KTN 160; KTN 200; NH 160; NH 175; NH 200; NHF 160; NHF 175; NHF 200; NHF 250-17; QLC 160-38; QLC 175; QLC 200-54; QLC-AG 200; QLC-KS 200-77; QLC-KS 250-101; QLC-KT 160; QLC-KT 200 <sup>2)</sup> ; QLC-LS 160-30; QLC-LS 200-41; QLK 160-38; QLK 175; QLK 200-54; QLK-KS 200-77; QLK-KS 250-101; UVE 160; UVE 200; UVE 250	<b>17 0000 4810</b>	MBS-C 200-1	<b>17 0000 4811</b>	MWS-C 200-1	70	40	40	17
	<b>17 0000 4820</b>	MBS-C 200-2	<b>17 0000 4821</b>	MWS-C 200-2	70	40	60	17
	<b>17 0000 4830</b>	MBS-C 200-3	<b>17 0000 4831</b>	MWS-C 200-3	90	40	40	17
	<b>17 0000 4840</b>	MBS-C 200-4	<b>17 0000 4841</b>	MWS-C 200-4	90	40	60	17
	<b>17 0000 4850</b>	MBS-C 200-5	<b>17 0000 4851</b>	MWS-C 200-5	90	40	80	17
	<b>17 0000 4860</b>	MBS-C 200-6	<b>17 0000 4861</b>	MWS-C 200-6	90	40	100	17
	<b>17 0000 4870</b>	MBS-C 200-7	<b>17 0000 4871</b>	MWS-C 200-7	90	40	120	17
	<b>17 0000 4880</b>	MBS-C 200-8	<b>17 0000 4881</b>	MWS-C 200-8	105	40	40	17
	<b>17 0000 4890</b>	MBS-C 200-9	<b>17 0000 4891</b>	MWS-C 200-9	105	40	60	17
2BLE 200 <sup>3)</sup> ; 2BLN 200 <sup>3)</sup> ; 2KTG 250 <sup>3)</sup> ; 2KTG 315 <sup>3)</sup> ; 2KTGF 250 <sup>3)</sup> ; 2KTGF 315 <sup>3)</sup> ; 2KTN 250 <sup>3)</sup> ; 2KTN 315 <sup>3)</sup> ; 2QLC-LS 250-52 <sup>3)</sup> ; 2QLC-LS 315-71 <sup>3)</sup> ; 4KTG 250 <sup>8)</sup> ; 4KTG 315 <sup>8)</sup> ; 4KTN 250 <sup>8)</sup> ; 4KTN 315 <sup>8)</sup> ; HF 315; KG 250; KG 315; KL 250; KLNC 250; KLNC 315; KP 250; KP 315; KS 315; KS 400; KSH 250; KSH 315; KSH 400; KSHF 250; KSHF 315; KSHF 400; KSPS 250; KSPS 300; KT 250; KT 315; KTG 250; KTG 315; KTGF 250; KTGF 315; KTN 250; KTN 315; NH 250; NH 315; NHF 250; NHF 315; QLC 250-72; QLC 315-88; QLC 400-126-21 <sup>7)</sup> ; QLC-AG 250; QLC-AG 315; QLC-KS 315-135; QLC-KS 400-168; QLC-KT 250 <sup>2)</sup> ; QLC-KT 315 <sup>2)</sup> ; QLC-KT 400-21 <sup>2)</sup> ; QLC-LS 250-52; QLC-LS 315-71; QLK 250-72; QLK 315-88; QLK 400-126-21 <sup>7)</sup> ; QLK-KS 315-135; QLK-KS 400-168; UVE 315	<b>17 0000 4900</b>	MBS-C 250-1	<b>17 0000 4901</b>	MWS-C 250-1	90	45	45	21
	<b>17 0000 4910</b>	MBS-C 250-2	<b>17 0000 4911</b>	MWS-C 250-2	90	45	80	21
	<b>17 0000 4920</b>	MBS-C 250-3	<b>17 0000 4921</b>	MWS-C 250-3	110	45	45	21
	<b>17 0000 4930</b>	MBS-C 250-4	<b>17 0000 4931</b>	MWS-C 250-4	110	45	80	21
	<b>17 0000 4940</b>	MBS-C 250-5	<b>17 0000 4941</b>	MWS-C 250-5	125	50	50	21
	<b>17 0000 4950</b>	MBS-C 250-6	<b>17 0000 4951</b>	MWS-C 250-6	125	50	80	21
	<b>17 0000 4960</b>	MBS-C 250-7	<b>17 0000 4961</b>	MWS-C 250-7	125	50	100	21
	<b>17 0000 4970</b>	MBS-C 250-8	<b>17 0000 4971</b>	MWS-C 250-8	125	50	120	21
	<b>17 0000 4980</b>	MBS-C 250-9	<b>17 0000 4981</b>	MWS-C 250-9	140	50	60	21
	<b>17 0000 4990</b>	MBS-C 250-10	<b>17 0000 4991</b>	MWS-C 250-10	140	50	80	21

2) auch mit Kreuzversatz erhältlich

3) Zweibackenfutter

7) Bitte überprüfen Sie die Anschlussmaße

8) 4-Backenfutter

2) Chuck is also available with tongue/groove connection

3) 2-jaw chuck

7) Please check the connecting dimensions

8) 4-jaw chuck

Für gebohrte Backenrohlinge geben Sie bitte die Maße H und E an

Nutbreite 14 mm

Bohrung für M12

Mindestwert:

H = 12 mm, E = 19 mm

Nutbreite 17 mm

Bohrung für M12

Mindestwert:

H = 12 mm, E = 19 mm

For jaws with bolt holes please indicate H and E dimensions

Slot width 14 mm

bored for M12

Minimum values:

H = 12 mm, E = 19 mm

Slot width 17 mm

bored for M12

Minimum values:

H = 12 mm, E = 19 mm

Nutbreite 21 mm

Bohrung für M16

Mindestwert:

H = 15 mm, E = 25 mm

Slot width 21 mm

bored for M16

Minimum values:

H = 15 mm, E = 25 mm

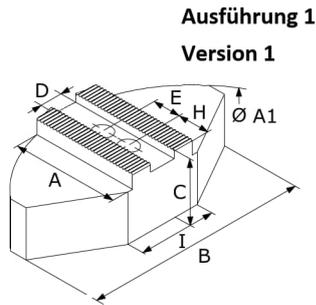
# Segmentbacken

Soft full grip jaws

Verzahnung 90°

Serration 90°

Stahl / Steel C45



Futtertyp / Chuck type	Index / Id.-No	Typ/Type	A	B	C	D	E	Schrauben / Screws	H	I	A1	Ausführung / Version
<b>Verzahnung 1/16" x 90° / Serration 1/16" x 90°</b>												
KGH 160; KGH 175; KGHF 160; KGHF 175; KL 160; KS 160; KSF 175; KSH 160; KSPS 160; KT 160; KTG 160; KTH 160; KTH 175; KTN 160; NH 160; NH 175; NHF 160; NHF 175; QLC 160-38; QLC 175; QLC-KT 160; QLC-LS 160-30; QLK 160-38; QLK 175; UVE 160	<b>17 0000 6590</b>	GPS-C 165-1	60	120	60	17	22	M12	25	40	160	1
KG 200; KGH 200; KGHF 200; KL 200; KLNC 200; KP 200; KS 200; KSF 200; KSH 200; KSHF 200; KSPS 200; KT 200; KTG 200; KTGf 200; KTH 200; KTN 200; NH 200; NHF 200; QLC 200-54; QLC-AG 200; QLC-KS 200-77; QLC-KT 200 <sup>2)</sup> ; QLC-LS 200-41; QLK 200-54; QLK-KS 200-77; UVE 200	<b>17 0000 1300</b>	GPS-C 200-1	70	140	60	17	22	M12	35	64	200	1
	<b>17 0000 6560</b>	GPS-C 200-2	70	140	75	17	22	M12	35	64	200	1
KS 250; KTH 250; KTH 315; NHF 250-17; QLC-KS 250-101; QLK-KS 250-101; UVE 250	<b>17 0000 7390</b>	GPS-C 250-1	79	180	60	17	22	M12	44,5	104	250	1
KG 250; KL 250; KLNC 250; KP 250; KSH 250; KSHF 250; KSPS 250; KT 250; KTG 250; KTGf 250; KTN 250; NH 250; NHF 250; QLC 250-72; QLC-AG 250; QLC-KT 250 <sup>2)</sup> ; QLC-LS 250-52; QLK 250-72	<b>17 0000 1310</b>	GPS-C 250-2	80	180	70	21	28	M16	30	104	250	1
	<b>17 0000 6570</b>	GPS-C 250-3	80	180	100	21	28	M16	30	104	250	1
HF 315; KG 315; KLNC 315; KP 315; KS 315; KS 400; KSH 315; KSH 400; KSHF 315; KSHF 400; KSPS 300; KT 315; KTG 315; KTGf 315; KTN 315; NH 315; NHF 315; QLC 315-88; QLC 400-126-21 <sup>7)</sup> ; QLC-AG 315; QLC-KS 315-135; QLC-KS 400-168; QLC-KT 315 <sup>2)</sup> ; QLC-KT 400-21 <sup>2),7)</sup> ; QLC-LS 315-71; QLK 315-88; QLK 400-126-21 <sup>7)</sup> ; QLK-KS 315-135; QLK-KS 400-168; UVE 315	<b>17 0000 1320</b>	GPS-C 315-1	110	240	70	21	28	M16	60	120	320	1
<b>Verzahnung 3/32" x 90° / Serration 3/32" x 90°</b>												
KG 400; KG 500; KL 400; KL 500; KLNC 400; KLNC 500; KP 400; KP 500; KS 500; KS 630; KS-L 630; KSH 500; KSHF 630; KSPS 400; KT 400; KT 500; KT 630; KTG 400; KTG 500; KTG 630; KTGf 400; KTGf 500; KTGf 630; KTN 400; KTN 500; KTN 630; NH 400; NH 500; NH 630; NHF 400; NHF 500; NHF 630; QLC 400-126-25,5 <sup>7)</sup> ; QLC-KT 400-25,5 <sup>2),7)</sup> ; QLK 400-126-25,5 <sup>7)</sup> ; UVE 400; UVE 500; UVE 630; UVE 800	<b>17 0001 1690</b>	GPS-C 400-1	155	330	85	25,5	35	M20	85	150	440	1

2) auch mit Kreuzversatz erhältlich

7) Bitte überprüfen Sie die Anschlussmaße

2) Chuck is also available with tongue/groove connection

7) Please check the connecting dimensions

# Segmentbacken

Soft full grip jaws

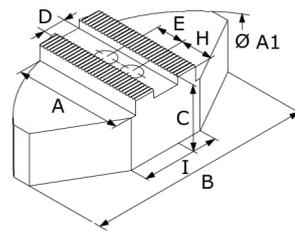
Verzahnung 90°

Serration 90°

Aluminium / Aluminum

Ausführung 1

Version 1



Futtertyp / Chuck type	Index / Id.-No	Typ/Type	A	B	C	D	E	Schrauben / Screws	H	I	A1	Ausführung / Version
<b>Verzahnung 1/16" x 90° / Serration 1/16" x 90°</b>												
KGH 160; KGH 175; KGHF 160; KGHF 175; KL 160; KS 160; KSF 175; KSH 160; KSPS 160; KT 160; KTG 160; KTH 160; KTH 175; KTN 160; NH 160; NH 175; NHF 160; NHF 175; QLC 160-38; QLC 175; QLC-KT 160; QLC-LS 160-30; QLK 160-38; QLK 175; UVE 160	<b>17 0000 6310</b>	GPA-C 165-1	59,5	120	58	17	22	M12	22	40	165	1
KG 200; KGH 200; KGHF 200; KL 200; KLNC 200; KP 200; KS 200; KS 250; KSF 200; KSH 200; KSHF 200; KSPS 200; KT 200; KTG 200; KTGF 200; KTH 200; KTH 250; KTH 315; KTN 200; NH 200; NHF 200; NHF 250-17; QLC 200-54; QLC-AG 200; QLC-KS 200-77; QLC-KS 250-101; QLC-KT 200 <sup>2)</sup> ; QLC-LS 200-41; QLK 200-54; QLK-KS 200-77; QLK-KS 250-101; UVE 200; UVE 250	<b>17 0000 6320</b>	GPA-C 200-1	72,5	140	58	17	22	M12	35	50	200	1
	<b>17 0000 6330</b>	GPA-C 200-2	72,5	140	75	17	22	M12	35	50	200	1
KG 250; KL 250; KLNC 250; KP 250; KSH 250; KSHF 250; KSPS 250; KT 250; KTG 250; KTGF 250; KTN 250; NH 250; NHF 250; QLC 250-72; QLC-AG 250; QLC-KT 250 <sup>2)</sup> ; QLC-LS 250-52; QLK 250-72	<b>17 0000 6340</b>	GPA-C 250-1	87,5	180	78	21	28	M16	40	70	250	1
	<b>17 0000 6350</b>	GPA-C 250-2	87,5	180	100	21	28	M16	40	70	250	1
HF 315; KG 315; KLNC 315; KP 315; KS 315; KS 400; KSH 315; KSH 400; KSHF 315; KSHF 400; KSPS 300; KT 315; KTG 315; KTGF 315; KTN 315; NH 315; NHF 315; QLC 315-88; QLC 400-126-21 <sup>7)</sup> ; QLC-AG 315; QLC-KS 315-135; QLC-KS 400-168; QLC-KT 315 <sup>2)</sup> ; QLC-KT 400-21 <sup>2),7)</sup> ; QLC-LS 315-71; QLK 315-88; QLK 400-126-21 <sup>7)</sup> ; QLK-KS 315-135; QLK-KS 400-168; UVE 315	<b>17 0000 6360</b>	GPA-C 315-1	117	240	78	21	28	M16	70	80	320	1
<b>Verzahnung 3/32" x 90° / Serration 3/32" x 90°</b>												
KG 400; KG 500; KL 400; KL 500; KLNC 400; KLNC 500; KP 400; KP 500; KS 500; KS 630; KS-L 630; KSH 500; KSHF 630; KSPS 400; KT 400; KT 500; KT 630; KTG 400; KTG 500; KTG 630; KTGF 400; KTGF 500; KTGF 630; KTN 400; KTN 500; KTN 630; NH 400; NH 500; NH 630; NHF 400; NHF 500; NHF 630; QLC 400-126-25,5 <sup>7)</sup> ; QLC-KT 400-25,5 <sup>2),7)</sup> ; QLK 400-126-25,5 <sup>7)</sup> ; UVE 400; UVE 500; UVE 630; UVE 800	<b>17 0001 1770</b>	GPA-C 400-1	160	330	98	25,5	35	M20	85	150	440	1

2) auch mit Kreuzversatz erhältlich

7) Bitte überprüfen Sie die Anschlussmaße

2) Chuck is also available with tongue/groove connection

7) Please check the connecting dimensions

# Harte Aufsatzbacken

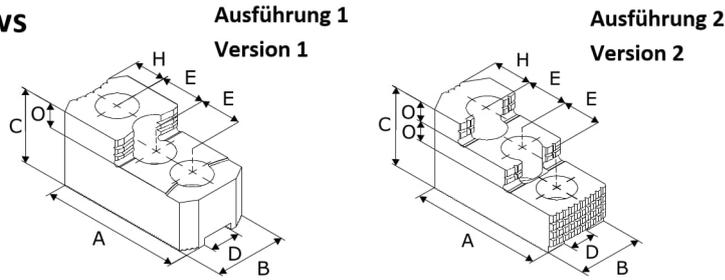
## Hard stepped top jaws

Verzahnung 90°

Serration 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



### Futtertyp / Chuck type

Verzahnung 1/16"x90° / Serration 1/16"x90°

Index / Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	O	Ausführung Version
KGH 160; KGH 175; KGHF 160; KGHF 175; KL 160; KS 160; KSF 175; KSH 160; KSPS 160; KT 160; KTG 160; KTH 160; KTH 175; KTN 160; NH 160; NH 175; NHF 160; NHF 175; QLC 160-38; QLC 175; QLC-KT 160; QLC-LS 160-30; QLK 160-38; QLK 175; UVE 160	<b>17 0000 7460</b> SGT-C 165-1	64,7	35	40	17	19	M12	28	10	2
	<b>17 0000 7470</b> SGT-C 165-2	72,5	40	49	17	19	M12	18	12	2
KG 200; KGH 200; KGHF 200; KL 200; KLNC 200; KP 200; KS 200; KS 250; KSF 200; KSH 200; KSHF 200; KSPS 200; KT 200; KTG 200; KTGF 200; KTH 200; KTH 250; KTH 315; KTN 200; NH 200; NHF 200; NHF 250-17; QLC 200-54; QLC-AG 200; QLC-KS 200-77; QLC-KS 250-101; QLC-KT 200 <sup>2)</sup> ; QLC-LS 200-41; QLK 200-54; QLK-KS 200-77; QLK-KS 250-101; UVE 200; UVE 250	<b>17 0000 1480</b> SGT-C 200-1	83	40	46	17	23	M12	20	10,5	2
KG 250; KL 250; KLNC 250; KP 250; KSH 250; KSHF 250; KSPS 250; KT 250; KTG 250; KTGF 250; KTN 250; NH 250; NHF 250; QLC 250-72; QLC-AG 250; QLC-KT 250 <sup>2)</sup> ; QLC-LS 250-52; QLK 250-72	<b>17 0000 1490</b> SGT-C 250-1	106	45	56	21	30	M16	27	13,5	2
HF 315; KG 315; KLNC 315; KP 315; KS 315; KS 400; KSH 315; KSH 400; KSHF 315; KSHF 400; KSPS 300; KT 315; KTG 315; KTGF 315; KTN 315; NH 315; NHF 315; QLC 315-88; QLC 400-126-21 <sup>7)</sup> ; QLC-AG 315; QLC-KS 315-135; QLC-KS 400-168; QLC-KT 315 <sup>2)</sup> ; QLC-KT 400-21 <sup>2),7)</sup> ; QLC-LS 315-71; QLK 315-88; QLK 400-126-21 <sup>7)</sup> ; QLK-KS 315-135; QLK-KS 400-168; UVE 315	<b>17 0000 1500</b> SGT-C 315-1	124	50	56	21	30	M16	45	13,5	2
<b>Verzahnung 3/32"x90° / Serration 3/32"x90°</b>										
KG 400; KG 500; KL 400; KL 500; KLNC 400; KLNC 500; KP 400; KP 500; KS 500; KS 630; KS-L 630; KSH 500; KSHF 630; KSPS 400; KT 400; KT 500; KT 630; KTG 400; KTG 500; KTG 630; KTGF 400; KTGF 500; KTGF 630; KTN 400; KTN 500; KTN 630; NH 400; NH 500; NH 630; NHF 400; NHF 500; NHF 630; QLC 400-126-25,5 <sup>7)</sup> ; QLC-KT 400-25,5 <sup>2),7)</sup> ; QLK 400-126-25,5 <sup>7)</sup> ; UVE 400; UVE 500; UVE 630; UVE 800	<b>17 0000 1520</b> SGT-C 400-1	141	60	75	25,5	38	M20	38	19	2
	<b>17 0000 1530</b> SGT-C 600-1	146	74	74	25,5	38	M20	47	32	1

2) auch mit Kreuzversatz erhältlich

7) Bitte überprüfen Sie die Anschlussmaße

2) Chuck is also available with tongue/groove connection

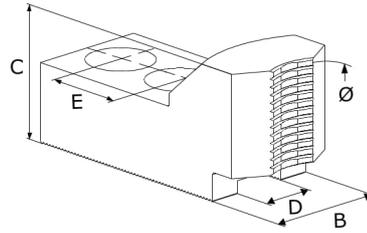
7) Please check the connecting dimensions

# Harte Spannbacken-Stangenspannung

## Hard jaws for bar clamping

Verzahnung 1/16"x90°  
Serration 1/16"x90°

Stahl 16MnCr5, gehärtet  
Steel 16MnCr5, hardened



Futkertyp / Chuck type ab Ø 160mm / from Ø 160mm	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ	B	C	D	E	Schrauben Screws
KGH 160; KGHF 160	5 – 22	174	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	14 – 38	174	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
KGH 175; KGHF 175	5 – 33	184	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	14 – 48	184	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
KL 160	5 – 16	168	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	14 – 32	168	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
KS 160	5 – 14	166	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	14 – 30	166	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
KSF 175	5 – 33	184	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	14 – 48	184	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
KSH 160	5 – 16	168	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	14 – 32	168	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
KT 160; KTG 160	5 – 18	170	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	14 – 34	170	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
KTH 160	8 – 30	181	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	25 – 45	181	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
KTH 175	8 – 37	188	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	25 – 52	188	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
KTN 160	5 – 18	170	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	14 – 34	170	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
NH 160; NHF 160	5 – 22	174	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	16 – 38	174	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
NH 175; NHF 175	9 – 37	188	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	26 – 52	188	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
QLC 160-38	5 – 27	178	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	18 – 42	178	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
QLC 175	5 – 37	188	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	16 – 52	188	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
QLC-KT 160	5 – 41	192	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	14 – 56	192	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
QLC-LS 160-30	5 – 27	178	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	18 – 42	178	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
QLK 160-38	5 – 27	178	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	18 – 42	178	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
QLK 175	5 – 37	188	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	16 – 52	188	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
<b>ab Ø 200mm / from Ø 200mm</b>									
KG 200	5 – 12	204	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 32	204	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
KGH 200; KGHF 200	5 – 20	212	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 40	212	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12

# Harte Spannbacken-Stangenspannung

## Hard jaws for bar clamping

Verzahnung 1/16"x90°  
Serration 1/16"x90°

Futtertyp / Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ	B	C	D	E	Schrauben Screws
KL 200	5 – 12	204	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 32	204	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
KLNC 200	5 – 12	204	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 32	204	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
KP 200	5 – 15	207	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 35	207	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
KS 200	5 – 12	204	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 32	204	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
KSF 200	5 – 16	208	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 36	208	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
KSH 200	5 – 12	204	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 32	204	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
KT 200; KTG 200; KTGF 200	5 – 16	208	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 36	208	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
KTH 200	5 – 24	216	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	17 – 43	216	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
KTN 200	5 – 16	208	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 36	208	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
NH 200; NHF 200	5 – 20	212	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 40	212	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
QLC 200-54	5 – 31	223	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 50	223	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
QLC-AG 200	5 – 29	221	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 48	221	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
QLC-KS 200-77	7 – 31	223	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	28 – 50	223	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
QLC-KT 200 <sup>2)</sup>	5 – 13	205	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 33	205	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
QLC-LS 200-41	5 – 30	222	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 49	222	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
QLK 200-54	5 – 31	223	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 50	223	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
QLK-KS 200-77	7 – 31	223	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	28 – 50	223	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
<b>ab Ø 250mm / from Ø 250mm</b>									
KG 250	5 – 25	256	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 50	256	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
KL 250	5 – 25	256	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 50	256	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
KLNC 250	5 – 25	256	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 50	256	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
KP 250	5 – 28	259	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 52	259	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
KS 250	5 – 61	252	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 79	252	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
KSH 250	5 – 35	266	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 59	266	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
KSHF 250	5 – 33	264	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 57	264	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
KT 250; KTG 250; KTGF 250; KTN 250	5 – 29	260	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 53	260	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16

**Harte Spannbacken-Stangenspannung**

Verzahnung 1/16"x90°

**Hard jaws for bar clamping**

Serration 1/16"x90°

Futtertyp / Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ	B	C	D	E	Schrauben Screws
NH 250; NHF 250	5 – 26	257	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 51	257	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
QLC 250-72	5 – 43	274	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	24 – 67	274	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
QLC-AG 250	5 – 43	274	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 67	274	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
QLC-KS 250-101	35 – 78	269	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	56 – 96	269	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
QLC-KT 250 <sup>2)</sup>	5 – 28	259	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 52	259	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
QLC-LS 250-52	5 – 43	273	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 66	273	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
QLK 250-72	5 – 43	274	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	24 – 67	274	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
QLK-KS 250-101	35 – 78	269	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	56 – 96	269	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
<b>ab Ø 315mm / from Ø 315mm</b>									
KG 315	5 – 39	328	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 58	328	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
KLNC 315	5 – 39	328	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 58	328	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
KP 315	5 – 43	332	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 62	332	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
KS 315	5 – 38	327	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 57	327	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
KSH 315	5 – 49	338	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 68	338	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
KSHF 315	5 – 48	337	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 67	337	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
KT 315; KTG 315; KTGF 315; KTN 315	5 – 42	331	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 61	331	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
NH 315; NHF 315	5 – 47	336	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 66	336	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
QLC 315-88	5 – 55	344	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 74	344	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
QLC-AG 315	5 – 45	334	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 64	334	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
QLC-KS 315-135	10 – 55	344	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	31 – 74	344	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
QLC-KT 315 <sup>2)</sup>	5 – 42	331	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 61	331	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
QLC-LS 315-71	5 – 54	343	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 73	343	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
QLK 315-88	5 – 55	344	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 74	344	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
QLK-KS 315-135	10 – 55	344	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	31 – 74	344	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
<b>ab Ø 400mm / from Ø 400mm</b>									
KS 400	5 – 122	411	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 140	411	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16

# Harte Spannbacken-Stangenspannung

Verzahnung 1/16"x90°

## Hard jaws for bar clamping

Serration 1/16"x90°

Futtertyp / Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ	B	C	D	E	Schrauben Screws
KSH 400	5 - 134	423	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 - 151	423	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
KSHF 400	5 - 134	423	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 - 151	423	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
QLC 400-126-21 <sup>7)</sup>	10 - 127	416	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	31 - 145	416	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
QLC-KS 400-168	42 - 135	424	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	63 - 152	424	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
QLC-KT 400-21 <sup>2),7)</sup>	5 - 127	416	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 - 145	416	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
QLK 400-126-21 <sup>7)</sup>	10 - 127	416	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	31 - 145	416	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
QLK-KS 400-168	42 - 135	424	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	63 - 152	424	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16

2) auch mit Kreuzversatz erhältlich

2) Chuck is also available with tongue/groove connection

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Harte Spannbacken-Stangenspannung

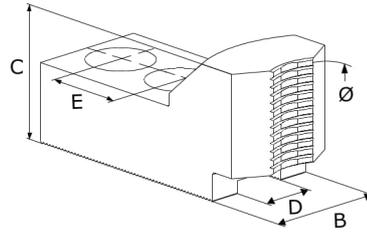
## Hard jaws for bar clamping

Verzahnung 3/32"x90°

Serration 3/32"x90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp / Chuck type ab Ø 400mm / from Ø 400mm	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ	B	C	D	E	Schrauben Screws
KG 400	34 – 107	428	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KL 400; KLNC 400	34 – 107	428	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KT 400; KTG 400; KTGF 400; KTN 400	34 – 111	432	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
NH 400; NHF 400	34 – 111	432	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
QLC 400-126-25,5 <sup>7)</sup>	34 – 108	429	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
QLC-KT 400-25,5 <sup>2),7)</sup>	34 – 110	431	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
QLK 400-126-25,5 <sup>7)</sup>	34 – 108	429	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
<b>ab Ø 500mm / from Ø 500mm</b>									
KG 500	34 – 209	531	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KL 500; KLNC 500	34 – 209	531	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KS 500	34 – 209	531	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KT 500; KTG 500; KTGF 500; KTN 500	34 – 210	532	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
NH 500; NHF 500	40 – 211	533	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
<b>ab Ø 630mm / from Ø 630mm</b>									
KS 630	37 – 338	661	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KS-L 630	34 – 338	661	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KSHF 630	46 – 344	667	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KT 630; KTG 630; KTGF 630; KTN 630	34 – 342	665	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
NH 630; NHF 630	59 – 340	663	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20

2) auch mit Kreuzversatz erhältlich

7) Bitte überprüfen Sie die Anschlussmaße

2) Chuck is also available with tongue/groove connection

7) Please check the connecting dimensions

# Krallenbacken Außenspannung

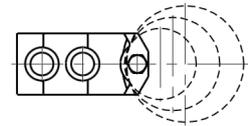
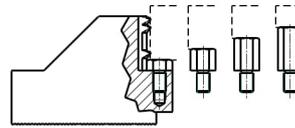
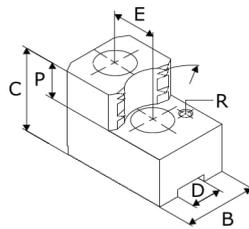
## Hard claw jaws for O.D. clamping

Verzahnung 1/16" x 90°

Serration 1/16" x 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 160mm / from Ø 160mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
KGH 160; KGHF 160	29 – 54	171	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	47 – 73	173	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	69 – 96	173	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	87 – 114	177	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	109 – 136	196	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
KGH 175; KGHF 175	29 – 65	181	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	48 – 84	184	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	70 – 106	184	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	88 – 125	187	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	110 – 147	207	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
KL 160	27 – 49	165	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	41 – 67	167	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	63 – 90	167	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	81 – 108	171	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	103 – 130	190	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
KS 160	27 – 47	163	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	35 – 66	165	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	57 – 88	166	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	74 – 106	169	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	96 – 128	188	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
KSF 175	27 – 65	181	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	34 – 84	184	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	56 – 106	184	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	73 – 125	187	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	95 – 147	207	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
KSH 160	27 – 49	165	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	41 – 67	167	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	63 – 90	167	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	81 – 108	171	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	103 – 130	190	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
KT 160; KTG 160	30 – 50	167	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	48 – 69	169	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	71 – 92	169	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	89 – 110	173	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	111 – 132	192	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
KTH 160	41 – 62	178	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	60 – 81	181	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	82 – 103	181	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	100 – 122	184	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	122 – 144	204	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5

**Krallenbacken Außenspannung**

Verzahnung 1/16" x 90°

Hard claw jaws for O.D. clamping

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
KTH 175	41 - 69	185	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	60 - 88	188	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	82 - 110	188	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	100 - 129	191	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	122 - 151	211	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
KTN 160	30 - 50	167	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	48 - 69	169	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	71 - 92	169	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	89 - 110	173	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	111 - 132	192	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
NH 160; NHF 160	33 - 54	171	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	51 - 73	173	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	74 - 96	173	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	91 - 114	177	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	113 - 136	196	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
NH 175; NHF 175	42 - 69	185	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	61 - 88	188	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	83 - 110	188	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	101 - 129	191	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	123 - 151	211	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
QLC 160-38	35 - 59	176	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	53 - 78	178	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	76 - 100	178	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	93 - 119	181	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	115 - 141	201	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
QLC 175	33 - 69	185	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	51 - 88	188	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	74 - 110	188	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	91 - 129	191	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	113 - 151	211	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
QLC-KT 160	29 - 73	189	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	47 - 92	192	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	69 - 114	192	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	87 - 132	195	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	109 - 155	215	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
QLC-LS 160-30	35 - 59	176	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	53 - 78	178	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	76 - 100	178	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	93 - 119	181	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	115 - 141	201	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
QLK 160-38	35 - 59	176	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	53 - 78	178	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	76 - 100	178	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	93 - 119	181	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	115 - 141	201	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
QLK 175	33 - 69	185	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	51 - 88	188	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	74 - 110	188	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	91 - 129	191	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	113 - 151	211	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5

# Krallenbacken Außenspannung

Hard claw jaws for O.D. clamping

Verzahnung 1/16" x 90°

Serration 1/16" x 90°

Futtertyp/Chuck type ab Ø 200mm / from Ø 200mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
KG 200	29 – 54	207	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	38 – 82	207	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	63 – 111	208	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	90 – 138	210	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	120 – 169	229	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
KGH 200; KGHF 200	30 – 62	215	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	57 – 89	215	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	86 – 119	216	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	113 – 146	218	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	143 – 176	237	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
KL 200	29 – 54	207	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	38 – 82	207	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	65 – 111	208	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	92 – 138	210	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	121 – 169	229	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
KLNC 200	29 – 54	207	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	38 – 82	207	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	63 – 111	208	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	90 – 138	210	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	120 – 169	229	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
KP 200	29 – 57	210	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	39 – 85	210	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	67 – 114	211	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	94 – 141	213	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	123 – 171	232	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
KS 200	29 – 54	207	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	49 – 82	207	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	77 – 111	208	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	104 – 138	210	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	134 – 169	229	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
KSF 200	29 – 58	211	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	38 – 86	211	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	63 – 115	212	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	90 – 142	214	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	120 – 172	233	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
KSH 200	29 – 54	207	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	49 – 82	207	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	77 – 111	208	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	104 – 138	210	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	134 – 169	229	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
KT 200; KTG 200; KTGF 200	29 – 58	211	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	45 – 86	211	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	74 – 115	212	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	100 – 142	214	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	130 – 172	233	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
KTH 200	37 – 66	219	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	65 – 93	219	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	94 – 123	220	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	121 – 150	222	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	151 – 180	241	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6

**Krallenbacken Außenspannung**

Verzahnung 1/16" x 90°

Hard claw jaws for O.D. clamping

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
KTN 200	29 - 58	211	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	45 - 86	211	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	74 - 115	212	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	100 - 142	214	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	130 - 172	233	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
NH 200; NHF 200	29 - 62	215	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	47 - 89	215	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	76 - 119	216	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	102 - 146	218	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	132 - 176	237	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
QLC 200-54	33 - 73	226	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	60 - 100	226	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	89 - 130	227	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	116 - 157	229	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	146 - 187	248	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
QLC-AG 200	29 - 70	224	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	46 - 98	224	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	75 - 128	224	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	101 - 155	226	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	131 - 185	246	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
QLC-KS 200-77	48 - 73	226	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	75 - 100	226	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	104 - 130	227	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	131 - 157	229	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	162 - 187	248	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
QLC-KT 200 <sup>2)</sup>	29 - 55	208	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	42 - 83	208	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	70 - 112	209	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	97 - 139	211	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	127 - 169	230	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
QLC-LS 200-41	29 - 72	225	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	48 - 100	225	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	76 - 129	226	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	103 - 156	228	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	133 - 187	248	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
QLK 200-54	33 - 73	226	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	60 - 100	226	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	89 - 130	227	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	116 - 157	229	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	146 - 187	248	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
QLK-KS 200-77	48 - 73	226	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	75 - 100	226	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	104 - 130	227	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	131 - 157	229	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	162 - 187	248	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
<b>ab Ø 250mm / from Ø 250mm</b>											
KG 250	38 - 84	254	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	59 - 124	254	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	108 - 174	258	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	154 - 221	293	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8

# Krallenbacken Außenspannung

Verzahnung 1/16" x 90°

Hard claw jaws for O.D. clamping

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ	B	C	D	E	Schrauben	P	R
	Clamping range	Swing diameter									
KL 250	38 – 84	254	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	59 – 124	254	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	108 – 174	258	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	154 – 221	293	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
KLNC 250	38 – 84	254	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	59 – 124	254	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	106 – 174	258	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	152 – 221	293	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
KP 250	38 – 87	257	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	65 – 127	257	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	114 – 177	261	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	160 – 224	296	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
KS 250	33 – 98	255	<b>17 0000 7710</b>	GTZ-C 250-5	35	55	17	22	M12	25	M6
	51 – 128	255	<b>17 0000 7720</b>	GTZ-C 250-6	35	55	17	22	M12	25	M6
	104 – 187	257	<b>17 0000 7730</b>	GTZ-C 250-7	40	55	17	22	M12	25	M6
	138 – 222	287	<b>17 0000 7740</b>	GTZ-C 250-8	40	55	17	22	M12	25	M6
KSH 250	43 – 94	264	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	82 – 134	264	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	131 – 184	268	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	177 – 231	302	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
KSHF 250	38 – 92	262	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	68 – 132	262	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	117 – 182	266	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	164 – 229	301	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
KT 250; KTG 250; KTF 250; KTN 250	38 – 88	258	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	69 – 128	258	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	118 – 178	262	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	165 – 225	297	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
NH 250; NHF 250	38 – 85	255	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	71 – 125	255	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	120 – 175	259	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	167 – 222	294	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
QLC 250-72	55 – 102	272	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	94 – 142	272	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	144 – 191	276	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	190 – 238	310	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
QLC-AG 250	42 – 102	272	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	81 – 142	272	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	130 – 191	276	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	177 – 238	310	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
QLC-KS 250-101	70 – 114	272	<b>17 0000 7710</b>	GTZ-C 250-5	35	55	17	22	M12	25	M6
	101 – 145	272	<b>17 0000 7720</b>	GTZ-C 250-6	35	55	17	22	M12	25	M6
	160 – 204	274	<b>17 0000 7730</b>	GTZ-C 250-7	40	55	17	22	M12	25	M6
	195 – 239	304	<b>17 0000 7740</b>	GTZ-C 250-8	40	55	17	22	M12	25	M6
QLC-KT 250 <sup>2)</sup>	48 – 87	257	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	87 – 127	257	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	137 – 177	261	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	183 – 224	296	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8

# Krallenbacken Außenspannung

Verzahnung 1/16" x 90°

Hard claw jaws for O.D. clamping

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
QLC-LS 250-52	45 – 102	271	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	83 – 142	271	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	133 – 191	275	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	179 – 238	310	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
QLK 250-72	55 – 102	272	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	94 – 142	272	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	144 – 191	276	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	190 – 238	310	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
QLK-KS 250-101	70 – 114	272	<b>17 0000 7710</b>	GTZ-C 250-5	35	55	17	22	M12	25	M6
	101 – 145	272	<b>17 0000 7720</b>	GTZ-C 250-6	35	55	17	22	M12	25	M6
	160 – 204	274	<b>17 0000 7730</b>	GTZ-C 250-7	40	55	17	22	M12	25	M6
	195 – 239	304	<b>17 0000 7740</b>	GTZ-C 250-8	40	55	17	22	M12	25	M6
<b>ab Ø 315mm / from Ø 315mm</b>											
KG 315	44 – 126	327	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	74 – 183	328	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	137 – 249	328	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	201 – 313	388	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
KLNC 315	44 – 126	327	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	63 – 183	328	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	118 – 249	328	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	182 – 313	388	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
KP 315	44 – 130	331	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	63 – 187	332	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	123 – 253	332	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	187 – 317	392	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
KS 315	44 – 125	326	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	67 – 182	327	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	129 – 248	327	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	193 – 312	387	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
KSH 315	44 – 135	337	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	97 – 193	338	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	162 – 259	338	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	226 – 323	398	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
KSHF 315	44 – 134	336	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	79 – 192	337	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	142 – 258	337	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	206 – 322	397	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
KT 315; KTG 315; KTGF 315; KTN 315	44 – 129	330	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	66 – 186	331	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	128 – 252	331	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	192 – 316	391	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
NH 315; NHF 315	44 – 133	335	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	92 – 191	336	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	156 – 257	336	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	220 – 321	396	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
QLC 315-88	46 – 141	343	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	104 – 199	344	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	169 – 265	344	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	233 – 329	404	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8

# Krallenbacken Außenspannung

Verzahnung 1/16" x 90°

Hard claw jaws for O.D. clamping

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
QLC-AG 315	44 - 131	333	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	82 - 189	334	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	145 - 255	334	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	209 - 319	394	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
QLC-KS 315-135	93 - 141	343	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	151 - 199	344	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	216 - 265	344	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	281 - 329	404	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
QLC-KT 315 <sup>2)</sup>	44 - 129	330	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	69 - 186	331	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	131 - 252	331	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	195 - 316	391	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
QLC-LS 315-71	48 - 140	342	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	106 - 198	343	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	171 - 264	343	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	235 - 328	403	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
QLK 315-88	46 - 141	343	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	104 - 199	344	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	169 - 265	344	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	233 - 329	404	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
QLK-KS 315-135	93 - 141	343	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	151 - 199	344	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	216 - 265	344	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	281 - 329	404	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
<b>ab Ø 400mm / from Ø 400mm</b>											
KS 400	44 - 208	410	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	67 - 265	411	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	129 - 331	411	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	193 - 395	470	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
KSH 400	70 - 220	422	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	128 - 277	423	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	193 - 343	423	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	257 - 407	482	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
KSHF 400	47 - 220	422	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	105 - 277	423	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	170 - 343	423	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	234 - 407	482	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
QLC 400-126-21 <sup>7)</sup>	93 - 213	415	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	151 - 270	416	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	216 - 336	416	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	280 - 400	475	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
QLC-KS 400-168	125 - 221	423	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	182 - 278	424	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	248 - 344	424	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	312 - 408	483	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
QLC-KT 400-21 <sup>2),7)</sup>	45 - 213	415	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	103 - 270	416	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	168 - 336	416	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	232 - 400	475	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8

# Krallenbacken Außenspannung

Verzahnung 1/16" x 90°

Hard claw jaws for O.D. clamping

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
QLK 400-126-21 <sup>7)</sup>	93 – 213	415	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	151 – 270	416	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	216 – 336	416	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	280 – 400	475	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
QLK-KS 400-168	125 – 221	423	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	182 – 278	424	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	248 – 344	424	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	312 – 408	483	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8

2) auch mit Kreuzversatz erhältlich

2) Chuck is also available with tongue/groove connection

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Krallenbacken Außenspannung

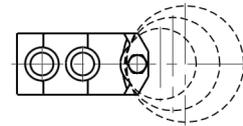
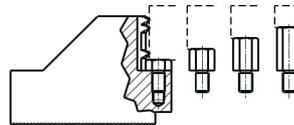
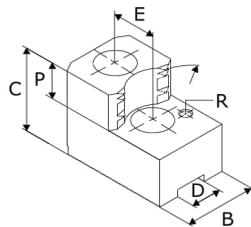
## Hard claw jaws for O.D. clamping

Verzahnung 3/32" x 90°

Serration 3/32" x 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 400mm/from Ø 400mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
KG 400	54 - 164	428	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	103 - 239	428	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	185 - 323	445	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	255 - 394	488	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
KL 400; KLNC 400	54 - 164	428	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	101 - 239	428	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	183 - 323	445	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	253 - 394	488	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
KT 400; KTG 400; KTGf 400; KTN 400	54 - 168	432	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	105 - 243	432	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	187 - 327	449	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	257 - 398	492	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
NH 400; NHF 400	59 - 168	432	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	133 - 243	432	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	215 - 327	449	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	286 - 398	492	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
QLC 400-126-25,5 <sup>7)</sup>	63 - 141	429	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	79 - 165	429	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	154 - 240	429	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	237 - 324	446	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	308 - 395	489	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
QLC-KT 400-25,5 <sup>2),7)</sup>	63 - 143	431	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	54 - 167	431	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	104 - 242	431	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	186 - 326	448	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	256 - 397	491	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
QLK 400-126-25,5 <sup>7)</sup>	63 - 141	429	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	79 - 165	429	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	154 - 240	429	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	237 - 324	446	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	308 - 395	489	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
<b>ab Ø 500mm/from Ø 500mm</b>											
KG 500	63 - 241	531	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	139 - 341	531	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	222 - 425	548	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	293 - 497	591	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	372 - 577	676	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
KL 500; KLNC 500	63 - 241	531	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	99 - 341	531	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	180 - 425	548	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	250 - 497	591	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	329 - 577	676	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8

# Krallenbacken Außenspannung

Verzahnung 3/32" x 90°

Hard claw jaws for O.D. clamping

Serration 3/32" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
KS 500	63 - 241	531	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	99 - 341	531	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	180 - 425	548	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	250 - 497	591	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	329 - 577	676	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
KT 500; KTG 500; KTGF 500; KTN 500	63 - 242	532	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	107 - 342	532	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	189 - 426	549	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	259 - 498	592	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	338 - 578	677	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
NH 500; NHF 500	71 - 243	533	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	168 - 343	533	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	252 - 427	550	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	323 - 499	593	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	402 - 579	678	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
<b>ab Ø 630mm / from Ø 630mm</b>											
KS 630	68 - 370	661	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	165 - 471	661	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	248 - 555	678	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	319 - 626	721	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	398 - 706	806	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
KS-L 630	63 - 370	661	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	144 - 471	661	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	227 - 555	678	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	298 - 626	721	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	377 - 706	806	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
KSHF 630	78 - 376	667	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	175 - 477	667	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	259 - 561	684	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	330 - 632	727	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	409 - 712	812	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
KT 630; KTG 630; KTGF 630; KTN 630	63 - 374	665	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	108 - 475	665	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	190 - 559	682	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	260 - 630	725	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	339 - 710	810	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
NH 630; NHF 630	92 - 372	663	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	190 - 473	663	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	274 - 557	680	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	345 - 628	723	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	424 - 708	808	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8

2) auch mit Kreuzversatz erhältlich

2) Chuck is also available with tongue/groove connection

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Krallenbacken Innenspannung

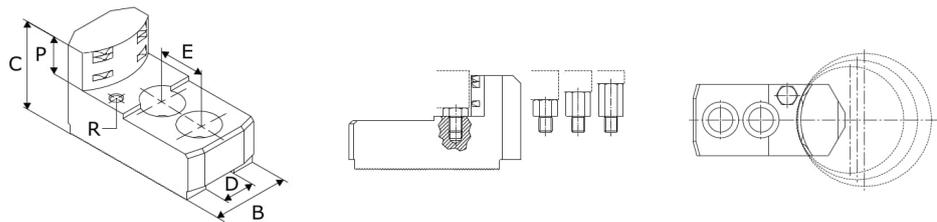
## Hard claw jaws for I.D. clamping

Verzahnung 1/16" x 90°

Serration 1/16" x 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 160mm/from Ø160mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
KGH 160; KGHF 160	52 – 72	170	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 – 84	171	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	83 – 104	172	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	98 – 125	175	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
KGH 175; KGHF 175	52 – 82	180	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 – 95	181	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	83 – 115	182	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	99 – 135	185	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
KL 160	52 – 66	164	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 – 79	165	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	83 – 99	166	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	93 – 119	169	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
KS 160	52 – 64	162	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 – 77	163	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	83 – 97	164	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	93 – 117	167	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
KSF 175	52 – 82	180	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 – 95	181	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	83 – 115	182	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	93 – 135	185	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
KSH 160	52 – 66	164	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 – 79	165	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	83 – 99	166	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	93 – 119	169	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
KT 160; KTG 160	52 – 68	166	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 – 81	167	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	83 – 101	168	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	100 – 121	171	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
KTH 160	59 – 80	177	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	71 – 92	179	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	91 – 112	180	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	111 – 132	182	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
KTH 175	59 – 86	184	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	71 – 99	185	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	91 – 119	186	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	111 – 139	189	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
KTN 160	52 – 68	166	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 – 81	167	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	83 – 101	168	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	100 – 121	171	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6

**Krallenbacken Innenspannung**

Verzahnung 1/16" x 90°

Hard claw jaws for I.D. clamping

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
NH 160; NHF 160	52 - 72	170	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 - 84	171	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	83 - 104	172	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	103 - 125	175	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
NH 175; NHF 175	60 - 86	184	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	72 - 99	185	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	92 - 119	186	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	112 - 139	189	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
QLC 160-38	52 - 77	175	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 - 89	176	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	85 - 109	177	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	105 - 129	180	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
QLC 175	52 - 86	184	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 - 99	185	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	83 - 119	186	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	103 - 139	189	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
QLC-KT 160	52 - 90	188	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 - 103	189	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	83 - 123	190	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	98 - 143	193	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
QLC-LS 160-30	52 - 77	175	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 - 89	176	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	85 - 109	177	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	105 - 129	180	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
QLK 160-38	52 - 77	175	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 - 89	176	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	85 - 109	177	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	105 - 129	180	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
QLK 175	52 - 86	184	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 - 99	185	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	83 - 119	186	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	103 - 139	189	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
<b>ab Ø 200mm/from Ø200mm</b>											
KG 200	58 - 89	205	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	76 - 118	206	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	101 - 149	206	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
KGH 200; KGHF 200	64 - 97	213	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	93 - 126	213	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	124 - 157	213	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
KL 200	58 - 89	205	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	76 - 118	206	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	103 - 149	206	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
KLNC 200	58 - 89	205	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	76 - 118	206	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	101 - 149	206	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
KP 200	58 - 92	208	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	76 - 121	209	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	105 - 152	209	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
KS 200	58 - 89	205	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	84 - 118	206	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	116 - 149	206	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6

# Krallenbacken Innenspannung

Verzahnung 1/16" x 90°

Hard claw jaws for I.D. clamping

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
KSF 200	58 - 93	209	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	76 - 122	209	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	101 - 153	209	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
KSH 200	58 - 89	205	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	84 - 118	206	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	116 - 149	206	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
KT 200; KTG 200; KTGF 200	58 - 93	209	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	80 - 122	209	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	112 - 153	209	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
KTH 200	72 - 101	217	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	100 - 130	217	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	132 - 161	217	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
KTN 200	58 - 93	209	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	80 - 122	209	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	112 - 153	209	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
NH 200; NHF 200	58 - 97	213	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	82 - 126	213	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	114 - 157	213	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
QLC 200-54	67 - 108	224	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	96 - 136	224	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	127 - 168	224	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
QLC-AG 200	58 - 106	222	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	81 - 134	222	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	113 - 166	222	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
QLC-KS 200-77	83 - 108	224	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	111 - 136	224	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	143 - 168	224	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
QLC-KT 200 <sup>2)</sup>	58 - 90	206	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	77 - 119	207	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	108 - 150	207	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
QLC-LS 200-41	58 - 107	223	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	83 - 136	224	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	114 - 168	224	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
QLK 200-54	67 - 108	224	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	96 - 136	224	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	127 - 168	224	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
QLK-KS 200-77	83 - 108	224	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	111 - 136	224	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	143 - 168	224	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
<b>ab Ø 250mm/from Ø250mm</b>											
KG 250	76 - 113	260	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	99 - 154	260	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	133 - 199	254	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
KL 250	76 - 113	260	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	99 - 154	260	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	133 - 199	254	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
KLNC 250	76 - 113	260	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	99 - 154	260	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	132 - 199	254	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8

**Krallenbacken Innenspannung**

Verzahnung 1/16" x 90°

Hard claw jaws for I.D. clamping

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
KP 250	76 – 116	263	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	99 – 157	263	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	139 – 202	257	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
KS 250	58 – 132	265	<b>17 0000 8160</b>	GTW-C 250-4	35	55	17	22	M12	25	M6
	77 – 156	254	<b>17 0000 8170</b>	GTW-C 250-5	40	55	17	22	M12	25	M6
	136 – 220	262	<b>17 0000 8180</b>	GTW-C 250-6	40	55	17	22	M12	25	M6
KSH 250	76 – 122	270	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	112 – 164	270	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	156 – 209	264	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
KSHF 250	76 – 120	268	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	99 – 162	268	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	143 – 207	262	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
KT 250; KTG 250; KTGF 250; KTN 250	76 – 117	264	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	100 – 158	264	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	144 – 203	258	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
NH 250; NHF 250	76 – 114	261	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	102 – 155	261	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	146 – 200	255	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
QLC 250-72	84 – 130	278	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	124 – 172	278	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	169 – 217	272	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
QLC-AG 250	76 – 130	278	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	111 – 172	278	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	155 – 217	272	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
QLC-KS 250-101	104 – 149	282	<b>17 0000 8160</b>	GTW-C 250-4	35	55	17	22	M12	25	M6
	129 – 173	271	<b>17 0000 8170</b>	GTW-C 250-5	40	55	17	22	M12	25	M6
	193 – 237	279	<b>17 0000 8180</b>	GTW-C 250-6	40	55	17	22	M12	25	M6
QLC-KT 250 <sup>2)</sup>	77 – 116	263	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	118 – 157	263	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	162 – 202	257	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
QLC-LS 250-52	76 – 130	277	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	114 – 171	277	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	158 – 217	271	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
QLK 250-72	84 – 130	278	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	124 – 172	278	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	169 – 217	272	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
QLK-KS 250-101	104 – 149	282	<b>17 0000 8160</b>	GTW-C 250-4	35	55	17	22	M12	25	M6
	129 – 173	271	<b>17 0000 8170</b>	GTW-C 250-5	40	55	17	22	M12	25	M6
	193 – 237	279	<b>17 0000 8180</b>	GTW-C 250-6	40	55	17	22	M12	25	M6
<b>ab Ø 315mm/from Ø315mm</b>											
KG 315	78 – 147	326	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 201	326	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	170 – 275	326	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
KLNC 315	78 – 147	326	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 201	326	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	170 – 275	326	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
KP 315	78 – 151	330	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 205	330	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	170 – 279	330	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8

# Krallenbacken Innenspannung

Verzahnung 1/16" x 90°

Hard claw jaws for I.D. clamping

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ	B	C	D	E	Schrauben	P	R
	Clamping range	Swing diameter									
KS 315	78 - 146	325	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 - 200	325	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	170 - 274	325	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
KSH 315	78 - 157	336	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 - 211	336	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	189 - 285	336	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
KSHF 315	78 - 156	335	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 - 210	335	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	170 - 284	335	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
KT 315; KTG 315; KTGF 315; KTN 315	78 - 150	329	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 - 204	329	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	170 - 278	329	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
NH 315; NHF 315	78 - 155	334	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 - 209	334	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	183 - 283	334	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
QLC 315-88	78 - 163	342	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 - 217	342	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	196 - 291	342	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
QLC-AG 315	78 - 153	332	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 - 207	332	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	172 - 281	332	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
QLC-KS 315-135	115 - 163	342	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	168 - 217	342	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	243 - 291	342	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
QLC-KT 315 <sup>2)</sup>	78 - 150	329	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 - 204	329	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	170 - 278	329	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
QLC-LS 315-71	78 - 162	341	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 - 216	341	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	198 - 290	341	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
QLK 315-88	78 - 163	342	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 - 217	342	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	196 - 291	342	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
QLK-KS 315-135	115 - 163	342	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	168 - 217	342	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	243 - 291	342	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
<b>ab Ø 400mm/from Ø400mm</b>											
KS 400	78 - 229	409	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 - 283	409	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	170 - 358	409	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
KSH 400	93 - 241	421	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	146 - 295	421	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	220 - 370	421	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
KSHF 400	78 - 241	421	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 - 295	421	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	196 - 370	421	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
QLC 400-126-21 <sup>7)</sup>	115 - 234	414	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	168 - 288	414	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	242 - 363	414	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8

# Krallenbacken Innenspannung

Verzahnung 1/16" x 90°

Hard claw jaws for I.D. clamping

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
QLC-KS 400-168	146 – 242	422	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	200 – 296	422	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	274 – 371	422	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
QLC-KT 400-21 <sup>2),7)</sup>	78 – 234	414	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 288	414	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	195 – 363	414	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
QLK 400-126-21 <sup>7)</sup>	115 – 234	414	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	168 – 288	414	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	242 – 363	414	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
QLK-KS 400-168	146 – 242	422	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	200 – 296	422	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	274 – 371	422	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8

2) auch mit Kreuzversatz erhältlich

2) Chuck is also available with tongue/groove connection

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Krallenbacken Innenspannung

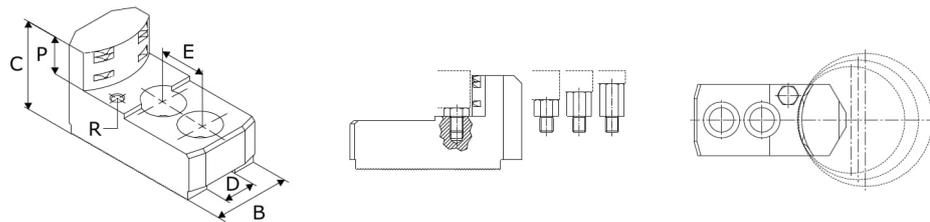
## Hard claw jaws for I.D. clamping

Verzahnung 3/32" x 90°

Serration 3/32" x 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 400mm/from Ø400mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
KG 400	98 – 191	421	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	149 – 270	428	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	213 – 351	428	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	275 – 414	459	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KL 400; KLNC 400	98 – 191	421	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	149 – 270	428	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	211 – 351	428	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	273 – 414	459	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KT 400; KTG 400; KTGf 400; KTN 400	98 – 195	425	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	149 – 274	432	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	215 – 355	432	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	277 – 418	463	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
NH 400; NHF 400	98 – 195	425	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	165 – 274	432	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	243 – 355	432	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	306 – 418	463	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
QLC 400-126-25,5 <sup>7)</sup>	106 – 192	422	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	186 – 271	429	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	265 – 352	429	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	328 – 415	460	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
QLC-KT 400-25,5 <sup>2),7)</sup>	98 – 194	424	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	149 – 273	431	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	214 – 354	431	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	276 – 417	462	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
QLK 400-126-25,5 <sup>7)</sup>	106 – 192	422	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	186 – 271	429	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	265 – 352	429	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	328 – 415	460	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
<b>ab Ø 500mm/from Ø 500mm</b>											
KG 500	122 – 290	531	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	171 – 373	531	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	250 – 453	531	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	313 – 517	562	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KL 500; KLNC 500	122 – 290	531	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	149 – 373	531	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	208 – 453	531	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	271 – 517	562	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KS 500	122 – 290	531	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	149 – 373	531	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	208 – 453	531	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	271 – 517	562	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8

# Krallenbacken Innenspannung

Verzahnung 3/32" x 90°

Hard claw jaws for I.D. clamping

Serration 3/32" x 90°

Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ	B	C	D	E	Schrauben	P	R
	Clamping range	Swing diameter							Screws		
KT 500; KTG 500; KTGF 500; KTN 500	122 - 291	532	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	149 - 374	532	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	217 - 454	532	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	279 - 518	563	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
NH 500; NHF 500	122 - 292	533	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	200 - 375	533	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	279 - 455	533	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	342 - 519	564	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
<b>ab Ø 630mm/from Ø630mm</b>											
KS 630	122 - 419	661	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	196 - 502	661	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	276 - 583	661	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	338 - 646	692	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KS-L 630	122 - 419	661	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	176 - 502	661	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	255 - 583	661	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	318 - 646	692	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KSHF 630	126 - 425	667	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	207 - 508	667	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	286 - 589	667	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	349 - 652	698	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KT 630; KTG 630; KTGF 630; KTN 630	122 - 423	665	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	149 - 506	665	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	218 - 587	665	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	280 - 650	696	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
NH 630; NHF 630	141 - 421	663	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	221 - 504	663	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	301 - 585	663	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	364 - 648	694	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8

2) auch mit Kreuzversatz erhältlich

2) Chuck is also available with tongue/groove connection

7) Bitte überprüfen Sie die Anschlussmaße

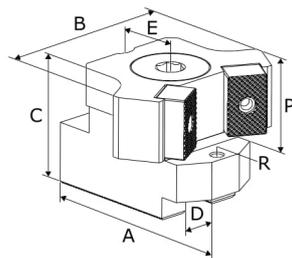
7) Please check the connecting dimensions

# Pendelbacken

## Pendulum jaws

Verzahnung 1/16" x 90°

Serration 1/16" x 90°



Pendelbacken ermöglichen sicheres Spannen dünnwandiger und verformungsgefährdeter Werkstücke

Die Befestigung erfolgt mit einzelnen Nutensteinen  
Nutensteine müssen separat bestellt werden

Pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation

Fastening is done using single T-Nuts  
T-Nuts must be ordered separately

Futtertyp/Chuck type ab Ø 200mm / from Ø 200mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
KG 200	51 – 73	204	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 75	204	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	84 – 104	225	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	100 – 129	225	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
KGF 200; KGHF 200	64 – 80	212	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 82	212	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	95 – 111	233	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	120 – 136	232	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
KL 200	51 – 73	204	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 75	204	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	84 – 104	225	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	101 – 129	225	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
KLNC 200	51 – 73	204	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 75	204	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	84 – 104	225	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	100 – 129	225	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
KP 200	51 – 76	207	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 77	207	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	84 – 106	228	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	103 – 132	228	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
KS 200	57 – 73	204	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 75	204	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	87 – 104	225	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	113 – 129	225	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
KSF 200	51 – 77	208	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 78	208	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	84 – 107	229	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	100 – 133	229	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
KSH 200	57 – 73	204	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 75	204	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	87 – 104	225	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	113 – 129	225	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
KT 200; KTG 200; KTGF 200	53 – 77	208	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 78	208	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	84 – 107	229	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	109 – 133	229	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
KTH 200	71 – 83	216	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	73 – 85	216	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	102 – 114	237	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	127 – 140	236	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6

**Pendelbacken**

**Verzahnung 1/16" x 90°**

**Pendulum jaws**

**Serration 1/16" x 90°**

Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
	Clamping range	Swing diameter										
KTN 200	53 - 77	208	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 - 78	208	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	84 - 107	229	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	109 - 133	229	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
NH 200; NHF 200	55 - 80	212	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 - 82	212	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	86 - 111	233	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	111 - 136	232	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
QLC 200-54	67 - 90	223	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 - 91	223	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	98 - 120	244	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	123 - 146	243	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
QLC-AG 200	54 - 88	220	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 - 89	220	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	85 - 118	242	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	110 - 144	241	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
QLC-KS 200-77	81 - 90	223	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	83 - 91	223	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	112 - 120	244	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	137 - 146	243	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
QLC-KT 200 <sup>2)</sup>	51 - 74	205	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 - 76	205	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	84 - 105	226	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	106 - 130	226	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
QLC-LS 200-41	56 - 89	222	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 - 91	222	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	86 - 120	243	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	112 - 145	243	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
QLK 200-54	67 - 90	223	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 - 91	223	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	98 - 120	244	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	123 - 146	243	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
QLK-KS 200-77	81 - 90	223	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	83 - 91	223	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	112 - 120	244	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	137 - 146	243	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
<b>ab Ø 250mm / from Ø 250mm</b>												
KG 250	53 - 91	257	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	69 - 97	257	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 - 101	257	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	101 - 150	275	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	114 - 162	275	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
KL 250	53 - 91	257	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	69 - 97	257	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 - 101	257	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	101 - 150	275	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	114 - 162	275	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6

**Pendelbacken**

**Verzahnung 1/16" x 90°**

**Pendulum jaws**

**Serration 1/16" x 90°**

Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben		
	Clamping range	Swing diameter								Screws	P	R
KLNC 250	53 – 91	257	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	69 – 97	257	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 101	257	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	99 – 150	275	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	114 – 162	275	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
KP 250	53 – 93	260	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	69 – 99	260	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 103	260	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	106 – 152	278	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	118 – 164	278	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
KS 250	53 – 98	266	<b>17 0001 3800</b>	SWT-C 250-6	90	81,5	64	17	32	M12	35	M6
	70 – 104	266	<b>17 0001 3810</b>	SWT-C 250-7	90	93	64	17	32	M12	35	M6
	99 – 108	266	<b>17 0001 3820</b>	SWT-C 250-8	90	102	64	17	32	M12	35	M6
	98 – 154	280	<b>17 0001 3830</b>	SWT-C 250-9	75	131	64	17	32	M12	35	M6
	114 – 166	280	<b>17 0001 3840</b>	SWT-C 250-10	75	144	64	17	32	M12	35	M6
KSH 250	63 – 99	267	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	69 – 105	267	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 109	267	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	122 – 158	284	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	134 – 170	284	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
KSHF 250	53 – 98	265	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	69 – 104	265	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 108	265	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	110 – 156	282	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	122 – 168	282	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
KT 250; KTG 250; KTGF 250; KTN 250	53 – 94	261	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	69 – 100	261	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 104	261	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	111 – 153	279	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	123 – 165	279	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
NH 250; NHF 250	53 – 92	258	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	69 – 98	258	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 102	258	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	112 – 150	276	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	124 – 162	276	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
QLC 250-72	74 – 99	275	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	80 – 112	275	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 116	275	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	133 – 165	292	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	145 – 177	292	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
QLC-AG 250	62 – 99	275	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	69 – 112	275	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 116	275	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	121 – 165	292	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	133 – 177	292	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
QLC-KS 250-101	92 – 99	282	<b>17 0001 3800</b>	SWT-C 250-6	90	81,5	64	17	32	M12	35	M6
	98 – 119	282	<b>17 0001 3810</b>	SWT-C 250-7	90	93	64	17	32	M12	35	M6
	102 – 123	282	<b>17 0001 3820</b>	SWT-C 250-8	90	102	64	17	32	M12	35	M6
	147 – 169	296	<b>17 0001 3830</b>	SWT-C 250-9	75	131	64	17	32	M12	35	M6
	159 – 181	296	<b>17 0001 3840</b>	SWT-C 250-10	75	144	64	17	32	M12	35	M6

**Pendelbacken**

**Verzahnung 1/16" x 90°**

**Pendulum jaws**

**Serration 1/16" x 90°**

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
QLC-KT 250 <sup>2)</sup>	68 - 93	260	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	74 - 99	260	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 - 103	260	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	127 - 152	278	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	139 - 164	278	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
QLC-LS 250-52	65 - 99	274	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	71 - 112	274	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 - 116	274	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	124 - 165	292	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	136 - 177	292	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
QLK 250-72	74 - 99	275	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	80 - 112	275	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 - 116	275	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	133 - 165	292	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	145 - 177	292	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
QLK-KS 250-101	92 - 99	282	<b>17 0001 3800</b>	SWT-C 250-6	90	81,5	64	17	32	M12	35	M6
	98 - 119	282	<b>17 0001 3810</b>	SWT-C 250-7	90	93	64	17	32	M12	35	M6
	102 - 123	282	<b>17 0001 3820</b>	SWT-C 250-8	90	102	64	17	32	M12	35	M6
	147 - 169	296	<b>17 0001 3830</b>	SWT-C 250-9	75	131	64	17	32	M12	35	M6
	159 - 181	296	<b>17 0001 3840</b>	SWT-C 250-10	75	144	64	17	32	M12	35	M6
<b>ab Ø 315mm / from Ø 315mm</b>												
KG 315	64 - 120	321	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 - 151	321	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	126 - 214	339	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 - 224	340	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
KLNC 315	64 - 120	321	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 - 151	321	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	115 - 214	339	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 - 224	340	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
KP 315	64 - 120	325	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 - 154	325	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	115 - 217	343	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 - 227	344	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
KS 315	64 - 120	320	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 - 150	320	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	119 - 213	338	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 - 223	339	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
KSH 315	71 - 120	331	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 - 160	331	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	148 - 222	349	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 - 232	350	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
KSHF 315	64 - 120	330	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 - 159	330	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	131 - 222	348	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 - 232	349	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
KT 315; KTG 315; KTGF 315; KTN 315	64 - 120	324	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 - 154	324	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	119 - 216	342	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 - 226	343	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6

**Pendelbacken**

Verzahnung 1/16" x 90°

**Pendulum jaws**

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
	Clamping range	Swing diameter										
NH 315; NHF 315	66 – 120	329	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 158	329	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	143 – 221	347	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 – 231	348	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
QLC 315-88	77 – 120	337	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 165	337	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	154 – 223	355	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	164 – 238	356	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
QLC-AG 315	64 – 120	327	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 156	327	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	133 – 219	345	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 – 229	346	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
QLC-KS 315-135	119 – 120	337	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	133 – 165	337	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	196 – 223	355	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	206 – 238	356	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
QLC-KT 315 <sup>2)</sup>	64 – 120	324	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 154	324	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	121 – 216	342	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 – 226	343	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
QLC-LS 315-71	79 – 120	336	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 164	336	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	156 – 223	354	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	166 – 237	355	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
QLK 315-88	77 – 120	337	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 165	337	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	154 – 223	355	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	164 – 238	356	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
QLK-KS 315-135	119 – 120	337	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	133 – 165	337	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	196 – 223	355	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	206 – 238	356	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
<b>ab Ø 400mm / from Ø 400mm</b>												
KS 400	64 – 120	403	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 178	403	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	119 – 223	421	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 – 275	422	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
KSH 400	99 – 120	415	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	113 – 178	415	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	176 – 223	433	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	186 – 275	434	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
KSHF 400	78 – 120	415	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 178	415	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	155 – 223	433	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	165 – 275	434	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
QLC 400-126-21 <sup>7)</sup>	119 – 120	408	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	133 – 178	408	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	196 – 223	426	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	206 – 275	427	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6

**Pendelbacken**

Verzahnung 1/16" x 90°

**Pendulum jaws**

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben		
	Clamping range	Swing diameter								Screws	P	R
QLC-KS 400-168	161 - 178	416	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	234 - 275	435	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	35	M6
QLC-KT 400-21 <sup>2),7)</sup>	76 - 120	408	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 - 178	408	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	153 - 223	426	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	163 - 275	427	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
QLK 400-126-21 <sup>7)</sup>	119 - 120	408	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	133 - 178	408	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	196 - 223	426	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	206 - 275	427	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
QLK-KS 400-168	161 - 178	416	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	234 - 275	435	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	35	M6

2) auch mit Kreuzversatz erhältlich

2) Chuck is also available with tongue/groove connection

7) Bitte überprüfen Sie die Anschlussmaße

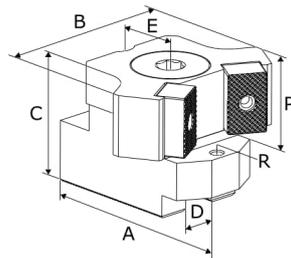
7) Please check the connecting dimensions

# Pendelbacken

## Pendulum jaws

Verzahnung 3/32" x 90°

Serration 3/32" x 90°



Pendelbacken ermöglichen sicheres Spannen dünnwandiger und verformungsgefährdeter Werkstücke  
Die Befestigung erfolgt mit einzelnen Nutensteinen  
Nutensteine müssen separat bestellt werden

Pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation  
Fastening is done using single T-Nuts  
T-Nuts must be ordered separately

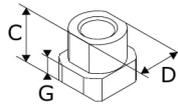
Futtertyp/Chuck type ab Ø 400mm / from Ø 400mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
KG 400	109 – 188	413	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	160 – 248	439	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 – 278	439	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	252 – 353	535	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
KL 400; KLNC 400	109 – 188	413	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	160 – 248	439	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 – 278	439	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	252 – 353	535	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
KT 400; KTG 400; KTGF 400; KTN 400	109 – 192	417	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	160 – 252	443	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 – 282	443	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	252 – 357	539	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
NH 400; NHF 400	111 – 192	417	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	176 – 252	443	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 – 282	443	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	276 – 357	539	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
QLC 400-126-25,5 <sup>7)</sup>	130 – 189	414	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	195 – 249	440	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 – 279	440	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	295 – 354	536	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
QLC-KT 400-25,5 <sup>2),7)</sup>	109 – 191	416	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	160 – 251	442	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 – 281	442	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	252 – 356	538	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
QLK 400-126-25,5 <sup>7)</sup>	130 – 189	414	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	195 – 249	440	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 – 279	440	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	295 – 354	536	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8

2) auch mit Kreuzversatz erhältlich  
7) Bitte überprüfen Sie die Anschlussmaße

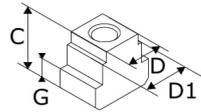
2) Chuck is also available with tongue/groove connection  
7) Please check the connecting dimensions

**T-Nutensteine**

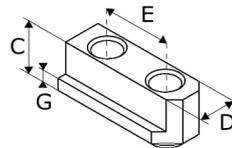
**T-Nuts**



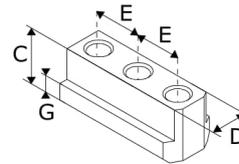
**Ausführung 1**  
**Version 1**



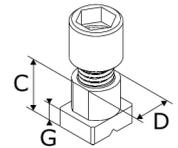
**Ausführung 3**  
**Version 3**



**Ausführung 4**  
**Version 4**



**Ausführung 7**  
**Version 7**



**Ausführung 10**  
**Version 10**

Futtertyp/Chuck type ab Ø 130mm / from Ø 130mm	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max.Anzugsmoment Nm Max. tightening torque Nm		Ausführung Version
KTH 130; KTH 140	<b>17 0000 8650</b>	WTD 12-1	17,2	12	-	15	M8x20	7	30	7	
	<b>17 0000 6000</b>	WTS 12-1	17,2	12	-	-	M8x20	7	30	1	
KTHS 130-33; KTTHS 140-37	<b>17 0001 2310</b>	WTS 12-5	17	12	-	-	M10	7	40	10	
QLK 140-35	<b>17 0000 3280</b>	WTS 12-2	18,5	12	-	-	M10x25	7,5	50	1	
<b>ab Ø 160mm / from Ø 160mm</b>											
2KTG 160; 2KTN 160; 2QLC-LS 160-30	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1	
KGG 160; KGG 175; KGGH 160; KGGH 175	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1	
KL 160	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1	
KS 160; KSF 175; KSH 160; KSPS 160	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1	
KT 160; KTG 160; KTH 160; KTH 175	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1	
KTTHS 160-46; KTTHS 175-56	<b>17 0001 2320</b>	WTS 14-8	18,5	14	-	-	M12	8	62	10	
KTN 160	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1	
NH 160; NH 175; NHF 160; NHF 175	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1	
QLC 160-38; QLC 175; QLC-KT 160; QLC-LS 160-30; QLK 160-38; QLK 175	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1	
UVE 160	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1	
<b>ab Ø 200mm / from Ø 200mm</b>											
2BLE 200; 2BLN 200	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4	
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1	
	<b>17 0000 8710</b>	WTS 17-8	27	17	21	-	M12x30	11	70	3	
2KTG 200; 2KTGF 200; 2KTN 200; 2QLC-LS 200-41; 4KTG 200; 4KTN 200	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1	
KG 200; KGG 200; KGGH 200	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1	
KL 200; KLNC 200	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1	
KP 200	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1	
KS 200; KSF 200; KSH 200; KSHF 200; KSPS 200	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1	
KT 200; KTG 200; KTGF 200; KTH 200	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1	

# T-Nutensteine

## T-Nuts

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max.Anzugsmoment Nm Max. tightening torque Nm		Ausführung Version
KTHS 200-66	<b>17 0001 2330</b>	WTS 17-10	23	17	-	-	M14	9	90	10	
KTN 200	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1	
NH 200; NHF 200	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1	
QLC 200-54; QLC-AG 200; QLC-KS 200-77; QLC-KT 200; QLC-LS 200-41; QLK 200-54; QLK-KS 200-77	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1	
UVE 200	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1	
<b>ab Ø 250mm / from Ø 250mm</b>											
2BLE 250; 2BLN 250	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4	
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1	
	<b>17 0000 8700</b>	WTS 21-8	29	21	25,5	-	M16x35	11	150	3	
2KTG 250; 2KTGF 250; 2KTN 250; 2QLC-LS 250-52; 4KTG 250; 4KTN 250	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4	
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1	
KG 250	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4	
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1	
KL 250; KLNC 250	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4	
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1	
KP 250	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4	
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1	
KS 250	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1	
KSH 250; KSHF 250; KSPS 250	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4	
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1	
KT 250; KTG 250; KTGF 250	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4	
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1	
KTHS 250-91	<b>17 0001 2330</b>	WTS 17-10	23	17	-	-	M14	9	90	10	
KTN 250	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4	
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1	
NH 250; NHF 250	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4	
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1	
NHF 250-17	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1	
QLC 250-72; QLC-AG 250	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4	
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1	
QLC-KS 250-101	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1	
QLC-KT 250; QLC-LS 250-52; QLK 250-72	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4	
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1	
QLK-KS 250-101	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1	
UVE 250	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1	
<b>ab Ø 300mm / from Ø 300mm</b>											
2BLE 315; 2BLN 315	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4	
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1	
	<b>17 0000 8700</b>	WTS 21-8	29	21	25,5	-	M16x35	11	150	3	

**T-Nutensteine**

**T-Nuts**

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	Max.Anzugsmoment Nm		Ausführung Version
								G	Max. tightening torque Nm	
2KTG 315; 2KTGF 315; 2KTN 315; 2QLC-LS 315-71; 4KTG 315; 4KTN 315	17 0000 5570	WTD 21-2	27	21	-	28	M16x35	11	150	4
	17 0000 5480	WTS 21-2	27	21	-	-	M16x35	11	150	1
HF 315	17 0000 5570	WTD 21-2	27	21	-	28	M16x35	11	150	4
	17 0000 5480	WTS 21-2	27	21	-	-	M16x35	11	150	1
KG 315	17 0000 5570	WTD 21-2	27	21	-	28	M16x35	11	150	4
	17 0000 5480	WTS 21-2	27	21	-	-	M16x35	11	150	1
KLNC 315	17 0000 5570	WTD 21-2	27	21	-	28	M16x35	11	150	4
	17 0000 5480	WTS 21-2	27	21	-	-	M16x35	11	150	1
KP 315	17 0000 5570	WTD 21-2	27	21	-	28	M16x35	11	150	4
	17 0000 5480	WTS 21-2	27	21	-	-	M16x35	11	150	1
KS 315; KSH 315; KSHF 315; KSPS 300	17 0000 5570	WTD 21-2	27	21	-	28	M16x35	11	150	4
	17 0000 5480	WTS 21-2	27	21	-	-	M16x35	11	150	1
KT 315; KTG 315; KTGF 315	17 0000 5570	WTD 21-2	27	21	-	28	M16x35	11	150	4
	17 0000 5480	WTS 21-2	27	21	-	-	M16x35	11	150	1
KTHS 315-91	17 0001 2330	WTS 17-10	23	17	-	-	M14	9	90	10
KTN 315	17 0000 5570	WTD 21-2	27	21	-	28	M16x35	11	150	4
	17 0000 5480	WTS 21-2	27	21	-	-	M16x35	11	150	1
NH 315; NHF 315	17 0000 5570	WTD 21-2	27	21	-	28	M16x35	11	150	4
	17 0000 5480	WTS 21-2	27	21	-	-	M16x35	11	150	1
QLC 315-88; QLC-AG 315; QLC-KS 315-135; QLC-KT 315; QLC-LS 315-71; QLK 315-88; QLK-KS 315-135	17 0000 5570	WTD 21-2	27	21	-	28	M16x35	11	150	4
	17 0000 5480	WTS 21-2	27	21	-	-	M16x35	11	150	1
UVE 315	17 0000 5570	WTD 21-2	27	21	-	28	M16x35	11	150	4
	17 0000 5480	WTS 21-2	27	21	-	-	M16x35	11	150	1
<b>ab Ø 400mm / from Ø 400mm</b>										
2BLE 400; 2BLN 400	17 0000 5580	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	17 0000 5490	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
	17 0000 8700	WTS 21-8	29	21	25,5	-	M16x35	11	150	3
2KTG 400; 2KTGF 400; 2KTN 400; 4KTG 400; 4KTN 400	17 0000 5580	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	17 0000 5490	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
KG 400	17 0000 5580	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	17 0000 5490	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
KL 400; KLNC 400	17 0000 5580	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	17 0000 5490	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
KP 400	17 0000 5580	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	17 0000 5490	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
KS 400; KSH 400; KSHF 400	17 0000 5570	WTD 21-2	27	21	-	28	M16x35	11	150	4
	17 0000 5480	WTS 21-2	27	21	-	-	M16x35	11	150	1
KSPS 400	17 0000 5580	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	17 0000 5490	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
KT 400; KTG 400; KTGF 400; KTN 400	17 0000 5580	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	17 0000 5490	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
NH 400; NHF 400	17 0000 5580	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	17 0000 5490	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
QLC 400-126-21	17 0000 5570	WTD 21-2	27	21	-	28	M16x35	11	150	4
	17 0000 5480	WTS 21-2	27	21	-	-	M16x35	11	150	1
QLC 400-126-25,5	17 0000 5580	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	17 0000 5490	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1

# T-Nutensteine

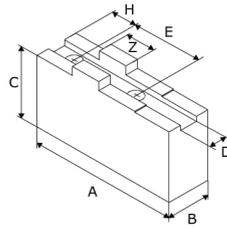
## T-Nuts

Futternuttyp/Chuck type	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	Max.Anzugsmoment Nm		Ausführung Version
								G	torque Nm	
QLC-KS 400-168; QLC-KT 400-21	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1
QLC-KT 400-25,5	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
QLK 400-126-21	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1
QLK 400-126-25,5	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
QLK-KS 400-168	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1
UVE 400	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
<b>ab Ø 500mm / from Ø 500mm</b>										
2BLN 500; 2KTG 500; 2KTGF 500; 2KTN 500; 4KTG 500; 4KTN 500	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
KG 500	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
KL 500; KLNC 500	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
KP 500	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
KS 500; KSH 500	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
KT 500; KTG 500; KTGF 500; KTN 500	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
NH 500; NHF 500	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
UVE 500	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
<b>ab Ø 630mm / from Ø 630mm</b>										
2KTG 630; 2KTGF 630; 2KTN 630; 4KTG 630; 4KTN 630	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
KS 630; KS-L 630; KSHF 630	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
KT 630; KTG 630; KTGF 630; KTN 630	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
NH 630; NHF 630	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
UVE 630	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
<b>ab Ø 800mm / from Ø 800mm</b>										
UVE 800	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1

# Weiche Aufsatzbacken

## Soft top jaws

**Metrische Kreuzversatz**  
**Metric tongue and groove**  
**Stahl / Steel**



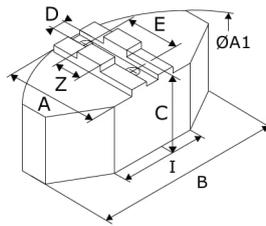
<b>Futtertyp/Chuck type</b>	<b>Index/Id.-No</b>	<b>Typ/Type</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>Schrauben</b>	<b>H</b>	<b>Z</b>
<b>Metrische Kreuzversatz/Metric tongue and groove</b>								<b>Screws</b>		
F 160; F+ 160; FNC 175; KTNC 160; KTNCV 160; KTNCV 175	<b>17 0000 2640</b>	MKS-RM 160-1	85	20	40	8	32	M8	18	18
F 200; F+ 200; FNC 200; KTNC 200; KTNCV 200	<b>17 0000 2650</b>	MKS-RM 200-1	105	25	50	10	40	M8	25	20
F 250; F+ 250; FNC 250; FNC 315; KTNC 250; KTNC 265; KTNC 270; KTNC 280; KTNC 300; KTNC 315; KTNCV 250; KTNCV 270; KTNCV 315; UNC 250; UNC 315	<b>17 0000 2660</b>	MKS-RM 250-5	125	30	60	12	40	M12	25	20
F 315; F+ 315; FNC 400; KTNC 360; KTNC 400; KTNCV 400; UNC 400	<b>17 0000 2670</b>	MKS-RM 315-1	140	35	60	12	54	M12	30	26
F 400; F 500-L; F+ 400; F+ 500; FNC 500; FNC 630; KTNC 500; KTNC 630; KTNCV 500; KTNCV 630; UNC 500	<b>17 0000 2680</b>	MKS-RM 400-1	180	50	80	18	60	M16	35	30

# Segmentbacken

Soft full grip jaws

Metrische Kreuzversatz  
Metric tongue and groove

Stahl / Steel C45

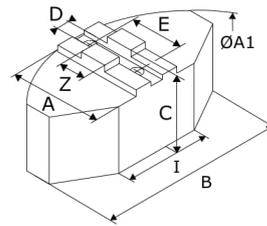


Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	Z	I	A1
Metrische Kreuzversatz/Metric tongue and groove												
F 160; F+ 160; FNC 175; KTNC 160; KTNCV 160; KTNCV 175	<b>17 0000 2750</b>	GPS-RM 160-1	60	120	50	8	32	M8	16	18	40	160
F 200; F+ 200; FNC 200; KTNC 200; KTNCV 200	<b>17 0000 2760</b>	GPS-RM 200-1	70	140	60	10	40	M8	17	20	65	200
F 250; F+ 250; FNC 250; FNC 315; KTNC 250; KTNC 265; KTNC 270; KTNC 280; KTNC 300; KTNC 315; KTNCV 250; KTNCV 270; KTNCV 315; UNC 250; UNC 315	<b>17 0000 2770</b>	GPS-RM 250-1	90	180	60	12	40	M12	34	20	70	250
F 315; F+ 315; FNC 400; KTNC 360; KTNC 400; KTNCV 400; UNC 400	<b>17 0000 2780</b>	GPS-RM 315-1	110	240	75	12	54	M12	40	26	120	320
F 400; F 500-L; F+ 400; F+ 500; FNC 500; FNC 630; KTNC 500; KTNC 630; KTNCV 500; KTNCV 630; UNC 500	<b>17 0000 2790</b>	GPS-RM 400-1	160	330	85	18	60	M16	80	30	150	440

# Segmentbacken

Soft full grip jaws

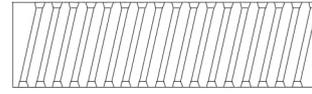
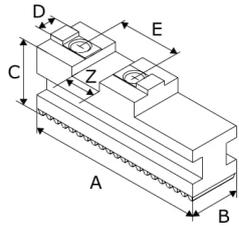
Metrische Kreuzversatz  
Metric tongue and groove  
Aluminium / Aluminum



Futtertyp/Chuck type Metrische Kreuzversatz/Metric tongue and groove	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	Z	I	A1
F 160; F+ 160; FNC 175; KTNC 160; KTNCV 160; KTNCV 175	<b>17 0000 2800</b>	GPA-RM 160-1	60	120	50	8	32	M8	16	18	40	160
F 200; F+ 200; FNC 200; KTNC 200; KTNCV 200	<b>17 0000 2810</b>	GPA-RM 200-1	70	140	60	10	40	M8	17	20	65	200
F 250; F+ 250; FNC 250; FNC 315; KTNC 250; KTNC 265; KTNC 270; KTNC 280; KTNC 300; KTNC 315; KTNCV 250; KTNCV 270; KTNCV 315; UNC 250; UNC 315	<b>17 0000 2820</b>	GPA-RM 250-1	90	180	60	12	40	M12	34	20	70	250
F 315; F+ 315; FNC 400; KTNC 360; KTNC 400; KTNCV 400; UNC 400	<b>17 0000 2830</b>	GPA-RM 315-1	110	240	75	12	54	M12	40	26	120	320

# Grundbacken

## Base jaws



**System Forkardt**

<b>Futtertyp/Chuck type</b> System Forkardt-Schräge Verzahnung/angled serration	<b>Index/Id.-No</b>	<b>Typ/Type</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>Schrauben</b> Screws	<b>Z</b>
F 160; F+ 160; FNC 175; KTNC 160; KTNCV 160; KTNCV 175	<b>17 0000 2920</b>	SPT-ZF 160-1	74	20	27	8	32	M8x1	18
F 200; F+ 200; FNC 200; KTNC 200; KTNCV 200	<b>17 0000 2930</b>	SPT-ZF 200-1	90	22	32	10	40	M8x1	20
F 250; F+ 250; FNC 250; FNC 315; KTNC 250; KTNC 265; KTNC 270; KTNC 280; KTNC 300; KTNC 315; KTNCV 250; KTNCV 270; KTNCV 315; UNC 250; UNC 315	<b>17 0000 2940</b>	SPT-ZF 250-1	110	26	37	12	40	M12x1,5	20
F 315; F+ 315; FNC 400; KTNC 360; KTNC 400; KTNCV 400; UNC 400	<b>17 0000 2950</b>	SPT-ZF 315-1	125	32	43	12	54	M12x1,5	26
F 400; F 500-L; F+ 400; F+ 500; FNC 500; FNC 630; KTNC 500; KTNC 630; KTNCV 500; KTNCV 630; UNC 500	<b>17 0000 2960</b>	SPT-ZF 400-1	160	45	51	18	60	M16x1,5	30
F 630; F+ 630	<b>17 0000 2970</b>	SPT-ZF 630-1	230	65	58	24	82	M20	40

# HOWA

	Verzahnung/Serration		Seite/Page
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		Aluminium/Aluminum	212
Weiche Aufsatzbacken gebohrt oder ungebohrt <i>Soft jaw blanks, without or with bolt holes</i>	60°	Stahl/Steel	213
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Harte Aufsatzbacken <i>Hard stepped top jaws</i>	60°		216
Harte Spannbacken-Stangenspannung <i>Hard jaws for bar clamping</i>	1,5mm x 60°		217
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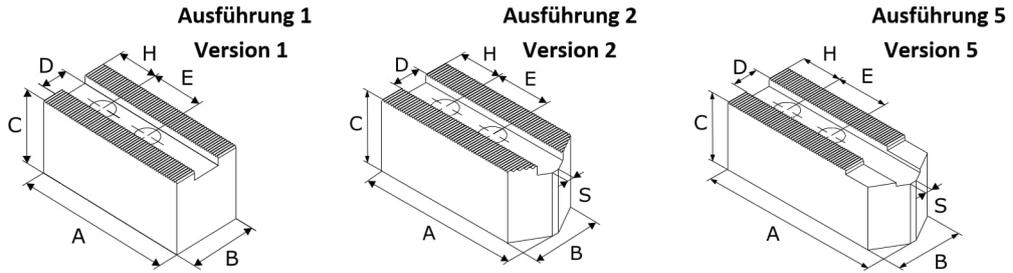
# Weiche Aufsatzbacken

## Soft top jaws

Verzahnung 60°

Serration 60°

Stahl/Steel C45



Futtertyp/Chuck type Verzahnung 1.5mm x 60° / Serration 1.5mm x 60°	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
H01MA4; H012D4; H022M5	17 0000 7060	MTS-M 110-1	55	25	32	10	14	M8	13	4	2
	17 0000 4010	MTS-M 110-3	55	22	47	10	14	M8	13	4	2
H01MA5 <sup>7)</sup>	17 0000 7060	MTS-M 110-1	55	25	32	10	14	M8	13	4	2
	17 0000 4010	MTS-M 110-3	55	22	47	10	14	M8	13	4	2
	17 0001 1720	MTS-M 135-3	55	22	47	10	19	M8	10	4	2
H024M5 <sup>3)</sup>	17 0000 7240	2MKS-M 110-1	55	25	50	10	14	M8	13	-	1
H027M4; H027M5; H032M6; H037M4; H037M5	17 0000 5600	MTS-M 110-5	55	25	25	11	16	M8	13	4	2
	17 0000 5610	MTS-M 110-6	55	25	50	11	16	M8	13	4	2
H01MA6S; H3KB6; H3KS6; H3KT6; H05M6; H07MA6; H012D6; H015M6; H022M6; H023M8 <sup>7)</sup> ; H027M6; H032M8; H037D6; H037M6; H047M6	17 0000 7810	MKS-M 165-1	72	32	32	12	20	M10	15	-	1
	17 0001 1630	MKS-M 165-2	72	35	60	12	20	M10	15	-	1
	17 0000 0840	MTS-M 165-3	75	30	30	12	20	M10	15	13	2
	17 0000 0850	MTS-M 165-4	81	30	30	12	20	M10	15	13	2
	17 0000 7820	MTS-M 165-1	82	32	32	12	20	M10	15	4	5
17 0001 1760	MTS-M 165-2	82	35	60	12	20	M10	15	4	5	
H024D6 <sup>3)</sup> ; H024M6 <sup>3)</sup> ; H034M6 <sup>3)</sup>	17 0000 7260	2MKS-M 165-1	72	35	60	12	20	M10	15	-	1
H01MA8S; H3KB8; H3KS8; H3KT8; H07MA8; H015M8	17 0000 0860	MTS-M 210-4	95	35	35	14	25	M12	20	15	2
	17 0000 7830	MKS-M 210-1	95	35	40	14	25	M12	24	-	1
	17 0001 1640	MKS-M 210-2	95	35	60	14	25	M12	24	-	1
	17 0001 1650	MKS-M 210-3	95	40	80	14	25	M12	24	-	1
	17 0000 4750	MKS-M 210-4	95	40	100	14	25	M12	24	-	1
	17 0000 7840	MTS-M 210-1	102	35	40	14	25	M12	20	4	5
	17 0000 0880	MTS-M 210-5	102	35	40	14	25	M12	20	15	2
	17 0000 4760	MTS-M 210-2	102	40	80	14	25	M12	20	4	5
	17 0000 4770	MTS-M 210-3	102	40	100	14	25	M12	20	4	5
H05M8; H07MA10; H012D8; H015M10; H022M8; H023M10 <sup>7)</sup> ; H027M8; H032M10; H037D8; H037M8; H047M8	17 0001 2700	MKS-M 210-5	85	40	40	16	25	M12	20	-	1
	17 0001 2710	MKS-M 210-6	85	40	60	16	25	M12	20	-	1
	17 0001 2720	MTS-M 210-6	102	40	40	16	25	M12	20	4	5
H01MA10S; H3KB10; H3KS10; H3KT10	17 0000 7080	MKS-M 250-6	90	40	60	16	30	M12	15	-	1
	17 0000 7090	MKS-M 250-7	90	50	80	16	30	M12	15	-	1
	17 0000 0890	MTS-M 250-4	110	40	40	16	30	M12	20	17	2
	17 0000 7850	MKS-M 250-1	110	40	42	16	30	M12	30	-	1
	17 0000 7860	MKS-M 250-2	110	40	60	16	30	M12	30	-	1
	17 0000 1200	MTS-M 250-5	110	40	60	16	30	M12	20	17	2
	17 0001 1660	MKS-M 250-3	110	40	80	16	30	M12	30	-	1
	17 0001 1670	MKS-M 250-4	120	40	100	16	30	M12	30	-	1
	17 0000 1230	MKS-M 250-5	120	40	120	16	30	M12	30	-	1
	17 0000 7100	MKS-M 250-8	120	50	50	16	30	M12	30	-	1
	17 0001 1600	MTS-M 250-1	125	40	42	16	30	M12	30	4	5
	17 0001 1710	MTS-M 250-2	125	40	60	16	30	M12	30	4	5
	17 0000 7070	MTS-M 250-3	125	40	100	16	30	M12	30	4	5
H024D8 <sup>3),7)</sup> ; H024M8 <sup>3),7)</sup> ; H034M8 <sup>3),7)</sup>	17 0000 7280	2MKS-M 250-1	110	40	80	16	30	M12	30	-	1

# Weiche Aufsatzbacken

Verzahnung 60°

## Soft top jaws

Serration 60°

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
H05M10; H012D10; H022M10; H027M10; H037M10; H047M10	<b>17 0001 2730</b>	MKS-M 250-9	108	50	50	18	30	M14	24	-	1
	<b>17 0001 2740</b>	MKS-M 250-10	108	50	80	18	30	M14	24	-	1
	<b>17 0001 2750</b>	MTS-M 250-6	120	50	50	18	30	M14	25	6	5
H01MA12S; H3KS12; H07MA12; H015M12; H023M12 <sup>7)</sup> ; H032M12	<b>17 0000 7110</b>	MKS-M 300-1	130	50	50	18	30	M14	40	-	1
	<b>17 0000 7120</b>	MKS-M 300-2	130	50	80	18	30	M14	40	-	1
	<b>17 0000 7130</b>	MKS-M 300-3	130	50	120	18	30	M14	40	-	1
	<b>17 0000 7140</b>	MTS-M 300-3	145	50	50	18	30	M14	30	10	5
	<b>17 0000 7150</b>	MTS-M 300-4	145	50	100	18	30	M14	30	10	5
H024M10 <sup>3)</sup> ; H034M10 <sup>3)</sup>	<b>17 0000 7290</b>	2MKS-M 300-1	130	50	50	18	30	M14	40	-	1
H3KB12; H3KT12; H05M12 <sup>7)</sup> ; H027M12 <sup>7)</sup> ; H037M12 <sup>7)</sup> ; H047M12 <sup>7)</sup>	<b>17 0001 1610</b>	MKS-M 300-4	129	50	60	21	30	M16	39	-	1
	<b>17 0001 1680</b>	MKS-M 300-5	129	50	80	21	30	M16	39	-	1
	<b>17 0000 1250</b>	MKS-M 300-6	129	50	100	21	30	M16	25	-	1
	<b>17 0000 1260</b>	MKS-M 300-7	129	50	120	21	30	M16	25	-	1
	<b>17 0000 7160</b>	MKS-M 300-9	140	50	100	21	30	M16	30	-	1
	<b>17 0001 1620</b>	MTS-M 300-5	145	50	50	21	30	M16	30	10	5
	<b>17 0000 7170</b>	MTS-M 300-6	145	50	100	21	30	M16	30	10	5
H034M12 <sup>3),7)</sup>	<b>17 0000 7300</b>	2MKS-M 300-2	110	50	60	21	30	M16	21	-	1
H3KS15	<b>17 0000 3050</b>	MKS-M 380-5	135	60	60	25,5	43	M20	26	-	1
	<b>17 0000 4070</b>	MKS-M 380-6	135	60	80	25,5	43	M20	26	-	1
	<b>17 0000 4090</b>	MKS-M 380-7	135	60	120	25,5	43	M20	26	-	1
	<b>17 0000 3070</b>	MKS-M 380-8	165	60	60	25,5	43	M20	37	-	1
	<b>17 0000 4140</b>	MKS-M 380-9	165	60	80	25,5	43	M20	37	-	1
	<b>17 0000 4160</b>	MKS-M 380-10	165	60	120	25,5	43	M20	37	-	1
	<b>Verzahnung 3mm x 60° / Serration 3mm x 60°</b>										
H01MA8; H02M8; H010D8	<b>17 0001 2760</b>	MKS-M 210-7	90	40	40	14	25	M12	20	-	1
H01MA10; H02M10	<b>17 0001 2770</b>	MKS-M 250-11	110	40	60	16	30	M12	25	-	1
H01MA12; H02M12	<b>17 0001 2780</b>	MKS-M 300-10	130	50	80	18	30	M14	40	-	1
H01MA15; H01MA18; H01MA21; H01MA24; H027M15 <sup>7)</sup> ; H037M15 <sup>7)</sup> ; H047M15 <sup>7)</sup>	<b>17 0000 5690</b>	MKS-M 380-11	156	60	80	26	50	M20	34	-	1

3) Uchwyt 2-szczękowy

3) 2-jaw chuck

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

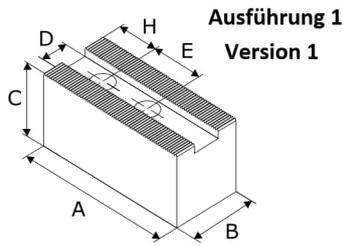
# Weiche Aufsatzbacken

## Soft top jaws

Verzahnung 60°

Serration 60°

Aluminium / Aluminum



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
Verzahnung 1.5mm x 60° / Serration 1.5mm x 60°											
H01MA6S; H3KB6; H3KS6; H3KT6; H05M6; H07MA6; H012D6; H015M6; H022M6; H023M8 <sup>7)</sup> ; H027M6; H032M8; H037D6; H037M6; H047M6	<b>17 0000 7310</b>	MKA-M 165-1	72	35	50	12	20	M10	15	-	1
H01MA8S; H3KB8; H3KS8; H3KT8; H07MA8; H015M8	<b>17 0000 7320</b>	MKA-M 210-1	90	40	60	14	25	M12	20	-	1
H01MA10S; H3KB10; H3KS10; H3KT10; H05M8 <sup>7)</sup> ; H07MA10 <sup>7)</sup> ; H012D8 <sup>7)</sup> ; H015M10 <sup>7)</sup> ; H022M8 <sup>7)</sup> ; H023M10 <sup>7)</sup> ; H027M8 <sup>7)</sup> ; H032M10 <sup>7)</sup> ; H037D8 <sup>7)</sup> ; H037M8 <sup>7)</sup> ; H047M8 <sup>7)</sup>	<b>17 0000 7330</b>	MKA-M 250-1	110	40	60	16	30	M12	25	-	1
H01MA12S; H3KS12; H05M10; H07MA12; H012D10; H015M12; H022M10; H023M12 <sup>7)</sup> ; H027M10; H032M12; H037M10; H047M10	<b>17 0000 7340</b>	MKA-M 300-1	130	50	80	18	30	M14	40	-	1
H3KB12; H3KT12; H05M12 <sup>7)</sup> ; H027M12 <sup>7)</sup> ; H037M12 <sup>7)</sup> ; H047M12 <sup>7)</sup>	<b>17 0000 7350</b>	MKA-M 300-2	130	50	80	21	30	M16	40	-	1
H3KS15 <sup>6)</sup>	<b>17 0000 7360</b>	MKA-M 380-2	145	60	80	22	43	M20	40	-	1

6) Bitte überprüfen Sie die Nutbreite.

Bei Bedarf bitte abgestufte Nutensteine verwenden

7) Bitte überprüfen Sie die Anschlussmaße

6) Please check the slot width.

If necessary please use stepped T-nuts

7) Please check the connecting dimensions

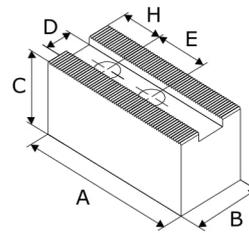
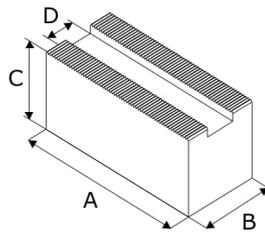
# Weiche Aufsatzbacken gebohrt oder ungebohrt

Soft jaw blanks, without or with bolt holes

Verzahnung 60°

Serration 60°

Stahl / Steel C45



**Ungebohrt**

Without bolt holes

**Geböhrt**

With bolt holes

**Futtertyp / Chuck type**

Verzahnung 1,5mm x60° / Serration 1,5mm x60°

	Index / Id.-No	Typ/Type	Index / Id.-No	Typ/Type	A	B	C	D
H01MA4; H01MA5; H012D4; H022M5; H024M5 <sup>3)</sup>	<b>17 0000 6540</b>	MBS-M 110-1	<b>17 0000 6541</b>	MWS-M 110-1	55	25	50	10
H01MA6S; H3KB6; H3KS6; H3KT6; H05M6; H07MA6; H012D6; H015M6; H022M6; H023M8; H024D6 <sup>3)</sup> ; H024M6 <sup>3)</sup> ; H027M6; H032M8; H034M6 <sup>3)</sup> ; H037D6; H037M6; H047M6	<b>17 0000 6550</b>	MBS-M 165-1	<b>17 0000 6551</b>	MWS-M 165-1	81	30	60	12
H01MA8S; H3KB8; H3KS8; H3KT8; H07MA8; H015M8	<b>17 0000 5000</b>	MBS-M 210-1	<b>17 0000 5001</b>	MWS-M 210-1	95	35	35	14
	<b>17 0000 5010</b>	MBS-M 210-2	<b>17 0000 5011</b>	MWS-M 210-2	95	40	60	14
	<b>17 0000 5020</b>	MBS-M 210-3	<b>17 0000 5021</b>	MWS-M 210-3	95	40	80	14
	<b>17 0000 5030</b>	MBS-M 210-4	<b>17 0000 5031</b>	MWS-M 210-4	95	40	100	14
	<b>17 0000 5040</b>	MBS-M 210-5	<b>17 0000 5041</b>	MWS-M 210-5	102	40	80	14
H01MA10S; H3KB10; H3KS10; H3KT10; H05M8; H07MA10; H012D8; H015M10; H022M8; H023M10; H024D8 <sup>3)</sup> ; H024M8 <sup>3)</sup> ; H027M8; H032M10; H034M8 <sup>3)</sup> ; H037D8; H037M8; H047M8	<b>17 0000 5060</b>	MBS-M 250-1	<b>17 0000 5061</b>	MWS-M 250-1	110	40	40	16
	<b>17 0000 5070</b>	MBS-M 250-2	<b>17 0000 5071</b>	MWS-M 250-2	110	40	60	16
	<b>17 0000 5080</b>	MBS-M 250-3	<b>17 0000 5081</b>	MWS-M 250-3	110	40	80	16
	<b>17 0000 5090</b>	MBS-M 250-4	<b>17 0000 5091</b>	MWS-M 250-4	110	40	100	16
H3KB12; H3KT12; H05M12; H027M12; H034M12 <sup>3)</sup> ; H037M12; H047M12	<b>17 0000 5110</b>	MBS-M 300-1	<b>17 0000 5111</b>	MWS-M 300-1	129	50	80	21
	<b>17 0000 5120</b>	MBS-M 300-2	<b>17 0000 5121</b>	MWS-M 300-2	129	50	100	21
	<b>17 0000 5130</b>	MBS-M 300-3	<b>17 0000 5131</b>	MWS-M 300-3	129	50	120	21

3) Zweibackenfutter

3) 2-jaw chuck

Für gebohrte Backenrohlinge geben Sie bitte die Maße H und E an

For jaws with bolt holes please indicate H and E dimensions

Nutbreite 10 mm  
Bohrung für M8  
Mindestwert:  
H = 8 mm, E = 14 mm

Nutbreite 12 mm  
Bohrung für M10  
Mindestwert:  
H = 12 mm, E = 16 mm

Slot width 10 mm  
bored for M8  
Minimum values:  
H = 8 mm, E = 14 mm

Slot width 12 mm  
bored for M10  
Minimum values:  
H = 12 mm, E = 16 mm

Nutbreite 14 mm  
Bohrung für M12  
Mindestwert:  
H = 12 mm, E = 19 mm

Nutbreite 16 mm  
Bohrung für M12  
Mindestwert:  
H = 12 mm, E = 19 mm

Slot width 14 mm  
bored for M12  
Minimum values:  
H = 12 mm, E = 19 mm

Slot width 15 mm  
bored for M12  
Minimum values:  
H = 12 mm, E = 19 mm

Nutbreite 21 mm  
Bohrung für M16  
Mindestwert:  
H = 15 mm, E = 25 mm

Slot width 21 mm  
bored for M16  
Minimum values:  
H = 15 mm, E = 25 mm

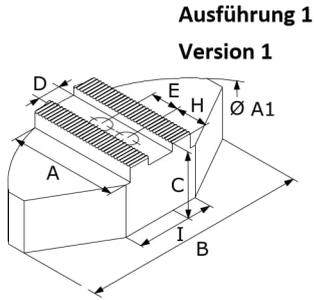
# Segmentbacken

Soft full grip jaws

Verzahnung 60°

Serration 60°

Stahl / Steel C45



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	I	A1	Ausführung Version
H01MA6S; H3KB6; H3KS6; H3KT6; H05M6; H07MA6; H012D6; H015M6; H022M6; H023M8 <sup>7)</sup> ; H027M6; H032M8; H037D6; H037M6; H047M6	<b>17 0000 1380</b>	GPS-M 165-1	60	120	50	12	20	M10	25	50	160	1
H01MA8S; H3KB8; H3KS8; H3KT8; H07MA8; H015M8	<b>17 0000 1390</b>	GPS-M 210-1	70	140	60	14	25	M12	30	70	200	1
	<b>17 0000 6610</b>	GPS-M 210-2	70	140	80	14	25	M12	30	70	200	1
H01MA10S; H3KB10; H3KS10; H3KT10; H07MA10 <sup>7)</sup> ; H015M10 <sup>7)</sup> ; H023M10 <sup>7)</sup> ; H032M10 <sup>7)</sup>	<b>17 0000 1400</b>	GPS-M 250-1	80	180	60	16	30	M12	30	100	250	1
	<b>17 0000 6620</b>	GPS-M 250-2	80	180	80	16	30	M12	30	100	250	1
H01MA12S; H3KS12; H07MA12; H015M12; H023M12 <sup>7)</sup> ; H032M12	<b>17 0000 4220</b>	GPS-M 300-1	110	240	70	18	30	M14	40	120	300	1
H3KB12; H3KT12; H05M12 <sup>7)</sup> ; H027M12 <sup>7)</sup> ; H037M12 <sup>7)</sup> ; H047M12 <sup>7)</sup>	<b>17 0000 1410</b>	GPS-M 300-2	110	240	70	21	30	M16	45	120	300	1

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

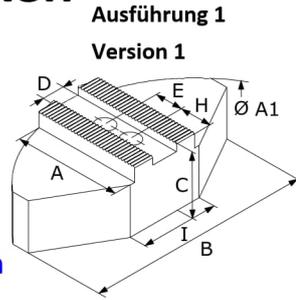
# Segmentbacken

Soft full grip jaws

Verzahnung 60°

Serration 60°

Aluminium / Aluminum



Futtertyp/Chuck type Verzahnung 1x,5mm x 60° / Serration 1,5mm x 60°	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	I	A1	Ausführung Version
H01MA6S; H3KB6; H3KS6; H3KT6; H05M6; H07MA6; H012D6; H015M6; H022M6; H023M8 <sup>7)</sup> ; H027M6; H032M8; H037D6; H037M6; H047M6	<b>17 0000 6370</b>	GPA-M 165-1	59,5	120	58	12	20	M10	25	40	165	1
H01MA8S; H3KB8; H3KS8; H3KT8; H07MA8; H015M8	<b>17 0000 6380</b>	GPA-M 210-1	72,5	140	58	14	25	M12	35	50	200	1
	<b>17 0000 6390</b>	GPA-M 210-2	72,5	140	80	14	25	M12	35	50	200	1
H01MA10S; H3KB10; H3KS10; H3KT10; H07MA10 <sup>7)</sup> ; H015M10 <sup>7)</sup> ; H023M10 <sup>7)</sup> ; H032M10 <sup>7)</sup>	<b>17 0000 6400</b>	GPA-M 250-1	87,5	180	58	16	30	M12	40	70	250	1
	<b>17 0000 6410</b>	GPA-M 250-2	87,5	180	80	16	30	M12	40	70	250	1
H01MA12S; H3KS12; H07MA12; H015M12; H023M12 <sup>7)</sup> ; H032M12	<b>17 0000 6420</b>	GPA-M 300-1	117	240	78	18	30	M14	40	80	320	1
H3KB12; H3KT12; H05M12 <sup>7)</sup> ; H027M12 <sup>7)</sup> ; H037M12 <sup>7)</sup> ; H047M12 <sup>7)</sup>	<b>17 0000 6430</b>	GPA-M 300-2	117	240	78	21	30	M16	45	80	320	1

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Harte Aufsatzbacken

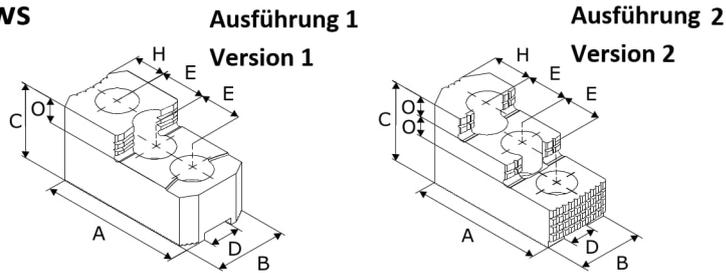
## Hard stepped top jaws

Verzahnung 60°

Serration 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



### Futtertyp / Chuck type

Verzahnung 1,5mm x 60° / Serration 1,5mm x 60°

	Index / Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	O	Ausführung Version
H01MA4; H01MA5; H012D4; H022M5	<b>17 0000 4260</b>	SGT-M 110-1	53	23	28	10	14	M8	14	10	1
H024M5 <sup>3)</sup>	<b>17 0001 1290</b>	2SGT-M 110-1	53	23	28	10	14	M8	14	10	1
H01MA6S; H3KB6; H3KS6; H3KT6; H05M6; H07MA6; H012D6; H015M6; H022M6; H027M6; H037D6; H037M6; H047M6	<b>17 0000 1540</b>	SGT-M 165-1	67	31	36	12	20	M10	14	12	1
H024D6 <sup>3)</sup> ; H024M6 <sup>3)</sup> ; H034M6 <sup>3)</sup>	<b>17 0001 1300</b>	2SGT-M 165-1	67	31	36	12	20	M10	14	12	1
H01MA8S; H3KB8; H3KS8; H3KT8; H07MA8; H015M8	<b>17 0000 7510</b>	SGT-M 210-1	79	32	38	14	25	M12	16	12	1
	<b>17 0000 1550</b>	SGT-M 210-2	87	35	51	14	25	M12	20,5	12	2
H01MA10S; H3KB10; H3KS10; H3KT10; H05M8 <sup>7)</sup> ; H07MA10 <sup>7)</sup> ; H012D8 <sup>7)</sup> ; H015M10 <sup>7)</sup> ; H022M8 <sup>7)</sup> ; H023M10 <sup>7)</sup> ; H027M8 <sup>7)</sup> ; H032M10 <sup>7)</sup> ; H037D8 <sup>7)</sup> ; H037M8 <sup>7)</sup> ; H047M8 <sup>7)</sup>	<b>17 0000 1560</b>	SGT-M 250-1	101	40	54	16	30	M12	23	13	2
H024D8 <sup>3),7)</sup> ; H024M8 <sup>3),7)</sup> ; H034M8 <sup>3),7)</sup>	<b>17 0001 1330</b>	2SGT-M 250-1	101	40	54	16	30	M12	23	13	2
H01MA12S; H3KS12; H05M10; H07MA12; H012D10; H015M12; H022M10; H023M12 <sup>7)</sup> ; H027M10; H032M12; H037M10; H047M10	<b>17 0000 4280</b>	SGT-M 300-1	103	50	52	18	30	M14	22,5	17	1
	<b>17 0000 7520</b>	SGT-M 300-2	106	50	62	18	30	M14	20	15	2
H024M10 <sup>3)</sup> ; H034M10 <sup>3)</sup>	<b>17 0001 1350</b>	2SGT-M 300-1	103	50	52	18	30	M14	22,5	17	1
H3KB12; H3KT12; H05M12 <sup>7)</sup> ; H027M12 <sup>7)</sup> ; H037M12 <sup>7)</sup> ; H047M12 <sup>7)</sup>	<b>17 0000 1570</b>	SGT-M 300-3	103	50	52	21	30	M16	22,5	17	1
	<b>17 0000 7530</b>	SGT-M 300-4	128	50	62	21	30	M16	46	14	2
H034M12 <sup>3),7)</sup>	<b>17 0001 1370</b>	2SGT-M 300-2	103	50	52	21	30	M16	22,5	17	1
H3KS15	<b>17 0000 3160</b>	SGT-M 380-2	149	62	86	25,5	43	M20	30,5	20	2

3) Zweibackenfutter

7) Bitte überprüfen Sie die Anschlussmaße

3) 2-jaw chuck

7) Please check the connecting dimensions

# Harte Spannbacken-Stangenspannung

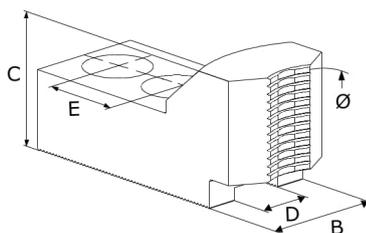
## Hard jaws for bar clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp / Chuck type ab Ø 165mm / from Ø 165mm	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ	B	C	D	E	Schrauben Screws
H01MA6S	5 – 18	174	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 29	174	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
H3KB6	5 – 21	177	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 32	177	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
H3KS6	5 – 11	167	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 23	167	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
H3KT6	5 – 17	173	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 29	173	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
H05M6	5 – 18	174	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 30	174	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
H07MA6	5 – 23	179	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 34	179	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
H012D6	8 – 19	175	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	19 – 30	175	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
H022M6	5 – 21	177	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 32	177	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
H027M6	5 – 18	174	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 29	174	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
H037D6	5 – 16	172	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 28	172	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
H037M6	5 – 16	172	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 28	172	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
H047M6	5 – 18	174	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 29	174	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
<b>ab Ø 210mm / from Ø 210mm</b>									
H01MA8S	5 – 24	218	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 – 39	218	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
H3KB8	5 – 25	219	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	16 – 40	219	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
H3KS8	5 – 23	217	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	16 – 38	217	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
H3KT8	5 – 23	217	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 – 38	217	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
H07MA8	5 – 31	225	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 – 46	225	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
<b>ab Ø 254mm / from Ø 254mm</b>									
H01MA10S	5 – 32	260	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 56	260	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
H3KB10	5 – 33	261	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 57	261	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
H3KS10	5 – 24	252	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 49	252	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12

# Harte Spannbacken-Stangenspannung

## Hard jaws for bar clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Futtertyp / Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ	B	C	D	E	Schrauben Screws
H3KT10	5 – 30	258	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 54	258	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
H07MA10 <sup>7)</sup>	5 – 38	266	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 62	266	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
H023M10 <sup>7)</sup>	5 – 37	265	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 61	265	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
H032M10 <sup>7)</sup>	5 – 60	288	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 83	288	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
<b>ab Ø 304mm / from Ø 304mm</b>									
H01MA12S	5 – 36	300	<b>17 0001 1940</b>	GTM-M 300-1	48	50	18	30	M14
	18 – 55	300	<b>17 0001 1950</b>	GTM-M 300-2	48	50	18	30	M14
H3KB12	5 – 53	319	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 72	319	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16
H3KS12	5 – 47	312	<b>17 0001 1940</b>	GTM-M 300-1	48	50	18	30	M14
	18 – 67	312	<b>17 0001 1950</b>	GTM-M 300-2	48	50	18	30	M14
H3KT12	5 – 41	307	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 61	307	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16
H05M12 <sup>7)</sup>	5 – 28	293	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 48	293	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16
H07MA12	5 – 50	314	<b>17 0001 1940</b>	GTM-M 300-1	48	50	18	30	M14
	18 – 69	314	<b>17 0001 1950</b>	GTM-M 300-2	48	50	18	30	M14
H023M12 <sup>7)</sup>	5 – 52	317	<b>17 0001 1940</b>	GTM-M 300-1	48	50	18	30	M14
	18 – 72	317	<b>17 0001 1950</b>	GTM-M 300-2	48	50	18	30	M14
H032M12	5 – 78	343	<b>17 0001 1940</b>	GTM-M 300-1	48	50	18	30	M14
	18 – 97	343	<b>17 0001 1950</b>	GTM-M 300-2	48	50	18	30	M14
H037M12 <sup>7)</sup>	5 – 46	311	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 65	311	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Krallenbacken Außenspannung

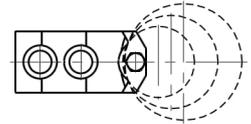
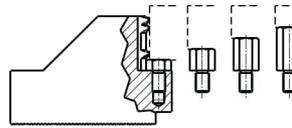
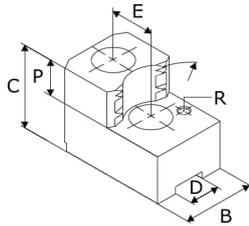
## Hard claw jaws for O.D. clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 165mm/from Ø165mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
H01MA6S	37 - 51	176	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	53 - 67	176	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	69 - 83	177	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	82 - 97	177	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	99 - 113	175	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	124 - 139	201	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
H3KB6	35 - 55	179	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	50 - 70	179	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	66 - 86	180	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	80 - 100	180	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	97 - 116	178	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	122 - 142	204	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
H3KS6	31 - 45	169	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	46 - 60	169	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	62 - 76	170	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	76 - 90	170	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	92 - 106	168	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	118 - 132	194	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
H3KT6	26 - 51	175	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	41 - 66	175	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	57 - 82	176	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	71 - 96	176	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	87 - 112	174	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	113 - 138	200	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
H05M6	31 - 52	176	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	46 - 67	176	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	62 - 84	177	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	76 - 97	177	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	92 - 113	175	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	118 - 140	201	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
H07MA6	26 - 56	181	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	40 - 72	181	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	56 - 88	181	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	70 - 102	181	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	86 - 118	180	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	112 - 144	206	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
H012D6	41 - 52	177	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	57 - 68	177	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	73 - 84	177	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	87 - 98	177	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	103 - 114	176	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	129 - 140	202	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6

# Krallenbacken Außenspannung

Hard claw jaws for O.D. clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ	B	C	D	E	Schrauben	P	R
	Clamping range	Swing diameter									
H022M6	29 – 55	179	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	43 – 70	179	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	59 – 86	180	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	73 – 100	180	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	89 – 116	178	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	115 – 142	204	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
H027M6	26 – 51	176	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	33 – 67	176	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	48 – 83	177	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	62 – 97	177	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	78 – 113	175	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	104 – 139	201	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
H037D6	33 – 50	174	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	48 – 65	174	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	64 – 81	175	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	78 – 95	175	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	94 – 111	173	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	120 – 137	199	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
H037M6	28 – 50	174	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	42 – 65	174	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	58 – 81	175	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	72 – 95	175	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	88 – 111	173	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	114 – 137	199	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
H047M6	26 – 51	176	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	33 – 67	176	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	48 – 83	177	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	62 – 97	177	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	78 – 113	175	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	104 – 139	201	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
<b>ab Ø 210mm / from Ø 210mm</b>											
H01MA8S	36 – 65	214	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	62 – 93	214	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	93 – 123	215	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	123 – 153	217	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	145 – 175	235	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	181 – 212	272	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
H3KB8	41 – 66	215	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	69 – 93	215	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	99 – 124	216	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	129 – 154	218	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	151 – 176	235	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	188 – 213	273	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
H3KS8	41 – 64	213	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	68 – 92	213	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	99 – 122	214	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	129 – 152	216	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	151 – 174	234	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	187 – 211	271	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6

# Krallenbacken Außenspannung

Verzahnung 1,5mm x 60°

Hard claw jaws for O.D. clamping

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
H3KT8	34 - 64	213	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	61 - 91	213	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	91 - 122	214	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	121 - 152	216	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	143 - 174	233	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	180 - 211	271	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
H05M8	30 - 57	206	<b>17 0001 2790</b>	GTZ-M 210-7	35	53	16	25	M12	25	M6
	56 - 84	206	<b>17 0001 2800</b>	GTZ-M 210-8	35	53	16	25	M12	25	M6
	87 - 114	207	<b>17 0001 2810</b>	GTZ-M 210-9	40	53	16	25	M12	25	M6
	116 - 145	208	<b>17 0001 2820</b>	GTZ-M 210-10	40	53	16	25	M12	25	M6
H07MA8	34 - 71	221	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	61 - 99	221	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	92 - 129	222	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	122 - 160	224	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	143 - 182	241	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	180 - 219	279	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
H012D8	45 - 67	216	<b>17 0001 2790</b>	GTZ-M 210-7	35	53	16	25	M12	25	M6
	73 - 94	216	<b>17 0001 2800</b>	GTZ-M 210-8	35	53	16	25	M12	25	M6
	103 - 125	217	<b>17 0001 2810</b>	GTZ-M 210-9	40	53	16	25	M12	25	M6
	133 - 155	219	<b>17 0001 2820</b>	GTZ-M 210-10	40	53	16	25	M12	25	M6
H022M8	31 - 72	221	<b>17 0001 2790</b>	GTZ-M 210-7	35	53	16	25	M12	25	M6
	58 - 100	221	<b>17 0001 2800</b>	GTZ-M 210-8	35	53	16	25	M12	25	M6
	88 - 130	222	<b>17 0001 2810</b>	GTZ-M 210-9	40	53	16	25	M12	25	M6
	118 - 160	224	<b>17 0001 2820</b>	GTZ-M 210-10	40	53	16	25	M12	25	M6
H023M8 <sup>7)</sup>	45 - 92	217	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	60 - 108	217	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	76 - 124	217	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	90 - 137	217	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	106 - 154	216	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	132 - 180	242	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
H027M8	29 - 69	218	<b>17 0001 2790</b>	GTZ-M 210-7	35	53	16	25	M12	25	M6
	50 - 96	218	<b>17 0001 2800</b>	GTZ-M 210-8	35	53	16	25	M12	25	M6
	80 - 127	219	<b>17 0001 2810</b>	GTZ-M 210-9	40	53	16	25	M12	25	M6
	110 - 157	221	<b>17 0001 2820</b>	GTZ-M 210-10	40	53	16	25	M12	25	M6
H032M8	36 - 117	242	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	51 - 133	242	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	67 - 150	243	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	81 - 163	243	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	97 - 179	242	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	123 - 206	268	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
H037D8	29 - 67	216	<b>17 0001 2790</b>	GTZ-M 210-7	35	53	16	25	M12	25	M6
	53 - 95	216	<b>17 0001 2800</b>	GTZ-M 210-8	35	53	16	25	M12	25	M6
	83 - 125	217	<b>17 0001 2810</b>	GTZ-M 210-9	40	53	16	25	M12	25	M6
	113 - 155	219	<b>17 0001 2820</b>	GTZ-M 210-10	40	53	16	25	M12	25	M6
H037M8	29 - 67	216	<b>17 0001 2790</b>	GTZ-M 210-7	35	53	16	25	M12	25	M6
	50 - 95	216	<b>17 0001 2800</b>	GTZ-M 210-8	35	53	16	25	M12	25	M6
	80 - 125	217	<b>17 0001 2810</b>	GTZ-M 210-9	40	53	16	25	M12	25	M6
	110 - 155	219	<b>17 0001 2820</b>	GTZ-M 210-10	40	53	16	25	M12	25	M6

# Krallenbacken Außenspannung

Hard claw jaws for O.D. clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ	B	C	D	E	Schrauben	P	R
	Clamping range	Swing diameter									
H047M8	29 – 69	218	<b>17 0001 2790</b>	GTZ-M 210-7	35	53	16	25	M12	25	M6
	50 – 96	218	<b>17 0001 2800</b>	GTZ-M 210-8	35	53	16	25	M12	25	M6
	80 – 127	219	<b>17 0001 2810</b>	GTZ-M 210-9	40	53	16	25	M12	25	M6
	110 – 157	221	<b>17 0001 2820</b>	GTZ-M 210-10	40	53	16	25	M12	25	M6
<b>ab Ø 254mm / from Ø 254mm</b>											
H01MA10S	36 – 84	262	<b>17 0001 2830</b>	GTZ-M 250-6	40	58	18	30	M14	25	M6
	77 – 126	262	<b>17 0001 2840</b>	GTZ-M 250-7	40	58	18	30	M14	25	M6
	119 – 168	266	<b>17 0001 2850</b>	GTZ-M 250-8	45	58	18	30	M14	25	M6
	166 – 216	284	<b>17 0001 2860</b>	GTZ-M 250-9	45	58	18	30	M14	25	M6
H3KB10	45 – 85	263	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	86 – 127	263	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	130 – 171	267	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	175 – 216	282	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	210 – 251	313	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
H3KS10	37 – 76	254	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	77 – 118	254	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	121 – 162	258	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	166 – 207	273	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	201 – 243	305	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
H3KT10	42 – 82	260	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	83 – 124	260	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	127 – 168	264	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	172 – 213	279	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	207 – 248	311	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
H05M10	33 – 65	243	<b>17 0001 2830</b>	GTZ-M 250-6	40	58	18	30	M14	25	M6
	66 – 107	243	<b>17 0001 2840</b>	GTZ-M 250-7	40	58	18	30	M14	25	M6
	108 – 149	247	<b>17 0001 2850</b>	GTZ-M 250-8	45	58	18	30	M14	25	M6
	154 – 196	265	<b>17 0001 2860</b>	GTZ-M 250-9	45	58	18	30	M14	25	M6
H07MA10 <sup>7)</sup>	36 – 90	268	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	74 – 132	268	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	117 – 176	272	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	162 – 222	287	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	197 – 257	319	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
H012D10	54 – 84	262	<b>17 0001 2830</b>	GTZ-M 250-6	40	58	18	30	M14	25	M6
	96 – 126	262	<b>17 0001 2840</b>	GTZ-M 250-7	40	58	18	30	M14	25	M6
	138 – 168	266	<b>17 0001 2850</b>	GTZ-M 250-8	45	58	18	30	M14	25	M6
	185 – 216	284	<b>17 0001 2860</b>	GTZ-M 250-9	45	58	18	30	M14	25	M6
H022M10	33 – 91	269	<b>17 0001 2830</b>	GTZ-M 250-6	40	58	18	30	M14	25	M6
	71 – 133	269	<b>17 0001 2840</b>	GTZ-M 250-7	40	58	18	30	M14	25	M6
	113 – 175	273	<b>17 0001 2850</b>	GTZ-M 250-8	45	58	18	30	M14	25	M6
	160 – 222	291	<b>17 0001 2860</b>	GTZ-M 250-9	45	58	18	30	M14	25	M6
H023M10 <sup>7)</sup>	36 – 89	267	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	66 – 131	267	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	109 – 175	271	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	154 – 220	286	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	189 – 255	318	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
H027M10	34 – 89	267	<b>17 0001 2830</b>	GTZ-M 250-6	40	58	18	30	M14	25	M6
	75 – 131	267	<b>17 0001 2840</b>	GTZ-M 250-7	40	58	18	30	M14	25	M6
	116 – 173	271	<b>17 0001 2850</b>	GTZ-M 250-8	45	58	18	30	M14	25	M6
	163 – 221	289	<b>17 0001 2860</b>	GTZ-M 250-9	45	58	18	30	M14	25	M6

# Krallenbacken Außenspannung

Verzahnung 1,5mm x 60°

Hard claw jaws for O.D. clamping

Serration 1,5mm x 60°

Futtertyp/chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
H032M10 <sup>7)</sup>	40 – 111	290	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	81 – 153	290	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	125 – 198	294	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	170 – 243	309	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	205 – 278	341	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
H037M10	42 – 85	263	<b>17 0001 2830</b>	GTZ-M 250-6	40	58	18	30	M14	25	M6
	83 – 127	263	<b>17 0001 2840</b>	GTZ-M 250-7	40	58	18	30	M14	25	M6
	124 – 169	267	<b>17 0001 2850</b>	GTZ-M 250-8	45	58	18	30	M14	25	M6
	172 – 216	285	<b>17 0001 2860</b>	GTZ-M 250-9	45	58	18	30	M14	25	M6
H047M10	34 – 89	267	<b>17 0001 2830</b>	GTZ-M 250-6	40	58	18	30	M14	25	M6
	75 – 131	267	<b>17 0001 2840</b>	GTZ-M 250-7	40	58	18	30	M14	25	M6
	116 – 173	271	<b>17 0001 2850</b>	GTZ-M 250-8	45	58	18	30	M14	25	M6
	163 – 221	289	<b>17 0001 2860</b>	GTZ-M 250-9	45	58	18	30	M14	25	M6
<b>ab Ø 304mm / from Ø 304mm</b>											
H01MA12S	41 – 104	308	<b>17 0001 2170</b>	GTZ-M 300-1	50	65	18	30	M14	25	M8
	91 – 163	308	<b>17 0001 2180</b>	GTZ-M 300-2	50	65	18	30	M14	25	M8
	156 – 230	322	<b>17 0001 2190</b>	GTZ-M 300-3	50	65	18	30	M14	25	M8
	220 – 294	366	<b>17 0001 2200</b>	GTZ-M 300-4	50	65	18	30	M14	25	M8
H3KB12	59 – 122	326	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	119 – 182	326	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	185 – 249	340	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	249 – 313	384	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
H3KS12	41 – 116	320	<b>17 0001 2170</b>	GTZ-M 300-1	50	65	18	30	M14	25	M8
	101 – 175	320	<b>17 0001 2180</b>	GTZ-M 300-2	50	65	18	30	M14	25	M8
	167 – 242	334	<b>17 0001 2190</b>	GTZ-M 300-3	50	65	18	30	M14	25	M8
	230 – 306	378	<b>17 0001 2200</b>	GTZ-M 300-4	50	65	18	30	M14	25	M8
H3KT12	47 – 110	315	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	107 – 170	315	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	173 – 237	328	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	237 – 301	372	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
H05M12 <sup>7)</sup>	41 – 97	301	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	76 – 157	301	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	141 – 223	315	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	204 – 288	359	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
H07MA12	55 – 133	312	<b>17 0001 2830</b>	GTZ-M 250-6	40	58	18	30	M14	25	M6
	97 – 175	312	<b>17 0001 2840</b>	GTZ-M 250-7	40	58	18	30	M14	25	M6
	139 – 217	316	<b>17 0001 2850</b>	GTZ-M 250-8	45	58	18	30	M14	25	M6
	186 – 265	334	<b>17 0001 2860</b>	GTZ-M 250-9	45	58	18	30	M14	25	M6
H023M12 <sup>7)</sup>	52 – 136	315	<b>17 0001 2830</b>	GTZ-M 250-6	40	58	18	30	M14	25	M6
	93 – 178	315	<b>17 0001 2840</b>	GTZ-M 250-7	40	58	18	30	M14	25	M6
	135 – 220	319	<b>17 0001 2850</b>	GTZ-M 250-8	45	58	18	30	M14	25	M6
	182 – 268	337	<b>17 0001 2860</b>	GTZ-M 250-9	45	58	18	30	M14	25	M6
H032M12	45 – 162	341	<b>17 0001 2830</b>	GTZ-M 250-6	40	58	18	30	M14	25	M6
	86 – 204	341	<b>17 0001 2840</b>	GTZ-M 250-7	40	58	18	30	M14	25	M6
	128 – 246	345	<b>17 0001 2850</b>	GTZ-M 250-8	45	58	18	30	M14	25	M6
	175 – 294	362	<b>17 0001 2860</b>	GTZ-M 250-9	45	58	18	30	M14	25	M6
H037M12 <sup>7)</sup>	42 – 115	319	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	102 – 174	319	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	167 – 241	333	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	231 – 305	377	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8

# Krallenbacken Außenspannung

Verzahnung 1,5mm x 60°

Hard claw jaws for O.D. clamping

Serration 1,5mm x 60°

Futtertyp/Chuck type ab Ø 381mm/from Ø 381mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
H3KS15 <sup>6)</sup>	44 - 101	385	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	100 - 159	391	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	159 - 219	391	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	220 - 280	411	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	280 - 340	428	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	340 - 400	480	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8

6) Bitte überprüfen Sie die Nutbreite.

Bei Bedarf bitte abgestufte Nutensteine verwenden

7) Bitte überprüfen Sie die Anschlussmaße

6) Please check the slot width.

If necessary please use stepped T-nuts

7) Please check the connecting dimensions

# Krallenbacken Innenspannung

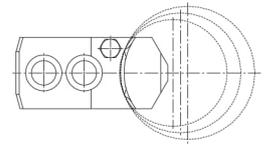
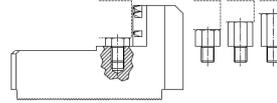
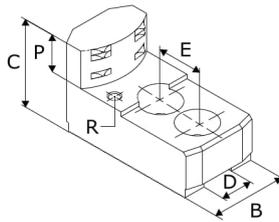
Hard claw jaws for I.D. clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 210mm/from Ø 210mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
H01MA8S	57 - 81	214	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	81 - 111	215	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	111 - 141	215	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	140 - 171	225	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
H3KB8	57 - 81	215	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	87 - 111	216	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	117 - 142	216	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	147 - 171	225	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
H3KS8	57 - 80	213	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	86 - 110	214	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	117 - 140	214	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	146 - 170	224	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
H3KT8	57 - 79	213	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	79 - 109	214	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	109 - 140	214	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	139 - 170	224	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
H07MA8	57 - 87	221	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	79 - 117	222	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	110 - 148	222	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	139 - 177	231	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
<b>ab Ø 254mm/from Ø 254mm</b>											
H3KB10	62 - 102	263	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	102 - 142	263	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	139 - 180	263	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	173 - 214	267	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
H3KS10	60 - 94	254	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	94 - 134	254	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	131 - 171	254	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	164 - 205	258	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
H3KT10	60 - 99	260	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	99 - 139	260	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	136 - 177	260	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	170 - 211	264	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
H07MA10 <sup>7)</sup>	60 - 108	268	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	90 - 148	268	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	127 - 185	268	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	160 - 220	272	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
H023M10 <sup>7)</sup>	60 - 106	267	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	89 - 146	267	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	118 - 184	267	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	152 - 218	271	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6

# Krallenbacken Innenspannung

Verzahnung 1,5mm x 60°

Hard claw jaws for I.D. clamping

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
H032M10 <sup>7)</sup>	60 – 129	290	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	97 – 169	290	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	134 – 207	290	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	168 – 241	294	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
<b>ab Ø 304mm/from Ø304mm</b>											
H01MA12S	78 – 133	308	<b>17 0000 8480</b>	GTW-M 300-1	50	65	18	30	M14	25	M8
	121 – 194	308	<b>17 0000 8490</b>	GTW-M 300-2	50	65	18	30	M14	25	M8
	185 – 258	308	<b>17 0000 8500</b>	GTW-M 300-3	50	65	18	30	M14	25	M8
	236 – 310	352	<b>17 0000 8510</b>	GTW-M 300-4	50	65	18	30	M14	25	M8
H3KB12	89 – 151	326	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	149 – 212	326	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	213 – 277	326	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	265 – 329	370	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
H3KS12	78 – 144	320	<b>17 0000 8480</b>	GTW-M 300-1	50	65	18	30	M14	25	M8
	131 – 206	320	<b>17 0000 8490</b>	GTW-M 300-2	50	65	18	30	M14	25	M8
	195 – 270	320	<b>17 0000 8500</b>	GTW-M 300-3	50	65	18	30	M14	25	M8
	246 – 322	364	<b>17 0000 8510</b>	GTW-M 300-4	50	65	18	30	M14	25	M8
H3KT12	78 – 139	315	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	137 – 200	315	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	201 – 265	315	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	253 – 317	358	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
H05M12 <sup>7)</sup>	78 – 126	301	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	109 – 187	301	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	169 – 251	301	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	221 – 304	345	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
H07MA12	78 – 147	322	<b>17 0000 8480</b>	GTW-M 300-1	50	65	18	30	M14	25	M8
	130 – 208	322	<b>17 0000 8490</b>	GTW-M 300-2	50	65	18	30	M14	25	M8
	194 – 273	322	<b>17 0000 8500</b>	GTW-M 300-3	50	65	18	30	M14	25	M8
	245 – 325	366	<b>17 0000 8510</b>	GTW-M 300-4	50	65	18	30	M14	25	M8
H023M12 <sup>7)</sup>	78 – 149	325	<b>17 0000 8480</b>	GTW-M 300-1	50	65	18	30	M14	25	M8
	126 – 211	325	<b>17 0000 8490</b>	GTW-M 300-2	50	65	18	30	M14	25	M8
	190 – 275	325	<b>17 0000 8500</b>	GTW-M 300-3	50	65	18	30	M14	25	M8
	242 – 327	369	<b>17 0000 8510</b>	GTW-M 300-4	50	65	18	30	M14	25	M8
H032M12	78 – 175	351	<b>17 0000 8480</b>	GTW-M 300-1	50	65	18	30	M14	25	M8
	119 – 237	351	<b>17 0000 8490</b>	GTW-M 300-2	50	65	18	30	M14	25	M8
	183 – 301	351	<b>17 0000 8500</b>	GTW-M 300-3	50	65	18	30	M14	25	M8
	234 – 353	395	<b>17 0000 8510</b>	GTW-M 300-4	50	65	18	30	M14	25	M8
H037M12 <sup>7)</sup>	78 – 143	319	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	132 – 205	319	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	196 – 269	319	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	247 – 321	363	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
<b>ab Ø 381mm/from Ø381mm</b>											
H3KS15 <sup>6)</sup>	100 – 157	385	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	154 – 213	385	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	208 – 268	385	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	278 – 338	392	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	338 – 398	444	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8

6) Bitte überprüfen Sie die Nutbreite.

6) Please check the slot width.

Bei Bedarf bitte abgestufte Nutensteine verwenden

If necessary please use stepped T-nuts

7) Bitte überprüfen Sie die Anschlussmaße

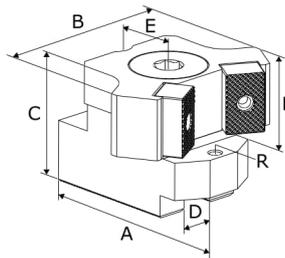
7) Please check the connecting dimensions

# Pendelbacken

## Pendulum jaws

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°



Pendelbacken ermöglichen sicheres Spannen dünnwandiger und verformungsgefährdeter Werkstücke

Die Befestigung erfolgt mit einzelnen Nutensteinen  
Nutensteine müssen separat bestellt werden

Pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation

Fastening is done using single T-Nuts  
T-Nuts must be ordered separately

Futtertyp/Chuck type ab Ø 210mm / from Ø 210mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
H01MA8S	57 - 75	213	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 - 83	213	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	88 - 106	234	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	113 - 131	234	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
H3KB8	62 - 76	214	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	70 - 83	214	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	93 - 106	235	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	118 - 132	234	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
H3KS8	62 - 74	212	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	70 - 82	212	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	93 - 105	233	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	118 - 130	233	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
H3KT8	55 - 74	212	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 - 82	212	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	86 - 105	233	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	111 - 130	232	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
H07MA8	56 - 81	220	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 - 89	220	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	86 - 112	241	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	112 - 137	240	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
<b>ab Ø 254mm / from Ø 254mm</b>												
H01MA10S	61 - 99	270	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	69 - 108	270	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 112	270	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	117 - 157	284	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	129 - 169	284	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
H3KB10	70 - 99	270	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	76 - 108	270	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 112	270	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	125 - 158	284	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	137 - 170	284	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
H3KS10	62 - 95	262	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	69 - 101	262	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 105	262	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	117 - 150	275	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	129 - 162	275	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
H3KT10	67 - 99	267	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	73 - 106	267	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 110	267	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	122 - 155	281	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	134 - 167	281	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6

# Pendelbacken

Verzahnung 1,5mm x 60°

## Pendulum jaws

Serration 1,5mm x 60°

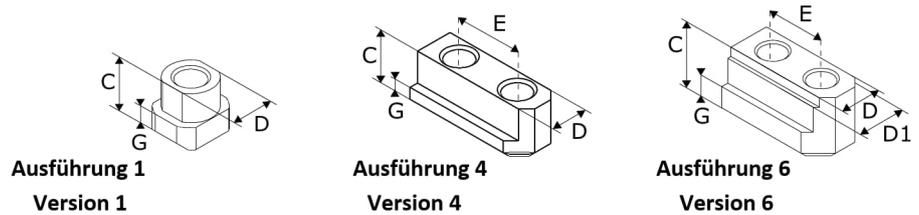
Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
	Clamping range	Swing diameter										
H07MA10 <sup>7)</sup>	59 – 99	276	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	69 – 113	276	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 – 117	276	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	114 – 163	289	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	126 – 175	289	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
H023M10 <sup>7)</sup>	54 – 99	274	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	69 – 112	274	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 – 116	274	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	107 – 161	288	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	119 – 173	288	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
H032M10 <sup>7)</sup>	65 – 99	297	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	71 – 123	297	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 – 136	297	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	121 – 181	311	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	133 – 193	311	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
<b>ab Ø 304mm / from Ø 304mm</b>												
H01MA12S	64 – 119	301	<b>17 0001 3540</b>	SWT-M 315-1	97	93	68	18	34	M14	35	M6
	99 – 133	301	<b>17 0001 3550</b>	SWT-M 315-2	97	130	68	18	34	M14	35	M6
	138 – 196	318	<b>17 0001 3560</b>	SWT-M 315-3	75	150	68	18	34	M14	35	M6
	159 – 206	320	<b>17 0001 3570</b>	SWT-M 315-4	75	179	68	18	34	M14	35	M6
H3KB12	86 – 120	319	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	100 – 149	319	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	163 – 212	337	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	173 – 222	338	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6
H3KS12	70 – 120	313	<b>17 0001 3540</b>	SWT-M 315-1	97	93	68	18	34	M14	35	M6
	99 – 144	313	<b>17 0001 3550</b>	SWT-M 315-2	97	130	68	18	34	M14	35	M6
	147 – 206	330	<b>17 0001 3560</b>	SWT-M 315-3	75	150	68	18	34	M14	35	M6
	159 – 216	332	<b>17 0001 3570</b>	SWT-M 315-4	75	179	68	18	34	M14	35	M6
H3KT12	76 – 120	307	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	99 – 139	307	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	153 – 202	325	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	163 – 212	327	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6
H05M12 <sup>7)</sup>	64 – 113	294	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	99 – 127	294	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	124 – 190	312	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	159 – 200	313	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6
H07MA12	69 – 120	315	<b>17 0001 3540</b>	SWT-M 315-1	97	93	68	18	34	M14	35	M6
	99 – 146	315	<b>17 0001 3550</b>	SWT-M 315-2	97	130	68	18	34	M14	35	M6
	146 – 209	333	<b>17 0001 3560</b>	SWT-M 315-3	75	150	68	18	34	M14	35	M6
	159 – 219	334	<b>17 0001 3570</b>	SWT-M 315-4	75	179	68	18	34	M14	35	M6
H023M12 <sup>7)</sup>	66 – 120	318	<b>17 0001 3540</b>	SWT-M 315-1	97	93	68	18	34	M14	35	M6
	99 – 148	318	<b>17 0001 3550</b>	SWT-M 315-2	97	130	68	18	34	M14	35	M6
	143 – 211	335	<b>17 0001 3560</b>	SWT-M 315-3	75	150	68	18	34	M14	35	M6
	159 – 221	337	<b>17 0001 3570</b>	SWT-M 315-4	75	179	68	18	34	M14	35	M6
H032M12	64 – 120	343	<b>17 0001 3540</b>	SWT-M 315-1	97	93	68	18	34	M14	35	M6
	99 – 170	343	<b>17 0001 3550</b>	SWT-M 315-2	97	130	68	18	34	M14	35	M6
	136 – 223	361	<b>17 0001 3560</b>	SWT-M 315-3	75	150	68	18	34	M14	35	M6
	159 – 243	363	<b>17 0001 3570</b>	SWT-M 315-4	75	179	68	18	34	M14	35	M6
H037M12 <sup>7)</sup>	71 – 120	312	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	99 – 143	312	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	148 – 206	329	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	159 – 216	331	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# T-Nutensteine

## T-Nuts



Futtertyp/Chuck type ab Ø 110mm / from Ø 110mm	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	Max. Anzugsmoment Nm Max. tightening torque Nm		Ausführung Version
								G		
H01MA4; H012D4	<b>17 0000 3220</b>	WTD 10-4	15	10	-	14	M8x20	5	30	4
H027M4; H037M4	<b>17 0000 5760</b>	WTD 11-1	16,5	11	-	16	M8x20	6,5	30	4
<b>ab Ø 135mm / from Ø 135mm</b>										
H01MA5; H022M5; H024M5	<b>17 0000 3220</b>	WTD 10-4	15	10	-	14	M8x20	5	30	4
H027M5; H037M5	<b>17 0000 5760</b>	WTD 11-1	16,5	11	-	16	M8x20	6,5	30	4
<b>ab Ø 165mm / from Ø 165mm</b>										
H01MA6; H01MA6S	<b>17 0000 4600</b>	WTD 12-2	22	12	-	20	M10x25	7	50	4
H3KB6	<b>17 0000 3230</b>	WTD 12-3	18,5	12	-	20	M10x25	7,5	50	4
	<b>17 0000 3280</b>	WTS 12-2	18,5	12	-	-	M10x25	7,5	50	1
H3KS6	<b>17 0000 4600</b>	WTD 12-2	22	12	-	20	M10x25	7	50	4
H3KT6	<b>17 0000 3230</b>	WTD 12-3	18,5	12	-	20	M10x25	7,5	50	4
	<b>17 0000 3280</b>	WTS 12-2	18,5	12	-	-	M10x25	7,5	50	1
H05M6; H07MA6; H010D6; H012D6; H015M6; H022M6; H024D6; H024M6; H027M6	<b>17 0000 4600</b>	WTD 12-2	22	12	-	20	M10x25	7	50	4
H032M6	<b>17 0000 5760</b>	WTD 11-1	16,5	11	-	16	M8x20	6,5	30	4
H034M6; H037D6; H037M6; H047M6	<b>17 0000 4600</b>	WTD 12-2	22	12	-	20	M10x25	7	50	4
<b>ab Ø 210mm / from Ø 210mm</b>										
H01MA8; H01MA8S; H02M8	<b>17 0000 4610</b>	WTD 14-2	24,5	14	-	25	M12x35	8,5	70	4
	<b>17 0000 8670</b>	WTS 14-3	24,5	14	-	-	M12x35	8,5	70	1
H3KB8	<b>17 0000 3240</b>	WTD 14-3	20,5	14	-	25	M12x30	8,5	70	4
	<b>17 0000 3290</b>	WTS 14-4	20,5	14	-	-	M12x30	8,5	70	1
H3KS8	<b>17 0000 4610</b>	WTD 14-2	24,5	14	-	25	M12x35	8,5	70	4
	<b>17 0000 8670</b>	WTS 14-3	24,5	14	-	-	M12x35	8,5	70	1
H3KT8	<b>17 0000 3240</b>	WTD 14-3	20,5	14	-	25	M12x30	8,5	70	4
	<b>17 0000 3290</b>	WTS 14-4	20,5	14	-	-	M12x30	8,5	70	1
H05M8	<b>17 0000 5750</b>	WTS 16-5	26,5	16	-	-	M12x35	8,5	70	1
H07MA8; H010D8	<b>17 0000 4610</b>	WTD 14-2	24,5	14	-	25	M12x35	8,5	70	4
	<b>17 0000 8670</b>	WTS 14-3	24,5	14	-	-	M12x35	8,5	70	1
H012D8	<b>17 0000 5750</b>	WTS 16-5	26,5	16	-	-	M12x35	8,5	70	1
H015M8	<b>17 0000 4610</b>	WTD 14-2	24,5	14	-	25	M12x35	8,5	70	4
	<b>17 0000 8670</b>	WTS 14-3	24,5	14	-	-	M12x35	8,5	70	1
H022M8	<b>17 0000 5750</b>	WTS 16-5	26,5	16	-	-	M12x35	8,5	70	1
H023M8	<b>17 0000 4600</b>	WTD 12-2	22	12	-	20	M10x25	7	50	4
H024D8; H024M8; H027M8	<b>17 0000 5750</b>	WTS 16-5	26,5	16	-	-	M12x35	8,5	70	1
H032M8	<b>17 0000 4600</b>	WTD 12-2	22	12	-	20	M10x25	7	50	4
H034M8; H037D8; H037M8; H047M8	<b>17 0000 5750</b>	WTS 16-5	26,5	16	-	-	M12x35	8,5	70	1
<b>ab Ø 254mm / from Ø 254mm</b>										
H01MA10; H01MA10S; H02M10	<b>17 0000 5720</b>	WTD 16-6	23,5	16	-	30	M12x30	8,5	70	4
H3KB10	<b>17 0000 3250</b>	WTD 16-2	21,5	16	-	30	M12x30	8,5	70	4
	<b>17 0000 3300</b>	WTS 16-2	21,5	16	-	-	M12x30	8,5	70	1

# T-Nutensteine

## T-Nuts

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	Max.Anzugsmoment Nm Max. tightening torque Nm		Ausführung Version
								G		
H3KS10	<b>17 0000 4620</b>	WTD 16-1	24,5	16	-	30	M12x35	8,5	70	4
	<b>17 0000 8690</b>	WTS 16-1	24,5	16	-	-	M12x35	8,5	70	1
H3KT10	<b>17 0000 3250</b>	WTD 16-2	21,5	16	-	30	M12x30	8,5	70	4
	<b>17 0000 3300</b>	WTS 16-2	21,5	16	-	-	M12x30	8,5	70	1
H05M10	<b>17 0000 5730</b>	WTD 18-2	27,5	18	-	30	M14x35	9,5	130	4
H07MA10	<b>17 0000 5750</b>	WTS 16-5	26,5	16	-	-	M12x35	8,5	70	1
H012D10	<b>17 0000 5730</b>	WTD 18-2	27,5	18	-	30	M14x35	9,5	130	4
H015M10	<b>17 0000 5750</b>	WTS 16-5	26,5	16	-	-	M12x35	8,5	70	1
H022M10	<b>17 0000 5730</b>	WTD 18-2	27,5	18	-	30	M14x35	9,5	130	4
H023M10	<b>17 0000 5750</b>	WTS 16-5	26,5	16	-	-	M12x35	8,5	70	1
H024M10; H027M10	<b>17 0000 5730</b>	WTD 18-2	27,5	18	-	30	M14x35	9,5	130	4
H032M10	<b>17 0000 5750</b>	WTS 16-5	26,5	16	-	-	M12x35	8,5	70	1
H034M10; H037M10; H047M10	<b>17 0000 5730</b>	WTD 18-2	27,5	18	-	30	M14x35	9,5	130	4
<b>ab Ø 304mm / from Ø 304mm</b>										
H01MA12; H01MA12S; H02M12	<b>17 0000 4630</b>	WTD 18-1	33,5	18	-	30	M14x45	13,5	130	4
	<b>17 0000 4570</b>	WTS 18-1	33,5	18	-	-	M14x45	13,5	130	1
H3KB12	<b>17 0000 3260</b>	WTD 21-3	28	21	-	30	M16x40	11,5	150	4
	<b>17 0000 3310</b>	WTS 21-4	28	21	-	-	M16x40	11,5	150	1
H3KS12	<b>17 0000 4630</b>	WTD 18-1	33,5	18	-	30	M14x45	13,5	130	4
	<b>17 0000 4570</b>	WTS 18-1	33,5	18	-	-	M14x45	13,5	130	1
H3KT12	<b>17 0000 3260</b>	WTD 21-3	28	21	-	30	M16x40	11,5	150	4
	<b>17 0000 3310</b>	WTS 21-4	28	21	-	-	M16x40	11,5	150	1
H05M12	<b>17 0000 5740</b>	WTS 21-10	29	21	-	-	M16x40	10,5	150	1
H07MA12; H015M12	<b>17 0000 5730</b>	WTD 18-2	27,5	18	-	30	M14x35	9,5	130	4
H022M12	<b>17 0000 5740</b>	WTS 21-10	29	21	-	-	M16x40	10,5	150	1
H023M12	<b>17 0000 5730</b>	WTD 18-2	27,5	18	-	30	M14x35	9,5	130	4
H024M12; H027M12	<b>17 0000 5740</b>	WTS 21-10	29	21	-	-	M16x40	10,5	150	1
H032M12	<b>17 0000 5730</b>	WTD 18-2	27,5	18	-	30	M14x35	9,5	130	4
H034M12; H037M12; H047M12	<b>17 0000 5740</b>	WTS 21-10	29	21	-	-	M16x40	10,5	150	1
<b>ab Ø 381mm / from Ø 381mm</b>										
H01MA15	<b>17 0000 5770</b>	WTS 26-1	40	26	-	-	M20x50	17	300	1
H3KS15	<b>17 0000 3270</b>	WTD 25,5-2	39,5	25,5	-	43	M20x50	19	300	4
	<b>17 0000 3320</b>	WTS 25,5-7	39,5	25,5	-	-	M20x50	19	300	1
	<b>17 0000 8820</b>	WTD 22-2	39,5	22	25,5	43	M20x50	19	300	6
H023M15	<b>17 0000 5740</b>	WTS 21-10	29	21	-	-	M16x40	10,5	150	1
H027M15; H034M15; H037M15; H047M15	<b>17 0000 5770</b>	WTS 26-1	40	26	-	-	M20x50	17	300	1
<b>ab Ø 450mm / from Ø 450mm</b>										
H01MA18	<b>17 0000 5770</b>	WTS 26-1	40	26	-	-	M20x50	17	300	1
<b>ab Ø 530mm / from Ø 530mm</b>										
H01MA21	<b>17 0000 5770</b>	WTS 26-1	40	26	-	-	M20x50	17	300	1
<b>ab Ø 610mm / from Ø 610mm</b>										
H01MA24	<b>17 0000 5770</b>	WTS 26-1	40	26	-	-	M20x50	17	300	1

# KITAGAWA

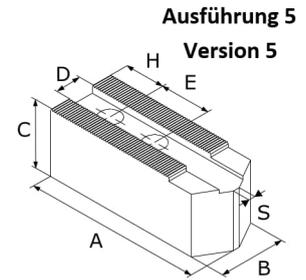
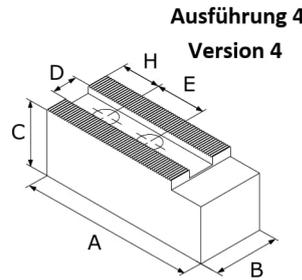
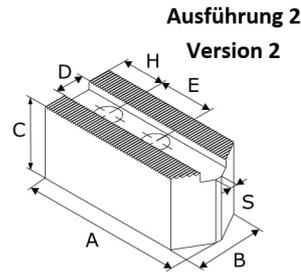
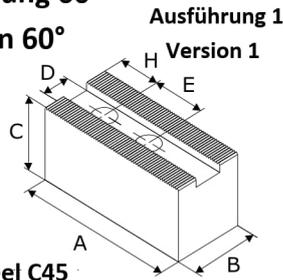
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# Weiche Aufsatzbacken

## Soft top jaws

Verzahnung 60°

Serration 60°



Stahl/Steel C45

Futtertyp/Chuck type Verzahnung 1.5mm x 60° / Serration 1.5mm x 60°	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
B-04; HOB-4	<b>17 0000 3870</b>	MTS-M 110-4	48	20	40	8	15	M6	8	4	2
AS04; AS110; B-204; B-205; HJ-4; N-04; NL04; NRC04	<b>17 0000 7060</b>	MTS-M 110-1	55	25	32	10	14	M8	13	4	2
	<b>17 0000 4010</b>	MTS-M 110-3	55	22	47	10	14	M8	13	4	2
B-05; HOB-5	<b>17 0001 1700</b>	MTS-M 135-1	57	25	32	10	18	M8	10	4	2
	<b>17 0000 4020</b>	MTS-M 135-2	55	22	47	10	18	M8	10	4	2
HJ-5; N-05	<b>17 0001 1720</b>	MTS-M 135-3	55	22	47	10	19	M8	10	4	2
AT04 <sup>3)</sup> ; BT204 <sup>3)</sup> ; BT205 <sup>3)</sup> ; NT04 <sup>3)</sup>	<b>17 0000 7240</b>	2MKS-M 110-1	55	25	50	10	14	M8	13	-	1
NT05 <sup>3)</sup>	<b>17 0000 7250</b>	2MKS-M 135-1	62	25	50	10	19	M8	10	-	1
AS06; AS165; B-06; B-07; B106; B160; B-206; BB06; BB206; BL206; BS306; DL06; DL206; DLN06; HJA5-6; HO-6; HOB-6; HOH-06K; HOH-106; HOH-160; HOH-206; HOS-6; ML06; N-06; N160; NL06; NRC06; QJR07	<b>17 0000 7810</b>	MKS-M 165-1	72	32	32	12	20	M10	15	-	1
	<b>17 0001 1630</b>	MKS-M 165-2	72	35	60	12	20	M10	15	-	1
	<b>17 0000 0840</b>	MTS-M 165-3	75	30	30	12	20	M10	15	13	2
	<b>17 0000 0850</b>	MTS-M 165-4	81	30	30	12	20	M10	15	13	2
	<b>17 0000 7820</b>	MTS-M 165-1	82	32	32	12	20	M10	15	4	5
<b>17 0001 1760</b>	MTS-M 165-2	82	35	60	12	20	M10	15	4	5	
AT06 <sup>3)</sup> ; BBT206 <sup>3)</sup> ; BLT206 <sup>3)</sup> ; BT06 <sup>3)</sup> ; BT206 <sup>3)</sup> ; HOBT-6 <sup>3)</sup> ; MLT06 <sup>3)</sup> ; NLT06 <sup>3)</sup> ; NT06 <sup>3)</sup>	<b>17 0000 7260</b>	2MKS-M 165-1	72	35	60	12	20	M10	15	-	1
AS08; AS210; B-08; B108; B200; B-208; BB08; BB208; BL208; BS308; DL08; DL208; DLN08; HJA6-8; HO-8; HOB-8; HOH-08K; HOH-108; HOH-200; HOH-208; HOS-8; ML08; N-08; N200; NL08; NRC08; QJR08; UVE160K	<b>17 0000 0860</b>	MTS-M 210-4	95	35	35	14	25	M12	20	15	2
	<b>17 0000 7830</b>	MKS-M 210-1	95	35	40	14	25	M12	24	-	1
	<b>17 0001 1640</b>	MKS-M 210-2	95	35	60	14	25	M12	24	-	1
	<b>17 0001 1650</b>	MKS-M 210-3	95	40	80	14	25	M12	24	-	1
	<b>17 0000 4750</b>	MKS-M 210-4	95	40	100	14	25	M12	24	-	1
	<b>17 0000 7840</b>	MTS-M 210-1	102	35	40	14	25	M12	20	4	5
	<b>17 0000 0880</b>	MTS-M 210-5	102	35	40	14	25	M12	20	15	2
	<b>17 0000 4760</b>	MTS-M 210-2	102	40	80	14	25	M12	20	4	5
	<b>17 0000 4770</b>	MTS-M 210-3	102	40	100	14	25	M12	20	4	5
AT08 <sup>3)</sup> ; BBT208 <sup>3)</sup> ; BLT208 <sup>3)</sup> ; BT08 <sup>3)</sup> ; BT208 <sup>3)</sup> ; HOBT-8 <sup>3)</sup> ; MLT08 <sup>3)</sup> ; NLT08 <sup>3)</sup> ; NT08 <sup>3)</sup>	<b>17 0000 7270</b>	2MKS-M 210-1	95	40	60	14	25	M12	24	-	1
AS10; AS250; B-10; B110; B-210; B250; BB10; BB210; BL210; BS310; HJA6-10; HJA8-10; HO-10; HOB-10; HOH-10K; HOH-110; HOH-210; HOH-250; HOS-10; N-10; N250; NL10; NRC10; QJR10; UVE200K; UVE250K	<b>17 0000 7080</b>	MKS-M 250-6	90	40	60	16	30	M12	15	-	1
	<b>17 0000 7090</b>	MKS-M 250-7	90	50	80	16	30	M12	15	-	1
	<b>17 0000 0890</b>	MTS-M 250-4	110	40	40	16	30	M12	20	17	2
	<b>17 0000 7850</b>	MKS-M 250-1	110	40	42	16	30	M12	30	-	1
	<b>17 0000 7860</b>	MKS-M 250-2	110	40	60	16	30	M12	30	-	1
	<b>17 0000 1200</b>	MTS-M 250-5	110	40	60	16	30	M12	20	17	2
	<b>17 0001 1660</b>	MKS-M 250-3	110	40	80	16	30	M12	30	-	1
	<b>17 0001 1670</b>	MKS-M 250-4	120	40	100	16	30	M12	30	-	1
	<b>17 0000 1230</b>	MKS-M 250-5	120	40	120	16	30	M12	30	-	1
	<b>17 0000 7100</b>	MKS-M 250-8	120	50	50	16	30	M12	30	-	1
	<b>17 0001 1600</b>	MTS-M 250-1	125	40	42	16	30	M12	30	4	5
	<b>17 0001 1710</b>	MTS-M 250-2	125	40	60	16	30	M12	30	4	5
	<b>17 0000 7070</b>	MTS-M 250-3	125	40	100	16	30	M12	30	4	5

# Weiche Aufsatzbacken

Verzahnung 60°

## Soft top jaws

Serration 60°

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
AT10 <sup>3)</sup> ; BBT210 <sup>3)</sup> ; BLT210 <sup>3)</sup> ; BT10 <sup>3)</sup> ; BT210 <sup>3)</sup> ; HOBT-10 <sup>3)</sup> ; NLT10 <sup>3)</sup> ; NT10 <sup>3)</sup>	<b>17 0000 7280</b>	2MKS-M 250-1	110	40	80	16	30	M12	30	-	1
B-12; B300; DL10; DL12; DL210; DL212; HJA6-12; HJA8-12; HLA6-12; HLA6-15; HLA8-15; HO-12; HOB-12; HOH-12K; HOH-300; HOS-12; N-12; N300; NL12; UVE315K	<b>17 0000 7110</b>	MKS-M 300-1	130	50	50	18	30	M14	40	-	1
	<b>17 0000 7120</b>	MKS-M 300-2	130	50	80	18	30	M14	40	-	1
	<b>17 0000 7130</b>	MKS-M 300-3	130	50	120	18	30	M14	40	-	1
	<b>17 0000 7140</b>	MTS-M 300-3	145	50	50	18	30	M14	30	10	5
	<b>17 0000 7150</b>	MTS-M 300-4	145	50	100	18	30	M14	30	10	5
BT12 <sup>3)</sup> ; HOBT-12 <sup>3)</sup> ; NLT12 <sup>3)</sup> ; NT12 <sup>3)</sup>	<b>17 0000 7290</b>	2MKS-M 300-1	130	50	50	18	30	M14	40	-	1
B112; B-212; BB212; BL212; HOH-112; HOH-212; QJR12	<b>17 0001 1610</b>	MKS-M 300-4	129	50	60	21	30	M16	39	-	1
	<b>17 0001 1680</b>	MKS-M 300-5	129	50	80	21	30	M16	39	-	1
	<b>17 0000 1250</b>	MKS-M 300-6	129	50	100	21	30	M16	25	-	1
	<b>17 0000 1260</b>	MKS-M 300-7	129	50	120	21	30	M16	25	-	1
	<b>17 0000 7160</b>	MKS-M 300-9	140	50	100	21	30	M16	30	-	1
	<b>17 0001 1620</b>	MTS-M 300-5	145	50	50	21	30	M16	30	10	5
<b>17 0000 7170</b>	MTS-M 300-6	145	50	100	21	30	M16	30	10	5	
BBT212 <sup>3)</sup> ; BLT212 <sup>3)</sup> ; BT212 <sup>3)</sup>	<b>17 0000 7300</b>	2MKS-M 300-2	110	50	60	21	30	M16	21	-	1
B-15; B-18; B380; B450; HJA8-15 <sup>7)</sup> ; HJA8-18 <sup>7)</sup> ; HJA8-21 <sup>7)</sup> ; HJA11-15 <sup>7)</sup> ; HLA8-18 <sup>7)</sup> ; HLA8-21 <sup>7)</sup> ; HO-15; HOB-15; HOB-18; HOH-15K; HOS-15; UPR450	<b>17 0000 3060</b>	MKS-M 380-1	165	60	60	22	43	M20	37	-	1
	<b>17 0000 4100</b>	MKS-M 380-2	165	60	80	22	43	M20	37	-	1
	<b>17 0000 4120</b>	MKS-M 380-3	165	60	120	22	43	M20	37	-	1
	<b>17 0000 7180</b>	MTS-M 380-1	185	60	60	22	43	M20	30	10	5
BT15 <sup>3)</sup> ; HOBT-15 <sup>3)</sup>	<b>17 0000 8840</b>	2MKS-M 380-1	165	60	60	22	43	M20	37	-	1
B-215; BB218; BB221; N-15; N-18; NL18; NV15; NV18	<b>17 0000 3050</b>	MKS-M 380-5	135	60	60	25,5	43	M20	26	-	1
	<b>17 0000 4070</b>	MKS-M 380-6	135	60	80	25,5	43	M20	26	-	1
	<b>17 0000 4090</b>	MKS-M 380-7	135	60	120	25,5	43	M20	26	-	1
	<b>17 0000 3070</b>	MKS-M 380-8	165	60	60	25,5	43	M20	37	-	1
	<b>17 0000 4140</b>	MKS-M 380-9	165	60	80	25,5	43	M20	37	-	1
	<b>17 0000 4160</b>	MKS-M 380-10	165	60	120	25,5	43	M20	37	-	1
<b>Verzahnung 3mm x 60° / Serration 3mm x 60°</b>											
HJ-15; HJ380; UVE400K	<b>17 0000 7200</b>	MKS-M 380-4	156	60	80	22	60	M20	36	-	1
B-21; B-24; HJ-18; HJ-21; HJ-24 <sup>7)</sup> ; HJA11-18; HJA11-21; HJA11-24 <sup>7)</sup> ; HJA15-24 <sup>7)</sup> ; HO-18; HOB-21; HOB-24; N-21; N-24; NV21; NV24; NV28; NV32; NV36; NV40; UVE500AR; UVE550AR; UVE630AR; UVE750AR <sup>7)</sup> ; UVE500K; UVE630K; UVE800K <sup>7)</sup> ; UVE500L; UVE630L; UVE500LB; UVE630LB; UVE800LB <sup>7)</sup>	<b>17 0000 7210</b>	MKS-M 530-2	180	75	115	25	60	M20	50	-	1
	<b>17 0000 7220</b>	MKS-M 530-3	180	75	155	25	60	M20	50	-	1
	<b>17 0000 7190</b>	MKS-M 530-4	195	80	80	25	60	M20	50	-	1
	<b>17 0000 3910</b>	MKS-M 530-5	200	70	70	25	60	M20	40	-	1
	<b>17 0000 3920</b>	MKS-M 530-6	250	70	70	25	60	M20	40	-	4

3) Uchwyt 2-szczękowy

3) 2-jaw chuck

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

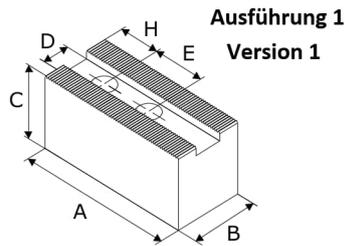
# Weiche Aufsatzbacken

## Soft top jaws

Verzahnung 60°

Serration 60°

Aluminium / Aluminum



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
Verzahnung 1.5mm x 60° / Serration 1.5mm x 60°											
AS06; AS165; B-06; B-07; B106; B160; B-206; BB06; BB206; BL206; BS306; DL06; DL206; DLN06; HJA5-6; HO-6; HOB-6; HOH-06K; HOH-106; HOH-160; HOH-206; HOS-6; ML06; N-06; N160; NL06; NRC06; QJR07	<b>17 0000 7310</b>	MKA-M 165-1	72	35	50	12	20	M10	15	-	1
AS08; AS210; B-08; B108; B200; B-208; BB08; BB208; BL208; BS308; DL08; DL208; DLN08; HJA6-8; HO-8; HOB-8; HOH-08K; HOH-108; HOH-200; HOH-208; HOS-8; ML08; N-08; N200; NL08; NRC08; QJR08; UVE160K	<b>17 0000 7320</b>	MKA-M 210-1	90	40	60	14	25	M12	20	-	1
AS10; AS250; B-10; B110; B-210; B250; BB10; BB210; BL210; BS310; HJA6-10; HJA8-10; HO-10; HOB-10; HOH-10K; HOH-110; HOH-250; HOS-10; N-10; N250; NL10; NRC10; QJR10; UVE200K; UVE250K	<b>17 0000 7330</b>	MKA-M 250-1	110	40	60	16	30	M12	25	-	1
B-12; B300; DL10; DL12; DL210; DL212; HJA6-12; HJA8-12; HLA6-12; HLA6-15; HLA8-15; HO-12; HOB-12; HOH-12K; HOH-300; HOS-12; N-12; N300; NL12; UVE315K	<b>17 0000 7340</b>	MKA-M 300-1	130	50	80	18	30	M14	40	-	1
B112; B-212; BB212; BL212; HOH-112; HOH-212; QJR12	<b>17 0000 7350</b>	MKA-M 300-2	130	50	80	21	30	M16	40	-	1
B-15; B-18; B-215 <sup>6)</sup> ; B380; B450; BB218 <sup>6)</sup> ; BB221 <sup>6)</sup> ; HJA8-15 <sup>7)</sup> ; HJA8-18 <sup>7)</sup> ; HJA8-21 <sup>7)</sup> ; HJA11-15 <sup>7)</sup> ; HLA8-18 <sup>7)</sup> ; HLA8-21 <sup>7)</sup> ; HO-15; HOB-15; HOB-18; HOH-15K; HOS-15; N-15 <sup>6)</sup> ; N-18 <sup>6)</sup> ; NL18 <sup>6)</sup> ; NV15 <sup>6)</sup> ; NV18 <sup>6)</sup> ; UPR450	<b>17 0000 7360</b>	MKA-M 380-2	145	60	80	22	43	M20	40	-	1

6) Bitte überprüfen Sie die Nutbreite.

Bei Bedarf bitte abgestufte Nutensteine verwenden

7) Bitte überprüfen Sie die Anschlussmaße

6) Please check the slot width.

If necessary please use stepped T-nuts

7) Please check the connecting dimensions

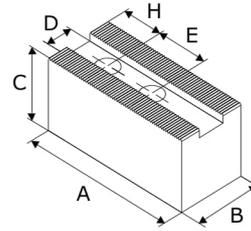
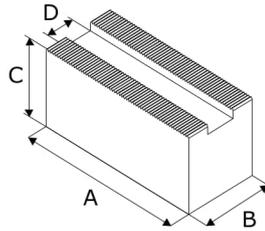
# Weiche Aufsatzbacken gebohrt oder ungebohrt

Soft jaw blanks, without or with bolt holes

Verzahnung 60°

Serration 60°

Stahl / Steel C45



**Ungebohrt**

Without bolt holes

**Geböhrt**

With bolt holes

**Futtertyp / Chuck type**

Verzahnung 1,5mm x60° / Serration 1,5mm x60°

	Index / Id.-No	Typ/Type	Index / Id.-No	Typ/Type	A	B	C	D
AS04; AS110; AT04 <sup>3)</sup> ; B-05; B-204; B-205; BT204 <sup>3)</sup> ; BT205 <sup>3)</sup> ; HJ-4; HJ-5; HOB-5; N-04; N-05; NL04; NRC04; NT04 <sup>3)</sup> ; NT05 <sup>3)</sup>	<b>17 0000 6540</b>	MBS-M 110-1	<b>17 0000 6541</b>	MWS-M 110-1	55	25	50	10
AS06; AS165; AT06 <sup>3)</sup> ; B-06; B-07; B-206; B106; B160; BB06; BB206; BBT206 <sup>3)</sup> ; BL206; BLT206 <sup>3)</sup> ; BT06 <sup>3)</sup> ; BS306; BT206 <sup>3)</sup> ; DL06; DL206; DLN06; HJA5-6; HO-6; HOB-6; HOBT-6 <sup>3)</sup> ; HOH-06K; HOH-106; HOH-160; HOH-206; HOS-6; HW-08 <sup>8)</sup> ; ML06; MLT06 <sup>3)</sup> ; N-06; N160; NL06; NLT06 <sup>3)</sup> ; NRC06; NT06 <sup>3)</sup> ; QJR07	<b>17 0000 6550</b>	MBS-M 165-1	<b>17 0000 6551</b>	MWS-M 165-1	81	30	60	12
AS08; AS210; AT08 <sup>3)</sup> ; B-08; B108; B200; B-208; BB08; BB208; BBT208 <sup>3)</sup> ; BL208; BLT208 <sup>3)</sup> ; BS308; BT08 <sup>3)</sup> ; BT208 <sup>3)</sup> ; DL08; DL208; DLN08; HJA6-8; HO-8; HOB-8; HOBT-8 <sup>3)</sup> ; HOH-08K; HOH-108; HOH-200; HOH-208; HOS-8; MLO8; MLT08 <sup>3)</sup> ; N-08; N200; NL08; NLT08 <sup>3)</sup> ; NRC08; NT08 <sup>3)</sup> ; QJR08; UVE160K	<b>17 0000 5000</b>	MBS-M 210-1	<b>17 0000 5001</b>	MWS-M 210-1	95	35	35	14
	<b>17 0000 5010</b>	MBS-M 210-2	<b>17 0000 5011</b>	MWS-M 210-2	95	40	60	14
	<b>17 0000 5020</b>	MBS-M 210-3	<b>17 0000 5021</b>	MWS-M 210-3	95	40	80	14
	<b>17 0000 5030</b>	MBS-M 210-4	<b>17 0000 5031</b>	MWS-M 210-4	95	40	100	14
	<b>17 0000 5040</b>	MBS-M 210-5	<b>17 0000 5041</b>	MWS-M 210-5	102	40	80	14
	<b>17 0000 5050</b>	MBS-M 210-6	<b>17 0000 5051</b>	MWS-M 210-6	102	40	100	14
AS10; AS250; AT10 <sup>3)</sup> ; B-10; B110; B-210; B250; BB10; BB210; BBT210 <sup>3)</sup> ; BL210; BLT210 <sup>3)</sup> ; BS310; BT10 <sup>3)</sup> ; BT210 <sup>3)</sup> ; HJA6-10; HJA8-10; HO-10; HOB-10; HOBT-10 <sup>3)</sup> ; HOH-10K; HOH-110; HOH-250; HOS-10; HW-10 <sup>8)</sup> ; HW-12 <sup>8)</sup> ; N-10; N250; NL10; NLT10 <sup>3)</sup> ; NRC10; NT10 <sup>3)</sup> ; QJR10; UVE200K; UVE250K	<b>17 0000 5060</b>	MBS-M 250-1	<b>17 0000 5061</b>	MWS-M 250-1	110	40	40	16
	<b>17 0000 5070</b>	MBS-M 250-2	<b>17 0000 5071</b>	MWS-M 250-2	110	40	60	16
	<b>17 0000 5080</b>	MBS-M 250-3	<b>17 0000 5081</b>	MWS-M 250-3	110	40	80	16
	<b>17 0000 5090</b>	MBS-M 250-4	<b>17 0000 5091</b>	MWS-M 250-4	110	40	100	16
	<b>17 0000 5100</b>	MBS-M 250-5	<b>17 0000 5101</b>	MWS-M 250-5	129	40	60	16
B112; B-212; BB212; BBT212 <sup>3)</sup> ; BL212; BLT212 <sup>3)</sup> ; BT212 <sup>3)</sup> ; HOH-112; HOH-212; QJR12	<b>17 0000 5110</b>	MBS-M 300-1	<b>17 0000 5111</b>	MWS-M 300-1	129	50	80	21
	<b>17 0000 5120</b>	MBS-M 300-2	<b>17 0000 5121</b>	MWS-M 300-2	129	50	100	21
	<b>17 0000 5130</b>	MBS-M 300-3	<b>17 0000 5131</b>	MWS-M 300-3	129	50	120	21

3) Zweibackenfutter

3) 2-jaw chuck

8) 4-Backenfutter

8) 4-jaw chuck

Für gebohrte Backenrohlinge geben Sie bitte die Maße H und E an

For jaws with bolt holes please indicate H and E dimensions

Nutbreite 10 mm

Bohrung für M8

Mindestwert:

H = 8 mm, E = 14 mm

Nutbreite 12 mm

Bohrung für M10

Mindestwert:

H = 12 mm, E = 16 mm

Slot width 10 mm

bored for M8

Minimum values:

H = 8 mm, E = 14 mm

Slot width 12 mm

bored for M10

Minimum values:

H = 12 mm, E = 16 mm

Nutbreite 14 mm

Bohrung für M12

Mindestwert:

H = 12 mm, E = 19 mm

Nutbreite 16 mm

Bohrung für M12

Mindestwert:

H = 12 mm, E = 19 mm

Slot width 14 mm

bored for M12

Minimum values:

H = 12 mm, E = 19 mm

Slot width 16 mm

bored for M12

Minimum values:

H = 12 mm, E = 19 mm

Nutbreite 21 mm

Bohrung für M16

Mindestwert:

H = 15 mm, E = 25 mm

Slot width 21 mm

bored for M16

Minimum values:

H = 15 mm, E = 25 mm

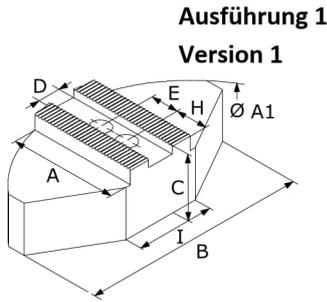
# Segmentbacken

Soft full grip jaws

Verzahnung 60°

Serration 60°

Stahl / Steel C45



Futtertyp / Chuck type	Index / Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	I	A1	Ausführung Version
AS06; AS165; B-06; B-07; B106; B160; B-206; BB06; BB206; BL206; BS306; DL06; DL206; DLN06; HJA5-6; HO-6; HOB-6; HOH-06K; HOH-106; HOH-160; HOH-206; HOS-6; ML06; N-06; N160; NL06; NRC06; QJR07	<b>17 0000 1380</b>	GPS-M 165-1	60	120	50	12	20	M10	25	50	160	1
AS08; AS210; B-08; B108; B200; B-208; BB08; BB208; BL208; BS308; DL08; DL208; DLN08; HJA6-8; HO-8; HOB-8; HOH-08K; HOH-108; HOH-200; HOH-208; HOS-8; ML08; N-08; N200; NL08; NRC08; QJR08; UVE160K	<b>17 0000 1390</b>	GPS-M 210-1	70	140	60	14	25	M12	30	70	200	1
	<b>17 0000 6610</b>	GPS-M 210-2	70	140	80	14	25	M12	30	70	200	1
AS10; AS250; B-10; B110; B-210; B250; BB10; BB210; BL210; BS310; HJA6-10; HJA8-10; HO-10; HOB-10; HOH-10K; HOH-110; HOH-250; HOS-10; N-10; N250; NL10; NRC10; QJR10; UVE200K; UVE250K	<b>17 0000 1400</b>	GPS-M 250-1	80	180	60	16	30	M12	30	100	250	1
	<b>17 0000 6620</b>	GPS-M 250-2	80	180	80	16	30	M12	30	100	250	1
B-12; B300; DL10; DL12; DL210; DL212; HJA6-12; HJA8-12; HLA6-12; HLA6-15; HLA8-15; HO-12; HOB-12; HOH-12K; HOH-300; HOS-12; N-12; N300; NL12; UVE315K	<b>17 0000 4220</b>	GPS-M 300-1	110	240	70	18	30	M14	40	120	300	1
B112; B-212; BB212; BL212; HOH-112; HOH-212; QJR12	<b>17 0000 1410</b>	GPS-M 300-2	110	240	70	21	30	M16	45	120	300	1

# Segmentbacken

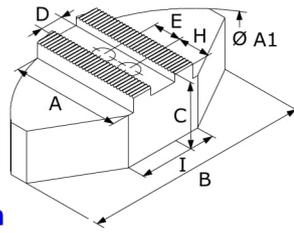
Soft full grip jaws

Verzahnung 60°

Serration 60°

Ausführung 1

Version 1



Aluminium / Aluminum

Futtertyp / Chuck type	Index / Id.-No	Typ/Type	A	B	C	D	E	Schrauben / Screws	H	I	A1	Ausführung / Version
AS06; AS165; B-06; B-07; B106; B160; B-206; BB06; BB206; BL206; BS306; DL06; DL206; DLN06; HJA5-6; HO-6; HOB-6; HOH-06K; HOH-106; HOH-160; HOH-206; HOS-6; ML06; N-06; N160; NL06; NRC06; QJR07	<b>17 0000 6370</b>	GPA-M 165-1	59,5	120	58	12	20	M10	25	40	165	1
AS08; AS210; B-08; B108; B200; B-208; BB08; BB208; BL208; BS308; DL08; DL208; DLN08; HJA6-8; HO-8; HOB-8; HOH-08K; HOH-108; HOH-200; HOH-208; HOS-8; ML08; N-08; N200; NL08; NRC08; QJR08; UVE160K	<b>17 0000 6380</b>	GPA-M 210-1	72,5	140	58	14	25	M12	35	50	200	1
	<b>17 0000 6390</b>	GPA-M 210-2	72,5	140	80	14	25	M12	35	50	200	1
AS10; AS250; B-10; B110; B-210; B250; BB10; BB210; BL210; BS310; HJA6-10; HJA8-10; HO-10; HOB-10; HOH-10K; HOH-110; HOH-250; HOS-10; N-10; N250; NL10; NRC10; QJR10; UVE200K; UVE250K	<b>17 0000 6400</b>	GPA-M 250-1	87,5	180	58	16	30	M12	40	70	250	1
	<b>17 0000 6410</b>	GPA-M 250-2	87,5	180	80	16	30	M12	40	70	250	1
B-12; B300; DL10; DL12; DL210; DL212; HJA6-12; HJA8-12; HLA6-12; HLA6-15; HLA8-15; HO-12; HOB-12; HOH-12K; HOH-300; HOS-12; N-12; N300; NL12; UVE315K	<b>17 0000 6420</b>	GPA-M 300-1	117	240	78	18	30	M14	40	80	320	1
B112; B-212; BB212; BL212; HOH-112; HOH-212; QJR12	<b>17 0000 6430</b>	GPA-M 300-2	117	240	78	21	30	M16	45	80	320	1

# Harte Aufsatzbacken

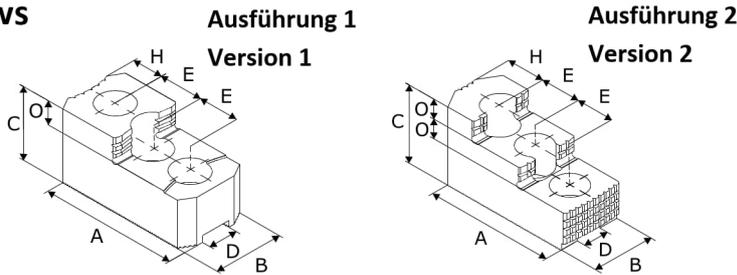
## Hard stepped top jaws

Verzahnung 60°

Serration 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



### Futtertyp / Chuck type

Index / Id.-No

Typ/Type

A

B

C

D

E

Schrauben  
Screws

H

O

Ausführung  
Version

Verzahnung 1,5mm x 60° / Serration 1,5mm x 60°

AS04; AS110; B-204; B-205; HJ-4; N-04; NL04; NRC04	<b>17 0000 4260</b>	SGT-M 110-1	53	23	28	10	14	M8	14	10	1
AT04 <sup>3)</sup> ; BT204 <sup>3)</sup> ; BT205 <sup>3)</sup> ; NT04 <sup>3)</sup>	<b>17 0001 1290</b>	2SGT-M 110-1	53	23	28	10	14	M8	14	10	1
AS06; AS165; B-06; B-07; B106; B160; B-206; BB06; BB206; BL206; BS306; DL06; DL206; DLN06; HJA5-6; HO-6; HOB-6; HOH-06K; HOH-106; HOH-160; HOH-206; HOS-6; ML06; N-06; N160; NL06; NRC06; QJR07	<b>17 0000 1540</b>	SGT-M 165-1	67	31	36	12	20	M10	14	12	1
AT06 <sup>3)</sup> ; BBT206 <sup>3)</sup> ; BLT206 <sup>3)</sup> ; BT06 <sup>3)</sup> ; BT206 <sup>3)</sup> ; HOBT-6 <sup>3)</sup> ; MLT06 <sup>3)</sup> ; NLT06 <sup>3)</sup> ; NT06 <sup>3)</sup>	<b>17 0001 1300</b>	2SGT-M 165-1	67	31	36	12	20	M10	14	12	1
AS08; AS210; B-08; B108; B200; B-208; BB08; BB208; BL208; BS308; DL08; DL208; DLN08; HJA6-8; HO-8; HOB-8; HOH-08K; HOH-108; HOH-200; HOH-208; HOS-8; ML08; N-08; N200; NL08; NRC08; QJR08; UVE160K	<b>17 0000 7510</b>	SGT-M 210-1	79	32	38	14	25	M12	16	12	1
	<b>17 0000 1550</b>	SGT-M 210-2	87	35	51	14	25	M12	20,5	12	2
AT08 <sup>3)</sup> ; BBT208 <sup>3)</sup> ; BLT208 <sup>3)</sup> ; BT08 <sup>3)</sup> ; BT208 <sup>3)</sup> ; HOBT-8 <sup>3)</sup> ; MLT08 <sup>3)</sup> ; NLT08 <sup>3)</sup> ; NT08 <sup>3)</sup>	<b>17 0001 1310</b>	2SGT-M 210-1	87	35	51	14	25	M12	20,5	12	2
AS10; AS250; B-10; B110; B-210; B250; BB10; BB210; BL210; BS310; HJA6-10; HJA8-10; HO-10; HOB-10; HOH-10K; HOH-110; HOH-250; HOS-10; N-10; N250; NL10; NRC10; QJR10; UVE200K; UVE250K	<b>17 0000 1560</b>	SGT-M 250-1	101	40	54	16	30	M12	23	13	2
AT10 <sup>3)</sup> ; BBT210 <sup>3)</sup> ; BLT210 <sup>3)</sup> ; BT10 <sup>3)</sup> ; BT210 <sup>3)</sup> ; HOBT-10 <sup>3)</sup> ; NLT10 <sup>3)</sup> ; NT10 <sup>3)</sup>	<b>17 0001 1330</b>	2SGT-M 250-1	101	40	54	16	30	M12	23	13	2
B-12; B300; DL10; DL12; DL210; DL212; HJA6-12; HJA8-12; HLA6-12; HLA6-15; HLA8-15; HO-12; HOB-12; HOH-12K; HOH-300; HOS-12; N-12; N300; NL12; UVE315K	<b>17 0000 4280</b>	SGT-M 300-1	103	50	52	18	30	M14	22,5	17	1
	<b>17 0000 7520</b>	SGT-M 300-2	106	50	62	18	30	M14	20	15	2
BT12 <sup>3)</sup> ; HOBT-12 <sup>3)</sup> ; NLT12 <sup>3)</sup> ; NT12 <sup>3)</sup>	<b>17 0001 1350</b>	2SGT-M 300-1	103	50	52	18	30	M14	22,5	17	1
B112; B-212; BB212; BL212; HOH-112; HOH-212; QJR12	<b>17 0000 1570</b>	SGT-M 300-3	103	50	52	21	30	M16	22,5	17	1
	<b>17 0000 7530</b>	SGT-M 300-4	128	50	62	21	30	M16	46	14	2
BBT212 <sup>3)</sup> ; BLT212 <sup>3)</sup> ; BT212 <sup>3)</sup>	<b>17 0001 1370</b>	2SGT-M 300-2	103	50	52	21	30	M16	22,5	17	1
B-15; B-18; B380; B450; HJA8-15 <sup>7)</sup> ; HJA8-18 <sup>7)</sup> ; HJA8-21 <sup>7)</sup> ; HJA11-15 <sup>7)</sup> ; HLA8-18 <sup>7)</sup> ; HLA8-21 <sup>7)</sup> ; HO-15; HOB-15; HOB-18; HOH-15K; HOS-15; UPR450	<b>17 0000 3170</b>	SGT-M 380-1	149	62	86	22	43	M20	30,5	20	2
B-215; BB218; BB221; N-15; N-18; NL18; NV15; NV18	<b>17 0000 3160</b>	SGT-M 380-2	149	62	86	25,5	43	M20	30,5	20	2
<b>Verzahnung 3mm x 60° / Serration 3mm x 60°</b>											
B-21; B-24; HJ-18; HJ-21; HJ-24 <sup>7)</sup> ; HJA11-18; HJA11-21; HJA11-24 <sup>7)</sup> ; HJA15-24 <sup>7)</sup> ; HO-18; HOB-21; HOB-24; N-21; N-24; NV21; NV24; NV28; NV32; NV36; NV40; UVE500AR; UVE550AR; UVE630AR; UVE750AR <sup>7)</sup> ; UVE500K; UVE630K; UVE800K <sup>7)</sup> ; UVE500L; UVE630L; UVE500LB; UVE630LB; UVE800LB <sup>7)</sup>	<b>17 0000 4300</b>	SGT-M 530-1	159,5	80	90	25	50	M20	33	40	1

3) Zweibackenfutter

7) Bitte überprüfen Sie die Anschlussmaße

3) 2-jaw chuck

7) Please check the connecting dimensions

# Harte Spannbacken-Stangenspannung

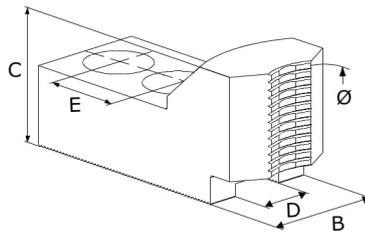
## Hard jaws for bar clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp / Chuck type ab Ø 165mm / from Ø 165mm	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ	B	C	D	E	Schrauben Screws
AS06	7 – 15	171	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	19 – 27	171	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
B-06	5 – 15	170	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 26	170	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
B-07	5 – 26	181	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 36	181	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
B-206	5 – 18	173	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 29	173	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
B106	5 – 23	179	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 34	179	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
BB06	5 – 23	179	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 34	179	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
BB206	5 – 22	178	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 33	178	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
BL206	5 – 20	176	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 31	176	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
BS306	5 – 20	176	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 31	176	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
HOH-06K	5 – 17	173	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 28	173	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
HOH-206	5 – 17	173	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 29	173	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
ML06	5 – 45	201	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 55	201	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
N-06	5 – 11	167	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 23	167	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
NL06	5 – 16	172	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 28	172	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
NRC06	7 – 15	171	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	19 – 27	171	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
QJR07	5 – 29	184	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 39	184	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
<b>ab Ø 210mm / from Ø 210mm</b>									
AS08	10 – 22	215	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	26 – 37	215	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
B-08	5 – 20	214	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 – 35	214	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
B-208	5 – 23	217	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 – 38	217	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12

**Harte Spannbacken-Stangenspannung**  
**Hard jaws for bar clamping**

**Verzahnung 1,5mm x 60°**  
**Serration 1,5mm x 60°**

Futtertyp / Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ	B	C	D	E	Schrauben Screws
B108	5 – 27	221	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 – 42	221	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
BB08	5 – 26	220	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	17 – 41	220	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
BB208	5 – 25	219	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	16 – 40	219	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
BL208	5 – 34	227	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 – 48	227	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
BS308	5 – 22	215	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 – 37	215	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
HOH-08K	5 – 21	215	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 – 36	215	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
HOH-208	5 – 23	217	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 – 38	217	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
ML08	5 – 53	246	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 – 67	246	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
N-08	5 – 23	217	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	16 – 38	217	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
NL08	5 – 24	218	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 – 39	218	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
NRC08	10 – 22	215	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	26 – 37	215	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
QJR08	5 – 43	236	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 – 57	236	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
<b>ab Ø 254mm / from Ø 254mm</b>									
AS10	9 – 24	252	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	35 – 49	252	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
B-10	5 – 25	253	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 49	253	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
B-210	5 – 30	258	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 54	258	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
B110	5 – 31	259	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 55	259	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
BB10	5 – 32	260	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 56	260	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
BB210	5 – 33	261	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	20 – 57	261	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
BL210	5 – 38	266	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 62	266	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
BS310	5 – 32	260	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 56	260	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
HJA8-10	5 – 32	260	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 56	260	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
HOH-10K	5 – 25	253	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 49	253	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
N-10	5 – 24	252	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 49	252	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12

**Harte Spannbacken-Stangenspannung**  
**Hard jaws for bar clamping**

**Verzahnung 1,5mm x 60°**  
**Serration 1,5mm x 60°**

<b>Futtertyp / Chuck type</b>	<b>Durchmesser Clamping range</b>	<b>Durchlass Swing diameter</b>	<b>Index / Id.-No</b>	<b>Typ</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>Schrauben Screws</b>
NL10	5 – 28	256	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 52	256	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
NRC10	9 – 30	258	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	35 – 55	258	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
QJR10	5 – 46	275	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 70	275	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
UVE250K	5 – 35	263	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 59	263	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
<b>ab Ø 304mm / from Ø 304mm</b>									
B-12	5 – 42	306	<b>17 0001 1940</b>	GTM-M 300-1	48	50	18	30	M14
	18 – 61	306	<b>17 0001 1950</b>	GTM-M 300-2	48	50	18	30	M14
B-212	5 – 41	307	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 61	307	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16
BB212	5 – 54	320	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 73	320	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16
BL212	5 – 53	318	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 72	318	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16
HJA8-12	5 – 45	309	<b>17 0001 1940</b>	GTM-M 300-1	48	50	18	30	M14
	18 – 64	309	<b>17 0001 1950</b>	GTM-M 300-2	48	50	18	30	M14
HOH-12K	5 – 41	306	<b>17 0001 1940</b>	GTM-M 300-1	48	50	18	30	M14
	18 – 61	306	<b>17 0001 1950</b>	GTM-M 300-2	48	50	18	30	M14
N-12	5 – 47	312	<b>17 0001 1940</b>	GTM-M 300-1	48	50	18	30	M14
	18 – 67	312	<b>17 0001 1950</b>	GTM-M 300-2	48	50	18	30	M14
NL12	5 – 45	309	<b>17 0001 1940</b>	GTM-M 300-1	48	50	18	30	M14
	18 – 64	309	<b>17 0001 1950</b>	GTM-M 300-2	48	50	18	30	M14
QJR12	5 – 81	346	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 99	346	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16
UVE315K	5 – 64	329	<b>17 0001 1940</b>	GTM-M 300-1	48	50	18	30	M14
	18 – 83	329	<b>17 0001 1950</b>	GTM-M 300-2	48	50	18	30	M14

# Krallenbacken Außenspannung

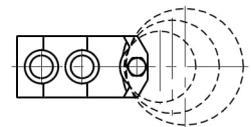
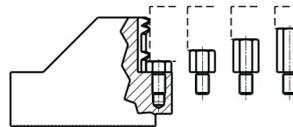
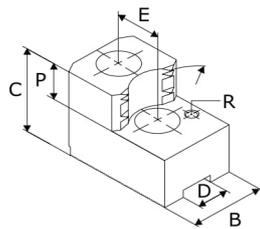
## Hard claw jaws for O.D. clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 165mm/from Ø165mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
AS06	41 - 49	173	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	56 - 64	173	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	73 - 80	174	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	86 - 94	174	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	103 - 110	172	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	128 - 136	198	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
B-06	26 - 48	172	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	36 - 63	172	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	51 - 80	173	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	65 - 93	173	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	81 - 110	171	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	107 - 136	197	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
B-07	26 - 59	183	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	39 - 75	183	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	55 - 91	184	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	69 - 105	184	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	85 - 121	183	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	111 - 147	209	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
B-206	26 - 51	175	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	41 - 67	175	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	57 - 83	176	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	71 - 97	176	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	87 - 113	175	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	113 - 139	200	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
B106	26 - 56	181	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	37 - 72	181	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	53 - 88	181	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	67 - 102	181	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	83 - 118	180	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	109 - 144	206	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
BB06	35 - 56	181	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	50 - 72	181	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	66 - 88	181	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	80 - 102	181	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	97 - 118	180	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	122 - 144	206	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6

**Krallenbacken Außenspannung**

Verzahnung 1,5mm x 60°

Hard claw jaws for O.D. clamping

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
BB206	36 – 56	180	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	51 – 71	180	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	67 – 87	181	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	81 – 101	181	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	97 – 117	179	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	123 – 143	205	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
BL206	26 – 53	178	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	41 – 69	178	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	57 – 85	178	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	71 – 99	178	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	87 – 115	177	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	113 – 141	203	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
BS306	32 – 54	178	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	47 – 69	178	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	63 – 85	179	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	77 – 99	179	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	93 – 115	177	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	118 – 141	203	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
HOH-06K	26 – 50	175	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	32 – 66	175	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	48 – 82	176	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	62 – 96	176	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	78 – 112	174	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	103 – 138	200	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
HOH-206	26 – 51	175	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	41 – 66	175	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	57 – 82	176	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	71 – 96	176	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	87 – 112	174	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	113 – 138	200	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
ML06	37 – 78	203	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	52 – 94	203	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	68 – 110	204	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	82 – 124	204	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	98 – 140	202	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	124 – 166	228	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
N-06	31 – 45	169	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	46 – 60	169	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	62 – 76	170	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	76 – 90	170	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	92 – 106	168	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	118 – 132	194	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
NL06	35 – 50	174	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	50 – 65	174	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	66 – 81	175	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	80 – 95	175	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	96 – 111	173	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	122 – 137	199	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6

# Krallenbacken Außenspannung

Hard claw jaws for O.D. clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
NRC06	41 – 49	173	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	56 – 64	173	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	73 – 80	174	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	86 – 94	174	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	103 – 110	172	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	128 – 136	198	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
QJR07	26 – 62	186	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	34 – 78	186	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	50 – 94	187	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	64 – 107	187	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	80 – 124	186	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	105 – 150	211	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
UVE160K	30 – 34	182	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	42 – 61	182	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	72 – 91	183	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	102 – 121	185	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	123 – 143	202	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	160 – 180	240	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
<b>ab Ø 210mm / from Ø 210mm</b>											
AS08	50 – 62	211	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	78 – 90	211	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	108 – 120	212	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	138 – 150	214	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	160 – 172	232	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	197 – 209	270	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
B-08	30 – 61	210	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	52 – 88	210	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	83 – 119	211	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	113 – 149	213	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	134 – 171	230	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	171 – 208	268	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
B-208	34 – 64	213	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	61 – 91	213	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	91 – 122	214	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	121 – 152	216	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	143 – 174	233	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	180 – 211	271	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
B108	30 – 68	217	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	55 – 95	217	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	85 – 126	218	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	115 – 156	220	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	137 – 178	237	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	173 – 215	275	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
BB08	43 – 67	216	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	70 – 94	216	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	100 – 125	217	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	130 – 155	219	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	152 – 177	236	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	189 – 214	274	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6

# Krallenbacken Außenspannung

Verzahnung 1,5mm x 60°

Hard claw jaws for O.D. clamping

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
BB208	41 – 66	215	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	69 – 93	215	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	99 – 124	216	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	129 – 154	218	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	151 – 176	235	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	188 – 213	273	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
BL208	39 – 74	223	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	66 – 102	223	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	96 – 132	224	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	126 – 162	226	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	148 – 184	244	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	185 – 221	282	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
BS308	38 – 62	211	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	65 – 90	211	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	96 – 120	212	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	126 – 150	214	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	147 – 172	232	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	184 – 209	270	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
HOH-08K	30 – 62	211	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	49 – 90	211	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	79 – 120	212	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	109 – 150	214	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	131 – 172	231	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	167 – 209	269	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
HOH-208	34 – 64	213	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	61 – 91	213	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	91 – 122	214	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	121 – 152	216	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	143 – 174	233	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	180 – 211	271	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
ML08	39 – 93	242	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	66 – 121	242	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	96 – 151	243	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	126 – 181	245	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	148 – 203	263	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	185 – 240	301	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
N-08	41 – 64	213	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	68 – 92	213	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	99 – 122	214	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	129 – 152	216	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	151 – 174	234	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	187 – 211	271	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
NL08	38 – 64	214	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	65 – 92	214	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	95 – 122	214	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	125 – 153	216	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	147 – 175	234	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	184 – 212	272	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6

# Krallenbacken Außenspannung

Hard claw jaws for O.D. clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
NRC08	50 - 62	211	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	78 - 90	211	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	108 - 120	212	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	138 - 150	214	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	160 - 172	232	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	197 - 209	270	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
QJR08	30 - 83	232	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	48 - 111	232	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	78 - 141	233	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	108 - 171	235	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	129 - 193	253	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	166 - 230	291	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
UVE200K	36 - 41	217	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	63 - 82	217	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	106 - 126	221	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	151 - 171	236	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	185 - 206	268	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
<b>ab Ø 254mm / from Ø 254mm</b>											
AS10	62 - 76	254	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	103 - 118	254	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	147 - 162	258	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	193 - 208	273	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	228 - 243	305	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
B-10	38 - 77	255	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	78 - 119	255	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	122 - 163	259	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	167 - 208	274	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	202 - 243	306	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
B-210	42 - 82	260	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	83 - 124	260	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	127 - 168	264	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	172 - 213	279	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	207 - 248	311	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
B110	36 - 83	261	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	77 - 125	261	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	120 - 169	265	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	165 - 215	280	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	200 - 250	312	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
BB10	40 - 84	262	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	80 - 126	262	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	124 - 170	266	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	169 - 216	281	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	204 - 251	313	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
BB210	47 - 85	263	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	89 - 127	263	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	133 - 171	267	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	178 - 216	282	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	213 - 251	313	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6

**Krallenbacken Außenspannung**

Verzahnung 1,5mm x 60°

Hard claw jaws for O.D. clamping

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
BL210	38 – 89	268	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	79 – 131	268	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	123 – 176	272	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	168 – 221	287	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	203 – 256	318	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
BS310	44 – 84	262	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	85 – 126	262	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	128 – 170	266	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	174 – 215	281	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	209 – 250	313	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
HJA8-10	36 – 84	262	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	73 – 126	262	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	116 – 170	266	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	161 – 216	281	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	196 – 251	313	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
HOH-10K	38 – 77	255	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	78 – 119	255	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	122 – 163	259	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	167 – 208	274	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	202 – 243	306	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
N-10	37 – 76	254	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	77 – 118	254	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	121 – 162	258	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	166 – 207	273	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	201 – 243	305	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
NL10	36 – 80	258	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	75 – 122	258	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	119 – 166	262	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	164 – 212	277	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	199 – 247	309	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
NRC10	62 – 82	260	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	103 – 124	260	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	147 – 168	264	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	193 – 214	279	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	228 – 249	311	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
QJR10	36 – 98	277	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	57 – 140	277	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	100 – 185	281	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	144 – 230	295	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	179 – 265	327	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
UVE250K	36 – 87	265	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	72 – 129	265	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	116 – 173	269	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	161 – 218	284	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	196 – 253	315	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6

# Krallenbacken Außenspannung

Hard claw jaws for O.D. clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Futtertyp/Chuck type ab Ø 304mm / from Ø 304mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
B-12	41 – 110	314	<b>17 0001 2170</b>	GTZ-M 300-1	50	65	18	30	M14	25	M8
	95 – 169	314	<b>17 0001 2180</b>	GTZ-M 300-2	50	65	18	30	M14	25	M8
	161 – 236	328	<b>17 0001 2190</b>	GTZ-M 300-3	50	65	18	30	M14	25	M8
	224 – 300	372	<b>17 0001 2200</b>	GTZ-M 300-4	50	65	18	30	M14	25	M8
B-212	47 – 110	315	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	107 – 170	315	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	173 – 237	328	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	237 – 301	372	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
BB212	60 – 123	327	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	120 – 183	327	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	186 – 250	341	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	250 – 314	385	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
BL212	43 – 121	326	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	103 – 181	326	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	169 – 248	340	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	233 – 312	384	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
HJA8-12	41 – 113	317	<b>17 0001 2170</b>	GTZ-M 300-1	50	65	18	30	M14	25	M8
	99 – 173	317	<b>17 0001 2180</b>	GTZ-M 300-2	50	65	18	30	M14	25	M8
	165 – 240	331	<b>17 0001 2190</b>	GTZ-M 300-3	50	65	18	30	M14	25	M8
	228 – 304	375	<b>17 0001 2200</b>	GTZ-M 300-4	50	65	18	30	M14	25	M8
HOH-12K	41 – 110	314	<b>17 0001 2170</b>	GTZ-M 300-1	50	65	18	30	M14	25	M8
	98 – 169	314	<b>17 0001 2180</b>	GTZ-M 300-2	50	65	18	30	M14	25	M8
	163 – 236	328	<b>17 0001 2190</b>	GTZ-M 300-3	50	65	18	30	M14	25	M8
	227 – 300	372	<b>17 0001 2200</b>	GTZ-M 300-4	50	65	18	30	M14	25	M8
N-12	41 – 116	320	<b>17 0001 2170</b>	GTZ-M 300-1	50	65	18	30	M14	25	M8
	101 – 175	320	<b>17 0001 2180</b>	GTZ-M 300-2	50	65	18	30	M14	25	M8
	167 – 242	334	<b>17 0001 2190</b>	GTZ-M 300-3	50	65	18	30	M14	25	M8
	230 – 306	378	<b>17 0001 2200</b>	GTZ-M 300-4	50	65	18	30	M14	25	M8
NL12	41 – 113	317	<b>17 0001 2170</b>	GTZ-M 300-1	50	65	18	30	M14	25	M8
	101 – 173	317	<b>17 0001 2180</b>	GTZ-M 300-2	50	65	18	30	M14	25	M8
	167 – 239	331	<b>17 0001 2190</b>	GTZ-M 300-3	50	65	18	30	M14	25	M8
	231 – 304	375	<b>17 0001 2200</b>	GTZ-M 300-4	50	65	18	30	M14	25	M8
QJR12	41 – 150	354	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	70 – 209	354	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	130 – 276	368	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	193 – 340	412	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
UVE315K	51 – 132	337	<b>17 0001 2170</b>	GTZ-M 300-1	50	65	18	30	M14	25	M8
	111 – 192	337	<b>17 0001 2180</b>	GTZ-M 300-2	50	65	18	30	M14	25	M8
	177 – 259	351	<b>17 0001 2190</b>	GTZ-M 300-3	50	65	18	30	M14	25	M8
	241 – 323	395	<b>17 0001 2200</b>	GTZ-M 300-4	50	65	18	30	M14	25	M8
<b>ab Ø 381mm / from Ø 381mm</b>											
B-15	48 – 101	384	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	104 – 158	390	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	164 – 218	390	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	224 – 279	410	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	284 – 339	427	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	344 – 399	479	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8

**Krallenbacken Außenspannung**

Verzahnung 1,5mm x 60°

Hard claw jaws for O.D. clamping

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
B-215 <sup>6)</sup>	41 – 99	382	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	85 – 156	388	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	144 – 216	388	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	205 – 277	408	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	264 – 337	425	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	324 – 397	477	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8
HJA11-15	41 – 104	388	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	83 – 161	394	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	142 – 221	394	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	202 – 283	413	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	262 – 343	430	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	321 – 403	482	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8
HOH-15K	49 – 106	390	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	105 – 164	396	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	165 – 224	396	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	225 – 285	416	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	285 – 345	433	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	345 – 405	485	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8
N-15 <sup>6)</sup>	44 – 101	385	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	100 – 159	391	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	159 – 219	391	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	220 – 280	411	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	280 – 340	428	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	340 – 400	480	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8
NV15 <sup>6)</sup>	44 – 101	385	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	100 – 159	391	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	159 – 219	391	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	220 – 280	411	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	280 – 340	428	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	340 – 400	480	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8
<b>ab Ø 450mm / from Ø 450mm</b>											
B-18	48 – 168	453	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	104 – 226	459	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	164 – 286	459	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	224 – 348	479	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	284 – 408	496	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	344 – 468	548	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8
BB218 <sup>6)</sup>	99 – 175	459	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	157 – 232	465	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	217 – 292	465	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	278 – 354	485	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	338 – 414	502	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	398 – 474	554	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8
N-18 <sup>6)</sup>	101 – 161	446	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	159 – 219	452	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	219 – 279	452	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	280 – 341	472	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	340 – 401	489	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	400 – 461	541	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8

# Krallenbacken Außenspannung

Hard claw jaws for O.D. clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
NL18 <sup>6)</sup>	97 – 163	448	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	154 – 221	454	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	214 – 281	454	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	275 – 343	474	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	335 – 403	491	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	395 – 463	543	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8
NV18 <sup>6)</sup>	101 – 161	446	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	159 – 219	452	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	219 – 279	452	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	280 – 341	472	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	340 – 401	489	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	400 – 461	541	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8
UPR450	132 – 175	460	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	189 – 233	466	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	249 – 293	466	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	311 – 354	486	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	371 – 415	503	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	431 – 475	555	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8
<b>ab Ø 530mm / from Ø 530mm</b>											
BB221 <sup>6)</sup>	99 – 252	537	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	157 – 309	543	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	217 – 370	543	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	278 – 431	563	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	338 – 492	580	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	398 – 552	632	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8

6) Bitte überprüfen Sie die Nutbreite.

Bei Bedarf bitte abgestufte Nutensteine verwenden

6) Please check the slot width.

If necessary please use stepped T-nuts

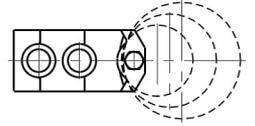
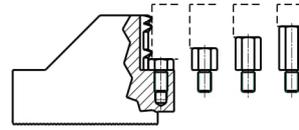
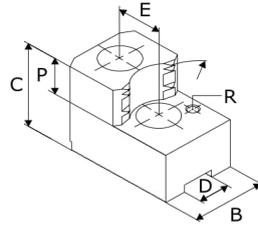
# Krallenbacken Außenspannung

## Hard claw jaws for O.D. clamping

Verzahnung 3mm x 60°

Serration 3mm x 60°

Stahl 16MnCr5, gehärtet  
Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 530mm/from Ø530mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
B-21	155 – 283	537	<b>17 0000 7930</b>	GTZ-M 530-1	65	94	25	60	M20	42	M8
	282 – 412	554	<b>17 0000 7940</b>	GTZ-M 530-2	65	94	25	60	M20	42	M8
	410 – 540	640	<b>17 0000 7950</b>	GTZ-M 530-3	65	94	25	60	M20	42	M8
N-21	137 – 270	525	<b>17 0000 7930</b>	GTZ-M 530-1	65	94	25	60	M20	42	M8
	264 – 399	541	<b>17 0000 7940</b>	GTZ-M 530-2	65	94	25	60	M20	42	M8
	391 – 527	627	<b>17 0000 7950</b>	GTZ-M 530-3	65	94	25	60	M20	42	M8
NV21	137 – 270	525	<b>17 0000 7930</b>	GTZ-M 530-1	65	94	25	60	M20	42	M8
	264 – 399	541	<b>17 0000 7940</b>	GTZ-M 530-2	65	94	25	60	M20	42	M8
	391 – 527	627	<b>17 0000 7950</b>	GTZ-M 530-3	65	94	25	60	M20	42	M8
<b>ab Ø 610mm/from Ø610mm</b>											
B-24	173 – 361	616	<b>17 0000 7930</b>	GTZ-M 530-1	65	94	25	60	M20	42	M8
	301 – 490	633	<b>17 0000 7940</b>	GTZ-M 530-2	65	94	25	60	M20	42	M8
	428 – 618	719	<b>17 0000 7950</b>	GTZ-M 530-3	65	94	25	60	M20	42	M8
N-24	213 – 347	602	<b>17 0000 7930</b>	GTZ-M 530-1	65	94	25	60	M20	42	M8
	341 – 476	619	<b>17 0000 7940</b>	GTZ-M 530-2	65	94	25	60	M20	42	M8
	469 – 604	705	<b>17 0000 7950</b>	GTZ-M 530-3	65	94	25	60	M20	42	M8
NV24	213 – 347	602	<b>17 0000 7930</b>	GTZ-M 530-1	65	94	25	60	M20	42	M8
	341 – 476	619	<b>17 0000 7940</b>	GTZ-M 530-2	65	94	25	60	M20	42	M8
	469 – 604	705	<b>17 0000 7950</b>	GTZ-M 530-3	65	94	25	60	M20	42	M8
<b>ab Ø 700mm/from Ø700mm</b>											
NV28	213 – 443	698	<b>17 0000 7930</b>	GTZ-M 530-1	65	94	25	60	M20	42	M8
	341 – 572	715	<b>17 0000 7940</b>	GTZ-M 530-2	65	94	25	60	M20	42	M8
	469 – 700	801	<b>17 0000 7950</b>	GTZ-M 530-3	65	94	25	60	M20	42	M8
NV32	213 – 538	794	<b>17 0000 7930</b>	GTZ-M 530-1	65	94	25	60	M20	42	M8
	341 – 668	811	<b>17 0000 7940</b>	GTZ-M 530-2	65	94	25	60	M20	42	M8
	469 – 796	897	<b>17 0000 7950</b>	GTZ-M 530-3	65	94	25	60	M20	42	M8
NV36	213 – 658	914	<b>17 0000 7930</b>	GTZ-M 530-1	65	94	25	60	M20	42	M8
	341 – 787	931	<b>17 0000 7940</b>	GTZ-M 530-2	65	94	25	60	M20	42	M8
	469 – 915	1017	<b>17 0000 7950</b>	GTZ-M 530-3	65	94	25	60	M20	42	M8
NV40	213 – 724	980	<b>17 0000 7930</b>	GTZ-M 530-1	65	94	25	60	M20	42	M8
	341 – 853	997	<b>17 0000 7940</b>	GTZ-M 530-2	65	94	25	60	M20	42	M8
	469 – 981	1083	<b>17 0000 7950</b>	GTZ-M 530-3	65	94	25	60	M20	42	M8

# Krallenbacken Innenspannung

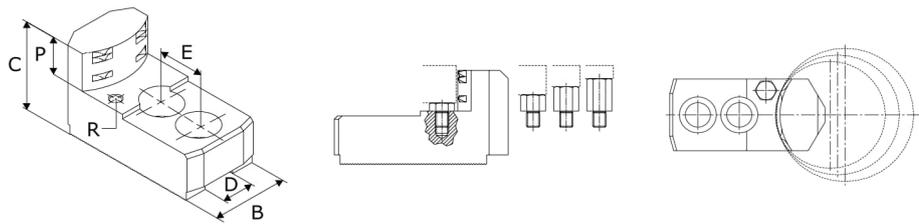
## Hard claw jaws for I.D. clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 210mm/from Ø 210mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
AS08	66 - 78	211	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	96 - 108	212	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	126 - 138	212	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	156 - 168	222	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
B-08	57 - 77	210	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	71 - 106	211	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	101 - 137	211	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	130 - 167	221	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
B-208	57 - 79	213	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	79 - 109	214	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	109 - 140	214	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	139 - 170	224	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
B108	57 - 83	217	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	73 - 113	218	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	103 - 144	218	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	132 - 174	228	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
BB08	59 - 82	216	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	88 - 112	217	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	118 - 143	217	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	148 - 173	227	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
BB208	57 - 81	215	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	87 - 111	216	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	117 - 142	216	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	147 - 171	225	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
BL208	57 - 90	223	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	84 - 120	224	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	114 - 150	224	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	144 - 180	234	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
BS308	57 - 78	211	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	83 - 108	212	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	114 - 138	212	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	143 - 168	222	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
HOH-08K	57 - 78	211	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	71 - 107	212	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	97 - 138	212	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	127 - 168	222	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
HOH-208	57 - 79	213	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	79 - 109	214	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	109 - 140	214	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	139 - 170	224	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6

**Krallenbacken Innenspannung**

Verzahnung 1,5mm x 60°

Hard claw jaws for I.D. clamping

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
ML08	57 – 108	242	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	84 – 139	243	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	114 – 169	243	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	144 – 199	253	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
N-08	57 – 80	213	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	86 – 110	214	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	117 – 140	214	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	146 – 170	224	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
NL08	57 – 80	214	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	83 – 110	214	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	113 – 140	214	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	143 – 170	224	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
NRC08	66 – 78	211	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	96 – 108	212	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	126 – 138	212	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	156 – 168	222	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
QJR08	57 – 99	232	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	71 – 129	233	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	96 – 159	233	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	125 – 189	243	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
<b>ab Ø 254mm/from Ø 254mm</b>											
AS10	79 – 94	254	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	119 – 134	254	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	157 – 172	254	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	191 – 206	258	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
B-10	60 – 94	255	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	94 – 135	255	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	131 – 172	255	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	165 – 206	259	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
B-210	60 – 99	260	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	99 – 139	260	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	136 – 177	260	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	170 – 211	264	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
B110	60 – 101	261	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	93 – 141	261	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	130 – 179	261	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	163 – 213	265	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
BB10	60 – 102	262	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	97 – 142	262	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	134 – 180	262	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	167 – 214	266	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
BB210	65 – 102	263	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	105 – 142	263	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	142 – 180	263	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	176 – 214	267	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6

# Krallenbacken Innenspannung

Verzahnung 1,5mm x 60°

Hard claw jaws for I.D. clamping

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
BL210	60 – 107	268	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	95 – 147	268	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	132 – 185	268	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	166 – 219	272	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
BS310	61 – 101	262	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	101 – 141	262	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	138 – 179	262	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	172 – 213	266	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
HJA8-10	60 – 102	262	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	89 – 142	262	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	126 – 180	262	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	159 – 214	266	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
HOH-10K	60 – 94	255	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	94 – 135	255	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	131 – 172	255	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	165 – 206	259	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
N-10	60 – 94	254	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	94 – 134	254	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	131 – 171	254	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	164 – 205	258	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
NL10	60 – 98	258	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	92 – 138	258	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	128 – 175	258	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	162 – 209	262	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
NRC10	79 – 100	260	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	119 – 140	260	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	157 – 178	260	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	191 – 212	264	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
QJR10	60 – 116	277	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	89 – 156	277	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	109 – 194	277	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	142 – 228	281	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
UVE250K	60 – 104	265	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	89 – 144	265	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	125 – 182	265	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	159 – 216	269	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
<b>ab Ø 304mm/from Ø 304mm</b>											
B-12	78 – 139	314	<b>17 0000 8480</b>	GTW-M 300-1	50	65	18	30	M14	25	M8
	125 – 200	314	<b>17 0000 8490</b>	GTW-M 300-2	50	65	18	30	M14	25	M8
	189 – 264	314	<b>17 0000 8500</b>	GTW-M 300-3	50	65	18	30	M14	25	M8
	240 – 316	358	<b>17 0000 8510</b>	GTW-M 300-4	50	65	18	30	M14	25	M8
B-212	78 – 139	315	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	137 – 200	315	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	201 – 265	315	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	253 – 317	358	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
BB212	90 – 152	327	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	150 – 213	327	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	214 – 278	327	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	266 – 330	371	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8

**Krallenbacken Innenspannung**

Verzahnung 1,5mm x 60°

Hard claw jaws for I.D. clamping

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
BL212	78 – 150	326	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	133 – 212	326	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	197 – 276	326	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	249 – 328	370	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
HJA8-12	78 – 142	317	<b>17 0000 8480</b>	GTW-M 300-1	50	65	18	30	M14	25	M8
	129 – 203	317	<b>17 0000 8490</b>	GTW-M 300-2	50	65	18	30	M14	25	M8
	193 – 268	317	<b>17 0000 8500</b>	GTW-M 300-3	50	65	18	30	M14	25	M8
	245 – 320	361	<b>17 0000 8510</b>	GTW-M 300-4	50	65	18	30	M14	25	M8
HOH-12K	78 – 138	314	<b>17 0000 8480</b>	GTW-M 300-1	50	65	18	30	M14	25	M8
	128 – 200	314	<b>17 0000 8490</b>	GTW-M 300-2	50	65	18	30	M14	25	M8
	192 – 264	314	<b>17 0000 8500</b>	GTW-M 300-3	50	65	18	30	M14	25	M8
	243 – 316	358	<b>17 0000 8510</b>	GTW-M 300-4	50	65	18	30	M14	25	M8
N-12	78 – 144	320	<b>17 0000 8480</b>	GTW-M 300-1	50	65	18	30	M14	25	M8
	131 – 206	320	<b>17 0000 8490</b>	GTW-M 300-2	50	65	18	30	M14	25	M8
	195 – 270	320	<b>17 0000 8500</b>	GTW-M 300-3	50	65	18	30	M14	25	M8
	246 – 322	364	<b>17 0000 8510</b>	GTW-M 300-4	50	65	18	30	M14	25	M8
NL12	78 – 142	317	<b>17 0000 8480</b>	GTW-M 300-1	50	65	18	30	M14	25	M8
	131 – 203	317	<b>17 0000 8490</b>	GTW-M 300-2	50	65	18	30	M14	25	M8
	195 – 268	317	<b>17 0000 8500</b>	GTW-M 300-3	50	65	18	30	M14	25	M8
	247 – 320	361	<b>17 0000 8510</b>	GTW-M 300-4	50	65	18	30	M14	25	M8
QJR12	78 – 178	354	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	109 – 240	354	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	158 – 304	354	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	209 – 357	398	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
UVE315K	81 – 161	337	<b>17 0000 8480</b>	GTW-M 300-1	50	65	18	30	M14	25	M8
	141 – 223	337	<b>17 0000 8490</b>	GTW-M 300-2	50	65	18	30	M14	25	M8
	205 – 287	337	<b>17 0000 8500</b>	GTW-M 300-3	50	65	18	30	M14	25	M8
	257 – 339	381	<b>17 0000 8510</b>	GTW-M 300-4	50	65	18	30	M14	25	M8
<b>ab Ø 381mm/from Ø 381mm</b>											
B-15	104 – 156	384	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	158 – 212	384	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	213 – 267	384	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	282 – 337	391	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	342 – 397	443	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8
B-215 <sup>6)</sup>	97 – 154	382	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	139 – 210	382	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	193 – 265	382	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	262 – 335	389	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	322 – 395	441	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8
HJA11-15	97 – 160	388	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	136 – 215	388	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	190 – 271	388	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	260 – 341	395	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	320 – 401	446	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8
HOH-15K	105 – 162	390	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	159 – 218	390	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	214 – 273	390	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	283 – 343	397	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	343 – 403	449	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8

# Krallenbacken Innenspannung

## Hard claw jaws for I.D. clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
N-15 <sup>6)</sup>	100 – 157	385	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	154 – 213	385	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	208 – 268	385	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	278 – 338	392	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	338 – 398	444	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8
NV15 <sup>6)</sup>	100 – 157	385	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	154 – 213	385	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	208 – 268	385	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	278 – 338	392	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	338 – 398	444	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8
<b>ab Ø 450mm/from Ø 450mm</b>											
B-18	104 – 224	453	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	158 – 280	453	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	213 – 335	453	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	282 – 406	460	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	342 – 466	512	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8
BB218 <sup>6)</sup>	155 – 230	459	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	211 – 286	459	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	266 – 342	459	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	336 – 412	466	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	396 – 473	518	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8
N-18 <sup>6)</sup>	157 – 217	446	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	213 – 273	446	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	268 – 328	446	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	338 – 399	453	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	398 – 459	505	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8
NL18 <sup>6)</sup>	152 – 219	448	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	208 – 275	448	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	263 – 330	448	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	333 – 401	455	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	393 – 461	507	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8
NV18 <sup>6)</sup>	157 – 217	446	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	213 – 273	446	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	268 – 328	446	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	338 – 399	453	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	398 – 459	505	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8
UPR450	187 – 230	460	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	243 – 287	460	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	299 – 342	460	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	369 – 413	467	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	429 – 473	519	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8
<b>ab Ø 530mm/from Ø 530mm</b>											
BB221 <sup>6)</sup>	155 – 307	537	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	211 – 364	537	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	266 – 419	537	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	336 – 490	544	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	396 – 550	596	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8

6) Bitte überprüfen Sie die Nutbreite.

Bei Bedarf bitte abgestufte Nutensteine verwenden

6) Please check the slot width.

If necessary please use stepped T-nuts

# Krallenbacken Innenspannung

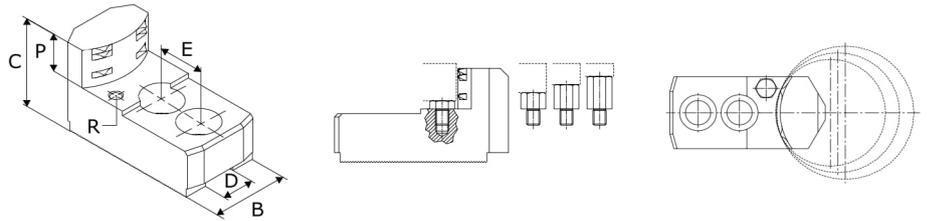
Hard claw jaws for I.D. clamping

Verzahnung 3mm x 60°

Serration 3mm x 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



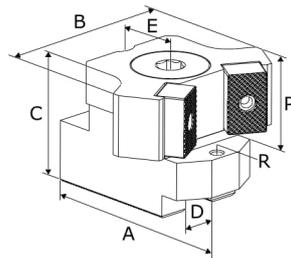
Futtertyp/Chuck type ab Ø 530mm/from Ø 530mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
B-21	171 – 299	547	<b>17 0000 8610</b>	GTW-M 530-1	65	94	25	60	M20	42	M8
	302 – 432	547	<b>17 0000 8620</b>	GTW-M 530-2	65	94	25	60	M20	42	M8
N-21	153 – 286	534	<b>17 0000 8610</b>	GTW-M 530-1	65	94	25	60	M20	42	M8
	284 – 419	534	<b>17 0000 8620</b>	GTW-M 530-2	65	94	25	60	M20	42	M8
NV21	153 – 286	534	<b>17 0000 8610</b>	GTW-M 530-1	65	94	25	60	M20	42	M8
	284 – 419	534	<b>17 0000 8620</b>	GTW-M 530-2	65	94	25	60	M20	42	M8
<b>ab Ø 610mm/from Ø 610mm</b>											
B-24	189 – 377	626	<b>17 0000 8610</b>	GTW-M 530-1	65	94	25	60	M20	42	M8
	321 – 510	626	<b>17 0000 8620</b>	GTW-M 530-2	65	94	25	60	M20	42	M8
N-24	229 – 363	612	<b>17 0000 8610</b>	GTW-M 530-1	65	94	25	60	M20	42	M8
	361 – 496	612	<b>17 0000 8620</b>	GTW-M 530-2	65	94	25	60	M20	42	M8
NV24	229 – 363	612	<b>17 0000 8610</b>	GTW-M 530-1	65	94	25	60	M20	42	M8
	361 – 496	612	<b>17 0000 8620</b>	GTW-M 530-2	65	94	25	60	M20	42	M8
<b>ab Ø 530mm/from Ø 530mm</b>											
NV28	229 – 459	708	<b>17 0000 8610</b>	GTW-M 530-1	65	94	25	60	M20	42	M8
	361 – 592	708	<b>17 0000 8620</b>	GTW-M 530-2	65	94	25	60	M20	42	M8
NV32	229 – 555	804	<b>17 0000 8610</b>	GTW-M 530-1	65	94	25	60	M20	42	M8
	361 – 688	804	<b>17 0000 8620</b>	GTW-M 530-2	65	94	25	60	M20	42	M8
NV36	229 – 674	924	<b>17 0000 8610</b>	GTW-M 530-1	65	94	25	60	M20	42	M8
	361 – 808	924	<b>17 0000 8620</b>	GTW-M 530-2	65	94	25	60	M20	42	M8
NV40	229 – 740	990	<b>17 0000 8610</b>	GTW-M 530-1	65	94	25	60	M20	42	M8
	361 – 874	990	<b>17 0000 8620</b>	GTW-M 530-2	65	94	25	60	M20	42	M8

# Pendelbacken

## Pendulum jaws

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°



Pendelbacken ermöglichen sicheres Spannen dünnwandiger und verformungsgefährdeter Werkstücke

Die Befestigung erfolgt mit einzelnen Nutensteinen  
Nutensteine müssen separat bestellt werden

Pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation

Fastening is done using single T-Nuts  
T-Nuts must be ordered separately

Futtertyp/Chuck type ab $\varnothing$ 210mm / from $\varnothing$ 210mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
B-08	48 – 71	209	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 – 79	209	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	78 – 102	230	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	104 – 127	229	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
B-208	55 – 74	212	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 – 82	212	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	86 – 105	233	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	111 – 130	232	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
B108	50 – 77	216	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 – 85	216	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	80 – 108	237	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	106 – 134	236	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
BB08	64 – 77	215	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	71 – 84	215	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	94 – 107	236	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	120 – 133	235	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
BB208	62 – 76	214	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	70 – 83	214	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	93 – 106	235	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	118 – 132	234	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
BL208	60 – 83	222	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 – 91	222	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	90 – 114	243	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	116 – 139	243	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
BS308	59 – 73	210	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 – 80	210	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	90 – 103	232	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	115 – 129	231	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
HOH-08K	47 – 72	210	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 – 80	210	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	78 – 103	231	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	101 – 128	230	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
HOH-208	55 – 74	212	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 – 82	212	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	86 – 105	233	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	111 – 130	232	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
ML08	60 – 88	241	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 – 108	241	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	91 – 130	262	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	116 – 156	262	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6

**Pendelbacken**

**Verzahnung 1,5mm x 60°**

**Pendulum jaws**

**Serration 1,5mm x 60°**

Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben		
	Clamping range	Swing diameter								Screws	P	R
N-08	62 - 74	212	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	70 - 82	212	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	93 - 105	233	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	118 - 130	233	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
NL08	59 - 75	212	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 - 82	212	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	89 - 105	234	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	115 - 131	233	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
<b>ab Ø 254mm / from Ø 254mm</b>												
AS10	85 - 95	262	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	91 - 101	262	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 105	262	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	141 - 150	276	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	153 - 162	276	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
B-10	63 - 95	262	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	69 - 101	262	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 105	262	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	118 - 151	276	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	130 - 163	276	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
B-210	67 - 99	267	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	73 - 106	267	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 110	267	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	122 - 155	281	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	134 - 167	281	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
B110	61 - 99	269	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	69 - 107	269	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 111	269	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	117 - 156	282	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	129 - 168	282	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
BB10	65 - 99	270	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	71 - 108	270	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 112	270	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	120 - 157	283	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	132 - 169	283	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
BB210	72 - 99	270	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	78 - 108	270	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 112	270	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	128 - 158	284	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	140 - 170	284	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
BL210	63 - 99	275	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	69 - 113	275	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 117	275	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	119 - 162	289	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	131 - 174	289	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
BS310	68 - 99	269	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	74 - 107	269	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 111	269	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	124 - 157	283	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	136 - 169	283	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6

**Pendelbacken**

**Verzahnung 1,5mm x 60°**

**Pendulum jaws**

**Serration 1,5mm x 60°**

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
HJA8-10	58 - 99	270	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	69 - 108	270	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 112	270	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	113 - 157	283	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	125 - 169	283	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
HOH-10K	63 - 95	262	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	69 - 101	262	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 105	262	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	118 - 151	276	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	130 - 163	276	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
N-10	62 - 95	262	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	69 - 101	262	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 105	262	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	117 - 150	275	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	129 - 162	275	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
NL10	60 - 98	266	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	69 - 104	266	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 108	266	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	115 - 154	279	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	127 - 166	279	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
NRC10	85 - 99	268	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	91 - 106	268	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 110	268	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	141 - 156	281	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	153 - 168	281	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
UVE250K	57 - 99	272	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	69 - 110	272	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 114	272	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	113 - 159	286	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	125 - 171	286	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
<b>ab Ø 304mm / from Ø 304mm</b>												
B-12	65 - 120	307	<b>17 0001 3540</b>	SWT-M 315-1	97	93	68	18	34	M14	35	M6
	99 - 138	307	<b>17 0001 3550</b>	SWT-M 315-2	97	130	68	18	34	M14	35	M6
	142 - 201	324	<b>17 0001 3560</b>	SWT-M 315-3	75	150	68	18	34	M14	35	M6
	159 - 211	326	<b>17 0001 3570</b>	SWT-M 315-4	75	179	68	18	34	M14	35	M6
B-212	76 - 120	307	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	99 - 139	307	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	153 - 202	325	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	163 - 212	327	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6
BB212	87 - 120	320	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	101 - 150	320	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	164 - 213	338	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	174 - 223	339	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6
BL212	72 - 120	318	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	99 - 149	318	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	149 - 212	336	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	159 - 222	338	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6
HJA8-12	69 - 120	310	<b>17 0001 3540</b>	SWT-M 315-1	97	93	68	18	34	M14	35	M6
	99 - 141	310	<b>17 0001 3550</b>	SWT-M 315-2	97	130	68	18	34	M14	35	M6
	145 - 204	328	<b>17 0001 3560</b>	SWT-M 315-3	75	150	68	18	34	M14	35	M6
	159 - 214	330	<b>17 0001 3570</b>	SWT-M 315-4	75	179	68	18	34	M14	35	M6

**Pendelbacken**

Verzahnung 1,5mm x 60°

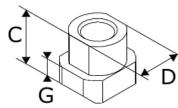
**Pendulum jaws**

Serration 1,5mm x 60°

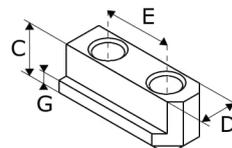
Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
	Clamping range	Swing diameter										
HOH-12K	68 - 120	307	<b>17 0001 3540</b>	SWT-M 315-1	97	93	68	18	34	M14	35	M6
	99 - 138	307	<b>17 0001 3550</b>	SWT-M 315-2	97	130	68	18	34	M14	35	M6
	144 - 201	324	<b>17 0001 3560</b>	SWT-M 315-3	75	150	68	18	34	M14	35	M6
	159 - 211	326	<b>17 0001 3570</b>	SWT-M 315-4	75	179	68	18	34	M14	35	M6
N-12	70 - 120	313	<b>17 0001 3540</b>	SWT-M 315-1	97	93	68	18	34	M14	35	M6
	99 - 144	313	<b>17 0001 3550</b>	SWT-M 315-2	97	130	68	18	34	M14	35	M6
	147 - 206	330	<b>17 0001 3560</b>	SWT-M 315-3	75	150	68	18	34	M14	35	M6
	159 - 216	332	<b>17 0001 3570</b>	SWT-M 315-4	75	179	68	18	34	M14	35	M6
NL12	71 - 120	310	<b>17 0001 3540</b>	SWT-M 315-1	97	93	68	18	34	M14	35	M6
	99 - 141	310	<b>17 0001 3550</b>	SWT-M 315-2	97	130	68	18	34	M14	35	M6
	148 - 204	328	<b>17 0001 3560</b>	SWT-M 315-3	75	150	68	18	34	M14	35	M6
	159 - 214	329	<b>17 0001 3570</b>	SWT-M 315-4	75	179	68	18	34	M14	35	M6
UVE315K	80 - 120	329	<b>17 0001 3540</b>	SWT-M 315-1	97	93	68	18	34	M14	35	M6
	99 - 158	329	<b>17 0001 3550</b>	SWT-M 315-2	97	130	68	18	34	M14	35	M6
	156 - 221	347	<b>17 0001 3560</b>	SWT-M 315-3	75	150	68	18	34	M14	35	M6
	166 - 231	349	<b>17 0001 3570</b>	SWT-M 315-4	75	179	68	18	34	M14	35	M6

**T-Nutensteine**

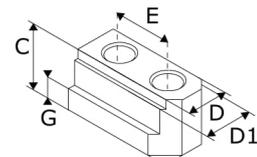
**T-Nuts**



**Ausführung 1  
Version 1**



**Ausführung 4  
Version 4**



**Ausführung 6  
Version 6**

Futtertyp/Chuck type ab Ø 110mm / from Ø 110mm	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max.Anzugsmoment Nm		Ausführung Version
									Max. tightening torque Nm		
AS04; AS110; AT04	<b>17 0000 4590</b>	WTD 10-2	18	10	-	14	M8x22	5,5	30		4
B-04	<b>17 0000 4580</b>	WTD 8-1	13,5	8	-	15	M6x18	4,5	16		4
B-204	<b>17 0000 3220</b>	WTD 10-4	15	10	-	14	M8x20	5	30		4
BT04	<b>17 0000 4580</b>	WTD 8-1	13,5	8	-	15	M6x18	4,5	16		4
BT204	<b>17 0000 3220</b>	WTD 10-4	15	10	-	14	M8x20	5	30		4
HJ-4	<b>17 0000 4590</b>	WTD 10-2	18	10	-	14	M8x22	5,5	30		4
HOB-4	<b>17 0000 4580</b>	WTD 8-1	13,5	8	-	15	M6x18	4,5	16		4
N-04; NL04; NRC04; NT04	<b>17 0000 4590</b>	WTD 10-2	18	10	-	14	M8x22	5,5	30		4
<b>ab Ø 135mm / from Ø 135mm</b>											
B-05	<b>17 0000 5820</b>	WTD 10-3	15,5	10	-	18	M8x22	5,5	30		4
B-205	<b>17 0000 3220</b>	WTD 10-4	15	10	-	14	M8x20	5	30		4
BT05	<b>17 0000 5820</b>	WTD 10-3	15,5	10	-	18	M8x22	5,5	30		4
BT205	<b>17 0000 3220</b>	WTD 10-4	15	10	-	14	M8x20	5	30		4
HJ-5	<b>17 0000 5800</b>	WTD 10-5	18	10	-	19	M8x22	5,5	30		4
HOB-5; HOBT-5	<b>17 0000 5820</b>	WTD 10-3	15,5	10	-	18	M8x22	5,5	30		4
N-05; NT05	<b>17 0000 5800</b>	WTD 10-5	18	10	-	19	M8x22	5,5	30		4
<b>ab Ø 165mm / from Ø 165mm</b>											
AS06; AS165; AT06	<b>17 0000 4600</b>	WTD 12-2	22	12	-	20	M10x25	7	50		4
B-06; B-07	<b>17 0000 4600</b>	WTD 12-2	22	12	-	20	M10x25	7	50		4
B-206; B106	<b>17 0000 3230</b>	WTD 12-3	18,5	12	-	20	M10x25	7,5	50		4
	<b>17 0000 3280</b>	WTS 12-2	18,5	12	-	-	M10x25	7,5	50		1
B160	<b>17 0000 4600</b>	WTD 12-2	22	12	-	20	M10x25	7	50		4
BB06; BB206; BBT206; BL206; BLT206; BS306	<b>17 0000 3230</b>	WTD 12-3	18,5	12	-	20	M10x25	7,5	50		4
	<b>17 0000 3280</b>	WTS 12-2	18,5	12	-	-	M10x25	7,5	50		1
BT06	<b>17 0000 4600</b>	WTD 12-2	22	12	-	20	M10x25	7	50		4
BT206	<b>17 0000 3230</b>	WTD 12-3	18,5	12	-	20	M10x25	7,5	50		4
	<b>17 0000 3280</b>	WTS 12-2	18,5	12	-	-	M10x25	7,5	50		1
DLN06	<b>17 0000 3230</b>	WTD 12-3	18,5	12	-	20	M10x25	7,5	50		4
	<b>17 0000 3280</b>	WTS 12-2	18,5	12	-	-	M10x25	7,5	50		1
HJ-6; HJA5-6; HO-6; HOB-6; HOBT-6; HOH-06K	<b>17 0000 4600</b>	WTD 12-2	22	12	-	20	M10x25	7	50		4
HOH-106	<b>17 0000 3230</b>	WTD 12-3	18,5	12	-	20	M10x25	7,5	50		4
	<b>17 0000 3280</b>	WTS 12-2	18,5	12	-	-	M10x25	7,5	50		1
HOH-160	<b>17 0000 4600</b>	WTD 12-2	22	12	-	20	M10x25	7	50		4
HOH-206	<b>17 0000 3230</b>	WTD 12-3	18,5	12	-	20	M10x25	7,5	50		4
	<b>17 0000 3280</b>	WTS 12-2	18,5	12	-	-	M10x25	7,5	50		1
HOS-6	<b>17 0000 4600</b>	WTD 12-2	22	12	-	20	M10x25	7	50		4

# T-Nutensteine

## T-Nuts

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max.Anzugsmoment Nm		Ausführung Version
									Max. tightening torque Nm		
ML06; MLT06	<b>17 0000 3230</b>	WTD 12-3	18,5	12	-	20	M10x25	7,5	50	4	
	<b>17 0000 3280</b>	WTS 12-2	18,5	12	-	-	M10x25	7,5	50	1	
N-06; N160; NL06; NLT06; NRC06; NT06	<b>17 0000 4600</b>	WTD 12-2	22	12	-	20	M10x25	7	50	4	
<b>ab Ø 210mm / from Ø 210mm</b>											
AS08; AS210; AT08	<b>17 0000 4610</b>	WTD 14-2	24,5	14	-	25	M12x35	8,5	70	4	
	<b>17 0000 8670</b>	WTS 14-3	24,5	14	-	-	M12x35	8,5	70	1	
B-08	<b>17 0000 4610</b>	WTD 14-2	24,5	14	-	25	M12x35	8,5	70	4	
	<b>17 0000 8670</b>	WTS 14-3	24,5	14	-	-	M12x35	8,5	70	1	
B-208; B108	<b>17 0000 3240</b>	WTD 14-3	20,5	14	-	25	M12x30	8,5	70	4	
	<b>17 0000 3290</b>	WTS 14-4	20,5	14	-	-	M12x30	8,5	70	1	
B200	<b>17 0000 4610</b>	WTD 14-2	24,5	14	-	25	M12x35	8,5	70	4	
	<b>17 0000 8670</b>	WTS 14-3	24,5	14	-	-	M12x35	8,5	70	1	
BB08; BB208; BBT208; BL208; BLT208; BS308	<b>17 0000 3240</b>	WTD 14-3	20,5	14	-	25	M12x30	8,5	70	4	
	<b>17 0000 3290</b>	WTS 14-4	20,5	14	-	-	M12x30	8,5	70	1	
BT08	<b>17 0000 4610</b>	WTD 14-2	24,5	14	-	25	M12x35	8,5	70	4	
	<b>17 0000 8670</b>	WTS 14-3	24,5	14	-	-	M12x35	8,5	70	1	
BT208	<b>17 0000 3240</b>	WTD 14-3	20,5	14	-	25	M12x30	8,5	70	4	
	<b>17 0000 3290</b>	WTS 14-4	20,5	14	-	-	M12x30	8,5	70	1	
DLN08	<b>17 0000 3240</b>	WTD 14-3	20,5	14	-	25	M12x30	8,5	70	4	
	<b>17 0000 3290</b>	WTS 14-4	20,5	14	-	-	M12x30	8,5	70	1	
HJ-8; HJA6-8; HO-8; HOB-8; HOBT-8; HOH-08K	<b>17 0000 4610</b>	WTD 14-2	24,5	14	-	25	M12x35	8,5	70	4	
	<b>17 0000 8670</b>	WTS 14-3	24,5	14	-	-	M12x35	8,5	70	1	
HOH-108	<b>17 0000 3240</b>	WTD 14-3	20,5	14	-	25	M12x30	8,5	70	4	
	<b>17 0000 3290</b>	WTS 14-4	20,5	14	-	-	M12x30	8,5	70	1	
HOH-200	<b>17 0000 4610</b>	WTD 14-2	24,5	14	-	25	M12x35	8,5	70	4	
	<b>17 0000 8670</b>	WTS 14-3	24,5	14	-	-	M12x35	8,5	70	1	
HOH-208	<b>17 0000 3240</b>	WTD 14-3	20,5	14	-	25	M12x30	8,5	70	4	
	<b>17 0000 3290</b>	WTS 14-4	20,5	14	-	-	M12x30	8,5	70	1	
HOS-8	<b>17 0000 4610</b>	WTD 14-2	24,5	14	-	25	M12x35	8,5	70	4	
	<b>17 0000 8670</b>	WTS 14-3	24,5	14	-	-	M12x35	8,5	70	1	
HW-08	<b>17 0000 3230</b>	WTD 12-3	18,5	12	-	20	M10x25	7,5	50	4	
	<b>17 0000 3280</b>	WTS 12-2	18,5	12	-	-	M10x25	7,5	50	1	
ML08; MLT08	<b>17 0000 3240</b>	WTD 14-3	20,5	14	-	25	M12x30	8,5	70	4	
	<b>17 0000 3290</b>	WTS 14-4	20,5	14	-	-	M12x30	8,5	70	1	
N-08; N200; NL08; NLT08; NRC08; NT08	<b>17 0000 4610</b>	WTD 14-2	24,5	14	-	25	M12x35	8,5	70	4	
	<b>17 0000 8670</b>	WTS 14-3	24,5	14	-	-	M12x35	8,5	70	1	
UVE200K	<b>17 0000 4620</b>	WTD 16-1	24,5	16	-	30	M12x35	8,5	70	4	
	<b>17 0000 8690</b>	WTS 16-1	24,5	16	-	-	M12x35	8,5	70	1	
<b>ab Ø 254mm / from Ø 254mm</b>											
AS10; AS250; AT10	<b>17 0000 4620</b>	WTD 16-1	24,5	16	-	30	M12x35	8,5	70	4	
	<b>17 0000 8690</b>	WTS 16-1	24,5	16	-	-	M12x35	8,5	70	1	
B-10	<b>17 0000 4620</b>	WTD 16-1	24,5	16	-	30	M12x35	8,5	70	4	
	<b>17 0000 8690</b>	WTS 16-1	24,5	16	-	-	M12x35	8,5	70	1	
B-210; B110	<b>17 0000 3250</b>	WTD 16-2	21,5	16	-	30	M12x30	8,5	70	4	
	<b>17 0000 3300</b>	WTS 16-2	21,5	16	-	-	M12x30	8,5	70	1	

**T-Nutensteine**

**T-Nuts**

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max. Anzugsmoment Nm	
									Max. tightening torque Nm	Ausführung Version
B250	<b>17 0000 4620</b>	WTD 16-1	24,5	16	-	30	M12x35	8,5	70	4
	<b>17 0000 8690</b>	WTS 16-1	24,5	16	-	-	M12x35	8,5	70	1
BB10; BB210; BBT210; BL210; BLT210; BS310	<b>17 0000 3250</b>	WTD 16-2	21,5	16	-	30	M12x30	8,5	70	4
	<b>17 0000 3300</b>	WTS 16-2	21,5	16	-	-	M12x30	8,5	70	1
BT10	<b>17 0000 4620</b>	WTD 16-1	24,5	16	-	30	M12x35	8,5	70	4
	<b>17 0000 8690</b>	WTS 16-1	24,5	16	-	-	M12x35	8,5	70	1
BT210	<b>17 0000 3250</b>	WTD 16-2	21,5	16	-	30	M12x30	8,5	70	4
	<b>17 0000 3300</b>	WTS 16-2	21,5	16	-	-	M12x30	8,5	70	1
HJ-10; HJA6-10; HJA8-10; HO-10; HOB-10; HOBT-10; HOH-10K	<b>17 0000 4620</b>	WTD 16-1	24,5	16	-	30	M12x35	8,5	70	4
	<b>17 0000 8690</b>	WTS 16-1	24,5	16	-	-	M12x35	8,5	70	1
HOH-110; HOH-210	<b>17 0000 3250</b>	WTD 16-2	21,5	16	-	30	M12x30	8,5	70	4
	<b>17 0000 3300</b>	WTS 16-2	21,5	16	-	-	M12x30	8,5	70	1
HOH-250; HOS-10; HW-10	<b>17 0000 4620</b>	WTD 16-1	24,5	16	-	30	M12x35	8,5	70	4
	<b>17 0000 8690</b>	WTS 16-1	24,5	16	-	-	M12x35	8,5	70	1
N-10; N250; NL10; NLT10; NRC10; NT10	<b>17 0000 4620</b>	WTD 16-1	24,5	16	-	30	M12x35	8,5	70	4
	<b>17 0000 8690</b>	WTS 16-1	24,5	16	-	-	M12x35	8,5	70	1
UVE250K	<b>17 0000 4620</b>	WTD 16-1	24,5	16	-	30	M12x35	8,5	70	4
	<b>17 0000 8690</b>	WTS 16-1	24,5	16	-	-	M12x35	8,5	70	1
<b>ab Ø 304mm / from Ø 304mm</b>										
B-12	<b>17 0000 4630</b>	WTD 18-1	33,5	18	-	30	M14x45	13,5	130	4
	<b>17 0000 4570</b>	WTS 18-1	33,5	18	-	-	M14x45	13,5	130	1
B-212; B112	<b>17 0000 3260</b>	WTD 21-3	28	21	-	30	M16x40	11,5	150	4
	<b>17 0000 3310</b>	WTS 21-4	28	21	-	-	M16x40	11,5	150	1
B300	<b>17 0000 4630</b>	WTD 18-1	33,5	18	-	30	M14x45	13,5	130	4
	<b>17 0000 4570</b>	WTS 18-1	33,5	18	-	-	M14x45	13,5	130	1
BB212; BBT212	<b>17 0000 5880</b>	WTD 21-4	23	21	-	30	M16x35	11,5	150	4
BL212; BLT212	<b>17 0000 3260</b>	WTD 21-3	28	21	-	30	M16x40	11,5	150	4
	<b>17 0000 3310</b>	WTS 21-4	28	21	-	-	M16x40	11,5	150	1
BT12	<b>17 0000 4630</b>	WTD 18-1	33,5	18	-	30	M14x45	13,5	130	4
	<b>17 0000 4570</b>	WTS 18-1	33,5	18	-	-	M14x45	13,5	130	1
BT212	<b>17 0000 3260</b>	WTD 21-3	28	21	-	30	M16x40	11,5	150	4
	<b>17 0000 3310</b>	WTS 21-4	28	21	-	-	M16x40	11,5	150	1
HJ-12; HJA6-12; HJA8-12; HLA6-12; HO-12; HOB-12; HOBT-12	<b>17 0000 4630</b>	WTD 18-1	33,5	18	-	30	M14x45	13,5	130	4
	<b>17 0000 4570</b>	WTS 18-1	33,5	18	-	-	M14x45	13,5	130	1
HOH-112	<b>17 0000 3260</b>	WTD 21-3	28	21	-	30	M16x40	11,5	150	4
	<b>17 0000 3310</b>	WTS 21-4	28	21	-	-	M16x40	11,5	150	1
HOH-12K	<b>17 0000 4630</b>	WTD 18-1	33,5	18	-	30	M14x45	13,5	130	4
	<b>17 0000 4570</b>	WTS 18-1	33,5	18	-	-	M14x45	13,5	130	1
HOH-212	<b>17 0000 3260</b>	WTD 21-3	28	21	-	30	M16x40	11,5	150	4
	<b>17 0000 3310</b>	WTS 21-4	28	21	-	-	M16x40	11,5	150	1
HOH-300; HOS-12	<b>17 0000 4630</b>	WTD 18-1	33,5	18	-	30	M14x45	13,5	130	4
	<b>17 0000 4570</b>	WTS 18-1	33,5	18	-	-	M14x45	13,5	130	1
HW-12	<b>17 0000 4620</b>	WTD 16-1	24,5	16	-	30	M12x35	8,5	70	4
	<b>17 0000 8690</b>	WTS 16-1	24,5	16	-	-	M12x35	8,5	70	1

**T-Nutensteine**

**T-Nuts**

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max.Anzugsmoment Nm	
									Max. tightening torque Nm	Ausführung Version
N-12; N300; NL12; NLT12; NT12	<b>17 0000 4630</b>	WTD 18-1	33,5	18	-	30	M14x45	13,5	130	4
	<b>17 0000 4570</b>	WTS 18-1	33,5	18	-	-	M14x45	13,5	130	1
<b>ab Ø 381mm / from Ø 381mm</b>										
B-15	<b>17 0000 4660</b>	WTD 22-1	45,5	22	24	43	M20x60	16,5	300	6
	<b>17 0000 8810</b>	WTD 21-8	42,5	21	24	30	M16x60	16,5	150	6
B-215	<b>17 0000 3270</b>	WTD 25,5-2	39,5	25,5	-	43	M20x50	19	300	4
	<b>17 0000 3320</b>	WTS 25,5-7	39,5	25,5	-	-	M20x50	19	300	1
	<b>17 0000 8820</b>	WTD 22-2	39,5	22	25,5	43	M20x50	19	300	6
B380; BT15	<b>17 0000 4660</b>	WTD 22-1	45,5	22	24	43	M20x60	16,5	300	6
	<b>17 0000 8810</b>	WTD 21-8	42,5	21	24	30	M16x60	16,5	150	6
HJ-15; HJ380	<b>17 0000 8830</b>	WTD 22-3	45,5	22	24	60	M20x55	16,5	300	4
HJA8-15; HJA11-15	<b>17 0000 4660</b>	WTD 22-1	45,5	22	24	43	M20x60	16,5	300	6
	<b>17 0000 8810</b>	WTD 21-8	42,5	21	24	30	M16x60	16,5	150	6
HLA6-15; HLA8-15	<b>17 0000 4630</b>	WTD 18-1	33,5	18	-	30	M14x45	13,5	130	4
	<b>17 0000 4570</b>	WTS 18-1	33,5	18	-	-	M14x45	13,5	130	1
HO-15; HOB-15; HOBT-15	<b>17 0000 4660</b>	WTD 22-1	45,5	22	24	43	M20x60	16,5	300	6
	<b>17 0000 8810</b>	WTD 21-8	42,5	21	24	30	M16x60	16,5	150	6
HOH-15K; HOS-15	<b>17 0000 4650</b>	WTD 22-4	40,5	22	24	43	M20x55	16,5	300	6
N-15; NT15; NV15	<b>17 0000 3270</b>	WTD 25,5-2	39,5	25,5	-	43	M20x50	19	300	4
	<b>17 0000 3320</b>	WTS 25,5-7	39,5	25,5	-	-	M20x50	19	300	1
	<b>17 0000 8820</b>	WTD 22-2	39,5	22	25,5	43	M20x50	19	300	6
<b>ab Ø 450mm / from Ø 450mm</b>										
B-18; B450	<b>17 0000 4660</b>	WTD 22-1	45,5	22	24	43	M20x60	16,5	300	6
	<b>17 0000 8810</b>	WTD 21-8	42,5	21	24	30	M16x60	16,5	150	6
BB218	<b>17 0000 8850</b>	WTD 25,5-3	29	25,5	-	43	M20x50	14,4	300	4
	<b>17 0000 8860</b>	WTD 22-7	29	22	25,5	43	M20x50	14,4	300	6
HJ-18	<b>17 0000 8870</b>	WTD 25-1	54	25	-	60	M20x70	19	300	4
HJA8-18; HLA8-18	<b>17 0000 4660</b>	WTD 22-1	45,5	22	24	43	M20x60	16,5	300	6
	<b>17 0000 8810</b>	WTD 21-8	42,5	21	24	30	M16x60	16,5	150	6
HO-18	<b>17 0000 8870</b>	WTD 25-1	54	25	-	60	M20x70	19	300	4
HOB-18	<b>17 0000 4660</b>	WTD 22-1	45,5	22	24	43	M20x60	16,5	300	6
	<b>17 0000 8810</b>	WTD 21-8	42,5	21	24	30	M16x60	16,5	150	6
N-18; NL18; NV18	<b>17 0000 3270</b>	WTD 25,5-2	39,5	25,5	-	43	M20x50	19	300	4
	<b>17 0000 3320</b>	WTS 25,5-7	39,5	25,5	-	-	M20x50	19	300	1
	<b>17 0000 8820</b>	WTD 22-2	39,5	22	25,5	43	M20x50	19	300	6
<b>ab Ø 530mm / from Ø 530mm</b>										
B-21	<b>17 0000 4640</b>	WTD 25-2	45	25	-	60	M20x60	19	300	4
	<b>17 0000 5810</b>	WTS 25-1	45	25	-	-	M20x60	19	300	1
	<b>17 0000 8880</b>	WTD 22-5	45	22	25	50	M20x60	19	300	6
BB221	<b>17 0000 8850</b>	WTD 25,5-3	29	25,5	-	43	M20x50	14,4	300	4
	<b>17 0000 8860</b>	WTD 22-7	29	22	25,5	43	M20x50	14,4	300	6
HJ-21	<b>17 0000 8870</b>	WTD 25-1	54	25	-	60	M20x70	19	300	4
HJA8-21; HLA8-21	<b>17 0000 4660</b>	WTD 22-1	45,5	22	24	43	M20x60	16,5	300	6
	<b>17 0000 8810</b>	WTD 21-8	42,5	21	24	30	M16x60	16,5	150	6

**T-Nutensteine**

**T-Nuts**

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max.Anzugsmoment Nm	
									Max. tightening torque Nm	Ausführung Version
HOB-21	<b>17 0000 4640</b>	WTD 25-2	45	25	-	60	M20x60	19	300	4
	<b>17 0000 5810</b>	WTS 25-1	45	25	-	-	M20x60	19	300	1
	<b>17 0000 8880</b>	WTD 22-5	45	22	25	50	M20x60	19	300	6
N-21; NV21	<b>17 0000 4640</b>	WTD 25-2	45	25	-	60	M20x60	19	300	4
	<b>17 0000 5810</b>	WTS 25-1	45	25	-	-	M20x60	19	300	1
	<b>17 0000 8880</b>	WTD 22-5	45	22	25	50	M20x60	19	300	6
UVE550AR	<b>17 0000 4640</b>	WTD 25-2	45	25	-	60	M20x60	19	300	4
	<b>17 0000 5810</b>	WTS 25-1	45	25	-	-	M20x60	19	300	1
	<b>17 0000 8880</b>	WTD 22-5	45	22	25	50	M20x60	19	300	6
<b>ab Ø 610mm / from Ø 610mm</b>										
B-24	<b>17 0000 4640</b>	WTD 25-2	45	25	-	60	M20x60	19	300	4
	<b>17 0000 5810</b>	WTS 25-1	45	25	-	-	M20x60	19	300	1
	<b>17 0000 8880</b>	WTD 22-5	45	22	25	50	M20x60	19	300	6
HJ-24; HJA11-24; HJA15-24	<b>17 0000 8870</b>	WTD 25-1	54	25	-	60	M20x70	19	300	4
HOB-24	<b>17 0000 4640</b>	WTD 25-2	45	25	-	60	M20x60	19	300	4
	<b>17 0000 5810</b>	WTS 25-1	45	25	-	-	M20x60	19	300	1
	<b>17 0000 8880</b>	WTD 22-5	45	22	25	50	M20x60	19	300	6
N-24; NV24	<b>17 0000 4640</b>	WTD 25-2	45	25	-	60	M20x60	19	300	4
	<b>17 0000 5810</b>	WTS 25-1	45	25	-	-	M20x60	19	300	1
	<b>17 0000 8880</b>	WTD 22-5	45	22	25	50	M20x60	19	300	6
UVE630AR	<b>17 0000 4640</b>	WTD 25-2	45	25	-	60	M20x60	19	300	4
	<b>17 0000 5810</b>	WTS 25-1	45	25	-	-	M20x60	19	300	1
	<b>17 0000 8880</b>	WTD 22-5	45	22	25	50	M20x60	19	300	6
<b>ab Ø 700mm / from Ø 700mm</b>										
NV28; NV32; NV36; NV40	<b>17 0000 4640</b>	WTD 25-2	45	25	-	60	M20x60	19	300	4
	<b>17 0000 5810</b>	WTS 25-1	45	25	-	-	M20x60	19	300	1
	<b>17 0000 8880</b>	WTD 22-5	45	22	25	50	M20x60	19	300	6
UVE750AR	<b>17 0000 4640</b>	WTD 25-2	45	25	-	60	M20x60	19	300	4
	<b>17 0000 5810</b>	WTS 25-1	45	25	-	-	M20x60	19	300	1
	<b>17 0000 8880</b>	WTD 22-5	45	22	25	50	M20x60	19	300	6

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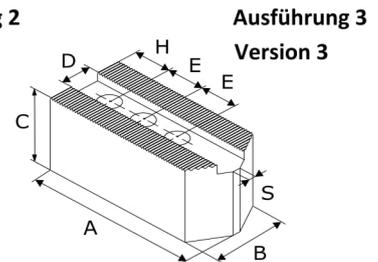
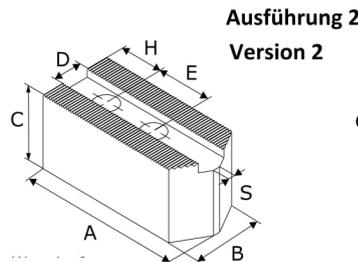
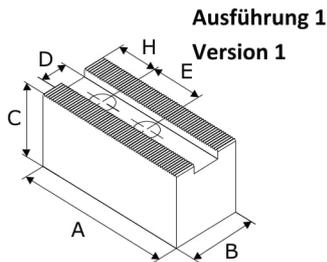
# Weiche Aufsatzbacken

## Soft top jaws

Verzahnung 90°

Serration 90°

Stahl/Steel C45



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
KFD 110 <sup>2)</sup> ; KFD 125 <sup>2)</sup> ; KFD 140 <sup>2)</sup> ; KFD-HS 125 <sup>2)</sup> ; KFD-HS 130; KFD-HS 140 <sup>2)</sup>	<b>17 0000 6080</b>	MKS-C 130-1	53	22	47	10	12	M6	9	-	3
	<b>17 0000 5990</b>	MTS-C 130-1	55	25	30	10	12	M6	11	3	3
	<b>17 0000 6930</b>	MTS-C 130-2	62	32	32	10	12	M6	9	2	3
KFD-HE 130 <sup>1),7)</sup> ; KFD-HS 110 <sup>2)</sup>	<b>17 0001 1490</b>	MTS-C 110-1	45	25	32	10	15	M8	12	5	2
KFD 130 <sup>2)</sup> ; KFH 140; LVE 125	<b>17 0001 1740</b>	MKS-C 160-1	55	30	38	12	15	M8	9	-	1
	<b>17 0000 6090</b>	MKS-C 160-2	55	30	55	12	15	M8	9	-	1
KFD-HE 170 <sup>1)</sup> ; KFD-HS 160 <sup>2)</sup> ; KFD-HS 175; LVE 160; SSH 160; SSP 160	<b>17 0001 1740</b>	MKS-C 160-1	55	30	38	12	15	M8	9	-	1
	<b>17 0000 6090</b>	MKS-C 160-2	55	30	55	12	15	M8	9	-	1
	<b>17 0000 6940</b>	MTS-C 160-1	72	35	40	12	15	M8	12	3	2
KFD 160 <sup>2)</sup> ; KFD-AF 160; KFD-HF 160; KFH 160; KFH-F 160; KFH-G 160; KFH-NC 160; SPD 160; SPO 160	<b>17 0000 5390</b>	MKS-C 165-1	70	35	40	17	22	M12	15	-	1
	<b>17 0000 5400</b>	MKS-C 165-2	70	40	60	17	22	M12	15	-	1
	<b>17 0000 6960</b>	MTS-C 165-1	78	35	40	17	22	M12	15	4	2
DURO-NCGB 200; DURO-NCSE-B 210	<b>17 0000 6040</b>	MKS-C 200-4	70	40	60	17	19	M12	12	-	1
	<b>17 0000 6050</b>	MKS-C 250-1	90	40	60	17	19	M12	12	-	1
KFD-HF 200 <sup>7)</sup> ; KFD-HS 200 <sup>2),7)</sup> ; KFD-HS 250 <sup>2),7)</sup> ; LVE 200 <sup>7)</sup> ; SSH 200 <sup>7)</sup> ; SSP 200 <sup>7)</sup>	<b>17 0000 6040</b>	MKS-C 200-4	70	40	60	17	19	M12	12	-	1
	<b>17 0000 6050</b>	MKS-C 250-1	90	40	60	17	19	M12	12	-	1
	<b>17 0000 6970</b>	MKS-C 200-2	90	40	40	17	22	M12	25	-	1
	<b>17 0000 5440</b>	MKS-C 200-3	90	40	60	17	22	M12	25	-	1
KFD 200 <sup>2)</sup> ; KFD-AF 200; KFD-EC 200; KFD-HE 210 <sup>1)</sup> ; KFH 200; KFH-F 200; KFH-G 200; KFH-NC 200; KFL 250; SPD 215; SPO 215	<b>17 0000 6970</b>	MKS-C 200-2	90	40	40	17	22	M12	25	-	1
	<b>17 0000 5440</b>	MKS-C 200-3	90	40	60	17	22	M12	25	-	1
KFA 200 <sup>3)</sup> ; KFD-G 200 <sup>3)</sup>	<b>17 0000 6990</b>	2MKS-C 200-1	95	80	80	21	28	M16	22	-	1
	<b>17 0000 6990</b>	2MKS-C 200-1	95	80	80	21	28	M16	22	-	1
DURO-NCGB 250; DURO-NCGB 315; DURO-NCSE-B 265; DURO-NCSE-B 315	<b>17 0001 1750</b>	MKS-C 315-1	105	50	60	21	25	M16	15	-	1
	<b>17 0001 1750</b>	MKS-C 315-1	105	50	60	21	25	M16	15	-	1
	<b>17 0001 1730</b>	MKS-C 250-2	95	50	60	21	28	M16	15	-	1
	<b>17 0000 6980</b>	MTS-C 250-1	120	50	50	21	28	M16	20	4	2
	<b>17 0000 5240</b>	MKS-C 250-3	120	50	80	21	28	M16	30	-	1
KFD-HE 254 <sup>1),7)</sup> ; KFD-HE 315-91 <sup>1),7)</sup> ; KFD-HE 315-121 <sup>1),7)</sup> ; KFD-HF 250 <sup>7)</sup> ; KFD-HF 315 <sup>7)</sup> ; KFD-HS 315-86 <sup>7)</sup> ; KFD-HS 315-108 <sup>7)</sup> ; LVE 250 <sup>7)</sup> ; LVE 315 <sup>7)</sup> ; SSH 250 <sup>7)</sup> ; SSH 315 <sup>7)</sup> ; SSP 250 <sup>7)</sup> ; SSP 315 <sup>7)</sup>	<b>17 0001 1750</b>	MKS-C 315-1	105	50	60	21	25	M16	15	-	1
	<b>17 0001 1730</b>	MKS-C 250-2	95	50	60	21	28	M16	15	-	1
	<b>17 0000 6980</b>	MTS-C 250-1	120	50	50	21	28	M16	20	4	2
	<b>17 0000 5240</b>	MKS-C 250-3	120	50	80	21	28	M16	30	-	1
KFD 250 <sup>2)</sup> ; KFD 315 <sup>2)</sup> ; KFD-AF 250; KFD-AF 315; KFD-EC 250; KFD-EC 315; KFH 250; KFH 315; KFH-F 250; KFH-F 315; KFH-G 250; KFH-G 315; KFH-NC 250; KFH-NC 315; KFL 315; KFL 400; SPD 300; SPO 300	<b>17 0001 1730</b>	MKS-C 250-2	95	50	60	21	28	M16	15	-	1
	<b>17 0000 6980</b>	MTS-C 250-1	120	50	50	21	28	M16	20	4	2
	<b>17 0000 5240</b>	MKS-C 250-3	120	50	80	21	28	M16	30	-	1
	<b>17 0000 5460</b>	MTS-C 315-1	140	50	50	21	28	M16	30	4	2
KFA 250 <sup>3)</sup> ; KFD-G 250 <sup>3)</sup>	<b>17 0000 0090</b>	2MKS-C 250-1	110	80	80	25,5	35	M20	20	-	1
KFA 315 <sup>3)</sup> ; KFD-G 315 <sup>3)</sup>	<b>17 0000 0670</b>	2MKS-C 315-1	125	80	80	25,5	35	M20	28	-	1
KFD-G 400 <sup>3)</sup>	<b>17 0000 0680</b>	2MKS-C 400-1	150	80	80	25,5	35	M20	28	-	1

# Weiche Aufsatzbacken

Verzahnung 90°

## Soft top jaws

Serration 90°

Futtertyp/Chuck type Verzahnung 3/32"x90° / Serration 3/32"x90°	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
KFD 400; KFD 500; KFD 630; KFD 800; KFD-EC 400; KFD-HE 400; KFD-HF 400 <sup>7)</sup> ; KFD-HF 500 <sup>7)</sup> ; KFD-HF 630 <sup>7)</sup> ; KFD-HS 400 <sup>7)</sup> ; KFD-HS 500 <sup>7)</sup> ; KFH 400; KFH 500; KFH-F 400; KFH-F 500; KFH-G 400; KFH-G 500; KFH-NC 400; KFH-NC 500; KFL 500; KFL 600; LVE 400-165; LVE 400-165 ES; LVE 420-140; LVE 470-140 ES; LVE 480-185; LVE 490-185 ES; LVE 500-230; LVE 500-230 ES; LVE 540-205; LVE 570-205 ES; LVE 570-230; LVE 570-230 ES; LVE 600-275; LVE 610-275 ES; LVE 630-310; LVE 630-310 ES; LVE 800-410; LVE 800-410 ES; LVE 1000-535; LVE 1000-535 ES	<b>17 0000 7000</b>	MKS-C 400-1	140	60	80	25,5	35	M20	30	-	1
	<b>17 0000 7010</b>	MKS-C 400-2	155	60	90	25,5	35	M20	30	-	1

- 1) auch mit 1,5mm x 60° Verzahnung erhältlich
- 2) auch mit Kreuzversatz erhältlich
- 3) Zweibackenfutter
- 7) Bitte überprüfen Sie die Anschlussmaße

- 1) Chuck is also available with serration 1,5mm x 60°
- 2) Chuck is also available with tongue/groove connection
- 3) 2-jaw chuck
- 7) Please check the connecting dimensions

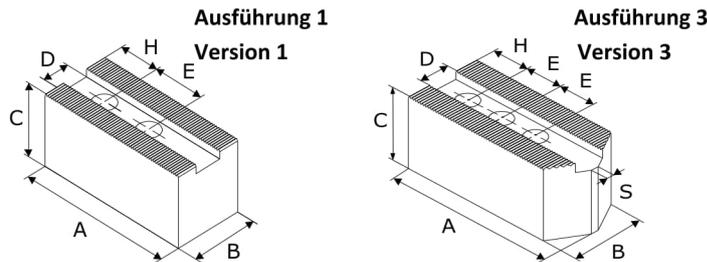
# Weiche Aufsatzbacken

## Soft top jaws

Verzahnung 90°

Serration 90°

Aluminium / Aluminum



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
KFD 110 <sup>2)</sup> ; KFD 125 <sup>2)</sup> ; KFD 140 <sup>2)</sup> ; KFD-HS 125 <sup>7)</sup> ; KFD-HS 130; KFD-HS 140 <sup>7)</sup>	<b>17 0000 7020</b>	MTA-C 130-1	53	25	45	10	12	M6	9	3	3
KFD 130 <sup>2)</sup> ; KFH 140; LVE 125	<b>17 0001 1240</b>	MKA-C 125-1	55	30	40	12	16	M8	10	-	1
KFD-HE 170 <sup>1)</sup> ; KFD-HS 160 <sup>2)</sup> ; KFD-HS 175; LVE 160; SSH 160; SSP 160	<b>17 0000 7030</b>	MKA-C 160-1	70	30	55	12	15	M8	9	-	1
KFD 160 <sup>2)</sup> ; KFD-AF 160; KFD-HF 160; KFH 160; KFH-F 160; KFH-G 160; KFH-NC 160; SPD 160; SPO 160	<b>17 0000 6270</b>	MKA-C 165-1	70	40	60	17	22	M12	15	-	1
DURO-NCGB 200; DURO-NCSE-B 210	<b>17 0000 7040</b>	MKA-C 200-1	90	40	60	17	19	M12	12	-	1
KFD-HF 200 <sup>7)</sup> ; KFD-HS 200 <sup>2),7)</sup> ; KFD-HS 250 <sup>2),7)</sup> ; LVE 200 <sup>7)</sup> ; SSH 200 <sup>7)</sup> ; SSP 200 <sup>7)</sup>	<b>17 0000 7040</b>	MKA-C 200-1	90	40	60	17	19	M12	12	-	1
KFD 200 <sup>2)</sup> ; KFD-AF 200; KFD-EC 200; KFD-HE 210 <sup>1)</sup> ; KFH 200; KFH-F 200; KFH-G 200; KFH-NC 200; KFL 250; SPD 215; SPO 215	<b>17 0000 6280</b>	MKA-C 200-2	90	40	60	17	22	M12	25	-	1
KFD 250 <sup>2)</sup> ; KFD 315 <sup>2)</sup> ; KFD-AF 250; KFD-AF 315; KFD-EC 250; KFD-EC 315; KFD-HE 254 <sup>1),7)</sup> ; KFD-HE 315-91 <sup>1),7)</sup> ; KFD-HE 315-121 <sup>1),7)</sup> ; KFD-HF 250 <sup>7)</sup> ; KFD-HF 315 <sup>7)</sup> ; KFD-HS 315-86 <sup>7)</sup> ; KFD-HS 315-108 <sup>7)</sup> ; KFH 250; KFH 315; KFH-F 250; KFH-F 315; KFH-G 250; KFH-G 315; KFH-NC 250; KFH-NC 315; KFL 315; KFL 400; LVE 250 <sup>7)</sup> ; LVE 315 <sup>7)</sup> ; SPD 300; SPO 300; SSH 250 <sup>7)</sup> ; SSH 315 <sup>7)</sup> ; SSP 250 <sup>7)</sup> ; SSP 315 <sup>7)</sup>	<b>17 0000 6290</b>	MKA-C 250-1	125	50	80	21	28	M16	30	-	1
<b>Verzahnung 3/32"x90° / Serration 3/32"x90°</b>											
KFD 400; KFD 500; KFD 630; KFD 800; KFD-EC 400; KFD-HE 400; KFD-HF 400 <sup>7)</sup> ; KFD-HF 500 <sup>7)</sup> ; KFD-HF 630 <sup>7)</sup> ; KFD-HS 400 <sup>7)</sup> ; KFD-HS 500 <sup>7)</sup> ; KFH 400; KFH 500; KFH-F 400; KFH-F 500; KFH-G 400; KFH-G 500; KFH-NC 400; KFH-NC 500; KFL 500; KFL 600; LVE 400-165; LVE 400-165 ES; LVE 420-140; LVE 470-140 ES; LVE 480-185; LVE 490-185 ES; LVE 500-230; LVE 500-230 ES; LVE 540-205; LVE 570-205 ES; LVE 570-230; LVE 570-230 ES; LVE 600-275; LVE 610-275 ES; LVE 630-310; LVE 630-310 ES; LVE 800-410; LVE 800-410 ES; LVE 1000-535; LVE 1000-535 ES	<b>17 0000 7050</b>	MKA-C 400-1	155	60	100	25,5	35	M20	30	-	1

- 1) auch mit 1,5mm x 60° Verzahnung erhältlich
- 2) auch mit Kreuzversatz erhältlich
- 7) Bitte überprüfen Sie die Anschlussmaße

- 1) Chuck is also available with serration 1,5mm x 60°
- 2) Chuck is also available with tongue/groove connection
- 7) Please check the connecting dimensions

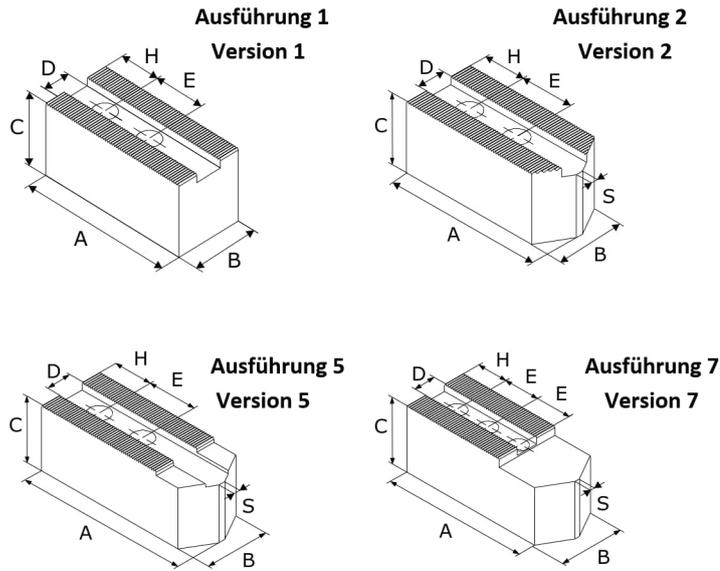
# Weiche Aufsatzbacken

## Soft top jaws

Verzahnung 60°

Serration 60°

Stahl/Steel C45



Futtertyp/Chuck type Verzahnung 1.5mm x 60° / Serration 1.5mm x 60°	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
KFD-HE 110; KFD-HE 130 <sup>9)</sup> ; KFN 105	<b>17 0000 7060</b>	MTS-M 110-1	55	25	32	10	14	M8	13	4	2
	<b>17 0000 4010</b>	MTS-M 110-3	55	22	47	10	14	M8	13	4	2
KFM 130; KFN 130	<b>17 0001 1500</b>	MKS-M 130-1	55	26	30	11	15	M8	10	-	1
KFE 170; KFG 160; KFM 160; KFN 160	<b>17 0001 1510</b>	MKS-M 160-1	67	30	55,5	11	20	M8	17	-	1
	<b>17 0001 1520</b>	MTS-M 160-1	77	35	40	11	18	M8	10	3	7
KFD-HE 170 <sup>9)</sup>	<b>17 0000 7810</b>	MKS-M 165-1	72	32	32	12	20	M10	15	-	1
	<b>17 0001 1630</b>	MKS-M 165-2	72	35	60	12	20	M10	15	-	1
	<b>17 0000 0840</b>	MTS-M 165-3	75	30	30	12	20	M10	15	13	2
	<b>17 0000 0850</b>	MTS-M 165-4	81	30	30	12	20	M10	15	13	2
	<b>17 0000 7820</b>	MTS-M 165-1	82	32	32	12	20	M10	15	4	5
	<b>17 0001 1760</b>	MTS-M 165-2	82	35	60	12	20	M10	15	4	5
KFD-HE 210 <sup>9)</sup>	<b>17 0000 0860</b>	MTS-M 210-4	95	35	35	14	25	M12	20	15	2
	<b>17 0000 7830</b>	MKS-M 210-1	95	35	40	14	25	M12	24	-	1
	<b>17 0001 1640</b>	MKS-M 210-2	95	35	60	14	25	M12	24	-	1
	<b>17 0001 1650</b>	MKS-M 210-3	95	40	80	14	25	M12	24	-	1
	<b>17 0000 4750</b>	MKS-M 210-4	95	40	100	14	25	M12	24	-	1
	<b>17 0000 7840</b>	MTS-M 210-1	102	35	40	14	25	M12	20	4	5
	<b>17 0000 0880</b>	MTS-M 210-5	102	35	40	14	25	M12	20	15	2
	<b>17 0000 4760</b>	MTS-M 210-2	102	40	80	14	25	M12	20	4	5
	<b>17 0000 4770</b>	MTS-M 210-3	102	40	100	14	25	M12	20	4	5
KFE 215; KFG 215; KFM 215; KFN 215	<b>17 0001 1530</b>	MKS-M 215-1	89	35	60	14	26	M10	18	-	1
	<b>17 0001 1540</b>	MTS-M 215-1	102	40	42	14	22	M10	16	3	7

## Weiche Aufsatzbacken

Verzahnung 60°

## Soft top jaws

Serration 60°

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben	H	S	Ausführung
								Screws			Version
KFD-HE 254 <sup>9)</sup>	<b>17 0000 7080</b>	MKS-M 250-6	90	40	60	16	30	M12	15	-	1
	<b>17 0000 7090</b>	MKS-M 250-7	90	50	80	16	30	M12	15	-	1
	<b>17 0000 0890</b>	MTS-M 250-4	110	40	40	16	30	M12	20	17	2
	<b>17 0000 7850</b>	MKS-M 250-1	110	40	42	16	30	M12	30	-	1
	<b>17 0000 7860</b>	MKS-M 250-2	110	40	60	16	30	M12	30	-	1
	<b>17 0000 1200</b>	MTS-M 250-5	110	40	60	16	30	M12	20	17	2
	<b>17 0001 1660</b>	MKS-M 250-3	110	40	80	16	30	M12	30	-	1
	<b>17 0001 1670</b>	MKS-M 250-4	120	40	100	16	30	M12	30	-	1
	<b>17 0000 1230</b>	MKS-M 250-5	120	40	120	16	30	M12	30	-	1
	<b>17 0000 7100</b>	MKS-M 250-8	120	50	50	16	30	M12	30	-	1
	<b>17 0001 1600</b>	MTS-M 250-1	125	40	42	16	30	M12	30	4	5
	<b>17 0001 1710</b>	MTS-M 250-2	125	40	60	16	30	M12	30	4	5
	<b>17 0000 7070</b>	MTS-M 250-3	125	40	100	16	30	M12	30	4	5
KFE 280; KFG 280; KFM 280; KFN 250; KFN 280	<b>17 0001 1550</b>	MKS-M 280-1	90	50	80	20	26	M12	19	-	1
	<b>17 0001 1560</b>	MTS-M 280-1	130	50	50	20	29,5	M12	19	3	7
KFD-HE 315-91 <sup>9)</sup> ; KFD-HE 315-121 <sup>9)</sup>	<b>17 0001 1610</b>	MKS-M 300-4	129	50	60	21	30	M16	39	-	1
	<b>17 0001 1680</b>	MKS-M 300-5	129	50	80	21	30	M16	39	-	1
	<b>17 0000 1250</b>	MKS-M 300-6	129	50	100	21	30	M16	25	-	1
	<b>17 0000 1260</b>	MKS-M 300-7	129	50	120	21	30	M16	25	-	1
	<b>17 0000 7160</b>	MKS-M 300-9	140	50	100	21	30	M16	30	-	1
	<b>17 0001 1620</b>	MTS-M 300-5	145	50	50	21	30	M16	30	10	5
<b>17 0000 7170</b>	MTS-M 300-6	145	50	100	21	30	M16	30	10	5	
KFE 350; KFG 350; KFM 350; KFN 350	<b>17 0001 1570</b>	MKS-M 350-1	120	50	80	21	28	M16	25	-	1

9) auch mit 1/16" x 90° Verzahnung erhältlich

9) Chuck is also available with serration 1/16 x 90°

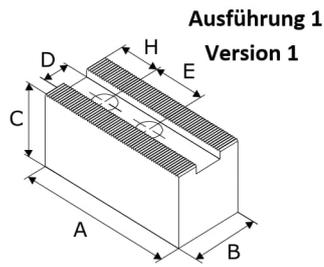
# Weiche Aufsatzbacken

Soft top jaws

Verzahnung 60°

Serration 60°

Aluminium / Aluminum



Futtertyp/Chuck type Verzahnung 1.5mm x 60° / Serration 1.5mm x 60°	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
KFD-HE 170 <sup>9)</sup>	<b>17 0000 7310</b>	MKA-M 165-1	72	35	50	12	20	M10	15	-	1
KFD-HE 210 <sup>9)</sup>	<b>17 0000 7320</b>	MKA-M 210-1	90	40	60	14	25	M12	20	-	1
KFD-HE 254 <sup>9)</sup>	<b>17 0000 7330</b>	MKA-M 250-1	110	40	60	16	30	M12	25	-	1
KFD-HE 315-91 <sup>9)</sup> ; KFD-HE 315-121 <sup>9)</sup>	<b>17 0000 7350</b>	MKA-M 300-2	130	50	80	21	30	M16	40	-	1

9) auch mit 1/16" x 90° Verzahnung erhältlich

9) Chuck is also available with serration 1/16 x 90°

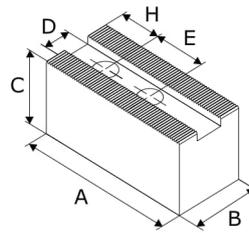
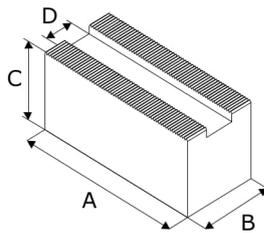
# Weiche Aufsatzbacken gebohrt oder ungebohrt

Soft jaw blanks, without or with bolt holes

Verzahnung 90°

Serration 90°

Stahl / Steel C45



**Ungebohrt**

Without bolt holes

**Geböhrt**

With bolt holes

**Futtertyp / Chuck type**

Verzahnung 1/16"x90° / Serration 1/16"x90°

	Index / Id.-No	Typ/Type	Index / Id.-No	Typ/Type	A	B	C	D
DURO-NCGB 200; DURO-NCSE-B 210; KFD 160 <sup>2)</sup> ; KFD 200 <sup>2)</sup> ; KFD-AF 160; KFD-AF 200; KFD-EC 200; KFD-HE 210 <sup>1)</sup> ; KFD-HF 160; KFD-HF 200 <sup>7)</sup> ; KFD-HS 200 <sup>2)</sup> , <sup>7)</sup> ; KFD-HS 250 <sup>2)</sup> , <sup>7)</sup> ; KFH 160; KFH 200; KFH-F 160; KFH-F 200; KFH-G 160; KFH-G 200; KFH-NC 160; KFH-NC 200; KFL 250; LVE 200 <sup>7)</sup> ; SPD 160; SPD 215; SPO 160; SPO 215; SSH 200 <sup>7)</sup> ; SSP 200 <sup>7)</sup>	<b>17 0000 4810</b>	MBS-C 200-1	<b>17 0000 4811</b>	MWS-C 200-1	70	40	40	17
	<b>17 0000 4820</b>	MBS-C 200-2	<b>17 0000 4821</b>	MWS-C 200-2	70	40	60	17
	<b>17 0000 4830</b>	MBS-C 200-3	<b>17 0000 4831</b>	MWS-C 200-3	90	40	40	17
	<b>17 0000 4840</b>	MBS-C 200-4	<b>17 0000 4841</b>	MWS-C 200-4	90	40	60	17
	<b>17 0000 4850</b>	MBS-C 200-5	<b>17 0000 4851</b>	MWS-C 200-5	90	40	80	17
	<b>17 0000 4860</b>	MBS-C 200-6	<b>17 0000 4861</b>	MWS-C 200-6	90	40	100	17
	<b>17 0000 4870</b>	MBS-C 200-7	<b>17 0000 4871</b>	MWS-C 200-7	90	40	120	17
	<b>17 0000 4880</b>	MBS-C 200-8	<b>17 0000 4881</b>	MWS-C 200-8	105	40	40	17
	<b>17 0000 4890</b>	MBS-C 200-9	<b>17 0000 4891</b>	MWS-C 200-9	105	40	60	17
DURO-NCGB 250; DURO-NCGB 315; DURO-NCSE-B 265; DURO-NCSE-B 315; KFA 200 <sup>3)</sup> ; KFD 250 <sup>2)</sup> ; KFD 315 <sup>2)</sup> ; KFD-AF 250; KFD-AF 315; KFD-EC 250; KFD-EC 315; KFD-G 200 <sup>3)</sup> ; KFD-HE 254 <sup>1)</sup> , <sup>7)</sup> ; KFD-HE 315-91 <sup>1)</sup> , <sup>7)</sup> ; KFD-HE 315-121 <sup>1)</sup> , <sup>7)</sup> ; KFD-HF 250 <sup>7)</sup> ; KFD-HF 315 <sup>7)</sup> ; KFD-HS 315-86 <sup>7)</sup> ; KFD-HS 315-108 <sup>7)</sup> ; KFH 250; KFH 315; KFH-F 250; KFH-F 315; KFH-G 250; KFH-G 315; KFH-NC 250; KFH-NC 315; KFL 315; KFL 400; LVE 250 <sup>7)</sup> ; LVE 315 <sup>7)</sup> ; SPD 300; SPO 300; SSH 250 <sup>7)</sup> ; SSH 315 <sup>7)</sup> ; SSP 250 <sup>7)</sup> ; SSP 315 <sup>7)</sup>	<b>17 0000 4900</b>	MBS-C 250-1	<b>17 0000 4901</b>	MWS-C 250-1	90	45	45	21
	<b>17 0000 4910</b>	MBS-C 250-2	<b>17 0000 4911</b>	MWS-C 250-2	90	45	80	21
	<b>17 0000 4920</b>	MBS-C 250-3	<b>17 0000 4921</b>	MWS-C 250-3	110	45	45	21
	<b>17 0000 4930</b>	MBS-C 250-4	<b>17 0000 4931</b>	MWS-C 250-4	110	45	80	21
	<b>17 0000 4940</b>	MBS-C 250-5	<b>17 0000 4941</b>	MWS-C 250-5	125	50	50	21
	<b>17 0000 4950</b>	MBS-C 250-6	<b>17 0000 4951</b>	MWS-C 250-6	125	50	80	21
	<b>17 0000 4960</b>	MBS-C 250-7	<b>17 0000 4961</b>	MWS-C 250-7	125	50	100	21
	<b>17 0000 4970</b>	MBS-C 250-8	<b>17 0000 4971</b>	MWS-C 250-8	125	50	120	21
	<b>17 0000 4980</b>	MBS-C 250-9	<b>17 0000 4981</b>	MWS-C 250-9	140	50	60	21
	<b>17 0000 4990</b>	MBS-C 250-10	<b>17 0000 4991</b>	MWS-C 250-10	140	50	80	21

1) auch mit 1,5mm x 60° Verzahnung erhältlich

2) auch mit Kreuzversatz erhältlich

3) Zweibackenfutter

7) Bitte überprüfen Sie die Anschlussmaße

1) Chuck is also available with serration 1,5mm x 60°

2) Chuck is also available with tongue/groove connection

3) 2-jaw chuck

7) Please check the connecting dimensions

Für gebohrte Backenrohlinge geben Sie bitte die Maße H und E an

For jaws with bolt holes please indicate H and E dimensions

Nutbreite 17 mm

Bohrung für M12

Mindestwert:

H = 12 mm, E = 16 mm

Nutbreite 21 mm

Bohrung für M16

Mindestwert:

H = 12 mm, E = 19 mm

Slot width 17 mm

bored for M12

Minimum values:

H = 12 mm, E = 16 mm

Slot width 21 mm

bored for M16

Minimum values:

H = 12 mm, E = 19 mm

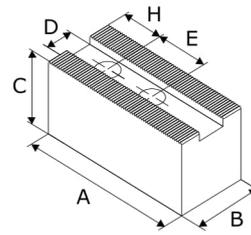
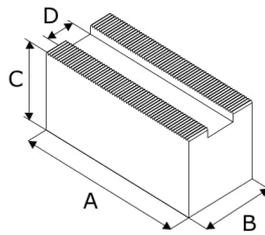
# Weiche Aufsatzbacken gebohrt oder ungebohrt

Soft jaw blanks, without or with bolt holes

Verzahnung 60°

Serration 60°

Stahl / Steel C45



**Ungebohrt**

**Gebohrt**

Without bolt holes

With bolt holes

Futtertyp / Chuck type

Index / Id.-No

Typ/Type

Index / Id.-No

Typ/Type

A

B

C

D

Verzahnung 1,5mm x60° / Serration 1,5mm x60°

KFD-HE 170 <sup>9)</sup>	<b>17 0000 6550</b>	MBS-M 165-1	<b>17 0000 6551</b>	MWS-M 165-1	81	30	60	12
KFD-HE 210 <sup>9)</sup>	<b>17 0000 5000</b>	MBS-M 210-1	<b>17 0000 5001</b>	MWS-M 210-1	95	35	35	14
	<b>17 0000 5010</b>	MBS-M 210-2	<b>17 0000 5011</b>	MWS-M 210-2	95	40	60	14
	<b>17 0000 5020</b>	MBS-M 210-3	<b>17 0000 5021</b>	MWS-M 210-3	95	40	80	14
	<b>17 0000 5030</b>	MBS-M 210-4	<b>17 0000 5031</b>	MWS-M 210-4	95	40	100	14
	<b>17 0000 5040</b>	MBS-M 210-5	<b>17 0000 5041</b>	MWS-M 210-5	102	40	80	14
	<b>17 0000 5050</b>	MBS-M 210-6	<b>17 0000 5051</b>	MWS-M 210-6	102	40	100	14
KFD-HE 254 <sup>9)</sup>	<b>17 0000 5060</b>	MBS-M 250-1	<b>17 0000 5061</b>	MWS-M 250-1	110	40	40	16
	<b>17 0000 5070</b>	MBS-M 250-2	<b>17 0000 5071</b>	MWS-M 250-2	110	40	60	16
	<b>17 0000 5080</b>	MBS-M 250-3	<b>17 0000 5081</b>	MWS-M 250-3	110	40	80	16
	<b>17 0000 5090</b>	MBS-M 250-4	<b>17 0000 5091</b>	MWS-M 250-4	110	40	100	16
	<b>17 0000 5100</b>	MBS-M 250-5	<b>17 0000 5101</b>	MWS-M 250-5	129	40	60	16
KFD-HE 315-91 <sup>9)</sup> ; KFD-HE 315-121 <sup>9)</sup>	<b>17 0000 5110</b>	MBS-M 300-1	<b>17 0000 5111</b>	MWS-M 300-1	129	50	80	21
	<b>17 0000 5120</b>	MBS-M 300-2	<b>17 0000 5121</b>	MWS-M 300-2	129	50	100	21
	<b>17 0000 5130</b>	MBS-M 300-3	<b>17 0000 5131</b>	MWS-M 300-3	129	50	120	21

9) auch mit 1/16" x 90° Verzahnung erhältlich

9) Chuck is also available with serration 1/16 x 90°

Für gebohrte Backenrohlinge geben Sie bitte die Maße H und E an

For jaws with bolt holes please indicate H and E dimensions

Nutbreite 12 mm  
Bohrung für M10  
Mindestwert:  
H = 8 mm, E = 14 mm

Nutbreite 14 mm  
Bohrung für M12  
Mindestwert:  
H = 12 mm, E = 16 mm

Slot width 12 mm  
bored for M10  
Minimum values:  
H = 8 mm, E = 14 mm

Slot width 14 mm  
bored for M12  
Minimum values:  
H = 12 mm, E = 16 mm

Nutbreite 16 mm  
Bohrung für M12  
Mindestwert:  
H = 12 mm, E = 19 mm

Nutbreite 21 mm  
Bohrung für M16  
Mindestwert:  
H = 12 mm, E = 19 mm

Slot width 16 mm  
bored for M12  
Minimum values:  
H = 12 mm, E = 19 mm

Slot width 21 mm  
bored for M16  
Minimum values:  
H = 12 mm, E = 19 mm

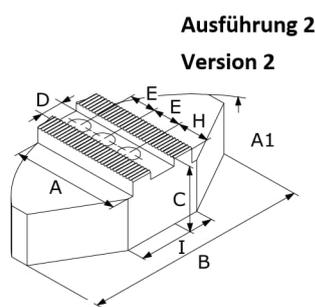
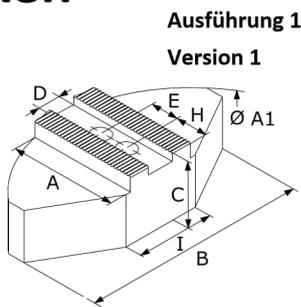
# Segmentbacken

## Soft full grip jaws

Verzahnung 90°

Serration 90°

Stahl / Steel C45



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	I	A1	Ausführung Version
KFD 125 <sup>2)</sup> ; KFD 140 <sup>2)</sup> ; KFD-HS 125 <sup>7)</sup> ; KFD-HS 130; KFD-HS 140 <sup>2)</sup>	<b>17 0000 7370</b>	GPS-C 130-1	50	100	40	10	12	M6	15	35	130	2
KFD-HE 170 <sup>1)</sup> ; KFD-HS 160 <sup>2)</sup> ; KFD-HS 175; LVE 160; SSH 160; SSP 160	<b>17 0000 7380</b>	GPS-C 160-1	60	120	60	12	15	M8	20	40	160	2
KFD 160 <sup>2)</sup> ; KFD-AF 160; KFD-HF 160; KFH 160; KFH-F 160; KFH-G 160; KFH-NC 160; SPD 160; SPO 160	<b>17 0000 6590</b>	GPS-C 165-1	60	120	60	17	22	M12	25	40	160	1
DURO-NCGB 200; DURO-NCSE-B 210	<b>17 0000 7400</b>	GPS-C 200-3	70	140	60	17	19	M12	36	50	200	1
KFD 200 <sup>2)</sup> ; KFD-AF 200; KFD-EC 200; KFD-HE 210 <sup>1)</sup> ; KFD-HF 200 <sup>7)</sup> ; KFD-HS 200 <sup>2),7)</sup> ; KFH 200; KFH-F 200; KFH-G 200; KFH-NC 200; LVE 200 <sup>7)</sup> ; SPD 215; SPO 215; SSH 200 <sup>7)</sup> ; SSP 200 <sup>7)</sup>	<b>17 0000 1300</b>	GPS-C 200-1	70	140	60	17	22	M12	35	64	200	1
	<b>17 0000 6560</b>	GPS-C 200-2	70	140	75	17	22	M12	35	64	200	1
KFD-HS 250 <sup>2),7)</sup> ; KFL 250	<b>17 0000 7390</b>	GPS-C 250-1	79	180	60	17	22	M12	44,5	104	250	1
KFD 250 <sup>2)</sup> ; KFD-AF 250; KFD-EC 250; KFD-HE 254 <sup>1),7)</sup> ; KFD-HF 250 <sup>7)</sup> ; KFH 250; KFH-F 250; KFH-G 250; KFH-NC 250; LVE 250 <sup>7)</sup> ; SSH 250 <sup>7)</sup> ; SSP 250 <sup>7)</sup>	<b>17 0000 1310</b>	GPS-C 250-2	80	180	70	21	28	M16	30	104	250	1
	<b>17 0000 6570</b>	GPS-C 250-3	80	180	100	21	28	M16	30	104	250	1
KFD 315 <sup>2)</sup> ; KFD-AF 315; KFD-EC 315; KFD-HE 315-121 <sup>1),7)</sup> ; KFD-HE 315-91 <sup>1),7)</sup> ; KFD-HF 315 <sup>7)</sup> ; KFD-HS 315-108 <sup>7)</sup> ; KFD-HS 315-86 <sup>7)</sup> ; KFH 315; KFH-F 315; KFH-G 315; KFH-NC 315; KFL 315; KFL 400; LVE 315 <sup>7)</sup> ; SPD 300; SPO 300; SSH 315 <sup>7)</sup> ; SSP 315 <sup>7)</sup>	<b>17 0000 1320</b>	GPS-C 315-1	110	240	70	21	28	M16	60	120	320	1
<b>Verzahnung 3/32" x 90° / Serration 3/32" x 90°</b>												
KFD 400; KFD 500; KFD 630; KFD 800; KFD-EC 400; KFD-HE 400; KFD-HF 400 <sup>7)</sup> ; KFD-HF 500 <sup>7)</sup> ; KFD-HF 630 <sup>7)</sup> ; KFD-HS 400 <sup>7)</sup> ; KFD-HS 500 <sup>7)</sup> ; KFH 400; KFH 500; KFH-F 400; KFH-F 500; KFH-G 400; KFH-G 500; KFH-NC 400; KFH-NC 500; KFL 500; KFL 600; LVE 400-165; LVE 400-165 ES; LVE 420-140; LVE 470-140 ES; LVE 480-185; LVE 490-185 ES; LVE 500-230; LVE 500-230 ES; LVE 540-205; LVE 570-205 ES; LVE 570-230; LVE 570-230 ES; LVE 600-275; LVE 610-275 ES; LVE 630-310; LVE 630-310 ES; LVE 800-410; LVE 800-410 ES; LVE 1000-535; LVE 1000-535 ES	<b>17 0001 1690</b>	GPS-C 400-1	155	330	85	25,5	35	M20	85	150	440	1

1) auch mit 1,5mm x 60° Verzahnung erhältlich

2) auch mit Kreuzversatz erhältlich

7) Bitte überprüfen Sie die Anschlussmaße

1) Chuck is also available with serration 1,5mm x 60°

2) Chuck is also available with tongue/groove connection

7) Please check the connecting dimensions

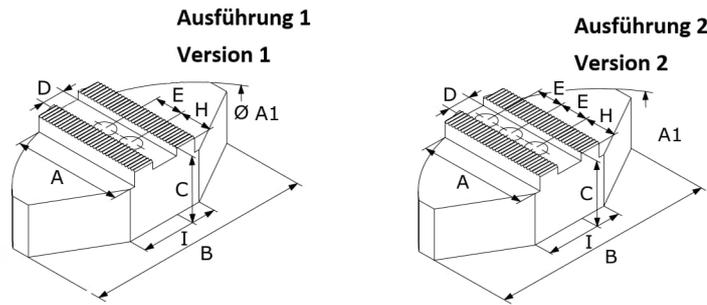
# Segmentbacken

Soft full grip jaws

Verzahnung 90°

Serration 90°

Aluminium / Aluminum



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	I	A1	Ausführung Version
Verzahnung 1/16" x 90° / Serration 1/16" x 90°												
KFD 125 <sup>2)</sup> ; KFD 140 <sup>2)</sup> ; KFD-HS 125 <sup>7)</sup> ; KFD-HS 130; KFD-HS 140 <sup>2)</sup>	<b>17 0000 7410</b>	GPA-C 130-1	50	100	48	10	12	M6	15	35	130	2
KFD-HE 170 <sup>1)</sup> ; KFD-HS 160 <sup>2)</sup> ; KFD-HS 175; LVE 160; SSH 160; SSP 160	<b>17 0000 7420</b>	GPA-C 160-1	59,5	120	58	12	15	M8	20	40	165	2
KFD 160 <sup>2)</sup> ; KFD-AF 160; KFD-HF 160; KFH 160; KFH-F 160; KFH-G 160; KFH-NC 160; SPD 160; SPO 160	<b>17 0000 6310</b>	GPA-C 165-1	59,5	120	58	17	22	M12	22	40	165	1
DURO-NCGB 200; DURO-NCSE-B 210	<b>17 0000 7430</b>	GPA-C 200-3	72,5	140	58	17	19	M12	41	50	200	1
KFD 200 <sup>2)</sup> ; KFD-AF 200; KFD-EC 200; KFD-HE 210 <sup>1)</sup> ; KFD-HF 200 <sup>7)</sup> ; KFD-HS 200 <sup>2)</sup> ; KFD-HS 250 <sup>2)</sup> ; KFH 200; KFH-F 200; KFH-G 200; KFH-NC 200; KFL 250; LVE 200 <sup>7)</sup> ; SPD 215; SPO 215; SSH 200 <sup>7)</sup> ; SSP 200 <sup>7)</sup>	<b>17 0000 6320</b>	GPA-C 200-1	72,5	140	58	17	22	M12	35	50	200	1
	<b>17 0000 6330</b>	GPA-C 200-2	72,5	140	75	17	22	M12	35	50	200	1
KFD 250 <sup>2)</sup> ; KFD-AF 250; KFD-EC 250; KFD-HE 254 <sup>1)</sup> ; KFD-HF 250 <sup>7)</sup> ; KFH 250; KFH-F 250; KFH-G 250; KFH-NC 250; LVE 250 <sup>7)</sup> ; SSH 250 <sup>7)</sup> ; SSP 250 <sup>7)</sup>	<b>17 0000 6340</b>	GPA-C 250-1	87,5	180	78	21	28	M16	40	70	250	1
	<b>17 0000 6350</b>	GPA-C 250-2	87,5	180	100	21	28	M16	40	70	250	1
KFD 315 <sup>2)</sup> ; KFD-AF 315; KFD-EC 315; KFD-HE 315-121 <sup>1)</sup> ; KFD-HE 315-91 <sup>1)</sup> ; KFD-HF 315 <sup>7)</sup> ; KFD-HS 315-108 <sup>7)</sup> ; KFD-HS 315-86 <sup>7)</sup> ; KFH 315; KFH-F 315; KFH-G 315; KFH-NC 315; KFL 315; KFL 400; LVE 315 <sup>7)</sup> ; SPD 300; SPO 300; SSH 315 <sup>7)</sup> ; SSP 315 <sup>7)</sup>	<b>17 0000 6360</b>	GPA-C 315-1	117	240	78	21	28	M16	70	80	320	1
Verzahnung 3/32" x 90° / Serration 3/32" x 90°												
KFD 400; KFD 500; KFD 630; KFD 800; KFD-EC 400; KFD-HE 400; KFD-HF 400 <sup>7)</sup> ; KFD-HF 500 <sup>7)</sup> ; KFD-HF 630 <sup>7)</sup> ; KFD-HS 400 <sup>7)</sup> ; KFD-HS 500 <sup>7)</sup> ; KFH 400; KFH 500; KFH-F 400; KFH-F 500; KFH-G 400; KFH-G 500; KFH-NC 400; KFH-NC 500; KFL 500; KFL 600; LVE 400-165; LVE 400-165 ES; LVE 420-140; LVE 470-140 ES; LVE 480-185; LVE 490-185 ES; LVE 500-230; LVE 500-230 ES; LVE 540-205; LVE 570-205 ES; LVE 570-230; LVE 570-230 ES; LVE 600-275; LVE 610-275 ES; LVE 630-310; LVE 630-310 ES; LVE 800-410; LVE 800-410 ES; LVE 1000-535; LVE 1000-535 ES	<b>17 0001 1770</b>	GPA-C 400-1	160	330	98	25,5	35	M20	85	150	440	1

- 1) auch mit 1,5mm x 60° Verzahnung erhältlich
- 2) auch mit Kreuzversatz erhältlich
- 7) Bitte überprüfen Sie die Anschlussmaße

- 1) Chuck is also available with serration 1,5mm x 60°
- 2) Chuck is also available with tongue/groove connection
- 7) Please check the connecting dimensions

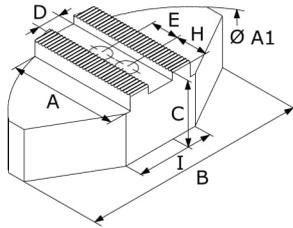
# Segmentbacken

Soft full grip jaws

Verzahnung 60°

Serration 60°

Stahl / Steel C45



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	I	A1	Ausführung Version
Verzahnung 1,5mm x 60° / Serration 1,5mm x 60°												
KFD-HE 170 <sup>9)</sup>	<b>17 0000 1380</b>	GPS-M 165-1	60	120	50	12	20	M10	25	50	160	1
KFD-HE 210 <sup>9)</sup>	<b>17 0000 1390</b>	GPS-M 210-1	70	140	60	14	25	M12	30	70	200	1
	<b>17 0000 6610</b>	GPS-M 210-2	70	140	80	14	25	M12	30	70	200	1
KFD-HE 254 <sup>9)</sup>	<b>17 0000 1400</b>	GPS-M 250-1	80	180	60	16	30	M12	30	100	250	1
	<b>17 0000 6620</b>	GPS-M 250-2	80	180	80	16	30	M12	30	100	250	1
KFD-HE 315-91 <sup>9)</sup> ; KFD-HE 315-121 <sup>9)</sup>	<b>17 0000 1410</b>	GPS-M 300-2	110	240	70	21	30	M16	45	120	300	1

9) auch mit 1/16" x 90° Verzahnung erhältlich

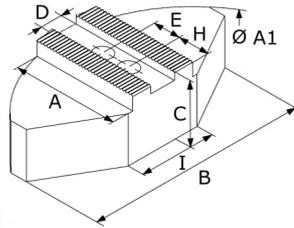
9) Chuck is also available with serration 1/16 x 90°

# Segmentbacken

Soft full grip jaws

Verzahnung 60°

Serration 60°



Aluminium / Aluminum

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	I	A1	Ausführung Version
Verzahnung 1,5mm x 60° / Serration 1,5mm x 60°												
KFD-HE 170 <sup>9)</sup>	<b>17 0000 6370</b>	GPA-M 165-1	59,5	120	58	12	20	M10	25	40	165	1
KFD-HE 210 <sup>9)</sup>	<b>17 0000 6380</b>	GPA-M 210-1	72,5	140	58	14	25	M12	35	50	200	1
	<b>17 0000 6390</b>	GPA-M 210-2	72,5	140	80	14	25	M12	35	50	200	1
KFD-HE 254 <sup>9)</sup>	<b>17 0000 6400</b>	GPA-M 250-1	87,5	180	58	16	30	M12	40	70	250	1
	<b>17 0000 6410</b>	GPA-M 250-2	87,5	180	80	16	30	M12	40	70	250	1
KFD-HE 315-91 <sup>9)</sup> ; KFD-HE 315-121 <sup>9)</sup>	<b>17 0000 6430</b>	GPA-M 300-2	117	240	78	21	30	M16	45	80	320	1

9) auch mit 1/16" x 90° Verzahnung erhältlich

9) Chuck is also available with serration 1/16 x 90°

# Harte Aufsatzbacken

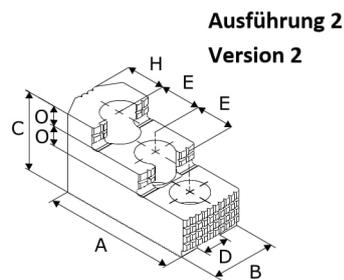
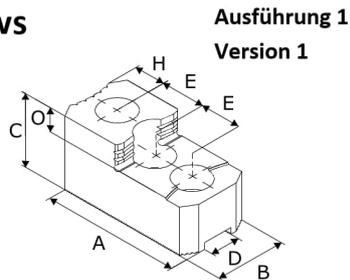
## Hard stepped top jaws

Verzahnung 90°

Serration 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



### Futtertyp / Chuck type

Index / Id.-No

Typ/Type

A

B

C

D

E

Schrauben  
Screws

H

O

Ausführung  
Version

Verzahnung 1/16"x90° / Serration 1/16"x90°

KFD 110 <sup>2)</sup> ; KFD 125 <sup>2)</sup> ; KFD 140 <sup>2)</sup> ; KFD-HS 125 <sup>7)</sup> ; KFD-HS 130; KFD-HS 140 <sup>2)</sup>	<b>17 0000 7450</b>	SGT-C 130-1	58	26	37,5	10	12	M6	11	10	2
KFD 130 <sup>2)</sup> ; KFD-HE 170 <sup>1)</sup> ; KFD-HS 160 <sup>2)</sup> ; KFD-HS 175; KFH 140; LVE 125; LVE 160; SSH 160; SSP 160	<b>17 0000 1460</b>	SGT-C 160-1	58	30	34	12	16	M8	13	8,5	2
KFD 160 <sup>2)</sup> ; KFD-AF 160; KFD-HF 160; KFH 160; KFH-F 160; KFH-G 160; KFH-NC 160; SPD 160; SPO 160	<b>17 0000 7460</b>	SGT-C 165-1	64,7	35	40	17	19	M12	28	10	2
	<b>17 0000 7470</b>	SGT-C 165-2	72,5	40	49	17	19	M12	18	12	2
DURO-NCGB 200; DURO-NCSE-B 210	<b>17 0000 7470</b>	SGT-C 165-2	72,5	40	49	17	19	M12	18	12	2
KFD 200 <sup>2)</sup> ; KFD-AF 200; KFD-EC 200; KFD-HE 210 <sup>1)</sup> ; KFD-HF 200 <sup>7)</sup> ; KFD-HS 200 <sup>2)</sup> ; KFD-HS 250 <sup>2)</sup> ; KFD-HS 250 <sup>2)</sup> ; KFD-HS 250 <sup>2)</sup> ; KFD-HS 250 <sup>2)</sup> ; KFH 200; KFH-F 200; KFH-G 200; KFH-NC 200; KFL 250; LVE 200 <sup>7)</sup> ; SPD 215; SPO 215; SSH 200 <sup>7)</sup> ; SSP 200 <sup>7)</sup>	<b>17 0000 1480</b>	SGT-C 200-1	83	40	46	17	23	M12	20	10,5	2
KFD 250 <sup>2)</sup> ; KFD-AF 250; KFD-EC 250; KFD-HE 254 <sup>1)</sup> ; KFD-HF 250 <sup>7)</sup> ; KFH 250; KFH-F 250; KFH-G 250; KFH-NC 250; LVE 250 <sup>7)</sup> ; SSH 250 <sup>7)</sup> ; SSP 250 <sup>7)</sup>	<b>17 0000 1490</b>	SGT-C 250-1	106	45	56	21	30	M16	27	13,5	2
KFD 315 <sup>2)</sup> ; KFD-AF 315; KFD-EC 315; KFD-HE 315-121 <sup>1)</sup> ; KFD-HE 315-91 <sup>1)</sup> ; KFD-HF 315 <sup>7)</sup> ; KFD-HS 315-108 <sup>7)</sup> ; KFD-HS 315-86 <sup>7)</sup> ; KFH 315; KFH-F 315; KFH-G 315; KFH-NC 315; KFL 315; KFL 400; LVE 315 <sup>7)</sup> ; SPD 300; SPO 300; SSH 315 <sup>7)</sup> ; SSP 315 <sup>7)</sup>	<b>17 0000 1500</b>	SGT-C 315-1	124	50	56	21	30	M16	45	13,5	2

Verzahnung 3/32"x90° / Serration 3/32"x90°

KFD 400; KFD 500; KFD 630; KFD 800; KFD-EC 400; KFD-HE 400; KFD-HF 400 <sup>7)</sup> ; KFD-HF 500 <sup>7)</sup> ; KFD-HF 630 <sup>7)</sup> ; KFD-HS 400 <sup>7)</sup> ; KFD-HS 500 <sup>7)</sup> ; KFH 400; KFH 500; KFH-F 400; KFH-F 500; KFH-G 400; KFH-G 500; KFH-NC 400; KFH-NC 500; KFL 500; KFL 600; LVE 400-165; LVE 400-165 ES; LVE 420-140; LVE 470-140 ES; LVE 480-185; LVE 490-185 ES; LVE 500-230; LVE 500-230 ES; LVE 540-205; LVE 570-205 ES; LVE 570-230; LVE 570-230 ES; LVE 600-275; LVE 610-275 ES; LVE 630-310; LVE 630-310 ES; LVE 800-410; LVE 800-410 ES; LVE 1000-535; LVE 1000-535 ES	<b>17 0000 1520</b>	SGT-C 400-1	141	60	75	25,5	38	M20	38	19	2
	<b>17 0000 1530</b>	SGT-C 600-1	146	74	74	25,5	38	M20	47	32	1

1) auch mit 1,5mm x 60° Verzahnung erhältlich

2) auch mit Kreuzversatz erhältlich

7) Bitte überprüfen Sie die Anschlussmaße

1) Chuck is also available with serration 1,5mm x 60°

2) Chuck is also available with tongue/groove connection

7) Please check the connecting dimensions

# Harte Aufsatzbacken

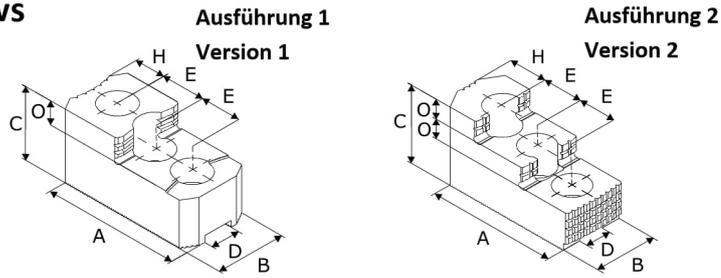
## Hard stepped top jaws

Verzahnung 60°

Serration 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp / Chuck type	Index / Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	O	Ausführung Version
Verzahnung 1,5mm x 60° / Serration 1,5mm x 60°											
KFD-HE 110; KFD-HE 130 <sup>9)</sup> ; KFN 105	<b>17 0000 4260</b>	SGT-M 110-1	53	23	28	10	14	M8	14	10	1
KFE 170; KFG 160; KFM 130; KFM 160; KFN 130; KFN 160	<b>17 0001 2210</b>	SGT-M 130-1	62	26	37,5	11	16,5	M8	17,5	10	2
KFD-HE 170 <sup>9)</sup>	<b>17 0000 1540</b>	SGT-M 165-1	67	31	36	12	20	M10	14	12	1
KFD-HE 210 <sup>9)</sup>	<b>17 0000 7510</b>	SGT-M 210-1	79	32	38	14	25	M12	16	12	1
	<b>17 0000 1550</b>	SGT-M 210-2	87	35	51	14	25	M12	20,5	12	2
KFE 215; KFG 215; KFM 215; KFN 215	<b>17 0001 2220</b>	SGT-M 215-1	81	36	52,5	14	21	M10	25	12	2
KFD-HE 254 <sup>9)</sup>	<b>17 0000 1560</b>	SGT-M 250-1	101	40	54	16	30	M12	23	13	2
KFE 280; KFG 280; KFM 280; KFN 250; KFN 280	<b>17 0001 2230</b>	SGT-M 280-1	96	44,5	54	20	26	M12	30	12	2
KFD-HE 315-91 <sup>9)</sup> ; KFD-HE 315-121 <sup>9)</sup>	<b>17 0000 1570</b>	SGT-M 300-3	103	50	52	21	30	M16	22,5	17	1
	<b>17 0000 7530</b>	SGT-M 300-4	128	50	62	21	30	M16	46	14	2

9) auch mit 1/16" x 90° Verzahnung erhältlich

9) Chuck is also available with serration 1/16 x 90°

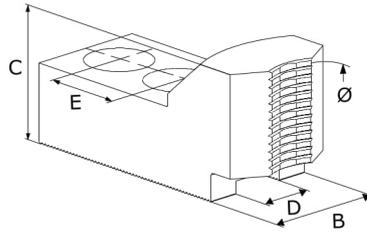
# Harte Spannbacken-Stangenspannung

## Hard jaws for bar clamping

Verzahnung 1/16"x90°

Serration 1/16"x90°

Stahl 16MnCr5, gehärtet  
Steel 16MnCr5, hardened



Futtertyp / Chuck type ab Ø 125mm / from Ø 125mm	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ	B	C	D	E	Schrauben Screws
KFD 130 <sup>2)</sup>	5 – 29	178	<b>17 0000 7540</b>	GTM-C 160-1	30	40	12	15	M8
	20 – 45	178	<b>17 0000 7550</b>	GTM-C 160-2	30	40	12	15	M8
LVE 125	9 – 29	178	<b>17 0000 7540</b>	GTM-C 160-1	30	40	12	15	M8
	26 – 44	178	<b>17 0000 7550</b>	GTM-C 160-2	30	40	12	15	M8
<b>ab Ø 160mm / from Ø 160mm</b>									
KFD 160 <sup>2)</sup>	5 – 32	183	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	14 – 47	183	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
KFD-AF 160	5 – 31	182	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	14 – 46	182	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
KFD-HE 170 <sup>1)</sup>	5 – 56	204	<b>17 0000 7540</b>	GTM-C 160-1	30	40	12	15	M8
	14 – 70	204	<b>17 0000 7550</b>	GTM-C 160-2	30	40	12	15	M8
KFD-HF 160	5 – 22	174	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	14 – 38	174	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
KFD-HS 160 <sup>2)</sup>	5 – 64	213	<b>17 0000 7540</b>	GTM-C 160-1	30	40	12	15	M8
	14 – 79	213	<b>17 0000 7550</b>	GTM-C 160-2	30	40	12	15	M8
KFD-HS 175	5 – 79	228	<b>17 0000 7540</b>	GTM-C 160-1	30	40	12	15	M8
	16 – 94	228	<b>17 0000 7550</b>	GTM-C 160-2	30	40	12	15	M8
KFH 160	5 – 22	174	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	20 – 38	174	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
LVE 160	5 – 75	224	<b>17 0000 7540</b>	GTM-C 160-1	30	40	12	15	M8
	14 – 90	224	<b>17 0000 7550</b>	GTM-C 160-2	30	40	12	15	M8
<b>ab Ø 200mm / from Ø 200mm</b>									
KFD 200 <sup>2)</sup>	5 – 28	220	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 47	220	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
KFD-AF 200	5 – 27	219	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 46	219	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
KFD-EC 200	5 – 18	210	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 38	210	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
KFD-HE 210 <sup>1)</sup>	5 – 29	221	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 48	221	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
KFD-HF 200 <sup>2)</sup>	5 – 19	211	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 39	211	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
KFD-HS 200 <sup>2), 7)</sup>	5 – 16	208	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 36	208	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
KFH 200	5 – 20	212	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 40	212	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
KFH-F 200; KFH-G 200; KFH-NC 200	5 – 20	212	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 40	212	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
LVE 200 <sup>7)</sup>	5 – 32	224	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 51	224	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12

# Harte Spannbacken-Stangenspannung

Verzahnung 1/16"x90°

Hard jaws for bar clamping

Serration 1/16"x90°

Futtertyp / Chuck type ab Ø 250mm / from Ø 250mm	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ	B	C	D	E	Schrauben Screws
KFD 250 <sup>2)</sup>	5 – 49	280	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 72	280	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
KFD-AF 250	5 – 44	275	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 68	275	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
KFD-EC 250	5 – 37	268	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	21 – 61	268	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
KFD-HE 254 <sup>1),7)</sup>	5 – 52	283	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 75	283	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
KFD-HF 250 <sup>7)</sup>	5 – 33	264	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 57	264	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
KFD-HS 250 <sup>2),7)</sup>	5 – 66	257	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 84	257	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
KFH 250	5 – 33	264	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 57	264	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
KFH-F 250; KFH-G 250; KFH-NC 250	5 – 33	264	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 57	264	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
KFL 250	5 – 79	270	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	21 – 97	270	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
LVE 250 <sup>7)</sup>	5 – 48	279	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	24 – 71	279	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
<b>ab Ø 315mm / from Ø 315mm</b>									
KFD 315 <sup>2)</sup>	5 – 58	347	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 77	347	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
KFD-AF 315	5 – 57	346	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 76	346	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
KFD-EC 315	5 – 47	336	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 66	336	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
KFD-HE 315-91 <sup>1),7)</sup>	5 – 65	355	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 84	355	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
KFD-HE 315-121 <sup>1),7)</sup>	5 – 68	357	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 86	357	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
KFD-HF 315 <sup>7)</sup>	5 – 47	336	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 66	336	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
KFD-HS 315-86 <sup>7)</sup>	5 – 45	334	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 64	334	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
KFD-HS 315-108 <sup>7)</sup>	5 – 45	334	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 64	334	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
KFH 315	5 – 47	336	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 66	336	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
KFH-F 315; KFH-G 315; KFH-NC 315	5 – 47	336	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 66	336	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
KFL 315	5 – 63	352	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 81	352	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
LVE 315 <sup>7)</sup>	5 – 62	351	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 81	351	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16

# Harte Spannbacken-Stangenspannung

## Hard jaws for bar clamping

Verzahnung 1/16"x90°

Serration 1/16"x90°

Futtertyp / Chuck type ab Ø 400mm / from Ø 400mm	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ	B	C	D	E	Schrauben Screws
KFL 400	5 - 147	436	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 - 164	436	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16

1) auch mit 1,5mm x 60° Verzahnung erhältlich

2) auch mit Kreuzversatz erhältlich

7) Bitte überprüfen Sie die Anschlussmaße

1) Chuck is also available with serration 1,5mm x 60°

2) Chuck is also available with tongue/groove connection

7) Please check the connecting dimensions

# Harte Spannbacken-Stangenspannung

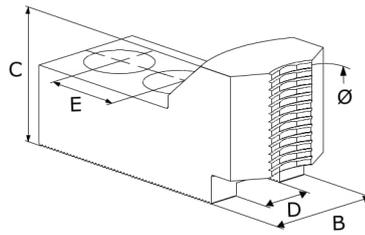
## Hard jaws for bar clamping

Verzahnung 3/32"x90°

Serration 3/32"x90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp / Chuck type ab Ø 400mm / from Ø 400mm	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ	B	C	D	E	Schrauben Screws
KFD 400	34 – 126	447	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KFD-EC 400	34 – 114	435	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KFD-HE 400	34 – 110	431	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KFD-HF 400 <sup>7)</sup>	34 – 109	430	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KFD-HS 400 <sup>7)</sup>	34 – 109	430	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KFH 400; KFH-F 400; KFH-G 400; KFH-NC 400	34 – 109	430	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
LVE 400-165	53 – 191	513	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
LVE 400-165 ES	81 – 187	509	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
LVE 420-140	49 – 149	471	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
LVE 470-140 ES	110 – 203	525	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
LVE 480-185	95 – 201	523	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
LVE 490-185 ES	123 – 219	541	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
<b>ab Ø 500mm / from Ø 500mm</b>									
KFD 500	34 – 225	547	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KFD-HF 500 <sup>7)</sup>	55 – 208	530	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KFD-HS 500 <sup>7)</sup>	34 – 208	530	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KFH 500; KFH-F 500; KFH-G 500; KFH-NC 500	38 – 208	530	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KFL 500	34 – 233	555	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
LVE 500-230	119 – 292	615	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
LVE 500-230 ES	151 – 296	618	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
LVE 540-205	121 – 267	589	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
LVE 570-205 ES	142 – 268	590	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
LVE 570-230	140 – 286	609	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
LVE 570-230 ES	166 – 293	615	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
<b>ab Ø 600mm / from Ø 600mm</b>									
KFD 630	34 – 358	680	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KFD-HF 630 <sup>7)</sup>	60 – 337	660	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
KFL 600	34 – 332	655	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
LVE 600-275	185 – 331	654	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
LVE 610-275 ES	211 – 337	660	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
LVE 630-310	199 – 418	741	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
LVE 630-310 ES	251 – 418	740	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Harte Spannbacken-Stangenspannung

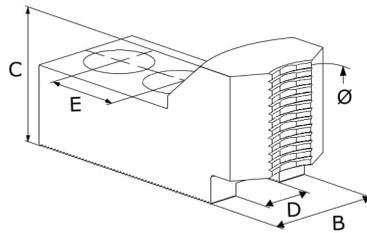
## Hard jaws for bar clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp / Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ	B	C	D	E	Schrauben Screws
<b>ab Ø 170mm / from Ø 170mm</b>									
KFD-HE 170 <sup>9)</sup>	5 – 28	183	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 38	183	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
<b>ab Ø 210mm / from Ø 210mm</b>									
KFD-HE 210 <sup>9)</sup>	5 – 34	228	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 – 49	228	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
<b>ab Ø 254mm / from Ø 254mm</b>									
KFD-HE 254 <sup>9)</sup>	5 – 42	270	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 66	270	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
<b>ab Ø 315mm / from Ø 315mm</b>									
KFD-HE 315-91 <sup>9)</sup>	5 – 66	331	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 85	331	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16
KFD-HE 315-121 <sup>9)</sup>	5 – 66	331	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	24 – 85	331	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16

9) auch mit 1/16" x 90° Verzahnung erhältlich

9) Chuck is also available with serration 1/16 x 90°

# Krallenbacken Außenspannung

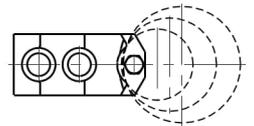
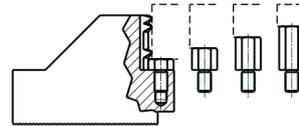
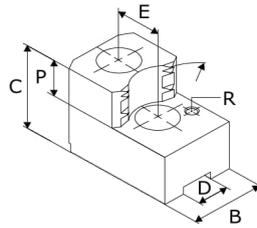
Hard claw jaws for O.D. clamping

Verzahnung 1/16" x 90°

Serration 1/16" x 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
<b>ab Ø 125mm / from Ø 125mm</b>											
KFD 130 <sup>2)</sup>	41 – 66	177	<b>17 0000 7590</b>	GTZ-C 160-1	32	40	12	15	M8	20	M5
	69 – 95	175	<b>17 0000 7600</b>	GTZ-C 160-2	32	40	12	15	M8	20	M5
	89 – 115	175	<b>17 0000 7610</b>	GTZ-C 160-3	32	40	12	15	M8	20	M5
LVE 125	47 – 66	176	<b>17 0000 7590</b>	GTZ-C 160-1	32	40	12	15	M8	20	M5
	75 – 94	174	<b>17 0000 7600</b>	GTZ-C 160-2	32	40	12	15	M8	20	M5
	95 – 114	174	<b>17 0000 7610</b>	GTZ-C 160-3	32	40	12	15	M8	20	M5
<b>ab Ø 160mm / from Ø 160mm</b>											
KFD 160 <sup>2)</sup>	27 – 64	180	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	45 – 83	183	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	67 – 105	183	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	85 – 124	186	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	107 – 146	206	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
KFD-AF 160	27 – 63	179	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	44 – 82	182	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	67 – 104	182	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	84 – 123	185	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	106 – 145	205	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
KFD-HE 170 <sup>1)</sup>	34 – 92	203	<b>17 0000 7590</b>	GTZ-C 160-1	32	40	12	15	M8	20	M5
	62 – 121	201	<b>17 0000 7600</b>	GTZ-C 160-2	32	40	12	15	M8	20	M5
	82 – 141	201	<b>17 0000 7610</b>	GTZ-C 160-3	32	40	12	15	M8	20	M5
KFD-HF 160	29 – 54	171	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	48 – 73	173	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	70 – 96	173	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	88 – 114	177	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	110 – 136	196	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
KFD-HS 160 <sup>2)</sup>	29 – 101	211	<b>17 0000 7590</b>	GTZ-C 160-1	32	40	12	15	M8	20	M5
	57 – 130	209	<b>17 0000 7600</b>	GTZ-C 160-2	32	40	12	15	M8	20	M5
	77 – 150	209	<b>17 0000 7610</b>	GTZ-C 160-3	32	40	12	15	M8	20	M5
KFD-HS 175	37 – 116	226	<b>17 0000 7590</b>	GTZ-C 160-1	32	40	12	15	M8	20	M5
	65 – 144	224	<b>17 0000 7600</b>	GTZ-C 160-2	32	40	12	15	M8	20	M5
	85 – 165	224	<b>17 0000 7610</b>	GTZ-C 160-3	32	40	12	15	M8	20	M5
KFH 160	36 – 54	171	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	55 – 73	173	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	77 – 96	173	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	95 – 114	177	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	117 – 136	196	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
LVE 160	33 – 112	222	<b>17 0000 7590</b>	GTZ-C 160-1	32	40	12	15	M8	20	M5
	61 – 141	220	<b>17 0000 7600</b>	GTZ-C 160-2	32	40	12	15	M8	20	M5
	81 – 161	220	<b>17 0000 7610</b>	GTZ-C 160-3	32	40	12	15	M8	20	M5

# Krallenbacken Außenspannung

Hard claw jaws for O.D. clamping

Verzahnung 1/16" x 90°

Serration 1/16" x 90°

Futtertyp/Chuck type ab Ø200mm / from Ø200mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
KFD 200 <sup>2)</sup>	29 – 70	223	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	48 – 97	223	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	76 – 127	224	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	103 – 154	226	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	133 – 184	245	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
KFD-AF 200	29 – 69	222	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	41 – 96	222	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	69 – 126	223	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	95 – 153	225	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	125 – 183	244	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
KFD-EC 200	30 – 60	213	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	57 – 88	213	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	86 – 117	214	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	113 – 144	216	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	143 – 174	235	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
KFD-HE 210 <sup>1)</sup>	29 – 71	224	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	48 – 98	224	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	77 – 128	225	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	104 – 155	227	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	134 – 185	246	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
KFD-HF 200 <sup>7)</sup>	29 – 61	214	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	48 – 89	214	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	77 – 118	215	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	103 – 145	217	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	133 – 175	236	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
KFD-HS 200 <sup>2),7)</sup>	29 – 58	211	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	43 – 86	211	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	71 – 115	212	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	97 – 142	214	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	127 – 172	233	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
KFH 200	34 – 62	215	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	61 – 89	215	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	90 – 119	216	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	117 – 146	218	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	147 – 176	237	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
KFH-F 200; KFH-G 200; KFH-NC 200	31 – 62	215	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	58 – 89	215	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	87 – 119	216	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	114 – 146	218	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	144 – 176	237	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
LVE 200 <sup>7)</sup>	35 – 73	227	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	62 – 101	227	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	91 – 131	227	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	118 – 158	229	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	148 – 188	249	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6

## Krallenbacken Außenspannung

Verzahnung 1/16" x 90°

Hard claw jaws for O.D. clamping

Serration 1/16" x 90°

Futtertyp/Chuck type ab Ø250mm / from Ø250mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
KFD 250 <sup>2)</sup>	42 – 108	278	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	81 – 148	278	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	130 – 197	282	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	177 – 244	316	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
KFD-AF 250	38 – 103	273	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	66 – 143	273	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	115 – 192	277	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	161 – 239	311	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
KFD-EC 250	51 – 96	266	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	91 – 136	266	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	140 – 186	270	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	187 – 233	304	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
KFD-HE 254 <sup>1),7)</sup>	47 – 111	281	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	86 – 151	281	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	135 – 200	285	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	182 – 247	319	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
KFD-HF 250 <sup>7)</sup>	46 – 92	262	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	85 – 132	262	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	135 – 182	266	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	181 – 229	301	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
KFD-HS 250 <sup>2),7)</sup>	33 – 103	260	<b>17 0000 7710</b>	GTZ-C 250-5	35	55	17	22	M12	25	M6
	53 – 133	260	<b>17 0000 7720</b>	GTZ-C 250-6	35	55	17	22	M12	25	M6
	110 – 192	262	<b>17 0000 7730</b>	GTZ-C 250-7	40	55	17	22	M12	25	M6
	145 – 227	292	<b>17 0000 7740</b>	GTZ-C 250-8	40	55	17	22	M12	25	M6
KFH 250	46 – 92	262	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	85 – 132	262	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	135 – 182	266	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	181 – 229	301	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
KFH-F 250; KFH-G 250; KFH-NC 250	48 – 92	262	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	87 – 132	262	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	137 – 182	266	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	183 – 229	301	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
KFL 250	37 – 115	273	<b>17 0000 7710</b>	GTZ-C 250-5	35	55	17	22	M12	25	M6
	67 – 146	273	<b>17 0000 7720</b>	GTZ-C 250-6	35	55	17	22	M12	25	M6
	125 – 205	275	<b>17 0000 7730</b>	GTZ-C 250-7	40	55	17	22	M12	25	M6
	159 – 240	305	<b>17 0000 7740</b>	GTZ-C 250-8	40	55	17	22	M12	25	M6
LVE 250 <sup>7)</sup>	55 – 107	277	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	94 – 147	277	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	143 – 196	281	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	190 – 243	315	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
<b>ab Ø315mm / from Ø315mm</b>											
KFD 315 <sup>2)</sup>	44 – 144	346	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	88 – 202	347	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	152 – 268	347	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	216 – 332	407	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8

# Krallenbacken Außenspannung

Verzahnung 1/16" x 90°

Hard claw jaws for O.D. clamping

Serration 1/16" x 90°

Futertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
KFD-AF 315	44 – 143	345	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	74 – 201	346	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	136 – 267	346	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	200 – 331	406	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
KFD-EC 315	44 – 133	335	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	98 – 191	336	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	163 – 257	336	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	227 – 321	396	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
KFD-HE 315-91 <sup>1),7)</sup>	44 – 152	354	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	96 – 209	355	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	160 – 275	355	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	224 – 339	414	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
KFD-HE 315-121 <sup>1),7)</sup>	69 – 154	356	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	127 – 212	357	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	192 – 278	357	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	256 – 342	416	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
KFD-HF 315 <sup>7)</sup>	44 – 133	335	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	99 – 191	336	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	164 – 257	336	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	228 – 321	396	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
KFD-HS 315-86 <sup>7)</sup>	44 – 131	333	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	70 – 189	334	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	133 – 255	334	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	196 – 319	394	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
KFD-HS 315-108 <sup>7)</sup>	44 – 131	333	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	91 – 189	334	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	154 – 255	334	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	218 – 319	394	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
KFH 315	47 – 133	335	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	105 – 191	336	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	170 – 257	336	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	234 – 321	396	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
KFH-F 315; KFH-G 315; KFH-NC 315	50 – 133	335	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	108 – 191	336	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	173 – 257	336	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	237 – 321	396	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
KFL 315	44 – 149	351	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	91 – 207	352	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	154 – 273	352	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	218 – 337	411	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
LVE 315 <sup>7)</sup>	53 – 148	350	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	111 – 206	351	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	176 – 272	351	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	240 – 336	410	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8

# Krallenbacken Außenspannung

Verzahnung 1/16" x 90°

Hard claw jaws for O.D. clamping

Serration 1/16" x 90°

Futtertyp/Chuck type ab Ø400mm / from Ø400mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
KFL 400	44 – 233	435	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	91 – 290	436	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	154 – 356	436	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	218 – 420	495	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8

- 1) auch mit 1,5mm x 60° Verzahnung erhältlich
- 2) auch mit Kreuzversatz erhältlich
- 7) Bitte überprüfen Sie die Anschlussmaße

- 1) Chuck is also available with serration 1,5mm x 60°
- 2) Chuck is also available with tongue/groove connection
- 7) Please check the connecting dimensions

# Krallenbacken Außenspannung

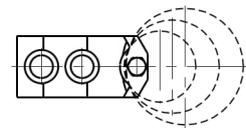
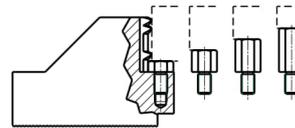
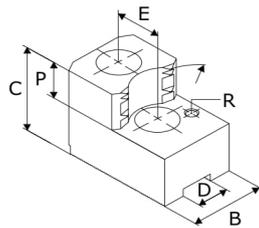
## Hard claw jaws for O.D. clamping

Verzahnung 3/32" x 90°

Serration 3/32" x 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 400mm/from Ø 400mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
KFD 400	54 – 183	447	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	126 – 258	447	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	209 – 342	464	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	279 – 413	507	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
KFD-EC 400	62 – 171	435	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	136 – 246	435	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	219 – 330	452	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	289 – 401	495	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
KFD-HE 400	74 – 167	431	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	148 – 242	431	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	231 – 326	448	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	302 – 397	491	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
KFD-HF 400 <sup>7)</sup>	67 – 166	430	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	141 – 241	430	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	224 – 325	447	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	295 – 396	490	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
KFD-HS 400 <sup>7)</sup>	68 – 166	430	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	142 – 241	430	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	225 – 325	447	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	296 – 396	490	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
KFH 400; KFH-F 400; KFH-G 400; KFH-NC 400	64 – 166	430	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	137 – 241	430	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	220 – 325	447	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	291 – 396	490	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
LVE 400-165	85 – 223	513	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	108 – 248	513	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	183 – 323	513	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	267 – 408	530	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	338 – 479	573	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
LVE 400-165 ES	114 – 220	509	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	138 – 244	509	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	213 – 320	509	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	297 – 404	526	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	368 – 475	569	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
LVE 420-140	81 – 182	471	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	104 – 206	471	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	179 – 282	471	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	263 – 366	488	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	334 – 437	531	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8

# Krallenbacken Außenspannung

Verzahnung 3/32" x 90°

Hard claw jaws for O.D. clamping

Serration 3/32" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
LVE 470-140 ES	143 – 235	525	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	167 – 260	525	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	242 – 335	525	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	327 – 420	542	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	398 – 491	585	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
LVE 480-185	128 – 233	523	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	152 – 258	523	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	227 – 333	523	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	312 – 418	540	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	383 – 489	583	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
LVE 490-185 ES	156 – 251	541	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	180 – 276	541	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	255 – 351	541	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	340 – 436	558	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	411 – 507	601	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
<b>ab Ø 500mm/from Ø 500mm</b>											
KFD 500	63 – 257	547	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	126 – 357	547	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	209 – 441	564	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	279 – 513	607	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	359 – 593	692	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
KFD-HF 500 <sup>7)</sup>	87 – 240	530	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	185 – 340	530	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	269 – 424	547	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	340 – 496	590	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	419 – 576	675	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
KFD-HS 500 <sup>7)</sup>	63 – 240	530	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	142 – 340	530	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	225 – 424	547	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	296 – 496	590	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	375 – 576	675	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
KFH 500; KFH-F 500; KFH-G 500; KFH-NC 500	70 – 240	530	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	167 – 340	530	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	250 – 424	547	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	321 – 496	590	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	400 – 576	675	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
KFL 500	63 – 265	555	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	134 – 365	555	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	217 – 449	572	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	287 – 521	615	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	367 – 600	700	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
LVE 500-230	152 – 325	615	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	251 – 425	615	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	336 – 509	632	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	407 – 580	675	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
LVE 500-230 ES	183 – 328	618	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	283 – 428	618	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	368 – 512	635	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	439 – 584	678	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8

# Krallenbacken Außenspannung

Hard claw jaws for O.D. clamping

Verzahnung 3/32" x 90°

Serration 3/32" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
LVE 540-205	153 - 299	589	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	253 - 399	589	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	338 - 483	606	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	408 - 554	649	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
LVE 570-205 ES	174 - 300	590	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	274 - 400	590	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	359 - 484	607	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	430 - 556	650	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
LVE 570-230	173 - 319	609	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	273 - 419	609	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	358 - 503	626	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	428 - 574	669	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
LVE 570-230 ES	199 - 325	615	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	299 - 425	615	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	384 - 509	632	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	455 - 581	675	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
<b>ab Ø 600mm/from Ø 600mm</b>											
KFD 630	63 - 390	680	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	158 - 490	680	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	242 - 574	697	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	312 - 646	740	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	392 - 726	825	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
KFD-HF 630 <sup>2)</sup>	93 - 370	660	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	191 - 470	660	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	275 - 554	677	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	346 - 625	720	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	425 - 705	805	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
KFL 600	63 - 365	655	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	134 - 465	655	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	217 - 549	672	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	287 - 620	715	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	367 - 700	800	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
LVE 600-275	217 - 364	654	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	317 - 464	654	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	403 - 548	671	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	473 - 619	714	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	553 - 699	799	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
LVE 610-275 ES	243 - 370	660	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	344 - 470	660	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	429 - 554	677	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	500 - 625	720	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	579 - 705	805	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
LVE 630-310	232 - 450	741	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	332 - 551	741	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	417 - 635	758	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	488 - 706	801	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	568 - 786	886	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8

## Krallenbacken Außenspannung

Verzahnung 3/32" x 90°

Hard claw jaws for O.D. clamping

Serration 3/32" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
LVE 630-310 ES	284 – 450	740	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	384 – 550	740	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	469 – 634	757	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	540 – 706	800	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	620 – 786	885	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
<b>ab Ø 800mm/from Ø 800mm</b>											
KFD 800	63 – 558	849	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	157 – 658	849	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	240 – 742	866	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	311 – 814	909	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	390 – 894	994	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
LVE 800-410	363 – 604	895	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	464 – 704	895	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	549 – 788	912	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	620 – 860	955	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	700 – 940	1040	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
LVE 800-410 ES	384 – 613	903	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	484 – 713	903	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	570 – 797	920	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	641 – 868	963	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	721 – 949	1049	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
<b>ab Ø 1000mm/from Ø 1000mm</b>											
LVE 1000-535	487 – 750	1041	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	587 – 850	1041	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	673 – 934	1058	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	744 – 1005	1101	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	824 – 1086	1186	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
LVE 1000-535 ES	511 – 760	1050	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	611 – 860	1050	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	697 – 944	1067	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	768 – 1015	1110	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	847 – 1095	1196	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Krallenbacken Außenspannung

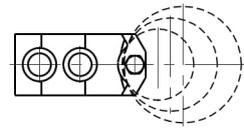
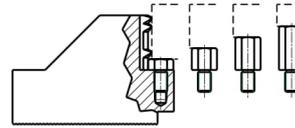
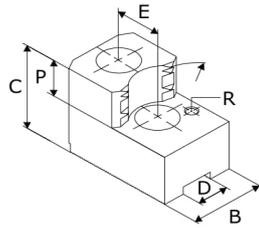
## Hard claw jaws for O.D. clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 170mm/from Ø170mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
KFD-HE 170 <sup>9)</sup>	28 - 61	185	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	42 - 77	185	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	58 - 93	186	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	72 - 107	186	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	88 - 123	185	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	114 - 149	210	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
<b>ab Ø 210mm/from Ø 210mm</b>											
KFD-HE 210 <sup>9)</sup>	30 - 74	224	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	55 - 102	224	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	85 - 132	225	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	115 - 163	227	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	137 - 185	244	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	174 - 222	282	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
<b>ab Ø 254mm/from Ø 254mm</b>											
KFD-HE 254 <sup>9)</sup>	39 - 94	272	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	79 - 136	272	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	123 - 180	276	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	168 - 226	291	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	203 - 261	323	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
<b>ab Ø 315mm/from Ø 315mm</b>											
KFD-HE 315-91 <sup>9)</sup>	41 - 134	339	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	100 - 194	339	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	166 - 261	353	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	229 - 325	397	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
KFD-HE 315-121 <sup>9)</sup>	72 - 135	339	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	132 - 194	339	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	198 - 261	353	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	262 - 326	397	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8

9) auch mit 1/16" x 90° Verzahnung erhältlich

9) Chuck is also available with serration 1/16 x 90°

# Krallenbacken Innenspannung

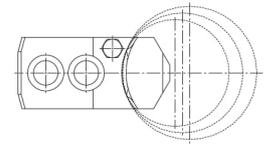
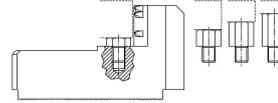
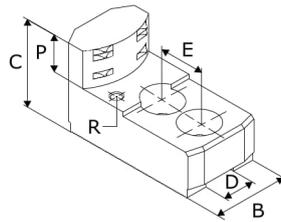
Hard claw jaws for I.D. clamping

Verzahnung 1/16" x 90°

Serration 1/16" x 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 125mm/from Ø125mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
KFD 130 <sup>2)</sup>	50 – 75	176	<b>17 0000 7960</b>	GTW-C 160-1	30	40	12	15	M8	15	M5
	80 – 105	176	<b>17 0000 7970</b>	GTW-C 160-2	30	40	12	15	M8	15	M5
	109 – 136	182	<b>17 0000 7980</b>	GTW-C 160-3	30	40	12	15	M8	15	M5
LVE 125	56 – 75	176	<b>17 0000 7960</b>	GTW-C 160-1	30	40	12	15	M8	15	M5
	85 – 105	176	<b>17 0000 7970</b>	GTW-C 160-2	30	40	12	15	M8	15	M5
	115 – 135	181	<b>17 0000 7980</b>	GTW-C 160-3	30	40	12	15	M8	15	M5
<b>ab Ø 160mm/from Ø160mm</b>											
KFD 160 <sup>2)</sup>	52 – 82	179	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 – 94	180	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	83 – 114	181	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	96 – 134	184	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
KFD-AF 160	52 – 81	178	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 – 93	180	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	83 – 113	180	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	95 – 133	183	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
KFD-HE 170 <sup>1)</sup>	48 – 101	202	<b>17 0000 7960</b>	GTW-C 160-1	30	40	12	15	M8	15	M5
	73 – 131	202	<b>17 0000 7970</b>	GTW-C 160-2	30	40	12	15	M8	15	M5
	102 – 162	208	<b>17 0000 7980</b>	GTW-C 160-3	30	40	12	15	M8	15	M5
KFD-HF 160	52 – 72	170	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	65 – 84	171	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	83 – 104	172	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	99 – 125	175	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
KFD-HS 160 <sup>2)</sup>	48 – 110	211	<b>17 0000 7960</b>	GTW-C 160-1	30	40	12	15	M8	15	M5
	68 – 140	211	<b>17 0000 7970</b>	GTW-C 160-2	30	40	12	15	M8	15	M5
	96 – 170	217	<b>17 0000 7980</b>	GTW-C 160-3	30	40	12	15	M8	15	M5
KFD-HS 175	48 – 125	226	<b>17 0000 7960</b>	GTW-C 160-1	30	40	12	15	M8	15	M5
	76 – 155	226	<b>17 0000 7970</b>	GTW-C 160-2	30	40	12	15	M8	15	M5
	106 – 185	232	<b>17 0000 7980</b>	GTW-C 160-3	30	40	12	15	M8	15	M5
KFH 160	54 – 72	170	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	67 – 84	171	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	87 – 104	172	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	106 – 125	175	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
LVE 160	48 – 121	222	<b>17 0000 7960</b>	GTW-C 160-1	30	40	12	15	M8	15	M5
	72 – 151	222	<b>17 0000 7970</b>	GTW-C 160-2	30	40	12	15	M8	15	M5
	101 – 181	228	<b>17 0000 7980</b>	GTW-C 160-3	30	40	12	15	M8	15	M5
<b>ab Ø 200mm/from Ø200mm</b>											
KFD 200 <sup>2)</sup>	58 – 105	221	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	83 – 133	221	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	114 – 165	221	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6

# Krallenbacken Innenspannung

Hard claw jaws for I.D. clamping

Verzahnung 1/16" x 90°

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
KFD-AF 200	58 – 104	220	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	76 – 132	220	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	107 – 164	220	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
KFD-EC 200	64 – 95	211	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	92 – 124	211	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	124 – 155	211	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
KFD-HE 210 <sup>1)</sup>	58 – 106	222	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	83 – 134	222	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	115 – 166	222	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
KFD-HF 200 <sup>7)</sup>	58 – 96	212	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	83 – 125	212	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	115 – 156	212	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
KFD-HS 200 <sup>2),7)</sup>	58 – 93	209	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	77 – 122	209	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	109 – 153	209	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
KFH 200	68 – 97	213	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	96 – 126	213	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	128 – 157	213	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
KFH-F 200; KFH-G 200; KFH-NC 200	65 – 97	213	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	94 – 126	213	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	125 – 157	213	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
LVE 200 <sup>7)</sup>	69 – 109	225	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	98 – 137	225	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	129 – 169	225	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
<b>ab Ø 250mm/from Ø250mm</b>											
KFD 250 <sup>2)</sup>	76 – 136	284	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	112 – 177	284	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	156 – 223	278	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
KFD-AF 250	76 – 131	279	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	99 – 173	279	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	141 – 218	273	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
KFD-EC 250	80 – 124	272	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	121 – 166	272	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	165 – 211	266	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
KFD-HE 254 <sup>1),7)</sup>	76 – 139	287	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	116 – 180	287	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	161 – 226	281	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
KFD-HF 250 <sup>7)</sup>	76 – 120	268	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	116 – 162	268	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	160 – 207	262	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
KFD-HS 250 <sup>2),7)</sup>	58 – 137	270	<b>17 0000 8160</b>	GTW-C 250-4	35	55	17	22	M12	25	M6
	80 – 161	259	<b>17 0000 8170</b>	GTW-C 250-5	40	55	17	22	M12	25	M6
	143 – 225	267	<b>17 0000 8180</b>	GTW-C 250-6	40	55	17	22	M12	25	M6
KFH 250	76 – 120	268	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	116 – 162	268	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	160 – 207	262	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8

# Krallenbacken Innenspannung

Verzahnung 1/16" x 90°

Hard claw jaws for I.D. clamping

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
KFH-F 250; KFH-G 250; KFH-NC 250	77 – 120	268	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	118 – 162	268	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	162 – 207	262	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
KFL 250	70 – 150	283	<b>17 0000 8160</b>	GTW-C 250-4	35	55	17	22	M12	25	M6
	94 – 174	272	<b>17 0000 8170</b>	GTW-C 250-5	40	55	17	22	M12	25	M6
	157 – 238	280	<b>17 0000 8180</b>	GTW-C 250-6	40	55	17	22	M12	25	M6
LVE 250 <sup>7)</sup>	83 – 135	283	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	124 – 176	283	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	169 – 222	277	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
<b>ab Ø 315mm/from Ø315mm</b>											
KFD 315 <sup>2)</sup>	78 – 165	345	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 219	345	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	179 – 294	345	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
KFD-AF 315	78 – 164	344	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 219	344	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	170 – 293	344	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
KFD-EC 315	78 – 155	334	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 209	334	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	190 – 283	334	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
KFD-HE 315-91 <sup>1),7)</sup>	78 – 173	353	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 227	353	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	187 – 301	353	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
KFD-HE 315-121 <sup>1),7)</sup>	91 – 175	355	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	144 – 229	355	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	218 – 304	355	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
KFD-HF 315 <sup>7)</sup>	78 – 155	334	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 209	334	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	191 – 283	334	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
KFD-HS 315-86 <sup>7)</sup>	78 – 153	332	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 207	332	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	170 – 281	332	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
KFD-HS 315-108 <sup>7)</sup>	78 – 153	332	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 207	332	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	182 – 281	332	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
KFH 315	78 – 155	334	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 209	334	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	196 – 283	334	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
KFH-F 315; KFH-G 315; KFH-NC 315	78 – 155	334	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	125 – 209	334	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	199 – 283	334	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
KFL 315	78 – 170	350	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 224	350	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	182 – 299	350	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
LVE 315 <sup>7)</sup>	78 – 169	349	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	128 – 223	349	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	202 – 298	349	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8

# Krallenbacken Innenspannung

Hard claw jaws for I.D. clamping

Verzahnung 1/16" x 90°

Serration 1/16" x 90°

Futtertyp/Chuck type ab Ø400mm/from Ø400mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
KFL 400	78 – 253	434	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 308	434	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	182 – 383	434	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8

1) auch mit 1,5mm x 60° Verzahnung erhältlich

2) auch mit Kreuzversatz erhältlich

7) Bitte überprüfen Sie die Anschlussmaße

1) Chuck is also available with serration 1,5mm x 60°

2) Chuck is also available with tongue/groove connection

7) Please check the connecting dimensions

# Krallenbacken Innenspannung

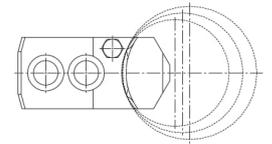
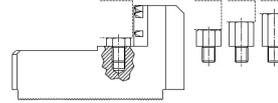
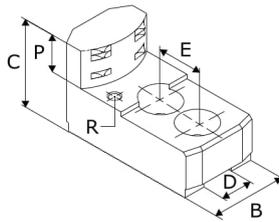
Hard claw jaws for I.D. clamping

Verzahnung 3/32" x 90°

Serration 3/32" x 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 400mm/from Ø400mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
KFD 400	98 – 210	440	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	158 – 289	447	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	237 – 370	447	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	299 – 433	478	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KFD-EC 400	98 – 198	428	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	168 – 277	435	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	247 – 358	435	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	309 – 421	466	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KFD-HE 400	101 – 194	424	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	180 – 273	431	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	259 – 354	431	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	322 – 417	462	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KFD-HF 400 <sup>7)</sup>	98 – 193	423	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	173 – 272	430	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	252 – 353	430	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	315 – 416	461	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KFD-HS 400 <sup>7)</sup>	98 – 193	423	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	174 – 272	430	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	253 – 353	430	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	316 – 416	461	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KFH 400; KFH-F 400; KFH-G 400; KFH-NC 400	98 – 193	423	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	169 – 272	430	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	248 – 353	430	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	311 – 416	461	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
LVE 400-165	135 – 275	506	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	215 – 355	513	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	294 – 435	513	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	357 – 499	544	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
LVE 420-140	131 – 234	464	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	211 – 313	471	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	290 – 394	471	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	353 – 457	502	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
LVE 480-185	177 – 282	523	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	258 – 365	523	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	339 – 445	523	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	402 – 509	554	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
<b>ab Ø 500mm/from Ø 500mm</b>											
KFD 500	122 – 306	547	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	158 – 389	547	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	237 – 469	547	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	299 – 533	578	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8

# Krallenbacken Innenspannung

Verzahnung 3/32" x 90°

Hard claw jaws for I.D. clamping

Serration 3/32" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
KFD-HF 500 <sup>7)</sup>	136 – 289	530	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	216 – 372	530	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	296 – 452	530	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	359 – 516	561	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KFD-HS 500 <sup>7)</sup>	122 – 289	530	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	174 – 372	530	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	253 – 452	530	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	316 – 516	561	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KFH 500; KFH-F 500; KFH-G 500; KFH-NC 500	122 – 289	530	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	198 – 372	530	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	277 – 452	530	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	340 – 516	561	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KFL 500	122 – 314	555	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	166 – 396	555	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	245 – 477	555	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	307 – 541	586	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
LVE 500-230	201 – 374	615	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	282 – 456	615	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	363 – 537	615	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	426 – 601	646	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
LVE 540-205	203 – 348	589	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	284 – 430	589	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	364 – 511	589	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	428 – 575	620	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
LVE 570-230	222 – 368	609	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	304 – 450	609	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	384 – 531	609	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	447 – 595	640	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
<b>ab Ø 600mm/from Ø600mm</b>											
KFD 630	122 – 439	680	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	190 – 522	680	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	269 – 603	680	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	332 – 666	711	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KFD-HF 630 <sup>7)</sup>	142 – 418	660	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	222 – 501	660	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	302 – 582	660	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	365 – 645	691	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
KFL 600	122 – 413	655	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	166 – 496	655	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	245 – 577	655	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	307 – 640	686	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
LVE 600-275	267 – 412	654	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	348 – 495	654	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	429 – 576	654	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	492 – 639	685	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8

# Krallenbacken Innenspannung

Verzahnung 3/32" x 90°

Hard claw jaws for I.D. clamping

Serration 3/32" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
LVE 630-310	281 – 499	741	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	362 – 582	741	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	443 – 663	741	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	507 – 726	772	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
<b>ab Ø 800mm/from Ø800mm</b>											
KFD 800	122 – 607	849	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	188 – 690	849	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	268 – 771	849	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	331 – 834	880	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
LVE 800-410	412 – 653	895	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	494 – 736	895	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	575 – 817	895	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	638 – 880	926	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
<b>ab Ø 1000mm/from Ø1000mm</b>											
LVE 1000-535	536 – 798	1041	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	617 – 882	1041	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	698 – 963	1041	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	762 – 1026	1072	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

# Krallenbacken Innenspannung

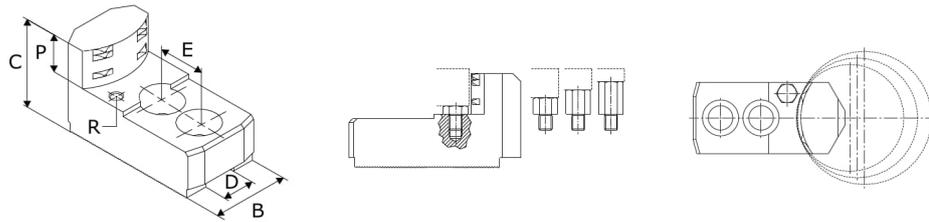
Hard claw jaws for I.D. clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 210mm/from Ø 210mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
KFD-HE 210 <sup>9)</sup>	57 – 90	224	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	73 – 120	225	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	103 – 150	225	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	133 – 180	234	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
<b>ab Ø 254mm/from Ø 254mm</b>											
KFD-HE 254 <sup>9)</sup>	60 – 111	272	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	96 – 152	272	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	132 – 189	272	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	166 – 224	276	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
<b>ab Ø 315mm/from Ø 315mm</b>											
KFD-HE 315-91 <sup>9)</sup>	78 – 163	339	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	130 – 225	339	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	194 – 289	339	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	245 – 341	383	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
KFD-HE 315-121 <sup>9)</sup>	102 – 163	339	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	162 – 225	339	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	227 – 290	339	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	278 – 342	383	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8

9) auch mit 1/16" x 90° Verzahnung erhältlich

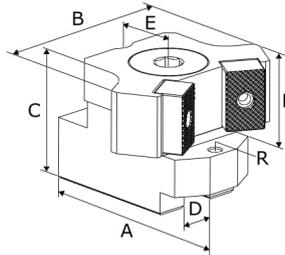
9) Chuck is also available with serration 1/16 x 90°

# Pendelbacken

## Pendulum jaws

Verzahnung 1/16" x 90°

Serration 1/16" x 90°



Pendelbacken ermöglichen sicheres Spannen dünnwandiger und verformungsgefährdeter Werkstücke

Die Befestigung erfolgt mit einzelnen Nutensteinen  
Nutensteine müssen separat bestellt werden

Pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation

Fastening is done using single T-Nuts  
T-Nuts must be ordered separately

Futtertyp/Chuck type ab Ø 200mm / from Ø 200mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
KFD 200 <sup>2)</sup>	55 – 87	220	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 89	220	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	86 – 118	241	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	111 – 143	240	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
KFD-AF 200	51 – 86	219	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 88	219	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	84 – 117	240	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	105 – 142	239	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
KFD-EC 200	64 – 78	210	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 80	210	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	95 – 109	231	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	120 – 134	230	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
KFD-HE 210 <sup>1)</sup>	56 – 88	221	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 90	221	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	87 – 118	242	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	112 – 144	241	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
KFD-HF 200 <sup>7)</sup>	56 – 79	211	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 81	211	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	86 – 110	232	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	112 – 135	231	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
KFD-HS 200 <sup>2),7)</sup>	51 – 77	208	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 78	208	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	84 – 107	229	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	107 – 133	229	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
KFH 200	68 – 80	212	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	70 – 82	212	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	99 – 111	233	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	124 – 136	232	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
KFH-F 200; KFH-G 200; KFH-NC 200	65 – 80	212	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 82	212	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	96 – 111	233	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	121 – 136	232	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
LVE 200 <sup>7)</sup>	69 – 90	223	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	71 – 92	223	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	100 – 121	245	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	125 – 146	244	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
<b>ab Ø 250mm / from Ø 250mm</b>												
KFD 250 <sup>2)</sup>	63 – 99	280	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	69 – 117	280	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 121	280	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	121 – 170	298	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	133 – 182	298	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6

**Pendelbacken**

**Verzahnung 1/16" x 90°**

**Pendulum jaws**

**Serration 1/16" x 90°**

Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
	Clamping range	Swing diameter										
KFD-AF 250	53 – 99	276	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	69 – 113	276	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 117	276	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	108 – 166	293	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	120 – 178	293	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
KFD-EC 250	71 – 99	269	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	77 – 107	269	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 111	269	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	130 – 160	286	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	142 – 172	286	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
KFD-HE 254 <sup>1),7)</sup>	67 – 99	283	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	73 – 120	283	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 124	283	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	126 – 173	301	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	138 – 185	301	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
KFD-HF 250 <sup>7)</sup>	66 – 98	265	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	72 – 104	265	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 108	265	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	125 – 156	282	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	137 – 168	282	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
KFD-HS 250 <sup>2),7)</sup>	53 – 99	271	<b>17 0001 3800</b>	SWT-C 250-6	90	81,5	64	17	32	M12	35	M6
	70 – 109	271	<b>17 0001 3810</b>	SWT-C 250-7	90	93	64	17	32	M12	35	M6
	99 – 113	271	<b>17 0001 3820</b>	SWT-C 250-8	90	102	64	17	32	M12	35	M6
	103 – 158	284	<b>17 0001 3830</b>	SWT-C 250-9	75	131	64	17	32	M12	35	M6
	115 – 170	284	<b>17 0001 3840</b>	SWT-C 250-10	75	144	64	17	32	M12	35	M6
KFH 250	66 – 98	265	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	72 – 104	265	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 108	265	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	125 – 156	282	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	137 – 168	282	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
KFH-F 250; KFH-G 250; KFH-NC 250	68 – 98	265	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	74 – 104	265	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 108	265	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	127 – 156	282	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	139 – 168	282	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
KFL 250	61 – 99	283	<b>17 0001 3800</b>	SWT-C 250-6	90	81,5	64	17	32	M12	35	M6
	70 – 120	283	<b>17 0001 3810</b>	SWT-C 250-7	90	93	64	17	32	M12	35	M6
	99 – 124	283	<b>17 0001 3820</b>	SWT-C 250-8	90	102	64	17	32	M12	35	M6
	116 – 169	297	<b>17 0001 3830</b>	SWT-C 250-9	75	131	64	17	32	M12	35	M6
	128 – 181	297	<b>17 0001 3840</b>	SWT-C 250-10	75	144	64	17	32	M12	35	M6
LVE 250 <sup>7)</sup>	74 – 99	280	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	80 – 117	280	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 121	280	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	133 – 169	297	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	145 – 181	297	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
<b>ab Ø 315mm / from Ø 315mm</b>												
KFD 315 <sup>2)</sup>	64 – 120	340	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 167	340	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	139 – 223	358	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 – 240	359	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6

# Pendelbacken

Verzahnung 1/16" x 90°

## Pendulum jaws

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
	Clamping range	Swing diameter										
KFD-AF 315	64 – 120	339	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 167	339	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	126 – 223	357	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 – 239	358	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
KFD-EC 315	72 – 120	329	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 158	329	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	149 – 221	347	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	159 – 231	348	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
KFD-HE 315-91 <sup>1),7)</sup>	69 – 120	347	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 174	347	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	146 – 223	365	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 – 247	367	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
KFD-HE 315-121 <sup>1),7)</sup>	97 – 120	350	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	111 – 176	350	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	174 – 223	367	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	184 – 249	369	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
KFD-HF 315 <sup>7)</sup>	73 – 120	329	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 158	329	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	150 – 221	347	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	160 – 231	348	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
KFD-HS 315-86 <sup>7)</sup>	64 – 120	327	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 156	327	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	123 – 219	345	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 – 229	346	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
KFD-HS 315-108 <sup>7)</sup>	65 – 120	327	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 156	327	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	142 – 219	345	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 – 229	346	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
KFH 315	78 – 120	329	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 158	329	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	155 – 221	347	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	165 – 231	348	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
KFH-F 315; KFH-G 315; KFH-NC 315	81 – 120	329	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 158	329	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	158 – 221	347	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	168 – 231	348	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
KFL 315	65 – 120	345	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 172	345	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	142 – 223	362	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 – 245	364	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
LVE 315 <sup>7)</sup>	83 – 120	344	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 171	344	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	160 – 223	361	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	170 – 244	363	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
<b>ab Ø 400mm / from Ø 400mm</b>												
KFL 400	65 – 120	428	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 178	428	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	142 – 223	446	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 – 275	447	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6

- 1) auch mit 1,5mm x 60° Verzahnung erhältlich
- 2) auch mit Kreuzversatz erhältlich
- 7) Bitte überprüfen Sie die Anschlussmaße

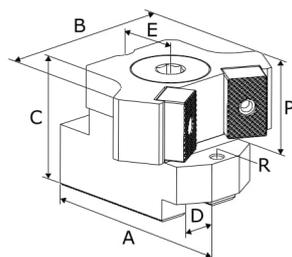
- 1) Chuck is also available with serration 1,5mm x 60°
- 2) Chuck is also available with tongue/groove connection
- 7) Please check the connecting dimensions

# Pendelbacken

## Pendulum jaws

Verzahnung 3/32" x 90°

Serration 3/32" x 90°



Pendelbacken ermöglichen sicheres Spannen dünnwandiger und verformungsgefährdeter Werkstücke

Die Befestigung erfolgt mit einzelnen Nutensteinen  
Nutensteine müssen separat bestellt werden

Pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation

Fastening is done using single T-Nuts  
T-Nuts must be ordered separately

Futtertyp/Chuck type ab Ø 400mm / from Ø 400mm	Durchmesser	Durchlass	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben	P	R
	Clamping range	Swing diameter										
KFD 400	109 – 205	432	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	171 – 265	458	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 – 295	458	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	271 – 370	554	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
KFD-EC 400	114 – 194	420	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	179 – 254	446	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 – 284	446	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	279 – 359	542	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
KFD-HE 400	125 – 191	416	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	190 – 251	442	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 – 281	442	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	290 – 356	538	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
KFD-HF 400 <sup>7)</sup>	119 – 190	415	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	184 – 250	441	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 – 280	441	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	284 – 355	537	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
KFD-HS 400 <sup>7)</sup>	120 – 190	415	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	185 – 250	441	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 – 280	441	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	285 – 355	537	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
KFH 400; KFH-F 400; KFH-G 400; KFH-NC 400	116 – 190	415	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	181 – 250	441	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 – 280	441	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	281 – 355	537	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
LVE 400-165	156 – 209	497	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	221 – 295	523	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	251 – 352	523	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	321 – 386	619	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
LVE 400-165 ES	182 – 209	493	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	248 – 295	520	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	278 – 349	519	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	347 – 386	616	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
LVE 420-140	153 – 209	456	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	218 – 285	482	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	248 – 315	481	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	318 – 386	578	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8

7) Bitte überprüfen Sie die Anschlussmaße

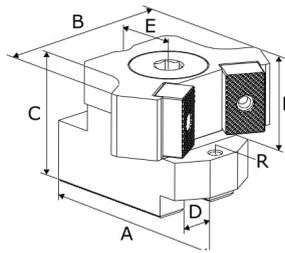
7) Please check the connecting dimensions

# Pendelbacken

## Pendulum jaws

Verzahnung 1,5mm x 60°

Serration 1,5mm x60°



Pendelbacken ermöglichen sicheres Spannen dünnwandiger und verformungsgefährdeter Werkstücke

Die Befestigung erfolgt mit einzelnen Nutensteinen  
Nutensteine müssen separat bestellt werden

Pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation

Fastening is done using single T-Nuts  
T-Nuts must be ordered separately

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
KFD-HE 210 <sup>9)</sup>	50 – 84	223	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 – 91	223	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	81 – 114	244	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	106 – 140	243	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
<b>ab Ø 254mm / from Ø 254mm</b>												
KFD-HE 254 <sup>9)</sup>	64 – 99	280	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	70 – 117	280	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 – 121	280	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	119 – 166	293	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	131 – 178	293	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
<b>ab Ø 315mm / from Ø 315mm</b>												
KFD-HE 315-91 <sup>9)</sup>	69 – 120	331	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	99 – 160	331	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	146 – 223	349	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	159 – 233	351	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6
KFD-HE 315-121 <sup>9)</sup>	98 – 120	332	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	112 – 160	332	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	175 – 223	350	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	185 – 233	351	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6

9) auch mit 1/16" x 90° Verzahnung erhältlich

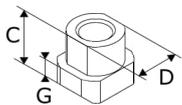
9) Chuck is also available with serration 1/16 x 90°

# T-Nutensteine für Spannfutter mit Zollverzahnung

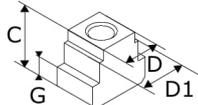
T-Nuts for chucks with inch serration

Verzahnung 90°

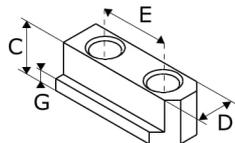
Serration 90°



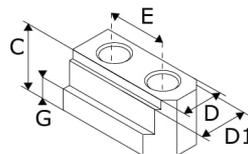
**Ausführung 1**  
Version 1



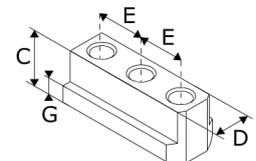
**Ausführung 3**  
Version 3



**Ausführung 4**  
Version 4



**Ausführung 6**  
Version 6



**Ausführung 7**  
Version 7

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max. Anzugsmoment Nm Max. tightening torque Nm		Ausführung Version
<b>ab Ø 110mm / from Ø 110mm</b>											
KFD 110; KFD 125	<b>17 0000 8640</b>	WTD 10-1	13,7	10	-	12	M6x18	5,5	16	7	
KFD 130	<b>17 0000 8650</b>	WTD 12-1	17,2	12	-	15	M8x20	7	30	7	
	<b>17 0000 6000</b>	WTS 12-1	17,2	12	-	-	M8x20	7	30	1	
KFD 140	<b>17 0000 8640</b>	WTD 10-1	13,7	10	-	12	M6x18	5,5	16	7	
KFD-HE 130	<b>17 0001 1440</b>	WTS 10-1	15,5	10	-	-	M8x20	6,5	30	1	
KFD-HS 110	<b>17 0001 1280</b>	WTD 10-7	15,7	10	-	15	M8x20	6,5	30	4	
KFD-HS 125; KFD-HS 130; KFD-HS 140	<b>17 0000 8640</b>	WTD 10-1	13,7	10	-	12	M6x18	5,5	16	7	
KFH 140	<b>17 0000 8650</b>	WTD 12-1	17,2	12	-	15	M8x20	7	30	7	
	<b>17 0000 6000</b>	WTS 12-1	17,2	12	-	-	M8x20	7	30	1	
LVE 125	<b>17 0000 8650</b>	WTD 12-1	17,2	12	-	15	M8x20	7	30	7	
	<b>17 0000 6000</b>	WTS 12-1	17,2	12	-	-	M8x20	7	30	1	
<b>ab Ø 160mm / from Ø 160mm</b>											
KFD 160; KFD-AF 160	<b>17 0000 8730</b>	WTD 17-3	21,5	17	-	19	M12x25	9	70	4	
	<b>17 0000 6010</b>	WTS 17-4	22	17	-	-	M12x25	9	70	1	
KFD-HE 170	<b>17 0000 8650</b>	WTD 12-1	17,2	12	-	15	M8x20	7	30	7	
	<b>17 0000 6000</b>	WTS 12-1	17,2	12	-	-	M8x20	7	30	1	
KFD-HF 160	<b>17 0000 8730</b>	WTD 17-3	21,5	17	-	19	M12x25	9	70	4	
	<b>17 0000 6010</b>	WTS 17-4	22	17	-	-	M12x25	9	70	1	
KFD-HS 160; KFD-HS 175	<b>17 0000 8650</b>	WTD 12-1	17,2	12	-	15	M8x20	7	30	7	
	<b>17 0000 6000</b>	WTS 12-1	17,2	12	-	-	M8x20	7	30	1	
KFH 160; KFH-F 160; KFH-G 160; KFH-NC 160	<b>17 0000 8730</b>	WTD 17-3	21,5	17	-	19	M12x25	9	70	4	
	<b>17 0000 6010</b>	WTS 17-4	22	17	-	-	M12x25	9	70	1	
LVE 160	<b>17 0000 8650</b>	WTD 12-1	17,2	12	-	15	M8x20	7	30	7	
	<b>17 0000 6000</b>	WTS 12-1	17,2	12	-	-	M8x20	7	30	1	
SPD 160; SPO 160	<b>17 0000 8730</b>	WTD 17-3	21,5	17	-	19	M12x25	9	70	4	
	<b>17 0000 6010</b>	WTS 17-4	22	17	-	-	M12x25	9	70	1	
SSH 160; SSP 160	<b>17 0000 8650</b>	WTD 12-1	17,2	12	-	15	M8x20	7	30	7	
	<b>17 0000 6000</b>	WTS 12-1	17,2	12	-	-	M8x20	7	30	1	
<b>ab Ø 200mm / from Ø 200mm</b>											
KFA 200	<b>17 0000 6020</b>	WTS 21-6	25,5	21	-	-	M16x35	11	150	1	
KFD 200; KFD-AF 200; KFD-EC 200	<b>17 0000 6010</b>	WTS 17-4	22	17	-	-	M12x25	9	70	1	
KFD-G 200	<b>17 0000 6020</b>	WTS 21-6	25,5	21	-	-	M16x35	11	150	1	
KFD-HE 210	<b>17 0000 6010</b>	WTS 17-4	22	17	-	-	M12x25	9	70	1	
KFD-HF 200; KFD-HS 200	<b>17 0000 8730</b>	WTD 17-3	21,5	17	-	19	M12x25	9	70	4	
	<b>17 0000 6010</b>	WTS 17-4	22	17	-	-	M12x25	9	70	1	
KFH 200; KFH-F 200; KFH-G 200; KFH-NC 200	<b>17 0000 6010</b>	WTS 17-4	22	17	-	-	M12x25	9	70	1	
LVE 200	<b>17 0000 8730</b>	WTD 17-3	21,5	17	-	19	M12x25	9	70	4	
	<b>17 0000 6010</b>	WTS 17-4	22	17	-	-	M12x25	9	70	1	

**T-Nutensteine für Spannfutter mit Zollverzahnung**

**Verzahnung 90°**

**T-Nuts for chucks with inch serration**

**Serration 90°**

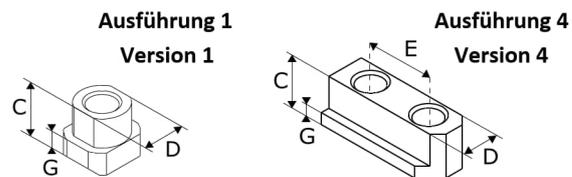
Futtertyp/Chuck type	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max. Anzugsmoment Nm		Ausführung Version
									Max. tightening torque Nm		
SPD 215; SPO 215; SSH 200; SSP 200	<b>17 0000 8730</b>	WTD 17-3	21,5	17	-	19	M12x25	9	70	4	
	<b>17 0000 6010</b>	WTS 17-4	22	17	-	-	M12x25	9	70	1	
<b>ab Ø 250mm / from Ø 250mm</b>											
KFA 250	<b>17 0001 1270</b>	WTS 25,5-4	33,7	25,5	-	-	M20x45	15,5	220	1	
KFD 250; KFD-AF 250; KFD-EC 250	<b>17 0000 6020</b>	WTS 21-6	25,5	21	-	-	M16x35	11	150	1	
KFD-G 250	<b>17 0001 1270</b>	WTS 25,5-4	33,7	25,5	-	-	M20x45	15,5	220	1	
KFD-HE 254; KFD-HF 250	<b>17 0000 6020</b>	WTS 21-6	25,5	21	-	-	M16x35	11	150	1	
KFD-HS 250	<b>17 0001 2240</b>	WTD 17-5	25,5	17	21	19	M12x30	11	70	6	
	<b>17 0000 6060</b>	WTS 17-9	25,5	17	21	-	M12x30	11	70	3	
	<b>17 0001 2250</b>	WTD 21-7	25,5	21	-	25	M16x30	11	150	4	
	<b>17 0000 6020</b>	WTS 21-6	25,5	21	-	-	M16x35	11	150	1	
KFH 250; KFH-F 250; KFH-G 250; KFH-NC 250	<b>17 0000 6020</b>	WTS 21-6	25,5	21	-	-	M16x35	11	150	1	
KFL 250	<b>17 0000 6010</b>	WTS 17-4	22	17	-	-	M12x25	9	70	1	
LVE 250	<b>17 0000 6020</b>	WTS 21-6	25,5	21	-	-	M16x35	11	150	1	
SSH 250; SSP 250	<b>17 0000 6020</b>	WTS 21-6	25,5	21	-	-	M16x35	11	150	1	
<b>ab Ø 315mm / from Ø 315mm</b>											
KFA 315	<b>17 0001 1270</b>	WTS 25,5-4	33,7	25,5	-	-	M20x45	15,5	220	1	
KFD 315; KFD-AF 315; KFD-EC 315	<b>17 0000 6020</b>	WTS 21-6	25,5	21	-	-	M16x35	11	150	1	
KFD-G 315	<b>17 0001 1270</b>	WTS 25,5-4	33,7	25,5	-	-	M20x45	15,5	220	1	
KFD-HE 315-91; KFD-HE 315-121; KFD-HF 315; KFD-HS 315-86; KFD-HS 315-108	<b>17 0001 2250</b>	WTD 21-7	25,5	21	-	25	M16x30	11	150	4	
	<b>17 0000 6020</b>	WTS 21-6	25,5	21	-	-	M16x35	11	150	1	
KFH 315; KFH-F 315; KFH-G 315; KFH-NC 315	<b>17 0000 6020</b>	WTS 21-6	25,5	21	-	-	M16x35	11	150	1	
KFL 315	<b>17 0000 6020</b>	WTS 21-6	25,5	21	-	-	M16x35	11	150	1	
LVE 315	<b>17 0000 6020</b>	WTS 21-6	25,5	21	-	-	M16x35	11	150	1	
SPD 300; SPO 300; SSH 315; SSP 315	<b>17 0000 6020</b>	WTS 21-6	25,5	21	-	-	M16x35	11	150	1	
<b>ab Ø 400mm / from Ø 400mm</b>											
KFD 400; KFD-EC 400; KFD-G 400; KFD-HE 400; KFD-HF 400; KFD-HS 400	<b>17 0001 1270</b>	WTS 25,5-4	33,7	25,5	-	-	M20x45	15,5	220	1	
KFH 400; KFH-F 400; KFH-G 400; KFH-NC 400	<b>17 0001 1270</b>	WTS 25,5-4	33,7	25,5	-	-	M20x45	15,5	220	1	
KFL 400	<b>17 0000 6020</b>	WTS 21-6	25,5	21	-	-	M16x35	11	150	1	
LVE 400-165; LVE 400-165 ES	<b>17 0001 1270</b>	WTS 25,5-4	33,7	25,5	-	-	M20x45	15,5	220	1	
<b>ab Ø 500mm / from Ø 500mm</b>											
KFD 500; KFD-HF 500; KFD-HS 500	<b>17 0001 1270</b>	WTS 25,5-4	33,7	25,5	-	-	M20x45	15,5	220	1	
KFH 500; KFH-F 500; KFH-G 500; KFH-NC 500	<b>17 0001 1270</b>	WTS 25,5-4	33,7	25,5	-	-	M20x45	15,5	220	1	
KFL 500	<b>17 0001 1270</b>	WTS 25,5-4	33,7	25,5	-	-	M20x45	15,5	220	1	
LVE 500-230; LVE 500-230 ES	<b>17 0001 1270</b>	WTS 25,5-4	33,7	25,5	-	-	M20x45	15,5	220	1	
<b>ab Ø 600mm / from Ø 600mm</b>											
KFD 630; KFD-HF 630	<b>17 0001 1270</b>	WTS 25,5-4	33,7	25,5	-	-	M20x45	15,5	220	1	
KFL 600	<b>17 0001 1270</b>	WTS 25,5-4	33,7	25,5	-	-	M20x45	15,5	220	1	
LVE 630-310; LVE 630-310 ES	<b>17 0001 1270</b>	WTS 25,5-4	33,7	25,5	-	-	M20x45	15,5	220	1	
<b>ab Ø 800mm / from Ø 800mm</b>											
KFD 800	<b>17 0001 1270</b>	WTS 25,5-4	33,7	25,5	-	-	M20x45	15,5	220	1	
LVE 800-410; LVE 800-410 ES	<b>17 0001 1270</b>	WTS 25,5-4	33,7	25,5	-	-	M20x45	15,5	220	1	
<b>ab Ø 1000mm / from Ø 1000mm</b>											
LVE 1000-535; LVE 1000-535 ES	<b>17 0001 1270</b>	WTS 25,5-4	33,7	25,5	-	-	M20x45	15,5	220	1	

**T-Nutensteine für Spannfutter / Metrische Verzahnung**

T-Nuts for chucks with metric serration

Verzahnung 60°

Serration 60°



Futtertyp/Chuck type ab Ø 110mm / from Ø 110mm	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max. Anzugsmoment Nm Max. tightening torque Nm		Ausführung Version
KFD-HE 110; KFD-HE 130	<b>17 0001 1440</b>	WTS 10-1	15,5	10	-	-	M8x20	6,5	30	1	
KFM 130	<b>17 0001 1450</b>	WTS 11-2	15,5	11	-	-	M8x20	6,5	30	1	
KFN 105	<b>17 0001 1440</b>	WTS 10-1	15,5	10	-	-	M8x20	6,5	30	1	
KFN 130	<b>17 0001 1450</b>	WTS 11-2	15,5	11	-	-	M8x20	6,5	30	1	
<b>ab Ø 160mm / from Ø 160mm</b>											
KFD-HE 170	<b>17 0000 3230</b>	WTD 12-3	18,5	12	-	20	M10x25	7,5	50	4	
	<b>17 0000 3280</b>	WTS 12-2	18,5	12	-	-	M10x25	7,5	50	1	
KFE 170; KFG 160; KFM 160; KFN 160	<b>17 0001 1450</b>	WTS 11-2	15,5	11	-	-	M8x20	6,5	30	1	
<b>ab Ø 210mm / from Ø 210mm</b>											
KFD-HE 210	<b>17 0000 3240</b>	WTD 14-3	20,5	14	-	25	M12x30	8,5	70	4	
	<b>17 0000 3290</b>	WTS 14-4	20,5	14	-	-	M12x30	8,5	70	1	
KFE 215; KFG 215; KFM 215; KFN 215	<b>17 0001 1460</b>	WTS 14-7	16,5	14	-	-	M10x20	6,5	50	1	
<b>ab Ø 250mm / from Ø 250mm</b>											
KFD-HE 254	<b>17 0000 3250</b>	WTD 16-2	21,5	16	-	30	M12x30	8,5	70	4	
	<b>17 0000 3300</b>	WTS 16-2	21,5	16	-	-	M12x30	8,5	70	1	
KFE 280; KFG 280; KFM 280; KFN 250; KFN 280	<b>17 0001 1470</b>	WTS 20-1	21,5	20	-	-	M12x30	8,5	70	1	
<b>ab Ø 315mm / from Ø 315mm</b>											
KFD-HE 315-91; KFD-HE 315-121	<b>17 0000 3260</b>	WTD 21-3	28	21	-	30	M16x40	11,5	150	4	
	<b>17 0000 3310</b>	WTS 21-4	28	21	-	-	M16x40	11,5	150	1	
KFE 350; KFG 350; KFM 350; KFN 350	<b>17 0001 1480</b>	WTS 21-7	23	21	-	-	M16x35	8,5	150	1	

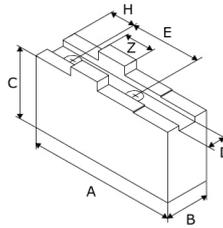
# Weiche Aufsatzbacken

## Soft top jaws

**Metrische Kreuzversatz**

**Metric tongue and groove**

**Stahl / Steel**

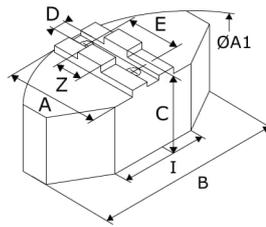


<b>Futtertyp/Chuck type</b> Metrische Kreuzversatz/Metric tongue and groove	<b>Index/Id.-No</b>	<b>Typ/Type</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>Schrauben Screws</b>	<b>H</b>	<b>Z</b>
DURO 160; DURO-NC 140; DURO-NC 160; DURO-NC 175; DURO-NCES 175; DURO-NCSE 170; DURO-NCSE 180; DURO-NCSE Flex 180; DURO-T 160	<b>17 0000 2640</b>	MKS-RM 160-1	85	20	40	8	32	M8	18	18
DURO 200; DURO-NC 200; DURO-NCES 200; DURO-NCSE 210; DURO-NCSE 215; DURO-NCSE 225; DURO-NCSE Flex 215; DURO-T 200	<b>17 0000 2650</b>	MKS-RM 200-1	105	25	50	10	40	M8	25	20
DURO 250; DURO-NC 250; DURO-NCES 250; DURO-NCES 315; DURO-NCSE 265; DURO-NCSE 315; DURO-NCSE Flex 260; DURO-T 250	<b>17 0000 2660</b>	MKS-RM 250-5	125	30	60	12	40	M12	25	20
DURO 315; DURO-NC 315; DURO-NCES 400; DURO-NCSE 400; DURO-T 315	<b>17 0000 2670</b>	MKS-RM 315-1	140	35	60	12	54	M12	30	26
DURO 400; DURO 500; DURO-NC 400; DURO-NC 500; DURO-NCSE 500; DURO-NCSE 630; DURO-T 400; DURO-T 500	<b>17 0000 2680</b>	MKS-RM 400-1	180	50	80	18	60	M16	35	30

# Segmentbacken

Soft full grip jaws

Metrische Kreuzversatz  
Metric tongue and groove  
Stahl / Steel C45



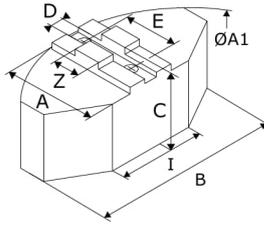
Futtertyp/Chuck type Metrische Kreuzversatz/Metric tongue and groove	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	Z	I	A1
DURO 160; DURO-NC 160; DURO-NC 175; DURO-NCES 175; DURO-NCSE 170; DURO-NCSE 180; DURO-NCSE Flex 180; DURO-T 160	<b>17 0000 2750</b>	GPS-RM 160-1	60	120	50	8	32	M8	16	18	40	160
DURO 200; DURO-NC 200; DURO-NCES 200; DURO-NCSE 210; DURO-NCSE 215; DURO-NCSE 225; DURO-NCSE Flex 215; DURO-T 200	<b>17 0000 2760</b>	GPS-RM 200-1	70	140	60	10	40	M8	17	20	65	200
DURO 250; DURO-NC 250; DURO-NCES 250; DURO-NCES 315; DURO-NCSE 265; DURO-NCSE 315; DURO-NCSE Flex 260; DURO-T 250	<b>17 0000 2770</b>	GPS-RM 250-1	90	180	60	12	40	M12	34	20	70	250
DURO 315; DURO-NC 315; DURO-NCES 400; DURO-NCSE 400; DURO-T 315	<b>17 0000 2780</b>	GPS-RM 315-1	110	240	75	12	54	M12	40	26	120	320
DURO 400; DURO 500; DURO-NC 400; DURO-NC 500; DURO-NCSE 500; DURO-NCSE 630; DURO-T 400; DURO-T 500	<b>17 0000 2790</b>	GPS-RM 400-1	160	330	85	18	60	M16	80	30	150	440

# Segmentbacken

Soft full grip jaws

Metrische Kreuzversatz  
Metric tongue and groove

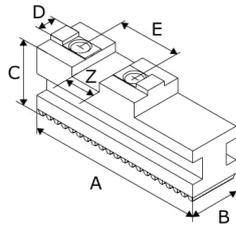
Aluminium / Aluminum



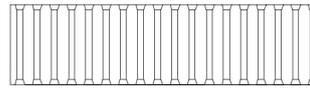
Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	Z	I	A1
DURO 160; DURO-NC 160; DURO-NC 175; DURO-NCES 175; DURO-NCSE 170; DURO-NCSE 180; DURO-NCSE Flex 180; DURO-T 160	<b>17 0000 2800</b>	GPA-RM 160-1	60	120	50	8	32	M8	16	18	40	160
DURO 200; DURO-NC 200; DURO-NCES 200; DURO-NCSE 210; DURO-NCSE 215; DURO-NCSE 225; DURO-NCSE Flex 215; DURO-T 200	<b>17 0000 2810</b>	GPA-RM 200-1	70	140	60	10	40	M8	17	20	65	200
DURO 250; DURO-NC 250; DURO-NCES 250; DURO-NCES 315; DURO-NCSE 265; DURO-NCSE 315; DURO-NCSE Flex 260; DURO-T 250	<b>17 0000 2820</b>	GPA-RM 250-1	90	180	60	12	40	M12	34	20	70	250
DURO 315; DURO-NC 315; DURO-NCES 400; DURO-NCSE 400; DURO-T 315	<b>17 0000 2830</b>	GPA-RM 315-1	110	240	75	12	54	M12	40	26	120	320

# Grundbacken

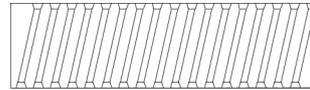
## Base jaws



### System Reishauer



### System Forkardt



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	Z
<b>System Reishauer-Gerade Verzahnung / straight serration</b>									
DURO-NCES 175; DURO-NCSE 170; DURO-NCSE 180; DURO-NCSE Flex 180	<b>17 0000 2850</b>	SPT-ZR 160-1	65	20	27,5	8	32	M8	18
DURO-NCES 200; DURO-NCSE 210; DURO-NCSE 215; DURO-NCSE 225; DURO-NCSE Flex 215	<b>17 0000 2860</b>	SPT-ZR 200-1	85	22	29,5	10	40	M8	20
DURO-NCES 250; DURO-NCSE 265; DURO-NCSE Flex 260	<b>17 0000 2870</b>	SPT-ZR 250-1	104	26	37	12	40	M12	20
DURO-NCES 315; DURO-NCSE 315	<b>17 0000 2880</b>	SPT-ZR 315-1	115	32	43	12	40	M12	20
DURO-NCES 400; DURO-NCSE 400	<b>17 0000 2890</b>	SPT-ZR 400-1	125	32	43	12	54	M12	26
DURO-NCSE 500	<b>17 0000 2900</b>	SPT-ZR 500-1	160	45	57	18	60	M16	30
DURO-NCSE 630	<b>17 0000 2910</b>	SPT-ZR 630-1	200	45	57	18	60	M16	30
<b>System Forkardt-Schräge Verzahnung-angled serration</b>									
DURO 160; DURO-NC 160; DURO-NC 175; DURO-T 160	<b>17 0000 2920</b>	SPT-ZF 160-1	74	20	27	8	32	M8x1	18
DURO 200; DURO-NC 200; DURO-T 200	<b>17 0000 2930</b>	SPT-ZF 200-1	90	22	32	10	40	M8x1	20
DURO 250; DURO-NC 250; DURO-T 250	<b>17 0000 2940</b>	SPT-ZF 250-1	110	26	37	12	40	M12x1,5	20
DURO 315; DURO-NC 315; DURO-T 315	<b>17 0000 2950</b>	SPT-ZF 315-1	125	32	43	12	54	M12x1,5	26
DURO 400; DURO 500; DURO-NC 400; DURO-NC 500; DURO-T 400; DURO-T 500	<b>17 0000 2960</b>	SPT-ZF 400-1	160	45	51	18	60	M16x1,5	30
DURO 630; DURO-NC 630; DURO-T 630	<b>17 0000 2970</b>	SPT-ZF 630-1	230	65	58	24	82	M20	40

# SAMCHULLY

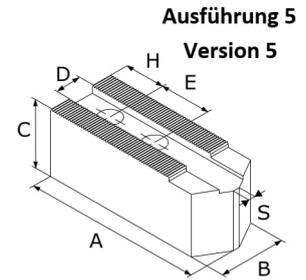
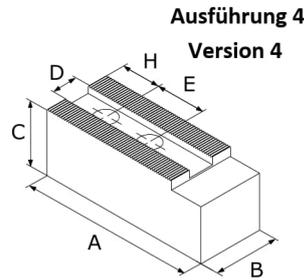
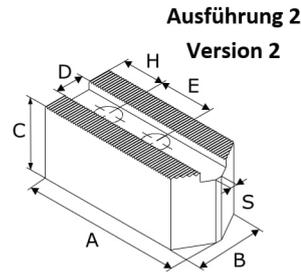
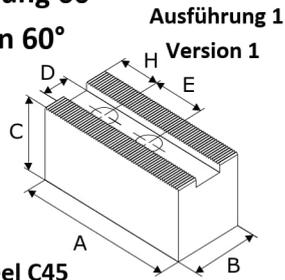
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# Weiche Aufsatzbacken

## Soft top jaws

Verzahnung 60°

Serration 60°



Stahl/Steel C45

Futtertyp/Chuck type Verzahnung 1.5mm x 60° / Serration 1.5mm x 60°	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausföhrung Version
HCH-04	<b>17 0000 3870</b>	MTS-M 110-4	48	20	40	8	15	M6	8	4	2
HC-04; HCL-04; HS-05; MCA-04; RTC-110	<b>17 0000 7060</b>	MTS-M 110-1	55	25	32	10	14	M8	13	4	2
	<b>17 0000 4010</b>	MTS-M 110-3	55	22	47	10	14	M8	13	4	2
HC-05	<b>17 0001 1720</b>	MTS-M 135-3	55	22	47	10	19	M8	10	4	2
HCT-04 <sup>3)</sup>	<b>17 0000 7240</b>	2MKS-M 110-1	55	25	50	10	14	M8	13	-	1
HCT-05 <sup>3)</sup>	<b>17 0000 7250</b>	2MKS-M 135-1	62	25	50	10	19	M8	10	-	1
HC-06; HCH-06; HCL-06; HS-06; HSL-06; MCA-06; MCH-06; MH-206; RTC-160	<b>17 0000 7810</b>	MKS-M 165-1	72	32	32	12	20	M10	15	-	1
	<b>17 0001 1630</b>	MKS-M 165-2	72	35	60	12	20	M10	15	-	1
	<b>17 0000 0840</b>	MTS-M 165-3	75	30	30	12	20	M10	15	13	2
	<b>17 0000 0850</b>	MTS-M 165-4	81	30	30	12	20	M10	15	13	2
	<b>17 0000 7820</b>	MTS-M 165-1	82	32	32	12	20	M10	15	4	5
	<b>17 0001 1760</b>	MTS-M 165-2	82	35	60	12	20	M10	15	4	5
HCLT-06 <sup>3)</sup> ; HCT-06 <sup>3)</sup> ; HST-06 <sup>3)</sup> ; MHT-206 <sup>3)</sup>	<b>17 0000 7260</b>	2MKS-M 165-1	72	35	60	12	20	M10	15	-	1
HC-08; HCH-08; HCL-08; HS-08; HSL-08; MCA-08; MH-208; RTC-210	<b>17 0000 0860</b>	MTS-M 210-4	95	35	35	14	25	M12	20	15	2
	<b>17 0000 7830</b>	MKS-M 210-1	95	35	40	14	25	M12	24	-	1
	<b>17 0001 1640</b>	MKS-M 210-2	95	35	60	14	25	M12	24	-	1
	<b>17 0001 1650</b>	MKS-M 210-3	95	40	80	14	25	M12	24	-	1
	<b>17 0000 4750</b>	MKS-M 210-4	95	40	100	14	25	M12	24	-	1
	<b>17 0000 7840</b>	MTS-M 210-1	102	35	40	14	25	M12	20	4	5
	<b>17 0000 0880</b>	MTS-M 210-5	102	35	40	14	25	M12	20	15	2
	<b>17 0000 4760</b>	MTS-M 210-2	102	40	80	14	25	M12	20	4	5
	<b>17 0000 4770</b>	MTS-M 210-3	102	40	100	14	25	M12	20	4	5
HCF-08 <sup>12)</sup> ; HCLT-08 <sup>3)</sup> ; HCT-08 <sup>3)</sup> ; HSF-08 <sup>12)</sup> ; HST-08 <sup>3)</sup> ; MHF-208 <sup>12)</sup> ; MHT-208 <sup>3)</sup>	<b>17 0000 7270</b>	2MKS-M 210-1	95	40	60	14	25	M12	24	-	1
HC-10; HCH-10; HCL-10; HS-10; HSL-10; MCA-10; MH-210; RTC-260	<b>17 0000 7080</b>	MKS-M 250-6	90	40	60	16	30	M12	15	-	1
	<b>17 0000 7090</b>	MKS-M 250-7	90	50	80	16	30	M12	15	-	1
	<b>17 0000 0890</b>	MTS-M 250-4	110	40	40	16	30	M12	20	17	2
	<b>17 0000 7850</b>	MKS-M 250-1	110	40	42	16	30	M12	30	-	1
	<b>17 0000 7860</b>	MKS-M 250-2	110	40	60	16	30	M12	30	-	1
	<b>17 0000 1200</b>	MTS-M 250-5	110	40	60	16	30	M12	20	17	2
	<b>17 0001 1660</b>	MKS-M 250-3	110	40	80	16	30	M12	30	-	1
	<b>17 0001 1670</b>	MKS-M 250-4	120	40	100	16	30	M12	30	-	1
	<b>17 0000 1230</b>	MKS-M 250-5	120	40	120	16	30	M12	30	-	1
	<b>17 0000 7100</b>	MKS-M 250-8	120	50	50	16	30	M12	30	-	1
	<b>17 0001 1600</b>	MTS-M 250-1	125	40	42	16	30	M12	30	4	5
	<b>17 0001 1710</b>	MTS-M 250-2	125	40	60	16	30	M12	30	4	5
	<b>17 0000 7070</b>	MTS-M 250-3	125	40	100	16	30	M12	30	4	5
	HCLF-10 <sup>12)</sup> ; HCLT-10 <sup>3)</sup> ; HCT-10 <sup>3)</sup> ; HSF-10 <sup>12)</sup> ; HST-10 <sup>3)</sup>	<b>17 0000 7280</b>	2MKS-M 250-1	110	40	80	16	30	M12	30	-

# Weiche Aufsatzbacken

Verzahnung 60°

## Soft top jaws

Serration 60°

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
HC-12; HCH-12; HCL-12	<b>17 0000 7110</b>	MKS-M 300-1	130	50	50	18	30	M14	40	-	1
	<b>17 0000 7120</b>	MKS-M 300-2	130	50	80	18	30	M14	40	-	1
	<b>17 0000 7130</b>	MKS-M 300-3	130	50	120	18	30	M14	40	-	1
	<b>17 0000 7140</b>	MTS-M 300-3	145	50	50	18	30	M14	30	10	5
	<b>17 0000 7150</b>	MTS-M 300-4	145	50	100	18	30	M14	30	10	5
HCF-12 <sup>12)</sup> ; HCLF-12 <sup>12)</sup> ; HCLT-12 <sup>3)</sup> ; HCT-12 <sup>3)</sup>	<b>17 0000 7290</b>	2MKS-M 300-1	130	50	50	18	30	M14	40	-	1
HS-12; HSL-12; MH-212	<b>17 0001 1610</b>	MKS-M 300-4	129	50	60	21	30	M16	39	-	1
	<b>17 0001 1680</b>	MKS-M 300-5	129	50	80	21	30	M16	39	-	1
	<b>17 0000 1250</b>	MKS-M 300-6	129	50	100	21	30	M16	25	-	1
	<b>17 0000 1260</b>	MKS-M 300-7	129	50	120	21	30	M16	25	-	1
	<b>17 0000 7160</b>	MKS-M 300-9	140	50	100	21	30	M16	30	-	1
	<b>17 0001 1620</b>	MTS-M 300-5	145	50	50	21	30	M16	30	10	5
	<b>17 0000 7170</b>	MTS-M 300-6	145	50	100	21	30	M16	30	10	5
HSF-12 <sup>12)</sup> ; HST-12 <sup>3)</sup>	<b>17 0000 7300</b>	2MKS-M 300-2	110	50	60	21	30	M16	21	-	1
HCH-15; HCH-18	<b>17 0000 3060</b>	MKS-M 380-1	165	60	60	22	43	M20	37	-	1
	<b>17 0000 4100</b>	MKS-M 380-2	165	60	80	22	43	M20	37	-	1
	<b>17 0000 4120</b>	MKS-M 380-3	165	60	120	22	43	M20	37	-	1
	<b>17 0000 7180</b>	MTS-M 380-1	185	60	60	22	43	M20	30	10	5
HCHF-15 <sup>12)</sup> ; HCHF-18 <sup>12)</sup> ; HCHT-15 <sup>3)</sup>	<b>17 0000 8840</b>	2MKS-M 380-1	165	60	60	22	43	M20	37	-	1
HC-15; HC-15SE; HC-18; HC-18SE	<b>17 0000 3050</b>	MKS-M 380-5	135	60	60	25,5	43	M20	26	-	1
	<b>17 0000 4070</b>	MKS-M 380-6	135	60	80	25,5	43	M20	26	-	1
	<b>17 0000 4090</b>	MKS-M 380-7	135	60	120	25,5	43	M20	26	-	1
	<b>17 0000 3070</b>	MKS-M 380-8	165	60	60	25,5	43	M20	37	-	1
	<b>17 0000 4140</b>	MKS-M 380-9	165	60	80	25,5	43	M20	37	-	1
	<b>17 0000 4160</b>	MKS-M 380-10	165	60	120	25,5	43	M20	37	-	1
<b>Verzahnung 3mm x 60° / Serration 3mm x 60°</b>											
MH-218	<b>17 0000 7230</b>	MKS-M 530-1	150	60	80	22	50	M20	45	-	1
HC-21; HC-21SE; HC-24; HC-24SE; HCH-21; HCH-24; MH-221; MH-224	<b>17 0000 7210</b>	MKS-M 530-2	180	75	115	25	60	M20	50	-	1
	<b>17 0000 7220</b>	MKS-M 530-3	180	75	155	25	60	M20	50	-	1
	<b>17 0000 7190</b>	MKS-M 530-4	195	80	80	25	60	M20	50	-	1
	<b>17 0000 3910</b>	MKS-M 530-5	200	70	70	25	60	M20	40	-	1
	<b>17 0000 3920</b>	MKS-M 530-6	250	70	70	25	60	M20	40	-	4

3) Zweibackenfutter

3) 2-jaw chuck

12) 4-Backenfutter – bitte 2 Sätze bestellen

12) 4-jaw chuck – please order 2 sets per 2 pcs

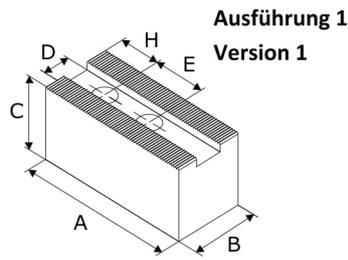
# Weiche Aufsatzbacken

## Soft top jaws

Verzahnung 60°

Serration 60°

Aluminium / Aluminum



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
HC-06; HCH-06; HCL-06; HS-06; HSL-06; MCA-06; MCH-06; MH-206; RTC-160	<b>17 0000 7310</b>	MKA-M 165-1	72	35	50	12	20	M10	15	-	1
HC-08; HCH-08; HCL-08; HS-08; HSL-08; MCA-08; MH-208; RTC-210	<b>17 0000 7320</b>	MKA-M 210-1	90	40	60	14	25	M12	20	-	1
HC-10; HCH-10; HCL-10; HS-10; HSL-10; MCA-10; MH-210; RTC-260	<b>17 0000 7330</b>	MKA-M 250-1	110	40	60	16	30	M12	25	-	1
HC-12; HCH-12; HCL-12	<b>17 0000 7340</b>	MKA-M 300-1	130	50	80	18	30	M14	40	-	1
HS-12; HSL-12; MH-212	<b>17 0000 7350</b>	MKA-M 300-2	130	50	80	21	30	M16	40	-	1
HC-15 <sup>6)</sup> ; HC-15SE <sup>6)</sup> ; HC-18 <sup>6)</sup> ; HC-18SE <sup>6)</sup> ; HCH-15; HCH-18	<b>17 0000 7360</b>	MKA-M 380-2	145	60	80	22	43	M20	40	-	1

6) Bitte überprüfen Sie die Nutbreite.

Bei Bedarf bitte abgestufte Nutzensteine verwenden

6) Please check the slot width.

If necessary please use stepped T-nuts

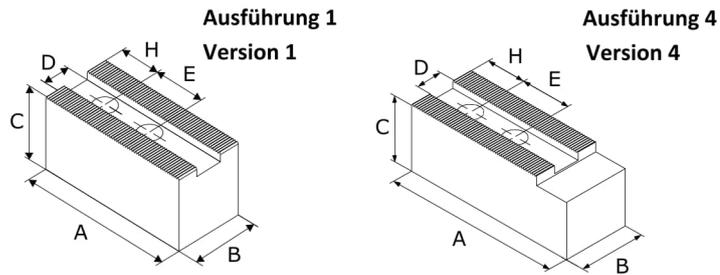
# Weiche Aufsatzbacken

## Soft top jaws

Verzahnung 90°

Serration 90°

Stahl/Steel C45



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
PAC-47191; PAC-50230; PAC-60275	<b>17 0000 7000</b>	MKS-C 400-1	140	60	80	25,5	35	M20	30	-	1
	<b>17 0000 7010</b>	MKS-C 400-2	155	60	90	25,5	35	M20	30	-	1
PAC-63325	<b>17 0000 6510</b>	MKS-C 600-1	240	75	90	30	65	M24	42	-	4
PAC-85375; PAC-10056	<b>17 0000 6520</b>	MKS-C 600-2	300	75	90	30	65	M24	68	-	4

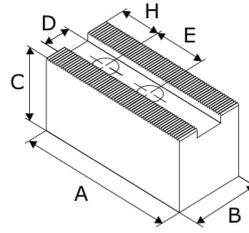
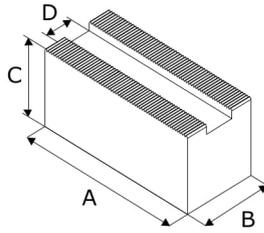
# Weiche Aufsatzbacken gebohrt oder ungebohrt

Soft jaw blanks, without or with bolt holes

Verzahnung 60°

Serration 60°

Stahl / Steel C45



**Ungebohrt**

Without bolt holes

**Geböhrt**

With bolt holes

**Futtertyp / Chuck type**

Verzahnung 1,5mm x60° / Serration 1,5mm x60°

	Index / Id.-No	Typ/Type	Index / Id.-No	Typ/Type	A	B	C	D
HC-04; HC-05; HCL-04; HCT-04 <sup>3)</sup> ; HCT-05 <sup>3)</sup> ; HS-05; MCA-04; RTC-110	<b>17 0000 6540</b>	MBS-M 110-1	<b>17 0000 6541</b>	MWS-M 110-1	55	25	50	10
HC-06; HCH-06; HCL-06; HCLT-06 <sup>3)</sup> ; HCT-06 <sup>3)</sup> ; HS-06; HSL-06; HST-06 <sup>3)</sup> ; MCA-06; MCH-06; MH-206; MHT-206 <sup>3)</sup> ; RTC-160	<b>17 0000 6550</b>	MBS-M 165-1	<b>17 0000 6551</b>	MWS-M 165-1	81	30	60	12
HC-08; HCF-08 <sup>8)</sup> ; HCH-08; HCL-08; HCLT-08 <sup>3)</sup> ; HCT-08 <sup>3)</sup> ; HS-08; HSF-08 <sup>8)</sup> ; HSL-08; HST-08 <sup>3)</sup> ; MCA-08; MH-208; MHF-208 <sup>8)</sup> ; MHT-208 <sup>3)</sup> ; RTC-210	<b>17 0000 5000</b>	MBS-M 210-1	<b>17 0000 5001</b>	MWS-M 210-1	95	35	35	14
	<b>17 0000 5010</b>	MBS-M 210-2	<b>17 0000 5011</b>	MWS-M 210-2	95	40	60	14
	<b>17 0000 5020</b>	MBS-M 210-3	<b>17 0000 5021</b>	MWS-M 210-3	95	40	80	14
	<b>17 0000 5030</b>	MBS-M 210-4	<b>17 0000 5031</b>	MWS-M 210-4	95	40	100	14
	<b>17 0000 5040</b>	MBS-M 210-5	<b>17 0000 5041</b>	MWS-M 210-5	102	40	80	14
	<b>17 0000 5050</b>	MBS-M 210-6	<b>17 0000 5051</b>	MWS-M 210-6	102	40	100	14
HC-10; HCH-10; HCL-10; HCLF-10 <sup>8)</sup> ; HCLT-10 <sup>3)</sup> ; HCT-10 <sup>3)</sup> ; HS-10; HSF-10 <sup>8)</sup> ; HSL-10; HST-10 <sup>3)</sup> ; MCA-10; MH-210; RTC-260	<b>17 0000 5060</b>	MBS-M 250-1	<b>17 0000 5061</b>	MWS-M 250-1	110	40	40	16
	<b>17 0000 5070</b>	MBS-M 250-2	<b>17 0000 5071</b>	MWS-M 250-2	110	40	60	16
	<b>17 0000 5080</b>	MBS-M 250-3	<b>17 0000 5081</b>	MWS-M 250-3	110	40	80	16
	<b>17 0000 5090</b>	MBS-M 250-4	<b>17 0000 5091</b>	MWS-M 250-4	110	40	100	16
	<b>17 0000 5100</b>	MBS-M 250-5	<b>17 0000 5101</b>	MWS-M 250-5	129	40	60	16
HS-12; HSF-12 <sup>8)</sup> ; HSL-12; HST-12 <sup>3)</sup> ; MH-212	<b>17 0000 5110</b>	MBS-M 300-1	<b>17 0000 5111</b>	MWS-M 300-1	129	50	80	21
	<b>17 0000 5120</b>	MBS-M 300-2	<b>17 0000 5121</b>	MWS-M 300-2	129	50	100	21
	<b>17 0000 5130</b>	MBS-M 300-3	<b>17 0000 5131</b>	MWS-M 300-3	129	50	120	21

3) Zweibackenfutter

3) 2-jaw chuck

8) 4-Backenfutter

8) 4-jaw chuck

Für gebohrte Backenrohlinge geben Sie bitte die Maße H und E an

For jaws with bolt holes please indicate H and E dimensions

Nutbreite 10 mm  
Bohrung für M8  
Mindestwert:  
H = 8 mm, E = 14 mm

Nutbreite 12 mm  
Bohrung für M10  
Mindestwert:  
H = 12 mm, E = 16 mm

Slot width 10 mm  
bored for M8  
Minimum values:  
H = 8 mm, E = 14 mm

Slot width 12 mm  
bored for M10  
Minimum values:  
H = 12 mm, E = 16 mm

Nutbreite 14 mm  
Bohrung für M12  
Mindestwert:  
H = 12 mm, E = 19 mm

Nutbreite 16 mm  
Bohrung für M12  
Mindestwert:  
H = 12 mm, E = 19 mm

Slot width 14 mm  
bored for M12  
Minimum values:  
H = 12 mm, E = 19 mm

Slot width 16 mm  
bored for M12  
Minimum values:  
H = 12 mm, E = 19 mm

Nutbreite 21 mm  
Bohrung für M16  
Mindestwert:  
H = 15 mm, E = 25 mm

Slot width 21 mm  
bored for M16  
Minimum values:  
H = 15 mm, E = 25 mm

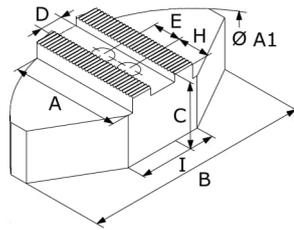
# Segmentbacken

Soft full grip jaws

Verzahnung 60°

Serration 60°

Stahl / Steel C45



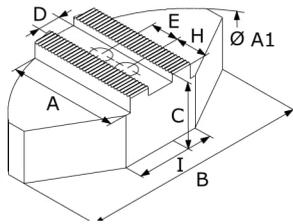
Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	I	A1	Ausführung Version
HC-06; HCH-06; HCL-06; HS-06; HSL-06; MCA-06; MCH-06; MH-206; RTC-160	<b>17 0000 1380</b>	GPS-M 165-1	60	120	50	12	20	M10	25	50	160	1
HC-08; HCH-08; HCL-08; HS-08; HSL-08; MCA-08; MH-208; RTC-210	<b>17 0000 1390</b>	GPS-M 210-1	70	140	60	14	25	M12	30	70	200	1
	<b>17 0000 6610</b>	GPS-M 210-2	70	140	80	14	25	M12	30	70	200	1
HC-10; HCH-10; HCL-10; HS-10; HSL-10; MCA-10; MH-210; RTC-260	<b>17 0000 1400</b>	GPS-M 250-1	80	180	60	16	30	M12	30	100	250	1
	<b>17 0000 6620</b>	GPS-M 250-2	80	180	80	16	30	M12	30	100	250	1
HC-12; HCH-12; HCL-12	<b>17 0000 4220</b>	GPS-M 300-1	110	240	70	18	30	M14	40	120	300	1
HS-12; HSL-12; MH-212	<b>17 0000 1410</b>	GPS-M 300-2	110	240	70	21	30	M16	45	120	300	1

# Segmentbacken

Soft full grip jaws

Verzahnung 60°

Serration 60°



Aluminium / Aluminum

Futtertyp/Chuck type Verzahnung 1,5mm x 60° / Serration 1,5mm x 60°	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	I	A1	Ausführung Version
HC-06; HCH-06; HCL-06; HS-06; HSL-06; MCA-06; MCH-06; MH-206; RTC-160	<b>17 0000 6370</b>	GPA-M 165-1	59,5	120	58	12	20	M10	25	40	165	1
HC-08; HCH-08; HCL-08; HS-08; HSL-08; MCA-08; MH-208; RTC-210	<b>17 0000 6380</b>	GPA-M 210-1	72,5	140	58	14	25	M12	35	50	200	1
	<b>17 0000 6390</b>	GPA-M 210-2	72,5	140	80	14	25	M12	35	50	200	1
HC-10; HCH-10; HCL-10; HS-10; HSL-10; MCA-10; MH-210; RTC-260	<b>17 0000 6400</b>	GPA-M 250-1	87,5	180	58	16	30	M12	40	70	250	1
	<b>17 0000 6410</b>	GPA-M 250-2	87,5	180	80	16	30	M12	40	70	250	1
HC-12; HCH-12; HCL-12	<b>17 0000 6420</b>	GPA-M 300-1	117	240	78	18	30	M14	40	80	320	1
HS-12; HSL-12; MH-212	<b>17 0000 6430</b>	GPA-M 300-2	117	240	78	21	30	M16	45	80	320	1

# Harte Aufsatzbacken

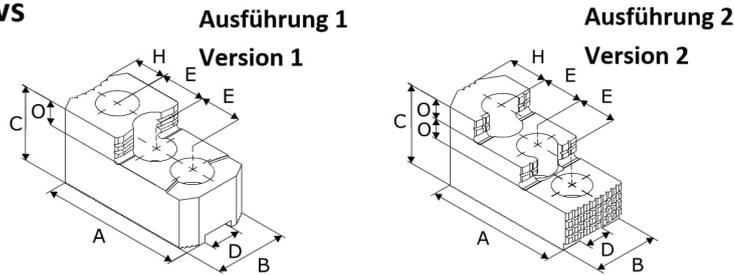
## Hard stepped top jaws

Verzahnung 60°

Serration 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp / Chuck type	Index / Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	O	Ausführung Version
Verzahnung 1,5mm x 60° / Serration 1,5mm x 60°											
HC-04; HCL-04; HS-05; MCA-04; RTC-110	17 0000 4260	SGT-M 110-1	53	23	28	10	14	M8	14	10	1
HCT-04 <sup>3)</sup> ; HCT-05 <sup>3)</sup>	17 0001 1290	2SGT-M 110-1	53	23	28	10	14	M8	14	10	1
HC-06; HCH-06; HCL-06; HS-06; HSL-06; MCA-06; MCH-06; MH-206; RTC-160	17 0000 1540	SGT-M 165-1	67	31	36	12	20	M10	14	12	1
HCLT-06 <sup>3)</sup> ; HCT-06 <sup>3)</sup> ; HST-06 <sup>3)</sup> ; MHT-206 <sup>3)</sup>	17 0001 1300	2SGT-M 165-1	67	31	36	12	20	M10	14	12	1
HC-08; HCH-08; HCL-08; HS-08; HSL-08; MCA-08; MH-208; RTC-210	17 0000 7510	SGT-M 210-1	79	32	38	14	25	M12	16	12	1
	17 0000 1550	SGT-M 210-2	87	35	51	14	25	M12	20,5	12	2
HCLT-08 <sup>3)</sup> ; HCT-08 <sup>3)</sup> ; HST-08 <sup>3)</sup> ; MHT-208 <sup>3)</sup>	17 0001 1310	2SGT-M 210-1	87	35	51	14	25	M12	20,5	12	2
HCF-08 <sup>8)</sup> ; HSF-08 <sup>8)</sup> ; MHF-208 <sup>8)</sup>	17 0001 1320	4SGT-M 210-1	87	35	51	14	25	M12	20,5	12	2
HC-10; HCH-10; HCL-10; HS-10; HSL-10; MCA-10; MH-210; RTC-260	17 0000 1560	SGT-M 250-1	101	40	54	16	30	M12	23	13	2
HCLT-10 <sup>3)</sup> ; HCT-10 <sup>3)</sup> ; HST-10 <sup>3)</sup>	17 0001 1330	2SGT-M 250-1	101	40	54	16	30	M12	23	13	2
HCLF-10 <sup>8)</sup> ; HSF-10 <sup>8)</sup>	17 0001 1340	4SGT-M 250-2	101	40	54	16	30	M12	23	13	2
HC-12; HCH-12; HCL-12	17 0000 4280	SGT-M 300-1	103	50	52	18	30	M14	22,5	17	1
	17 0000 7520	SGT-M 300-2	106	50	62	18	30	M14	20	15	2
HCLT-12 <sup>3)</sup> ; HCT-12 <sup>3)</sup>	17 0001 1350	2SGT-M 300-1	103	50	52	18	30	M14	22,5	17	1
HCF-12 <sup>8)</sup> ; HCLF-12 <sup>8)</sup>	17 0001 1360	4SGT-M 300-1	103	50	52	18	30	M14	22,5	17	1
HS-12; HSL-12; MH-212	17 0000 1570	SGT-M 300-3	103	50	52	21	30	M16	22,5	17	1
	17 0000 7530	SGT-M 300-4	128	50	62	21	30	M16	46	14	2
HST-12 <sup>3)</sup>	17 0001 1370	2SGT-M 300-2	103	50	52	21	30	M16	22,5	17	1
HSF-12 <sup>8)</sup>	17 0001 1380	4SGT-M 300-2	103	50	52	21	30	M16	22,5	17	1
HCH-15; HCH-18	17 0000 3170	SGT-M 380-1	149	62	86	22	43	M20	30,5	20	2
HCHT-15 <sup>3)</sup>	17 0001 1390	2SGT-M 380-1	149	62	86	22	43	M20	30,5	20	2
HCHF-15 <sup>8)</sup> ; HCHF-18 <sup>8)</sup>	17 0001 1400	4SGT-M 380-1	149	62	86	22	43	M20	30,5	20	2
HC-15; HC-15SE; HC-18; HC-18SE	17 0000 3160	SGT-M 380-2	149	62	86	25,5	43	M20	30,5	20	2
HCF-15 <sup>8)</sup> ; HCF-18 <sup>8)</sup>	17 0001 1410	4SGT-M 380-2	149	62	86	25,5	43	M20	30,5	20	2
Verzahnung 3mm x 60° / Serration 3mm x 60°											
HC-21; HC-21SE; HC-24; HC-24SE; HCH-21; HCH-24; MH-221; MH-224	17 0000 4300	SGT-M 530-1	159,5	80	90	25	50	M20	33	40	1
HCF-21 <sup>8)</sup> ; HCF-24 <sup>8)</sup> ; HCHF-21 <sup>8)</sup> ; HCHF-24 <sup>8)</sup>	17 0001 1420	4SGT-M 530-1	159,5	80	90	25	50	M20	33	40	1

3) Zweibackenfutter

3) 2-jaw chuck

8) 4-Backenfutter

8) 4-jaw chuck

# Harte Aufsatzbacken

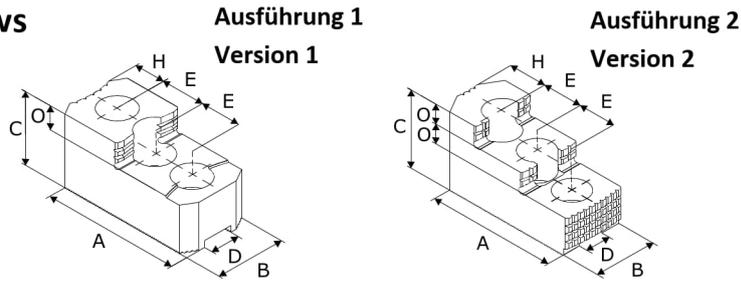
## Hard stepped top jaws

Verzahnung 90°

Serration 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



### Futtertyp / Chuck type

Index / Id.-No

Typ/Type

A

B

C

D

E

Schrauben  
Screws

H

O

Ausführung  
Version

Verzahnung 3/32"x90° / Serration 3/32"x90°

PAC-47191; PAC-50230; PAC-60275	<b>17 0000 1520</b>	SGT-C 400-1	141	60	75	25,5	38	M20	38	19	2
	<b>17 0000 1530</b>	SGT-C 600-1	146	74	74	25,5	38	M20	47	32	1
PAC-63325	<b>17 0000 7490</b>	SGT-C 600-2	174	75	88	30	50	M24	44,5	30	1
PAC-85375; PAC-10056	<b>17 0000 7500</b>	SGT-C 800-1	250	75	105	30	60	M24	92	22	2

# Harte Spannbacken-Stangenspannung

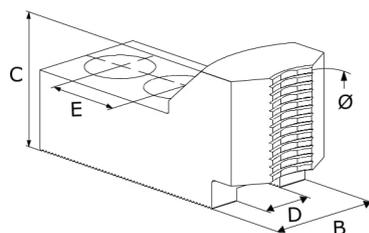
## Hard jaws for bar clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



### Futtertyp / Chuck type

ab Ø 165mm / from Ø 165mm

	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ	B	C	D	E	Schrauben Screws
HC-06	5 - 11	167	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 - 23	167	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
HCH-06	5 - 15	170	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 - 26	170	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
HCL-06	5 - 16	172	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 - 28	172	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
HS-06	5 - 17	173	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 - 29	173	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
HSL-06	5 - 20	176	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 - 31	176	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
MCA-06	5 - 11	166	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 - 23	166	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
MCH-06	5 - 17	173	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 - 29	173	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
MH-206	5 - 27	183	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	16 - 38	183	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
RTC-160	5 - 11	166	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 - 23	166	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10

ab Ø 210mm / from Ø 210mm

HC-08	5 - 23	217	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	16 - 38	217	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
HCH-08	5 - 20	214	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 - 35	214	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
HCL-08	5 - 27	220	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 - 42	220	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
HS-08	5 - 23	217	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 - 38	217	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
HSL-08	5 - 32	226	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 - 47	226	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
MCA-08	10 - 22	215	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	26 - 37	215	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
MH-208	5 - 25	219	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	16 - 40	219	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
RTC-210	10 - 22	215	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	26 - 37	215	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12

ab Ø 254mm / from Ø 254mm

HC-10	5 - 24	252	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 - 49	252	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
HCH-10	5 - 25	253	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 - 49	253	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12

**Harte Spannbacken-Stangenspannung**  
**Hard jaws for bar clamping**

**Verzahnung 1,5mm x 60°**  
**Serration 1,5mm x 60°**

<b>Futtertyp / Chuck type</b>	<b>Durchmesser Clamping range</b>	<b>Durchlass Swing diameter</b>	<b>Index / Id.-No</b>	<b>Typ</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>Schrauben Screws</b>
HCL-10	5 – 27	256	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 52	256	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
HS-10	5 – 30	258	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 54	258	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
HSL-10	5 – 37	265	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 61	265	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
MCA-10	9 – 24	252	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	35 – 49	252	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
MH-210	5 – 34	262	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	21 – 58	262	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
RTC-260	9 – 24	252	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	35 – 49	252	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
<b>ab Ø 304mm / from Ø 304mm</b>									
HC-12	5 – 47	312	<b>17 0001 1940</b>	GTM-M 300-1	48	50	18	30	M14
	18 – 67	312	<b>17 0001 1950</b>	GTM-M 300-2	48	50	18	30	M14
HCH-12	5 – 41	306	<b>17 0001 1940</b>	GTM-M 300-1	48	50	18	30	M14
	18 – 61	306	<b>17 0001 1950</b>	GTM-M 300-2	48	50	18	30	M14
HCL-12	5 – 45	309	<b>17 0001 1940</b>	GTM-M 300-1	48	50	18	30	M14
	18 – 64	309	<b>17 0001 1950</b>	GTM-M 300-2	48	50	18	30	M14
HS-12	5 – 41	307	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 61	307	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16
HSL-12	5 – 49	314	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 68	314	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16
MH-212	5 – 53	319	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 72	319	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16

# Krallenbacken Außenspannung

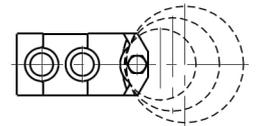
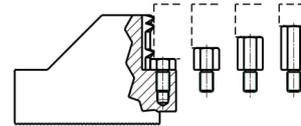
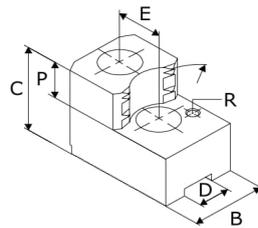
Hard claw jaws for O.D. clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 165mm/from Ø165mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
HC-06	31 – 45	169	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	46 – 60	169	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	62 – 76	170	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	76 – 90	170	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	92 – 106	168	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	118 – 132	194	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
HCH-06	26 – 48	172	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	36 – 63	172	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	51 – 80	173	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	65 – 93	173	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	81 – 110	171	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	107 – 136	197	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
HCL-06	35 – 50	174	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	50 – 65	174	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	66 – 81	175	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	80 – 95	175	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	96 – 111	173	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	122 – 137	199	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
HS-06	26 – 51	175	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	41 – 66	175	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	57 – 82	176	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	71 – 96	176	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	87 – 112	174	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	113 – 138	200	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
HSL-06	26 – 53	178	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	41 – 69	178	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	57 – 85	179	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	71 – 99	179	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	87 – 115	177	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	113 – 141	203	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
MCA-06	36 – 44	168	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	51 – 59	168	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	68 – 75	169	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	81 – 89	169	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	98 – 105	167	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	123 – 131	193	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6

# Krallenbacken Außenspannung

Hard claw jaws for O.D. clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
MCH-06	26 - 51	175	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	41 - 66	175	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	57 - 82	176	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	71 - 96	176	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	87 - 112	174	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	113 - 138	200	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
MH-206	38 - 60	185	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	53 - 76	185	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	69 - 92	186	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	83 - 106	186	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	99 - 122	184	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	125 - 148	210	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
RTC-160	36 - 44	168	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	51 - 59	168	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	68 - 75	169	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	81 - 89	169	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	98 - 105	167	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	123 - 131	193	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
<b>ab Ø 210mm/from Ø210mm</b>											
HC-08	41 - 64	213	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	68 - 92	213	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	99 - 122	214	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	129 - 152	216	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	151 - 174	234	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	187 - 211	271	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
HCH-08	30 - 61	210	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	52 - 88	210	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	83 - 119	211	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	113 - 149	213	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	134 - 171	230	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	171 - 208	268	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
HCL-08	35 - 67	217	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	62 - 95	217	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	92 - 125	217	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	122 - 156	219	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	144 - 177	237	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	181 - 214	275	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
HS-08	34 - 64	213	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	61 - 91	213	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	91 - 122	214	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	121 - 152	216	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	143 - 174	233	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	180 - 211	271	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
HSL-08	37 - 73	222	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	64 - 100	222	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	94 - 131	223	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	124 - 161	225	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	146 - 183	242	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	183 - 220	280	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6

**Krallenbacken Außenspannung**

Verzahnung 1,5mm x 60°

Hard claw jaws for O.D. clamping

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
MCA-08	50 – 62	211	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	78 – 90	211	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	108 – 120	212	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	138 – 150	214	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	160 – 172	232	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	197 – 209	270	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
MH-208	41 – 66	215	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	69 – 93	215	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	99 – 124	216	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	129 – 154	218	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	151 – 176	235	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	188 – 213	273	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
RTC-210	50 – 62	211	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	78 – 90	211	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	108 – 120	212	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	138 – 150	214	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	160 – 172	232	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	197 – 209	270	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
<b>ab Ø 254mm/from Ø254mm</b>											
HC-10	37 – 76	254	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	77 – 118	254	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	121 – 162	258	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	166 – 207	273	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	201 – 243	305	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
HCH-10	38 – 77	255	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	78 – 119	255	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	122 – 163	259	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	167 – 208	274	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	202 – 243	306	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
HCL-10	36 – 80	258	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	75 – 121	258	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	118 – 166	261	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	163 – 211	276	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	198 – 246	308	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
HS-10	42 – 82	260	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	83 – 124	260	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	127 – 168	264	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	172 – 213	279	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	207 – 248	311	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
HSL-10	36 – 88	267	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	75 – 131	267	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	119 – 175	271	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	164 – 220	286	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	199 – 255	317	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
MCA-10	62 – 76	254	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	103 – 118	254	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	147 – 162	258	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	193 – 208	273	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	228 – 243	305	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6

# Krallenbacken Außenspannung

Hard claw jaws for O.D. clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
MH-210	48 – 86	264	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	90 – 128	264	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	134 – 172	268	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	179 – 217	283	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	214 – 252	314	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
RTC-260	62 – 76	254	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	103 – 118	254	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	147 – 162	258	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	193 – 208	273	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	228 – 243	305	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
<b>ab Ø 304mm/from Ø304mm</b>											
HC-12	41 – 116	320	<b>17 0001 2170</b>	GTZ-M 300-1	50	65	18	30	M14	25	M8
	101 – 175	320	<b>17 0001 2180</b>	GTZ-M 300-2	50	65	18	30	M14	25	M8
	167 – 242	334	<b>17 0001 2190</b>	GTZ-M 300-3	50	65	18	30	M14	25	M8
	230 – 306	378	<b>17 0001 2200</b>	GTZ-M 300-4	50	65	18	30	M14	25	M8
HCH-12	41 – 110	314	<b>17 0001 2170</b>	GTZ-M 300-1	50	65	18	30	M14	25	M8
	95 – 169	314	<b>17 0001 2180</b>	GTZ-M 300-2	50	65	18	30	M14	25	M8
	161 – 236	328	<b>17 0001 2190</b>	GTZ-M 300-3	50	65	18	30	M14	25	M8
	224 – 300	372	<b>17 0001 2200</b>	GTZ-M 300-4	50	65	18	30	M14	25	M8
HCL-12	41 – 113	317	<b>17 0001 2170</b>	GTZ-M 300-1	50	65	18	30	M14	25	M8
	101 – 173	317	<b>17 0001 2180</b>	GTZ-M 300-2	50	65	18	30	M14	25	M8
	167 – 239	331	<b>17 0001 2190</b>	GTZ-M 300-3	50	65	18	30	M14	25	M8
	231 – 304	375	<b>17 0001 2200</b>	GTZ-M 300-4	50	65	18	30	M14	25	M8
HS-12	47 – 110	315	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	107 – 170	315	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	173 – 237	328	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	237 – 301	372	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
HSL-12	41 – 117	322	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	90 – 177	322	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	155 – 244	336	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	219 – 308	380	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
MH-212	59 – 122	326	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	119 – 182	326	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	185 – 249	340	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	249 – 313	384	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
<b>ab Ø 381mm/from Ø381mm</b>											
HC-15 <sup>6)</sup> ; HC-15SE <sup>6)</sup>	44 – 101	385	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	100 – 159	391	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	159 – 219	391	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	220 – 280	411	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	280 – 340	428	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	340 – 400	480	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8
HCH-15	48 – 101	384	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	104 – 158	390	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	164 – 218	390	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	224 – 279	410	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	284 – 339	427	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	344 – 399	479	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8

# Krallenbacken Außenspannung

Verzahnung 1,5mm x 60°

Hard claw jaws for O.D. clamping

Serration 1,5mm x 60°

Futtertyp/Chuck type ab Ø450mm/from Ø450mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
HC-18 <sup>6)</sup> ; HC-18SE <sup>6)</sup>	101 – 161	446	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	159 – 219	452	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	219 – 279	452	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	280 – 341	472	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	340 – 401	489	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	400 – 461	541	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8
HCH-18	48 – 168	453	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	104 – 226	459	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	164 – 286	459	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	224 – 348	479	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	284 – 408	496	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	344 – 468	548	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8

6) Bitte überprüfen Sie die Nutbreite.

6) Please check the slot width.

Bei Bedarf bitte abgestufte Nutensteine verwenden

If necessary please use stepped T-nuts

# Krallenbacken Außenspannung

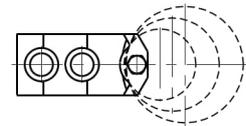
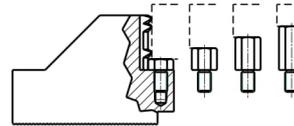
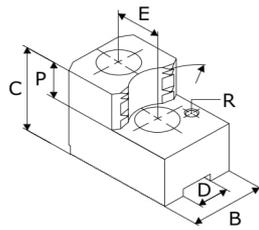
## Hard claw jaws for O.D. clamping

Verzahnung 3mm x 60°

Serration 3mm x 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 530mm/from Ø530mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
HC-21; HC-21SE	137 - 270	525	<b>17 0000 7930</b>	GTZ-M 530-1	65	94	25	60	M20	42	M8
	264 - 399	541	<b>17 0000 7940</b>	GTZ-M 530-2	65	94	25	60	M20	42	M8
	391 - 527	627	<b>17 0000 7950</b>	GTZ-M 530-3	65	94	25	60	M20	42	M8
HCH-21	155 - 283	537	<b>17 0000 7930</b>	GTZ-M 530-1	65	94	25	60	M20	42	M8
	282 - 412	554	<b>17 0000 7940</b>	GTZ-M 530-2	65	94	25	60	M20	42	M8
	410 - 540	640	<b>17 0000 7950</b>	GTZ-M 530-3	65	94	25	60	M20	42	M8
MH-221	180 - 279	534	<b>17 0000 7930</b>	GTZ-M 530-1	65	94	25	60	M20	42	M8
	308 - 408	551	<b>17 0000 7940</b>	GTZ-M 530-2	65	94	25	60	M20	42	M8
	436 - 536	637	<b>17 0000 7950</b>	GTZ-M 530-3	65	94	25	60	M20	42	M8
<b>ab Ø 610mm/from Ø610mm</b>											
HC-24; HC-24SE	213 - 347	602	<b>17 0000 7930</b>	GTZ-M 530-1	65	94	25	60	M20	42	M8
	341 - 476	619	<b>17 0000 7940</b>	GTZ-M 530-2	65	94	25	60	M20	42	M8
	469 - 604	705	<b>17 0000 7950</b>	GTZ-M 530-3	65	94	25	60	M20	42	M8
HCH-24	173 - 361	616	<b>17 0000 7930</b>	GTZ-M 530-1	65	94	25	60	M20	42	M8
	301 - 490	633	<b>17 0000 7940</b>	GTZ-M 530-2	65	94	25	60	M20	42	M8
	428 - 618	719	<b>17 0000 7950</b>	GTZ-M 530-3	65	94	25	60	M20	42	M8
MH-224	196 - 360	615	<b>17 0000 7930</b>	GTZ-M 530-1	65	94	25	60	M20	42	M8
	323 - 489	632	<b>17 0000 7940</b>	GTZ-M 530-2	65	94	25	60	M20	42	M8
	451 - 617	718	<b>17 0000 7950</b>	GTZ-M 530-3	65	94	25	60	M20	42	M8

# Krallenbacken Innenspannung

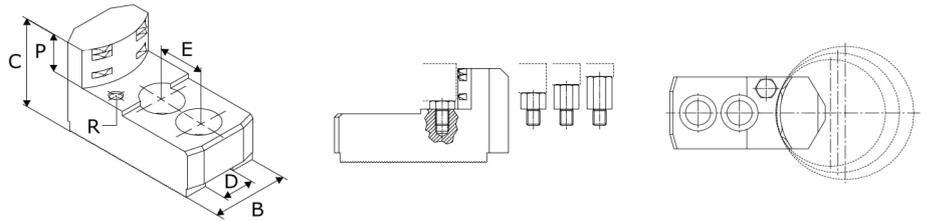
Hard claw jaws for I.D. clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 210mm/from Ø 210mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
HC-08	57 – 80	213	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	86 – 110	214	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	117 – 140	214	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	146 – 170	224	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
HCH-08	57 – 77	210	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	71 – 106	211	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	101 – 137	211	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	130 – 167	221	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
HCL-08	57 – 83	217	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	80 – 113	217	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	110 – 143	217	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	140 – 173	227	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
HS-08	57 – 79	213	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	79 – 109	214	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	109 – 140	214	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	139 – 170	224	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
HSL-08	57 – 88	222	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	82 – 118	223	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	112 – 149	223	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	142 – 179	233	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
MCA-08	66 – 78	211	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	96 – 108	212	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	126 – 138	212	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	156 – 168	222	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
MH-208	57 – 81	215	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	87 – 111	216	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	117 – 142	216	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	147 – 171	225	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
RTC-210	66 – 78	211	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	96 – 108	212	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	126 – 138	212	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	156 – 168	222	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
<b>ab Ø 254mm/from Ø 254mm</b>											
HC-10	60 – 94	254	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	94 – 134	254	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	131 – 171	254	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	164 – 205	258	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
HCH-10	60 – 94	255	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	94 – 135	255	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	131 – 172	255	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	165 – 206	259	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6

# Krallenbacken Innenspannung

Verzahnung 1,5mm x 60°

Hard claw jaws for I.D. clamping

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
HCL-10	60 - 97	258	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	91 - 137	258	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	128 - 175	258	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	162 - 209	261	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
HS-10	60 - 99	260	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	99 - 139	260	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	136 - 177	260	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	170 - 211	264	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
HSL-10	60 - 106	267	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	91 - 146	267	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	128 - 184	267	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	162 - 218	271	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
MCA-10	79 - 94	254	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	119 - 134	254	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	157 - 172	254	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	191 - 206	258	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
MH-210	66 - 103	264	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	106 - 143	264	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	143 - 181	264	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	177 - 215	268	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
RTC-260	79 - 94	254	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	119 - 134	254	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	157 - 172	254	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	191 - 206	258	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
<b>ab Ø 304mm/from Ø304mm</b>											
HC-12	78 - 144	320	<b>17 0000 8480</b>	GTW-M 300-1	50	65	18	30	M14	25	M8
	131 - 206	320	<b>17 0000 8490</b>	GTW-M 300-2	50	65	18	30	M14	25	M8
	195 - 270	320	<b>17 0000 8500</b>	GTW-M 300-3	50	65	18	30	M14	25	M8
	246 - 322	364	<b>17 0000 8510</b>	GTW-M 300-4	50	65	18	30	M14	25	M8
HCH-12	78 - 138	314	<b>17 0000 8480</b>	GTW-M 300-1	50	65	18	30	M14	25	M8
	125 - 200	314	<b>17 0000 8490</b>	GTW-M 300-2	50	65	18	30	M14	25	M8
	189 - 264	314	<b>17 0000 8500</b>	GTW-M 300-3	50	65	18	30	M14	25	M8
	240 - 316	358	<b>17 0000 8510</b>	GTW-M 300-4	50	65	18	30	M14	25	M8
HCL-12	78 - 142	317	<b>17 0000 8480</b>	GTW-M 300-1	50	65	18	30	M14	25	M8
	131 - 203	317	<b>17 0000 8490</b>	GTW-M 300-2	50	65	18	30	M14	25	M8
	195 - 268	317	<b>17 0000 8500</b>	GTW-M 300-3	50	65	18	30	M14	25	M8
	247 - 320	361	<b>17 0000 8510</b>	GTW-M 300-4	50	65	18	30	M14	25	M8
HS-12	78 - 139	315	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	137 - 200	315	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	201 - 265	315	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	253 - 317	358	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
	78 - 139	315	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
HSL-12	120 - 208	322	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	183 - 272	322	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	235 - 324	366	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
	78 - 146	322	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	120 - 208	322	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8

# Krallenbacken Innenspannung

Verzahnung 1,5mm x 60°

Hard claw jaws for I.D. clamping

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
MH-212	213 – 277	326	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	265 – 329	370	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
	89 – 151	326	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	149 – 212	326	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	213 – 277	326	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
<b>ab Ø 381mm/from Ø381mm</b>											
HC-15 <sup>6)</sup> ; HC-15SE <sup>6)</sup>	100 – 157	385	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	154 – 213	385	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	208 – 268	385	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	278 – 338	392	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	338 – 398	444	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8
HCH-15	104 – 156	384	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	158 – 212	384	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	213 – 267	384	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	282 – 337	391	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	342 – 397	443	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8
<b>ab Ø 450mm/from Ø450mm</b>											
HC-18 <sup>6)</sup> ; HC-18SE <sup>6)</sup>	157 – 217	446	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	213 – 273	446	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	268 – 328	446	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	338 – 399	453	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	398 – 459	505	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8
HCH-18	104 – 224	453	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	158 – 280	453	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	213 – 335	453	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	282 – 406	460	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	342 – 466	512	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8

6) Bitte überprüfen Sie die Nutbreite.

Bei Bedarf bitte abgestufte Nutensteine verwenden

6) Please check the slot width.

If necessary please use stepped T-nuts

# Krallenbacken Innenspannung

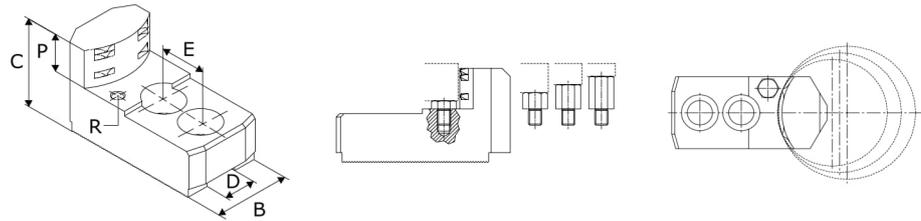
Hard claw jaws for I.D. clamping

Verzahnung 3mm x 60°

Serration 3mm x 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



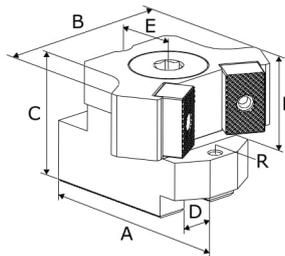
Futtertyp/Chuck type ab Ø 530mm/from Ø530mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
HC-21; HC-21SE	153 - 286	534	<b>17 0000 8610</b>	GTW-M 530-1	65	94	25	60	M20	42	M8
	284 - 419	534	<b>17 0000 8620</b>	GTW-M 530-2	65	94	25	60	M20	42	M8
HCH-21	171 - 299	547	<b>17 0000 8610</b>	GTW-M 530-1	65	94	25	60	M20	42	M8
	302 - 432	547	<b>17 0000 8620</b>	GTW-M 530-2	65	94	25	60	M20	42	M8
MH-221	196 - 295	544	<b>17 0000 8610</b>	GTW-M 530-1	65	94	25	60	M20	42	M8
	328 - 428	544	<b>17 0000 8620</b>	GTW-M 530-2	65	94	25	60	M20	42	M8
<b>ab Ø 610mm/from Ø610mm</b>											
HC-24; HC-24SE	229 - 363	612	<b>17 0000 8610</b>	GTW-M 530-1	65	94	25	60	M20	42	M8
	361 - 496	612	<b>17 0000 8620</b>	GTW-M 530-2	65	94	25	60	M20	42	M8
HCH-24	189 - 377	626	<b>17 0000 8610</b>	GTW-M 530-1	65	94	25	60	M20	42	M8
	321 - 510	626	<b>17 0000 8620</b>	GTW-M 530-2	65	94	25	60	M20	42	M8
MH-224	211 - 376	625	<b>17 0000 8610</b>	GTW-M 530-1	65	94	25	60	M20	42	M8
	343 - 509	625	<b>17 0000 8620</b>	GTW-M 530-2	65	94	25	60	M20	42	M8

# Pendelbacken

## Pendulum jaws

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°



Pendelbacken ermöglichen sicheres Spannen dünnwandiger und verformungsgefährdeter Werkstücke

Die Befestigung erfolgt mit einzelnen Nutensteinen  
Nutensteine müssen separat bestellt werden

Pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation  
Fastening is done using single T-Nuts  
T-Nuts must be ordered separately

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
ab Ø 210mm / from Ø 210mm												
HC-08	62 - 74	212	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	70 - 82	212	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	93 - 105	233	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	118 - 130	233	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
HCH-08	48 - 71	209	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 - 79	209	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	78 - 102	230	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	104 - 127	229	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
HCL-08	56 - 77	215	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 - 85	215	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	87 - 108	237	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	112 - 133	236	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
HS-08	55 - 74	212	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 - 82	212	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	86 - 105	233	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	111 - 130	232	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
HSL-08	58 - 82	221	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 - 90	221	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	89 - 113	242	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	114 - 138	241	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
MH-208	62 - 76	214	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	70 - 83	214	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	93 - 106	235	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	118 - 132	234	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
ab Ø 254mm / from Ø 254mm												
HC-10	62 - 95	262	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	69 - 101	262	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 105	262	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	117 - 150	275	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	129 - 162	275	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
HCH-10	63 - 95	262	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	69 - 101	262	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 105	262	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	118 - 151	276	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	130 - 163	276	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
HCL-10	60 - 98	265	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	69 - 104	265	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 108	265	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	115 - 153	279	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	127 - 165	279	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6

**Pendelbacken**

**Verzahnung 1,5mm x 60°**

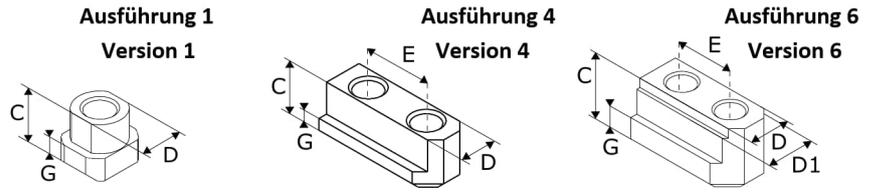
**Pendulum jaws**

**Serration 1,5mm x60°**

Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
	Clamping range	Swing diameter										
HS-10	67 - 99	267	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	73 - 106	267	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 110	267	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	122 - 155	281	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	134 - 167	281	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
HSL-10	60 - 99	274	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	69 - 112	274	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 116	274	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	115 - 161	288	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	127 - 173	288	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
MCA-10	85 - 95	262	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	91 - 101	262	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 105	262	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	141 - 150	276	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	153 - 162	276	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
MH-210	73 - 99	271	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	79 - 109	271	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 113	271	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	128 - 159	285	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	140 - 171	285	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
RTC-260	85 - 95	262	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	91 - 101	262	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 - 105	262	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	141 - 150	276	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	153 - 162	276	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
<b>ab Ø 304mm / from Ø 304mm</b>												
HC-12	70 - 120	313	<b>17 0001 3540</b>	SWT-M 315-1	97	93	68	18	34	M14	35	M6
	99 - 144	313	<b>17 0001 3550</b>	SWT-M 315-2	97	130	68	18	34	M14	35	M6
	147 - 206	330	<b>17 0001 3560</b>	SWT-M 315-3	75	150	68	18	34	M14	35	M6
	159 - 216	332	<b>17 0001 3570</b>	SWT-M 315-4	75	179	68	18	34	M14	35	M6
HCH-12	65 - 120	307	<b>17 0001 3540</b>	SWT-M 315-1	97	93	68	18	34	M14	35	M6
	99 - 138	307	<b>17 0001 3550</b>	SWT-M 315-2	97	130	68	18	34	M14	35	M6
	142 - 201	324	<b>17 0001 3560</b>	SWT-M 315-3	75	150	68	18	34	M14	35	M6
	159 - 211	326	<b>17 0001 3570</b>	SWT-M 315-4	75	179	68	18	34	M14	35	M6
HCL-12	71 - 120	310	<b>17 0001 3540</b>	SWT-M 315-1	97	93	68	18	34	M14	35	M6
	99 - 141	310	<b>17 0001 3550</b>	SWT-M 315-2	97	130	68	18	34	M14	35	M6
	148 - 204	328	<b>17 0001 3560</b>	SWT-M 315-3	75	150	68	18	34	M14	35	M6
	159 - 214	329	<b>17 0001 3570</b>	SWT-M 315-4	75	179	68	18	34	M14	35	M6
HS-12	76 - 120	307	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	99 - 139	307	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	153 - 202	325	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	163 - 212	327	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6
HSL-12	64 - 120	314	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	99 - 145	314	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	137 - 208	332	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	159 - 218	334	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6
MH-212	86 - 120	319	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	100 - 149	319	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	163 - 212	337	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	173 - 222	338	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6

**T-Nutensteine**

**T-Nuts**



Futtertyp/Chuck type ab Ø 110mm / from Ø 110mm	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max.Anzugsmoment Nm Max. tightening torque Nm		Ausführung Version
HC-04	17 0000 4590	WTD 10-2	18	10	-	14	M8x22	5,5	30	4	
HCH-04	17 0000 4580	WTD 8-1	13,5	8	-	15	M6x18	4,5	16	4	
HCL-04; HCT-04	17 0000 4590	WTD 10-2	18	10	-	14	M8x22	5,5	30	4	
MCA-04	17 0000 4590	WTD 10-2	18	10	-	14	M8x22	5,5	30	4	
RTC-110	17 0000 4590	WTD 10-2	18	10	-	14	M8x22	5,5	30	4	
<b>ab Ø 135mm / from Ø 135mm</b>											
HC-05; HCT-05	17 0000 5800	WTD 10-5	18	10	-	19	M8x22	5,5	30	4	
HS-05	17 0000 3220	WTD 10-4	15	10	-	14	M8x20	5	30	4	
<b>ab Ø 165mm / from Ø 165mm</b>											
HC-06; HCH-06; HCL-06; HCLT-06; HCT-06	17 0000 4600	WTD 12-2	22	12	-	20	M10x25	7	50	4	
HS-06; HSL-06; HST-06	17 0000 3230	WTD 12-3	18,5	12	-	20	M10x25	7,5	50	4	
	17 0000 3280	WTS 12-2	18,5	12	-	-	M10x25	7,5	50	1	
MCA-06	17 0000 4600	WTD 12-2	22	12	-	20	M10x25	7	50	4	
MCH-06; MH-206; MHT-206	17 0000 3230	WTD 12-3	18,5	12	-	20	M10x25	7,5	50	4	
	17 0000 3280	WTS 12-2	18,5	12	-	-	M10x25	7,5	50	1	
RTC-160	17 0000 4600	WTD 12-2	22	12	-	20	M10x25	7	50	4	
<b>ab Ø 210mm / from Ø 210mm</b>											
HC-08; HCF-08; HCH-08; HCL-08; HCLT-08; HCT-08	17 0000 4610	WTD 14-2	24,5	14	-	25	M12x35	8,5	70	4	
	17 0000 8670	WTS 14-3	24,5	14	-	-	M12x35	8,5	70	1	
HS-08; HSF-08; HSL-08; HST-08	17 0000 3240	WTD 14-3	20,5	14	-	25	M12x30	8,5	70	4	
	17 0000 3290	WTS 14-4	20,5	14	-	-	M12x30	8,5	70	1	
MCA-08	17 0000 4610	WTD 14-2	24,5	14	-	25	M12x35	8,5	70	4	
	17 0000 8670	WTS 14-3	24,5	14	-	-	M12x35	8,5	70	1	
MH-208; MHF-208; MHT-208	17 0000 3240	WTD 14-3	20,5	14	-	25	M12x30	8,5	70	4	
	17 0000 3290	WTS 14-4	20,5	14	-	-	M12x30	8,5	70	1	
RTC-210	17 0000 4610	WTD 14-2	24,5	14	-	25	M12x35	8,5	70	4	
	17 0000 8670	WTS 14-3	24,5	14	-	-	M12x35	8,5	70	1	
<b>ab Ø 254mm / from Ø 254mm</b>											
HC-10; HCH-10; HCL-10; HCLF-10; HCLT-10; HCT-10	17 0000 4620	WTD 16-1	24,5	16	-	30	M12x35	8,5	70	4	
	17 0000 8690	WTS 16-1	24,5	16	-	-	M12x35	8,5	70	1	
HS-10; HSF-10; HSL-10; HST-10	17 0000 3250	WTD 16-2	21,5	16	-	30	M12x30	8,5	70	4	
	17 0000 3300	WTS 16-2	21,5	16	-	-	M12x30	8,5	70	1	
MCA-10	17 0000 4620	WTD 16-1	24,5	16	-	30	M12x35	8,5	70	4	
	17 0000 8690	WTS 16-1	24,5	16	-	-	M12x35	8,5	70	1	
MH-210	17 0000 3250	WTD 16-2	21,5	16	-	30	M12x30	8,5	70	4	
	17 0000 3300	WTS 16-2	21,5	16	-	-	M12x30	8,5	70	1	

**T-Nutensteine**

**T-Nuts**

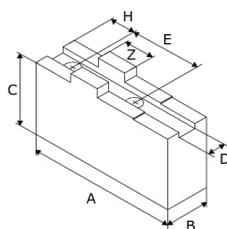
Futkertyp/Chuck type	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max. Anzugsmoment Nm	
									Max. tightening torque Nm	Ausführung Version
RTC-260	<b>17 0000 4620</b>	WTD 16-1	24,5	16	-	30	M12x35	8,5	70	4
	<b>17 0000 8690</b>	WTS 16-1	24,5	16	-	-	M12x35	8,5	70	1
<b>ab Ø 304mm / from Ø 381mm</b>										
HC-12; HCF-12; HCH-12; HCL-12; HCLF-12; HCLT-12; HCT-12	<b>17 0000 4630</b>	WTD 18-1	33,5	18	-	30	M14x45	13,5	130	4
	<b>17 0000 4570</b>	WTS 18-1	33,5	18	-	-	M14x45	13,5	130	1
HS-12; HSF-12; HSL-12; HST-12	<b>17 0000 3260</b>	WTD 21-3	28	21	-	30	M16x40	11,5	150	4
	<b>17 0000 3310</b>	WTS 21-4	28	21	-	-	M16x40	11,5	150	1
MH-212	<b>17 0000 3260</b>	WTD 21-3	28	21	-	30	M16x40	11,5	150	4
	<b>17 0000 3310</b>	WTS 21-4	28	21	-	-	M16x40	11,5	150	1
<b>ab Ø 381mm / from Ø 381mm</b>										
HC-15; HC-15SE; HCF-15	<b>17 0000 3270</b>	WTD 25,5-2	39,5	25,5	-	43	M20x50	19	300	4
	<b>17 0000 3320</b>	WTS 25,5-7	39,5	25,5	-	-	M20x50	19	300	1
	<b>17 0000 8820</b>	WTD 22-2	39,5	22	25,5	43	M20x50	19	300	6
HCH-15; HCHF-15; HCHT-15	<b>17 0000 4660</b>	WTD 22-1	45,5	22	24	43	M20x60	16,5	300	6
	<b>17 0000 8810</b>	WTD 21-8	42,5	21	24	30	M16x60	16,5	150	6
<b>ab Ø 450mm / from Ø 450mm</b>										
HC-18; HC-18SE; HCF-18	<b>17 0000 3270</b>	WTD 25,5-2	39,5	25,5	-	43	M20x50	19	300	4
	<b>17 0000 3320</b>	WTS 25,5-7	39,5	25,5	-	-	M20x50	19	300	1
	<b>17 0000 8820</b>	WTD 22-2	39,5	22	25,5	43	M20x50	19	300	6
HCH-18; HCHF-18	<b>17 0000 4660</b>	WTD 22-1	45,5	22	24	43	M20x60	16,5	300	6
	<b>17 0000 8810</b>	WTD 21-8	42,5	21	24	30	M16x60	16,5	150	6
<b>ab Ø 530mm / from Ø 530mm</b>										
HC-21; HC-21SE; HC-24; HC-24SE; HCF-21; HCF-24; HCH-21; HCH-24; HCHF-21; HCHF-24	<b>17 0000 4640</b>	WTD 25-2	45	25	-	60	M20x60	19	300	4
	<b>17 0000 5810</b>	WTS 25-1	45	25	-	-	M20x60	19	300	1
	<b>17 0000 8880</b>	WTD 22-5	45	22	25	50	M20x60	19	300	6
MH-221; MH-224	<b>17 0000 4640</b>	WTD 25-2	45	25	-	60	M20x60	19	300	4
	<b>17 0000 5810</b>	WTS 25-1	45	25	-	-	M20x60	19	300	1
	<b>17 0000 8880</b>	WTD 22-5	45	22	25	50	M20x60	19	300	6

# Weiche Aufsatzbacken

## Soft top jaws

Metrische Kreuzversatz  
Metric tongue and groove

Stahl / Steel

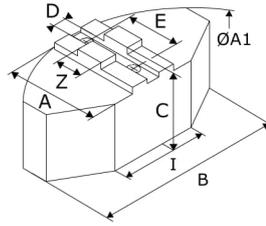


Futtertyp/Chuck type Metrische Kreuzversatz/Metric tongue and groove	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	Z
QJC-206	<b>17 0000 2640</b>	MKS-RM 160-1	85	20	40	8	32	M8	18	18
QJC-208	<b>17 0000 2650</b>	MKS-RM 200-1	105	25	50	10	40	M8	25	20
QJC-210; QJC-212	<b>17 0000 2660</b>	MKS-RM 250-5	125	30	60	12	40	M12	25	20
QJC-215	<b>17 0000 2670</b>	MKS-RM 315-1	140	35	60	12	54	M12	30	26
QJC-220	<b>17 0000 2680</b>	MKS-RM 400-1	180	50	80	18	60	M16	35	30

# Segmentbacken

Soft full grip jaws

Metrische Kreuzversatz  
Metric tongue and groove  
Stahl / Steel C45



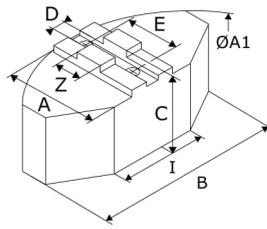
Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	Z	I	A1
QJC-206	<b>17 0000 2750</b>	GPS-RM 160-1	60	120	50	8	32	M8	16	18	40	160
QJC-208	<b>17 0000 2760</b>	GPS-RM 200-1	70	140	60	10	40	M8	17	20	65	200
QJC-210; QJC-212	<b>17 0000 2770</b>	GPS-RM 250-1	90	180	60	12	40	M12	34	20	70	250
QJC-215	<b>17 0000 2780</b>	GPS-RM 315-1	110	240	75	12	54	M12	40	26	120	320
QJC-220	<b>17 0000 2790</b>	GPS-RM 400-1	160	330	85	18	60	M16	80	30	150	440

# Segmentbacken

Soft full grip jaws

Metrische Kreuzversatz  
Metric tongue and groove

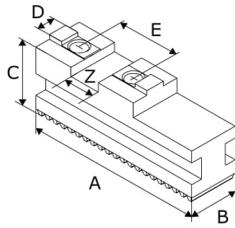
Aluminium / Aluminum



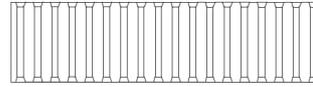
Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	Z	I	A1
QJC-206	<b>17 0000 2800</b>	GPA-RM 160-1	60	120	50	8	32	M8	16	18	40	160
QJC-208	<b>17 0000 2810</b>	GPA-RM 200-1	70	140	60	10	40	M8	17	20	65	200
QJC-210; QJC-212	<b>17 0000 2820</b>	GPA-RM 250-1	90	180	60	12	40	M12	34	20	70	250
QJC-215	<b>17 0000 2830</b>	GPA-RM 315-1	110	240	75	12	54	M12	40	26	120	320

# Grundbacken

## Base jaws



### System Reishauer



### Futtertyp/Chuck type

#### System Reishauer-Gerade Verzahnung / straight serration

	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	Z
QJC-206	<b>17 0000 2850</b>	SPT-ZR 160-1	65	20	27,5	8	32	M8	18
QJC-208	<b>17 0000 2860</b>	SPT-ZR 200-1	85	22	29,5	10	40	M8	20
QJC-210	<b>17 0000 2870</b>	SPT-ZR 250-1	104	26	37	12	40	M12	20
QJC-212	<b>17 0000 2880</b>	SPT-ZR 315-1	115	32	43	12	40	M12	20
QJC-215	<b>17 0000 2890</b>	SPT-ZR 400-1	125	32	43	12	54	M12	26
QJC-220	<b>17 0000 2900</b>	SPT-ZR 500-1	160	45	57	18	60	M16	30

# SCHUNK

	Verzahnung/Serration		Seite/Page
Weiche Aufsatzbacken <i>Soft top jaws</i>	90°	Stahl/Steel	348
		Aluminium/Aluminum	350
	60°		352
		Aluminium/Aluminum	354
Weiche Aufsatzbacken gebohrt oder ungebohrt <i>Soft jaw blanks, without or with bolt holes</i>	90°	Stahl/Steel	355
	60°		356
Segmentbacken <i>Soft full grip jaws</i>	90°	Stahl/Steel	357
		Aluminium/Aluminum	359
	60°		361
		Aluminium/Aluminum	362
Harte Aufsatzbacken <i>Hard stepped top jaws</i>	90°		363
	60°		365
Harte Spannbacken-Stangenspannung <i>Hard jaws for bar clamping</i>	1/16" x 90°		366
	3/32" x 90°		368
	1,5mm x 60°		369
Krallenbacken Außenspannung <i>Hard claw jaws for O.D. clamping</i>	1/16" x 90°		371
	3/32" x 90°		375
	1,5mm x 60°		379
Krallenbacken Innenspannung <i>Hard claw jaws for I.D. clamping</i>	1/16" x 90°		382
	3/32" x 90°		385
	1,5mm x 60°		388
Pendelbacken <i>Pendulum jaws</i>	1/16" x 90°		390
	3/32" x 90°		393
	1,5mm x 60°		394
T-Nutensteine für Spannfutter mit Zollverzahnung <i>T-Nuts for chucks with inch serration</i>	90°		396
T-Nutensteine für Spannfutter / Metrische Verzahnung <i>T-Nuts for chucks with metric serration</i>	60°		401
Weiche Aufsatzbacken <i>Soft top jaws</i>	Metrische Kreuzversatz <i>Metric tongue and groove</i>	Stahl/Steel	403
Segmentbacken <i>Soft full grip jaws</i>	Metrische Kreuzversatz <i>Metric tongue and groove</i>	Stahl/Steel	404
		Aluminium/Aluminum	405
Grundbacken <i>Base jaws</i>			406

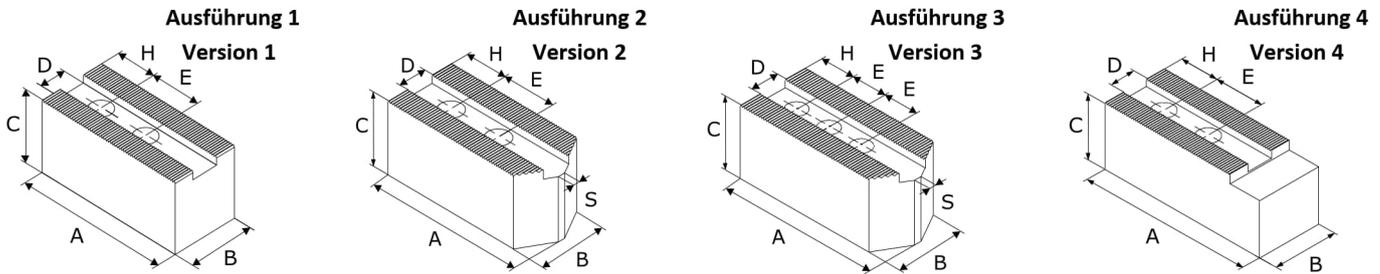
# Weiche Aufsatzbacken

## Soft top jaws

Verzahnung 90°

Serration 90°

Stahl/Steel C45



Futtertyp/Chuck type Verzahnung 1/16"x90° / Serration 1/16"x90°	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
ROTA TP 125; TP 125	<b>17 0000 6920</b>	MKS-C 125-1	55,5	30	40	11	18	M8	10	-	1
HSG 140; ROTA NCD 130; ROTA NCD 132	<b>17 0000 6080</b>	MKS-C 130-1	53	22	47	10	12	M6	9	-	3
	<b>17 0000 5990</b>	MTS-C 130-1	55	25	30	10	12	M6	11	3	3
	<b>17 0000 6930</b>	MTS-C 130-2	62	32	32	10	12	M6	9	2	3
HSG 160; ROTA NCD 160; ROTA NCD 165 <sup>1)</sup>	<b>17 0001 1740</b>	MKS-C 160-1	55	30	38	12	15	M8	9	-	1
	<b>17 0000 6090</b>	MKS-C 160-2	55	30	55	12	15	M8	9	-	1
	<b>17 0000 6940</b>	MTS-C 160-1	72	35	40	12	15	M8	12	3	2
ROTA NC plus 185 <sup>1)</sup> ; ROTA NC plus 2 185-52 <sup>1)</sup> ; ROTA NCF plus 185 <sup>1)</sup> ; ROTA NCF plus 2 185-52 <sup>1)</sup> ; ROTA NCK plus 165 <sup>1)</sup> ; ROTA NCR 250 <sup>4)</sup> ; ROTA NCR 315 <sup>4)</sup> ; ROTA TP 160; TP 160	<b>17 0001 1590</b>	MKS-C 160-3	68	35	60	14	20	M10	15	-	1
	<b>17 0001 1580</b>	MTS-C 160-2	80	35	40	14	20	M10	15	4	2
HSL 165 <sup>1)</sup> ; ROTA NC 165 <sup>1)</sup> ; ROTA NCD 185 <sup>1)</sup> ; ROTA NCF 165 <sup>1)</sup> ; ROTA NCO 165 <sup>2)</sup> ; TH 165; THF 165	<b>17 0000 5390</b>	MKS-C 165-1	70	35	40	17	22	M12	15	-	1
	<b>17 0000 5400</b>	MKS-C 165-2	70	40	60	17	22	M12	15	-	1
	<b>17 0000 6960</b>	MTS-C 165-1	78	35	40	17	22	M12	15	4	2
ROTA 2B 160 <sup>2),3)</sup>	<b>17 0000 6950</b>	2MKS-C 160-1	70	60	60	17	22	M12	12	-	1
HSG 200; HSG 250	<b>17 0000 6040</b>	MKS-C 200-4	70	40	60	17	19	M12	12	-	1
	<b>17 0000 6050</b>	MKS-C 250-1	90	40	60	17	19	M12	12	-	1
HSL 210 <sup>1)</sup> ; ROTA NC 210 <sup>1)</sup> ; ROTA NC plus 215 <sup>1)</sup> ; ROTA NC plus 2 215-66 <sup>1)</sup> ; ROTA NCD 210 <sup>1)</sup> ; ROTA NCD 215; ROTA NCF 210 <sup>1)</sup> ; ROTA NCF plus 215 <sup>1)</sup> ; ROTA NCF plus 2 215-66 <sup>1)</sup> ; ROTA NCK plus 210 <sup>1)</sup> ; ROTA NCK plus 250 <sup>1)</sup> ; ROTA NCO 210 <sup>2)</sup> ; ROTA TP 200; TH 210; THF 210; TP 200	<b>17 0000 6970</b>	MKS-C 200-2	90	40	40	17	22	M12	25	-	1
	<b>17 0000 5440</b>	MKS-C 200-3	90	40	60	17	22	M12	25	-	1
	<b>17 0000 5430</b>	MTS-C 200-1	98	35	40	17	22	M12	15	4	2
ROTA 2B 200 <sup>2),3)</sup>	<b>17 0000 6990</b>	2MKS-C 200-1	95	80	80	21	28	M16	22	-	1
HSL 250 <sup>1)</sup> ; HSL 315 <sup>1)</sup> ; ROTA EP 500; ROTA NC 250 <sup>1)</sup> ; ROTA NC 315 <sup>1)</sup> ; ROTA NC plus 260 <sup>1)</sup> ; ROTA NC plus 2 260-86 <sup>1)</sup> ; ROTA NC plus 315 <sup>1)</sup> ; ROTA NC plus 2 315-104 <sup>1)</sup> ; ROTA NCD 250 <sup>1)</sup> ; ROTA NCD 255 <sup>1)</sup> ; ROTA NCD 315 <sup>1)</sup> ; ROTA NCF 250 <sup>1)</sup> ; ROTA NCF 315 <sup>1)</sup> ; ROTA NCF plus 260 <sup>1)</sup> ; ROTA NCF plus 2 260-86 <sup>1)</sup> ; ROTA NCF plus 315 <sup>1)</sup> ; ROTA NCF plus 2 315-104 <sup>1)</sup> ; ROTA NCK plus 315 <sup>1)</sup> ; ROTA NCO 260 <sup>2)</sup> ; ROTA NCO 315 <sup>2)</sup> ; ROTA NCR 400 <sup>4)</sup> ; ROTA NCR 500 <sup>4)</sup> ; ROTA NCR 630 <sup>4)</sup> ; ROTA NCR 800 <sup>4)</sup> ; ROTA TP 250; ROTA TP 315; ROTA TP 350; ROTA TP-LH 350; TH 250; TH 315; THF 250; THF 315; TP 250; TP 315	<b>17 0001 1730</b>	MKS-C 250-2	95	50	60	21	28	M16	15	-	1
	<b>17 0000 6980</b>	MTS-C 250-1	120	50	50	21	28	M16	20	4	2
	<b>17 0000 5240</b>	MKS-C 250-3	120	50	80	21	28	M16	30	-	1
	<b>17 0000 5460</b>	MTS-C 315-1	140	50	50	21	28	M16	30	4	2

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
HSG 315	<b>17 0001 1750</b>	MKS-C 315-1	105	50	60	21	25	M16	15	-	1
ROTA 2B 250 <sup>2),3)</sup>	<b>17 0000 0090</b>	2MKS-C 250-1	110	80	80	25,5	35	M20	20	-	1
ROTA 2B 315 <sup>2),3)</sup>	<b>17 0000 0670</b>	2MKS-C 315-1	125	80	80	25,5	35	M20	28	-	1
ROTA 2B 400 <sup>2),3)</sup>	<b>17 0000 0680</b>	2MKS-C 400-1	150	80	80	25,5	35	M20	28	-	1
<b>Verzahnung 3/32"x90° / Serration 3/32"x90°</b>											
HSG 400; HSG 500; HSL 400 <sup>1)</sup> ; ROTA NC 400 <sup>1)</sup> ; ROTA NC 500; ROTA NCD 400; ROTA NCD 500; ROTA NCD 630; ROTA NCF 400 <sup>1)</sup> ; ROTA NCF 500; ROTA NCO 400; ROTA NCO 500; ROTA NCO 630; ROTA NCO 800; ROTA NCR 1000 <sup>4)</sup> ; ROTA TB-LH 630-275; TH 400; TH 500; THF 400; THF 500	<b>17 0000 7000</b>	MKS-C 400-1	140	60	80	25,5	35	M20	30	-	1
	<b>17 0000 7010</b>	MKS-C 400-2	155	60	90	25,5	35	M20	30	-	1
ROTA EP 380 <sup>5)</sup> ; TB 400 <sup>5)</sup>	<b>17 0000 7000</b>	MKS-C 400-1	140	60	80	25,5	35	M20	30	-	1
	<b>17 0000 7010</b>	MKS-C 400-2	155	60	90	25,5	35	M20	30	-	1
	<b>17 0000 6490</b>	MKS-C 400-3	155	60	100	25,5	40	M18	35	-	1
ROTA EP 460 <sup>5)</sup> ; ROTA EP-LH 460 <sup>5)</sup> ; ROTA TB 400 <sup>5)</sup> ; ROTA TB 470 <sup>5)</sup> ; ROTA TB 500 <sup>5)</sup> ; ROTA TB 600 <sup>5)</sup> ; ROTA TB 610 <sup>5)</sup> ; ROTA TB-LH 400 <sup>5)</sup> ; ROTA TB-LH 470 <sup>5)</sup> ; ROTA TB-LH 500 <sup>5)</sup> ; ROTA TB-LH 600 <sup>5)</sup> ; ROTA TB-LH 610 <sup>5)</sup>	<b>17 0000 7000</b>	MKS-C 400-1	140	60	80	25,5	35	M20	30	-	1
	<b>17 0000 7010</b>	MKS-C 400-2	155	60	90	25,5	35	M20	30	-	1
	<b>17 0000 6490</b>	MKS-C 400-3	155	60	100	25,5	40	M18	35	-	1
	<b>17 0000 6500</b>	MKS-C 400-4	195	60	100	25,5	40	M18	37	-	1
ROTA NC 630 <sup>6)</sup> ; ROTA NCF 630 <sup>6)</sup>	<b>17 0000 7000</b>	MKS-C 400-1	140	60	80	25,5	35	M20	30	-	1
	<b>17 0000 7010</b>	MKS-C 400-2	155	60	90	25,5	35	M20	30	-	1
	<b>17 0000 6510</b>	MKS-C 600-1	240	75	90	30	65	M24	42	-	4
ROTA NC 800 <sup>6)</sup>	<b>17 0000 7000</b>	MKS-C 400-1	140	60	80	25,5	35	M20	30	-	1
	<b>17 0000 7010</b>	MKS-C 400-2	155	60	90	25,5	35	M20	30	-	1
	<b>17 0000 6510</b>	MKS-C 600-1	240	75	90	30	65	M24	42	-	4
	<b>17 0000 6520</b>	MKS-C 600-2	300	75	90	30	65	M24	68	-	4
ROTA TB-LH 630-265	<b>17 0000 6500</b>	MKS-C 400-4	195	60	100	25,5	40	M18	37	-	1
ROTA TB 630; ROTA TB-LH 630-325; TB 630; TH 630	<b>17 0000 6510</b>	MKS-C 600-1	240	75	90	30	65	M24	42	-	4
ROTA NC 1000; ROTA NCO 1000; ROTA TB 800; ROTA TB 1000; ROTA TB-LH 850; ROTA TB-LH 1000; ROTA TB-LH 1200; TB 800; TB 1000	<b>17 0000 6520</b>	MKS-C 600-2	300	75	90	30	65	M24	68	-	4

- 1) auch mit 1,5mm x 60° Verzahnung erhältlich
- 2) auch mit Kreuzversatz erhältlich
- 3) Zweibackenfutter
- 4) Sechsbakenfutter
- 5) Bitte überprüfen Sie die Befestigungslöcher  
Vor 2008 wurde das Spannfutter mit M18-Schrauben geliefert
- 6) Bitte überprüfen Sie die Nutbreite.  
Bei Bedarf bitte abgestufte Nutensteine verwenden

- 1) Chuck is also available with serration 1,5mm x 60°
- 2) Chuck is also available with tongue/groove connection
- 3) 2-jaw chuck
- 4) 6-jaw chuck – please order 2 sets per 3 pcs
- 5) Please check the mounting holes  
Before 2008, the chuck was delivered with M18 screws
- 6) Please check the slot width.  
If necessary please use stepped T-nuts

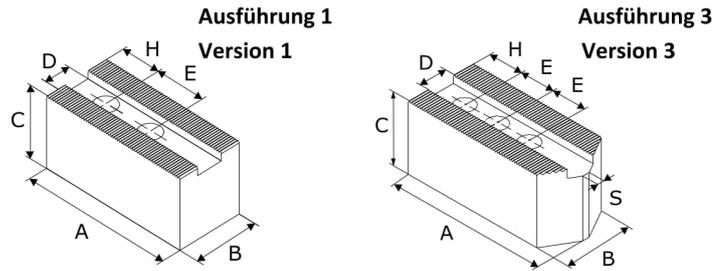
# Weiche Aufsatzbacken

## Soft top jaws

Verzahnung 90°

Serration 90°

Aluminium / Aluminum



Futtertyp/Chuck type Verzahnung 1/16"x90° / Serration 1/16"x90°	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
HSG 140; ROTA NCD 130; ROTA NCD 132	<b>17 0000 7020</b>	MTA-C 130-1	53	25	45	10	12	M6	9	3	3
HSG 160; ROTA NCD 160; ROTA NCD 165 <sup>1)</sup>	<b>17 0000 7030</b>	MKA-C 160-1	70	30	55	12	15	M8	9	-	1
ROTA NC plus 185 <sup>1)</sup> ; ROTA NC plus 2 185-52 <sup>1)</sup> ; ROTA NCF plus 185 <sup>1)</sup> ; ROTA NCF plus 2 185-52 <sup>1)</sup> ; ROTA NCK plus 165 <sup>1)</sup> ; ROTA NCR 250 <sup>4)</sup> ; ROTA NCR 315 <sup>4)</sup> ; ROTA TP 160; TP 160	<b>17 0000 6260</b>	MKA-C 160-2	80	35	60	14	20	M10	15	-	1
HSL 165 <sup>1)</sup> ; ROTA NC 165 <sup>1)</sup> ; ROTA NCD 185 <sup>1)</sup> ; ROTA NCF 165 <sup>1)</sup> ; ROTA NCO 165 <sup>2)</sup> ; TH 165; THF 165	<b>17 0000 6270</b>	MKA-C 165-1	70	40	60	17	22	M12	15	-	1
HSG 200; HSG 250	<b>17 0000 7040</b>	MKA-C 200-1	90	40	60	17	19	M12	12	-	1
HSL 210 <sup>1)</sup> ; ROTA NC 210 <sup>1)</sup> ; ROTA NC plus 215 <sup>1)</sup> ; ROTA NC plus 2 215-66 <sup>1)</sup> ; ROTA NCD 210 <sup>1)</sup> ; ROTA NCD 215; ROTA NCF 210 <sup>1)</sup> ; ROTA NCF plus 215 <sup>1)</sup> ; ROTA NCF plus 2 215-66 <sup>1)</sup> ; ROTA NCK plus 210 <sup>1)</sup> ; ROTA NCK plus 250 <sup>1)</sup> ; ROTA NCO 210 <sup>2)</sup> ; ROTA TP 200; TH 210; THF 210; TP 200	<b>17 0000 6280</b>	MKA-C 200-2	90	40	60	17	22	M12	25	-	1
HSL 250 <sup>1)</sup> ; HSL 315 <sup>1)</sup> ; ROTA EP 500; ROTA NC 250 <sup>1)</sup> ; ROTA NC 315 <sup>1)</sup> ; ROTA NC plus 260 <sup>1)</sup> ; ROTA NC plus 2 260-86 <sup>1)</sup> ; ROTA NC plus 315 <sup>1)</sup> ; ROTA NC plus 2 315-104 <sup>1)</sup> ; ROTA NCD 250 <sup>1)</sup> ; ROTA NCD 315 <sup>1)</sup> ; ROTA NCF 250 <sup>1)</sup> ; ROTA NCF 315 <sup>1)</sup> ; ROTA NCF plus 260 <sup>1)</sup> ; ROTA NCF plus 2 260-86 <sup>1)</sup> ; ROTA NCF plus 315 <sup>1)</sup> ; ROTA NCF plus 2 315-104 <sup>1)</sup> ; ROTA NCK plus 315 <sup>1)</sup> ; ROTA NCO 260 <sup>2)</sup> ; ROTA NCO 315 <sup>2)</sup> ; ROTA NCR 400 <sup>4)</sup> ; ROTA NCR 500 <sup>4)</sup> ; ROTA NCR 630 <sup>4)</sup> ; ROTA NCR 800 <sup>4)</sup> ; ROTA TP 250; ROTA TP 315; ROTA TP 350; ROTA TP-LH 350; TH 250; TH 315; THF 250; THF 315; TP 250; TP 315	<b>17 0000 6290</b>	MKA-C 250-1	125	50	80	21	28	M16	30	-	1

Futtertyp/Chuck type Verzahnung 3/32"x90° / Serration 3/32"x90°	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
HSG 400; HSG 500; HSL 400 <sup>1)</sup> ; ROTA EP 380 <sup>5)</sup> ; ROTA EP 460 <sup>5)</sup> ; ROTA EP-LH 460 <sup>5)</sup> ; ROTA NC 400 <sup>1)</sup> ; ROTA NC 500; ROTA NC 630 <sup>5)</sup> ; ROTA NC 800 <sup>5)</sup> ; ROTA NCD 400; ROTA NCD 500; ROTA NCD 630; ROTA NCF 400 <sup>1)</sup> ; ROTA NCF 500; ROTA NCF 630 <sup>5)</sup> ; ROTA NCO 400; ROTA NCO 500; ROTA NCO 630; ROTA NCO 800; ROTA NCR 1000 <sup>4)</sup> ; ROTA TB 400 <sup>5)</sup> ; ROTA TB 470 <sup>5)</sup> ; ROTA TB 500 <sup>5)</sup> ; ROTA TB 600 <sup>5)</sup> ; ROTA TB 610 <sup>5)</sup> ; ROTA TB-LH 400 <sup>5)</sup> ; ROTA TB-LH 470 <sup>5)</sup> ; ROTA TB-LH 500 <sup>5)</sup> ; ROTA TB-LH 600 <sup>5)</sup> ; ROTA TB-LH 610 <sup>5)</sup> ; ROTA TB-LH 630-275; TH 400; TH 500; THF 400; THF 500	<b>17 0000 7050</b>	MKA-C 400-1	155	60	100	25,5	35	M20	30	-	1

- 1) auch mit 1,5mm x 60° Verzahnung erhältlich
- 2) auch mit Kreuzversatz erhältlich
- 3) Zweibackenfutter
- 4) Sechsbakenfutter
- 5) Bitte überprüfen Sie die Befestigungslöcher  
Vor 2008 wurde das Spannfutter mit M18-Schrauben geliefert
- 6) Bitte überprüfen Sie die Nutbreite.  
Bei Bedarf bitte abgestufte Nutzensteine verwenden

- 1) Chuck is also available with serration 1,5mm x 60°
- 2) Chuck is also available with tongue/groove connection
- 3) 2-jaw chuck
- 4) 6-jaw chuck – please order 2 sets per 3 pcs
- 5) Please check the mounting holes  
Before 2008, the chuck was delivered with M18 screws
- 6) Please check the slot width.  
If necessary please use stepped T-nuts

# Weiche Aufsatzbacken

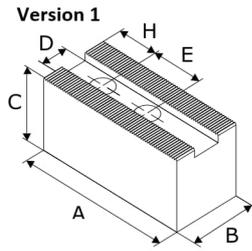
## Soft top jaws

Verzahnung 60°

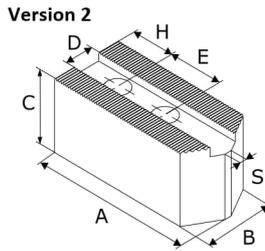
Serration 60°

Stahl/Steel C45

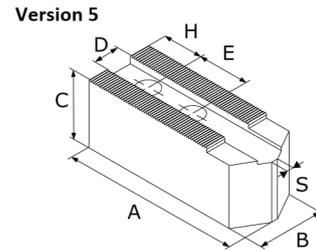
Ausführung 1



Ausführung 2



Ausführung 5



Futtertyp / Chuck type	Index / Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
HSL 165 <sup>9)</sup> ; ROTA NC 165 <sup>9)</sup> ; ROTA NC plus 185 <sup>9)</sup> ; ROTA NC plus 2 185-52 <sup>9)</sup> ; ROTA NCD 165 <sup>9)</sup> ; ROTA NCD 185 <sup>9)</sup> ; ROTA NCF 165 <sup>9)</sup> ; ROTA NCF plus 185 <sup>9)</sup> ; ROTA NCF plus 2 185-52 <sup>9)</sup> ; ROTA NCK 165; ROTA NCK plus 165 <sup>9)</sup>	<b>17 0000 7810</b>	MKS-M 165-1	72	32	32	12	20	M10	15	-	1
	<b>17 0001 1630</b>	MKS-M 165-2	72	35	60	12	20	M10	15	-	1
	<b>17 0000 0840</b>	MTS-M 165-3	75	30	30	12	20	M10	15	13	2
	<b>17 0000 0850</b>	MTS-M 165-4	81	30	30	12	20	M10	15	13	2
	<b>17 0000 7820</b>	MTS-M 165-1	82	32	32	12	20	M10	15	4	5
	<b>17 0001 1760</b>	MTS-M 165-2	82	35	60	12	20	M10	15	4	5
HSL 210 <sup>9)</sup> ; ROTA NC 210 <sup>9)</sup> ; ROTA NC plus 215 <sup>9)</sup> ; ROTA NC plus 2 215-66 <sup>9)</sup> ; ROTA NCD 215 <sup>9)</sup> ; ROTA NCF 210 <sup>9)</sup> ; ROTA NCF plus 215 <sup>9)</sup> ; ROTA NCF plus 2 215-66 <sup>9)</sup> ; ROTA NCK 210; ROTA NCK plus 210 <sup>9)</sup>	<b>17 0000 0860</b>	MTS-M 210-4	95	35	35	14	25	M12	20	15	2
	<b>17 0000 7830</b>	MKS-M 210-1	95	35	40	14	25	M12	24	-	1
	<b>17 0001 1640</b>	MKS-M 210-2	95	35	60	14	25	M12	24	-	1
	<b>17 0001 1650</b>	MKS-M 210-3	95	40	80	14	25	M12	24	-	1
	<b>17 0000 4750</b>	MKS-M 210-4	95	40	100	14	25	M12	24	-	1
	<b>17 0000 7840</b>	MTS-M 210-1	102	35	40	14	25	M12	20	4	5
	<b>17 0000 0880</b>	MTS-M 210-5	102	35	40	14	25	M12	20	15	2
	<b>17 0000 4760</b>	MTS-M 210-2	102	40	80	14	25	M12	20	4	5
HSL 250 <sup>9)</sup> ; ROTA NC 250 <sup>9)</sup> ; ROTA NC plus 260 <sup>9)</sup> ; ROTA NC plus 2 260-86 <sup>9)</sup> ; ROTA NCD 250 <sup>9)</sup> ; ROTA NCD 255 <sup>9)</sup> ; ROTA NCF 250 <sup>9)</sup> ; ROTA NCF plus 260 <sup>9)</sup> ; ROTA NCF plus 2 260-86 <sup>9)</sup> ; ROTA NCK 250; ROTA NCK plus 250 <sup>9)</sup>	<b>17 0000 7080</b>	MKS-M 250-6	90	40	60	16	30	M12	15	-	1
	<b>17 0000 7090</b>	MKS-M 250-7	90	50	80	16	30	M12	15	-	1
	<b>17 0000 0890</b>	MTS-M 250-4	110	40	40	16	30	M12	20	17	2
	<b>17 0000 7850</b>	MKS-M 250-1	110	40	42	16	30	M12	30	-	1
	<b>17 0000 7860</b>	MKS-M 250-2	110	40	60	16	30	M12	30	-	1
	<b>17 0000 1200</b>	MTS-M 250-5	110	40	60	16	30	M12	20	17	2
	<b>17 0001 1660</b>	MKS-M 250-3	110	40	80	16	30	M12	30	-	1
	<b>17 0001 1670</b>	MKS-M 250-4	120	40	100	16	30	M12	30	-	1
	<b>17 0000 1230</b>	MKS-M 250-5	120	40	120	16	30	M12	30	-	1
	<b>17 0000 7100</b>	MKS-M 250-8	120	50	50	16	30	M12	30	-	1
	<b>17 0001 1600</b>	MTS-M 250-1	125	40	42	16	30	M12	30	4	5
	<b>17 0001 1710</b>	MTS-M 250-2	125	40	60	16	30	M12	30	4	5
	<b>17 0000 7070</b>	MTS-M 250-3	125	40	100	16	30	M12	30	4	5
HSL 315 <sup>7),9)</sup> ; ROTA NC 315 <sup>9)</sup> ; ROTA NCF 315 <sup>9)</sup>	<b>17 0000 7110</b>	MKS-M 300-1	130	50	50	18	30	M14	40	-	1
	<b>17 0000 7120</b>	MKS-M 300-2	130	50	80	18	30	M14	40	-	1
	<b>17 0000 7130</b>	MKS-M 300-3	130	50	120	18	30	M14	40	-	1
	<b>17 0000 7140</b>	MTS-M 300-3	145	50	50	18	30	M14	30	10	5
	<b>17 0000 7150</b>	MTS-M 300-4	145	50	100	18	30	M14	30	10	5
HSL 315 <sup>7),9)</sup> ; ROTA NC plus 315 <sup>9)</sup> ; ROTA NC plus 2 315-104 <sup>9)</sup> ; ROTA NCD 315 <sup>9)</sup> ; ROTA NCF plus 315 <sup>9)</sup> ; ROTA NCF plus 2 315-104 <sup>9)</sup> ; ROTA NCK 315; ROTA NCK plus 315 <sup>9)</sup>	<b>17 0001 1610</b>	MKS-M 300-4	129	50	60	21	30	M16	39	-	1
	<b>17 0001 1680</b>	MKS-M 300-5	129	50	80	21	30	M16	39	-	1
	<b>17 0000 1250</b>	MKS-M 300-6	129	50	100	21	30	M16	25	-	1
	<b>17 0000 1260</b>	MKS-M 300-7	129	50	120	21	30	M16	25	-	1
	<b>17 0000 7160</b>	MKS-M 300-9	140	50	100	21	30	M16	30	-	1
	<b>17 0001 1620</b>	MTS-M 300-5	145	50	50	21	30	M16	30	10	5
	<b>17 0000 7170</b>	MTS-M 300-6	145	50	100	21	30	M16	30	10	5

# Weiche Aufsatzbacken

Verzahnung 60°

Serration 60°

## Soft top jaws

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben		Ausführung	
								Screws	H	S	Version
HSL 400 <sup>9)</sup> ; ROTA NC 400 <sup>9)</sup> ; ROTA NCF 400 <sup>9)</sup>	<b>17 0000 3060</b>	MKS-M 380-1	165	60	60	22	43	M20	37	-	1
	<b>17 0000 4100</b>	MKS-M 380-2	165	60	80	22	43	M20	37	-	1
	<b>17 0000 4120</b>	MKS-M 380-3	165	60	120	22	43	M20	37	-	1
	<b>17 0000 7180</b>	MTS-M 380-1	185	60	60	22	43	M20	30	10	5

7) Bitte überprüfen Sie die Anschlussmaße

9) auch mit 1/16" x 90° Verzahnung erhältlich

7) Please check the connecting dimensions

9) Chuck is also available with serration 1/16 x 90°

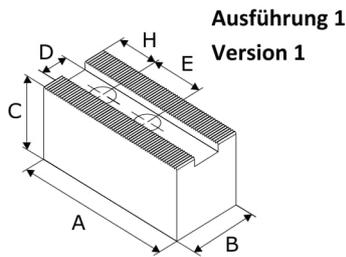
# Weiche Aufsatzbacken

## Soft top jaws

Verzahnung 60°

Serration 60°

Aluminium / Aluminum



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	S	Ausführung Version
HSL 165 <sup>9)</sup> ; ROTA NC 165 <sup>9)</sup> ; ROTA NC plus 185 <sup>9)</sup> ; ROTA NC plus 2 185-52 <sup>9)</sup> ; ROTA NCD 165 <sup>9)</sup> ; ROTA NCD 185 <sup>9)</sup> ; ROTA NCF 165 <sup>9)</sup> ; ROTA NCF plus 185 <sup>9)</sup> ; ROTA NCF plus 2 185-52 <sup>9)</sup> ; ROTA NCK 165; ROTA NCK plus 165 <sup>9)</sup>	<b>17 0000 7310</b>	MKA-M 165-1	72	35	50	12	20	M10	15	-	1
HSL 210 <sup>9)</sup> ; ROTA NC 210 <sup>9)</sup> ; ROTA NC plus 215 <sup>9)</sup> ; ROTA NC plus 2 215-66 <sup>9)</sup> ; ROTA NCD 215 <sup>9)</sup> ; ROTA NCF 210 <sup>9)</sup> ; ROTA NCF plus 215 <sup>9)</sup> ; ROTA NCF plus 2 215-66 <sup>9)</sup> ; ROTA NCK 210; ROTA NCK plus 210 <sup>9)</sup>	<b>17 0000 7320</b>	MKA-M 210-1	90	40	60	14	25	M12	20	-	1
HSL 250 <sup>9)</sup> ; ROTA NC 250 <sup>9)</sup> ; ROTA NC plus 260 <sup>9)</sup> ; ROTA NC plus 2 260-86 <sup>9)</sup> ; ROTA NCD 250 <sup>9)</sup> ; ROTA NCD 255 <sup>9)</sup> ; ROTA NCF 250 <sup>9)</sup> ; ROTA NCF plus 260 <sup>9)</sup> ; ROTA NCF plus 2 260-86 <sup>9)</sup> ; ROTA NCK 250; ROTA NCK plus 250 <sup>9)</sup>	<b>17 0000 7330</b>	MKA-M 250-1	110	40	60	16	30	M12	25	-	1
HSL 315 <sup>7),9)</sup> ; ROTA NC 315 <sup>9)</sup> ; ROTA NCF 315 <sup>9)</sup>	<b>17 0000 7340</b>	MKA-M 300-1	130	50	80	18	30	M14	40	-	1
HSL 315 <sup>7),9)</sup> ; ROTA NC plus 315 <sup>9)</sup> ; ROTA NC plus 2 315-104 <sup>9)</sup> ; ROTA NCD 315 <sup>9)</sup> ; ROTA NCF plus 315 <sup>9)</sup> ; ROTA NCF plus 2 315-104 <sup>9)</sup> ; ROTA NCK 315; ROTA NCK plus 315 <sup>9)</sup>	<b>17 0000 7350</b>	MKA-M 300-2	130	50	80	21	30	M16	40	-	1
HSL 400 <sup>9)</sup> ; ROTA NC 400 <sup>9)</sup> ; ROTA NCF 400 <sup>9)</sup>	<b>17 0000 7360</b>	MKA-M 380-2	145	60	80	22	43	M20	40	-	1

7) Bitte überprüfen Sie die Anschlussmaße  
9) auch mit 1/16" x 90° Verzahnung erhältlich

7) Please check the connecting dimensions  
9) Chuck is also available with serration 1/16 x 90°

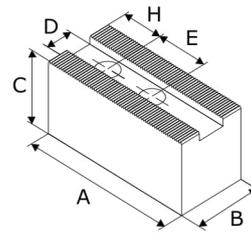
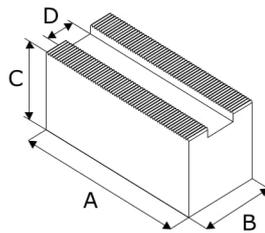
# Weiche Aufsatzbacken gebohrt oder ungebohrt

Soft jaw blanks, without or with bolt holes

Verzahnung 90°

Serration 90°

Stahl / Steel C45



**Ungebohrt**

Without bolt holes

**Gebohrt**

With bolt holes

**Futtertyp / Chuck type**

Verzahnung 1/16"x90° / Serration 1/16"x90°

	Index / Id.-No	Typ/Type	Index / Id.-No	Typ/Type	A	B	C	D
ROTA NC plus 185 <sup>1)</sup> ; ROTA NC plus 2 185-52 <sup>1)</sup> ; ROTA NCF plus 185 <sup>1)</sup> ; ROTA NCF plus 2 185-52 <sup>1)</sup> ; ROTA NCK plus 165 <sup>1)</sup> ; ROTA NCR 250 <sup>10)</sup> ; ROTA NCR 315 <sup>10)</sup> ; ROTA TP 160; TP 160	<b>17 0000 4800</b>	MBS-C 165-1	<b>17 0000 4801</b>	MWS-C 165-1	80	40	40	14
HSG 200; HSG 250; HSL 165 <sup>1)</sup> ; HSL 210 <sup>1)</sup> ; ROTA 2B 160 <sup>2),3)</sup> ; ROTA NC 165 <sup>1)</sup> ; ROTA NC 210 <sup>1)</sup> ; ROTA NC plus 215 <sup>1)</sup> ; ROTA NC plus 2 215-66 <sup>1)</sup> ; ROTA NCD 185 <sup>1)</sup> ; ROTA NCD 210 <sup>1)</sup> ; ROTA NCD 215; ROTA NCF 165 <sup>1)</sup> ; ROTA NCF 210 <sup>1)</sup> ; ROTA NCF plus 215 <sup>1)</sup> ; ROTA NCF plus 2 215-66 <sup>1)</sup> ; ROTA NCK plus 210 <sup>1)</sup> ; ROTA NCK plus 250 <sup>1)</sup> ; ROTA NCO 165 <sup>2)</sup> ; ROTA NCO 210 <sup>2)</sup> ; ROTA TP 200; TH 165; TH 210; THF 165; THF 210; TP 200	<b>17 0000 4810</b>	MBS-C 200-1	<b>17 0000 4811</b>	MWS-C 200-1	70	40	40	17
	<b>17 0000 4820</b>	MBS-C 200-2	<b>17 0000 4821</b>	MWS-C 200-2	70	40	60	17
	<b>17 0000 4830</b>	MBS-C 200-3	<b>17 0000 4831</b>	MWS-C 200-3	90	40	40	17
	<b>17 0000 4840</b>	MBS-C 200-4	<b>17 0000 4841</b>	MWS-C 200-4	90	40	60	17
	<b>17 0000 4850</b>	MBS-C 200-5	<b>17 0000 4851</b>	MWS-C 200-5	90	40	80	17
	<b>17 0000 4860</b>	MBS-C 200-6	<b>17 0000 4861</b>	MWS-C 200-6	90	40	100	17
	<b>17 0000 4870</b>	MBS-C 200-7	<b>17 0000 4871</b>	MWS-C 200-7	90	40	120	17
	<b>17 0000 4880</b>	MBS-C 200-8	<b>17 0000 4881</b>	MWS-C 200-8	105	40	40	17
	<b>17 0000 4890</b>	MBS-C 200-9	<b>17 0000 4891</b>	MWS-C 200-9	105	40	60	17
HSG 315; HSL 250 <sup>1)</sup> ; HSL 315 <sup>1)</sup> ; ROTA 2B 200 <sup>2),3)</sup> ; ROTA 2B 250 <sup>2),3),6)</sup> ; ROTA 2B 315 <sup>2),3),6)</sup> ; ROTA 2B 400 <sup>2),3),6)</sup> ; ROTA EP 500; ROTA NC 250 <sup>1)</sup> ; ROTA NC 315 <sup>1)</sup> ; ROTA NC plus 260 <sup>1)</sup> ; ROTA NC plus 2 260-86 <sup>1)</sup> ; ROTA NC plus 315 <sup>1)</sup> ; ROTA NC plus 2 315-104 <sup>1)</sup> ; ROTA NCD 250 <sup>1)</sup> ; ROTA NCD 255 <sup>1)</sup> ; ROTA NCD 315 <sup>1)</sup> ; ROTA NCF 250 <sup>1)</sup> ; ROTA NCF 315 <sup>1)</sup> ; ROTA NCF plus 260 <sup>1)</sup> ; ROTA NCF plus 2 260-86 <sup>1)</sup> ; ROTA NCF plus 315 <sup>1)</sup> ; ROTA NCF plus 2 315-104 <sup>1)</sup> ; ROTA NCK plus 315 <sup>1)</sup> ; ROTA NCO 260 <sup>2)</sup> ; ROTA NCO 315 <sup>2)</sup> ; ROTA NCR 400 <sup>10)</sup> ; ROTA NCR 500 <sup>10)</sup> ; ROTA NCR 630 <sup>10)</sup> ; ROTA NCR 800 <sup>10)</sup> ; ROTA TP 250; ROTA TP 315; ROTA TP 350; ROTA TP-LH 350; TH 250; TH 315; THF 250; THF 315; TP 250; TP 315	<b>17 0000 4900</b>	MBS-C 250-1	<b>17 0000 4901</b>	MWS-C 250-1	90	45	45	21
	<b>17 0000 4910</b>	MBS-C 250-2	<b>17 0000 4911</b>	MWS-C 250-2	90	45	80	21
	<b>17 0000 4920</b>	MBS-C 250-3	<b>17 0000 4921</b>	MWS-C 250-3	110	45	45	21
	<b>17 0000 4930</b>	MBS-C 250-4	<b>17 0000 4931</b>	MWS-C 250-4	110	45	80	21
	<b>17 0000 4940</b>	MBS-C 250-5	<b>17 0000 4941</b>	MWS-C 250-5	125	50	50	21
	<b>17 0000 4950</b>	MBS-C 250-6	<b>17 0000 4951</b>	MWS-C 250-6	125	50	80	21
	<b>17 0000 4960</b>	MBS-C 250-7	<b>17 0000 4961</b>	MWS-C 250-7	125	50	100	21
	<b>17 0000 4970</b>	MBS-C 250-8	<b>17 0000 4971</b>	MWS-C 250-8	125	50	120	21
	<b>17 0000 4980</b>	MBS-C 250-9	<b>17 0000 4981</b>	MWS-C 250-9	140	50	60	21
	<b>17 0000 4990</b>	MBS-C 250-10	<b>17 0000 4991</b>	MWS-C 250-10	140	50	80	21

1) auch mit 1,5mm x 60° Verzahnung erhältlich

2) auch mit Kreuzversatz erhältlich

3) Zweibackenfutter

6) Bitte überprüfen Sie die Nutbreite.

Bei Bedarf bitte abgestufte Nutensteine verwenden

10) 6-Backenfutter

1) Chuck is also available with serration 1,5mm x 60°

2) Chuck is also available with tongue/groove connection

3) 2-jaw chuck

6) Please check the slot width.

If necessary please use stepped T-nuts

10) 6-jaw chuck

Für gebohrte Backenrohlinge geben Sie bitte die Maße H und E an

For jaws with bolt holes please indicate H and E dimensions

Nutbreite 14 mm

Nutbreite 17 mm

Slot width 14 mm

Slot width 17 mm

Bohrung für M10

Bohrung für M12

bored for M10

bored for M12

Mindestwert:

Mindestwert:

Minimum values:

Minimum values:

H = 12 mm, E = 16 mm

H = 12 mm, E = 19 mm

H = 12 mm, E = 16 mm

H = 12 mm, E = 19 mm

Nutbreite 21 mm

Slot width 21 mm

Bohrung für M16

bored for M16

Mindestwert:

Minimum values:

H = 15 mm, E = 25 mm

H = 15 mm, E = 25 mm

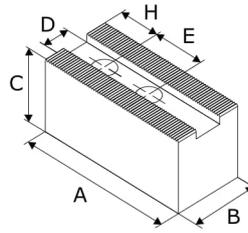
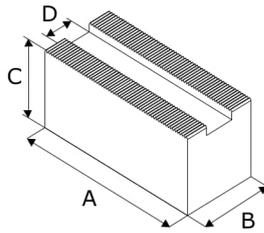
# Weiche Aufsatzbacken gebohrt oder ungebohrt

Soft jaw blanks, without or with bolt holes

Verzahnung 60°

Serration 60°

Stahl / Steel C45



**Ungebohrt**

Without bolt holes

**Gebohrt**

With bolt holes

**Futtertyp / Chuck type**

Verzahnung 1,5mm x60° / Serration 1,5mm x60°

	Index / Id.-No	Typ/Type	Index / Id.-No	Typ/Type	A	B	C	D
HSL 165 <sup>9)</sup> ; ROTA NC 165 <sup>9)</sup> ; ROTA NC plus 185 <sup>9)</sup> ; ROTA NC plus 2 185-52 <sup>9)</sup> ; ROTA NCD 165 <sup>9)</sup> ; ROTA NCD 185 <sup>9)</sup> ; ROTA NCF 165 <sup>9)</sup> ; ROTA NCF plus 185 <sup>9)</sup> ; ROTA NCF plus 2 185-52 <sup>9)</sup> ; ROTA NCK 165; ROTA NCK plus 165 <sup>9)</sup>	<b>17 000 6550</b>	MBS-M 165-1	<b>17 000 6551</b>	MWS-M 165-1	81	30	60	12
HSL 210 <sup>9)</sup> ; ROTA NC 210 <sup>9)</sup> ; ROTA NC plus 215 <sup>9)</sup> ; ROTA NC plus 2 215-66 <sup>9)</sup> ; ROTA NCD 215 <sup>9)</sup> ; ROTA NCF 210 <sup>9)</sup> ; ROTA NCF plus 215 <sup>9)</sup> ; ROTA NCF plus 2 215-66 <sup>9)</sup> ; ROTA NCK 210; ROTA NCK plus 210 <sup>9)</sup>	<b>17 000 5000</b>	MBS-M 210-1	<b>17 000 5001</b>	MWS-M 210-1	95	35	35	14
	<b>17 000 5010</b>	MBS-M 210-2	<b>17 000 5011</b>	MWS-M 210-2	95	40	60	14
	<b>17 000 5020</b>	MBS-M 210-3	<b>17 000 5021</b>	MWS-M 210-3	95	40	80	14
	<b>17 000 5030</b>	MBS-M 210-4	<b>17 000 5031</b>	MWS-M 210-4	95	40	100	14
	<b>17 000 5040</b>	MBS-M 210-5	<b>17 000 5041</b>	MWS-M 210-5	102	40	80	14
	<b>17 000 5050</b>	MBS-M 210-6	<b>17 000 5051</b>	MWS-M 210-6	102	40	100	14
HSL 250 <sup>9)</sup> ; ROTA NC 250 <sup>9)</sup> ; ROTA NC plus 260 <sup>9)</sup> ; ROTA NC plus 2 260-86 <sup>9)</sup> ; ROTA NCD 250 <sup>9)</sup> ; ROTA NCD 255 <sup>9)</sup> ; ROTA NCF 250 <sup>9)</sup> ; ROTA NCF plus 260 <sup>9)</sup> ; ROTA NCF plus 2 260-86 <sup>9)</sup> ; ROTA NCK 250; ROTA NCK plus 250 <sup>9)</sup>	<b>17 000 5060</b>	MBS-M 250-1	<b>17 000 5061</b>	MWS-M 250-1	110	40	40	16
	<b>17 000 5070</b>	MBS-M 250-2	<b>17 000 5071</b>	MWS-M 250-2	110	40	60	16
	<b>17 000 5080</b>	MBS-M 250-3	<b>17 000 5081</b>	MWS-M 250-3	110	40	80	16
	<b>17 000 5090</b>	MBS-M 250-4	<b>17 000 5091</b>	MWS-M 250-4	110	40	100	16
	<b>17 000 5100</b>	MBS-M 250-5	<b>17 000 5101</b>	MWS-M 250-5	129	40	60	16
HSL 315 <sup>7),9)</sup> ; ROTA NC plus 315 <sup>9)</sup> ; ROTA NC plus 2 315-104 <sup>9)</sup> ; ROTA NCD 315 <sup>9)</sup> ; ROTA NCF plus 315 <sup>9)</sup> ; ROTA NCF plus 2 315-104 <sup>9)</sup> ; ROTA NCK 315; ROTA NCK plus 315 <sup>9)</sup>	<b>17 000 5110</b>	MBS-M 300-1	<b>17 000 5111</b>	MWS-M 300-1	129	50	80	21
	<b>17 000 5120</b>	MBS-M 300-2	<b>17 000 5121</b>	MWS-M 300-2	129	50	100	21
	<b>17 000 5130</b>	MBS-M 300-3	<b>17 000 5131</b>	MWS-M 300-3	129	50	120	21

7) Bitte überprüfen Sie die Anschlussmaße

7) Please check the connecting dimensions

9) auch mit 1/16" x 90° Verzahnung erhältlich

9) Chuck is also available with serration 1/16 x 90°

Für gebohrte Backenrohlinge geben Sie bitte die Maße H und E an

For jaws with bolt holes please indicate H and E dimensions

Nutbreite 12 mm

Bohrung für M10

Mindestwert:

H = 12 mm, E = 16 mm

Nutbreite 14 mm

Bohrung für M12

Mindestwert:

H = 12 mm, E = 19 mm

Slot width 12 mm

bored for M10

Minimum values:

H = 12 mm, E = 16mm

Slot width 14 mm

bored for M12

Minimum values:

H = 12 mm, E = 19 mm

Nutbreite 16 mm

Bohrung für M12

Mindestwert:

H = 12 mm, E = 19 mm

Nutbreite 21 mm

Bohrung für M16

Mindestwert:

H = 15 mm, E = 25 mm

Slot width 16 mm

bored for M12

Minimum values:

H = 12 mm, E = 19 mm

Slot width 21 mm

bored for M16

Minimum values:

H = 15 mm, E = 25 mm

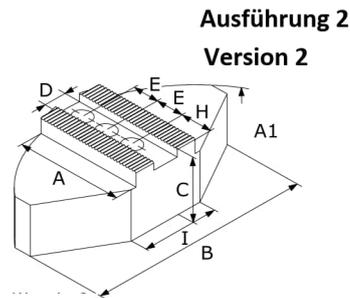
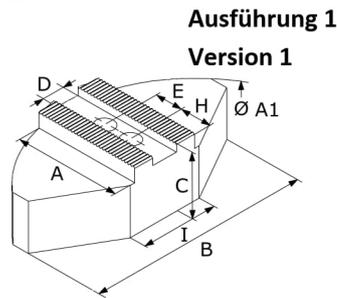
# Segmentbacken

Soft full grip jaws

Verzahnung 90°

Serration 90°

Stahl / Steel C45



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	I	A1	Ausführung Version
HSG 140; ROTA NCD 130; ROTA NCD 132	<b>17 0000 7370</b>	GPS-C 130-1	50	100	40	10	12	M6	15	35	130	2
HSG 160; ROTA NCD 160; ROTA NCD 165 <sup>1)</sup>	<b>17 0000 7380</b>	GPS-C 160-1	60	120	60	12	15	M8	20	40	160	2
ROTA NC plus 185 <sup>1)</sup> ; ROTA NC plus 2 185-52 <sup>1)</sup> ; ROTA NCF plus 185 <sup>1)</sup> ; ROTA NCF plus 2 185-52 <sup>1)</sup> ; ROTA NCK plus 165 <sup>1)</sup> ; ROTA NCR 250 <sup>4)</sup> ; ROTA NCR 315 <sup>4)</sup> ; ROTA TP 160; TP 160	<b>17 0000 6580</b>	GPS-C 160-3	60	120	60	14	20	M10	25	40	160	1
HSL 165 <sup>1)</sup> ; ROTA NC 165 <sup>1)</sup> ; ROTA NCD 185 <sup>1)</sup> ; ROTA NCF 165 <sup>1)</sup> ; ROTA NCO 165 <sup>2)</sup> ; TH 165; THF 165	<b>17 0000 6590</b>	GPS-C 165-1	60	120	60	17	22	M12	25	40	160	1
HSG 200; HSG 250	<b>17 0000 7400</b>	GPS-C 200-3	70	140	60	17	19	M12	36	50	200	1
HSL 210 <sup>1)</sup> ; ROTA NC 210 <sup>1)</sup> ; ROTA NC plus 215 <sup>1)</sup> ; ROTA NC plus 2 215-66 <sup>1)</sup> ; ROTA NCD 210 <sup>1)</sup> ; ROTA NCD 215; ROTA NCF 210 <sup>1)</sup> ; ROTA NCF plus 215 <sup>1)</sup> ; ROTA NCF plus 2 215-66 <sup>1)</sup> ; ROTA NCK plus 210 <sup>1)</sup> ; ROTA NCK plus 250 <sup>1)</sup> ; ROTA NCO 210 <sup>2)</sup> ; ROTA TP 200; TH 210; THF 210; TP 200	<b>17 0000 1300</b>       <b>17 0000 6560</b>	GPS-C 200-1       GPS-C 200-2	70       70	140       140	60       75	17       17	22       22	M12       M12	35       35	64       64	200       200	1       1
ROTA NCK plus 250 <sup>1)</sup>	<b>17 0000 7390</b>	GPS-C 250-1	79	180	60	17	22	M12	44,5	104	250	1
HSL 250 <sup>1)</sup> ; ROTA NC 250 <sup>1)</sup> ; ROTA NC plus 260 <sup>1)</sup> ; ROTA NC plus 2 260-86 <sup>1)</sup> ; ROTA NCD 250 <sup>1)</sup> ; ROTA NCD 255 <sup>1)</sup> ; ROTA NCF 250 <sup>1)</sup> ; ROTA NCF plus 260 <sup>1)</sup> ; ROTA NCF plus 2 260-86 <sup>1)</sup> ; ROTA NCO 260 <sup>2)</sup> ; ROTA NCR 500 <sup>4)</sup> ; ROTA NCR 630 <sup>4)</sup> ; ROTA NCR 800 <sup>4)</sup> ; ROTA TP 250; TH 250; THF 250; TP 250	<b>17 0000 1310</b>       <b>17 0000 6570</b>	GPS-C 250-2       GPS-C 250-3	80       80	180       180	70       100	21       21	28       28	M16       M16	30       30	104       104	250       250	1       1
HSL 315 <sup>1)</sup> ; ROTA EP 500; ROTA NC 315 <sup>1)</sup> ; ROTA NC plus 315 <sup>1)</sup> ; ROTA NC plus 2 315-104 <sup>1)</sup> ; ROTA NCD 315 <sup>1)</sup> ; ROTA NCF 315 <sup>1)</sup> ; ROTA NCF plus 315 <sup>1)</sup> ; ROTA NCF plus 2 315-104 <sup>1)</sup> ; ROTA NCK plus 315 <sup>1)</sup> ; ROTA NCO 315 <sup>2)</sup> ; ROTA TP 315; ROTA TP 350; ROTA TP-LH 350; TH 315; THF 315; TP 315	<b>17 0000 1320</b>	GPS-C 315-1	110	240	70	21	28	M16	60	120	320	1

# Segmentbacken

Soft full grip jaws

Verzahnung 90°

Serration 90°

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	I	A1	Ausführung Version
Verzahnung 3/32" x 90° / Serration 3/32" x 90° HSG 400; HSG 500; HSL 400 <sup>1)</sup> ; ROTA EP 380 <sup>5)</sup> ; ROTA EP 460 <sup>5)</sup> ; ROTA EP-LH 460 <sup>5)</sup> ; ROTA NC 400 <sup>1)</sup> ; ROTA NC 500; ROTA NC 630 <sup>6)</sup> ; ROTA NC 800 <sup>6)</sup> ; ROTA NCD 400; ROTA NCD 500; ROTA NCD 630; ROTA NCF 400 <sup>1)</sup> ; ROTA NCF 500; ROTA NCF 630 <sup>6)</sup> ; ROTA NCO 400; ROTA NCO 500; ROTA NCO 630; ROTA NCO 800; ROTA NCR 1000 <sup>4)</sup> ; ROTA TB 400 <sup>5)</sup> ; ROTA TB 470; ROTA TB 500 <sup>5)</sup> ; ROTA TB 600 <sup>5)</sup> ; ROTA TB 610 <sup>5)</sup> ; ROTA TB-LH 400 <sup>5)</sup> ; ROTA TB-LH 470 <sup>5)</sup> ; ROTA TB-LH 500 <sup>5)</sup> ; ROTA TB-LH 600 <sup>5)</sup> ; ROTA TB-LH 610 <sup>5)</sup> ; ROTA TB-LH 630-275; TB 400 <sup>5)</sup> ; TH 400; TH 500; THF 400; THF 500	<b>17 0001 1690</b>	GPS-C 400-1	155	330	85	25,5	35	M20	85	150	440	1

1) auch mit 1,5mm x 60° Verzahnung erhältlich

2) auch mit Kreuzversatz erhältlich

4) Sechsbakenfutter

5) Bitte überprüfen Sie die Befestigungslöcher

Vor 2008 wurde das Spannfutter mit M18-Schrauben geliefert

6) Bitte überprüfen Sie die Nutbreite.

Bei Bedarf bitte abgestufte Nutensteine verwenden

1) Chuck is also available with serration 1,5mm x 60°

2) Chuck is also available with tongue/groove connection

4) 6-jaw chuck – please order 2 sets per 3 pcs

5) Please check the mounting holes

Before 2008, the chuck was delivered with M18 screws

6) Please check the slot width.

If necessary please use stepped T-nuts

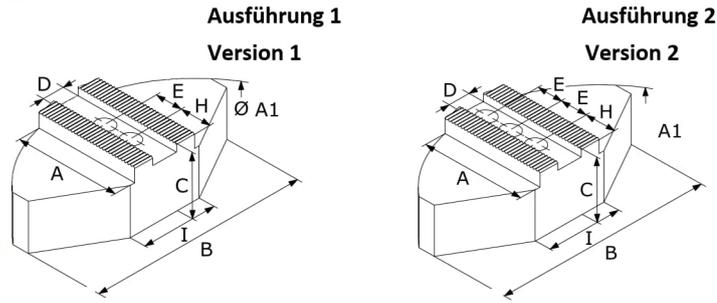
# Segmentbacken

Soft full grip jaws

Verzahnung 90°

Serration 90°

Aluminium / Aluminum



Futtertyp/Chuck type Verzahnung 1/16" x 90° / Serration 1/16" x 90°	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	I	A1	Ausführung Version
HSG 140; ROTA NCD 130; ROTA NCD 132	<b>17 0000 7410</b>	GPA-C 130-1	50	100	48	10	12	M6	15	35	130	2
HSG 160; ROTA NCD 160; ROTA NCD 165 <sup>1)</sup>	<b>17 0000 7420</b>	GPA-C 160-1	59,5	120	58	12	15	M8	20	40	165	2
ROTA NC plus 185 <sup>1)</sup> ; ROTA NC plus 2 185-52 <sup>1)</sup> ; ROTA NCF plus 185 <sup>1)</sup> ; ROTA NCF plus 2 185-52 <sup>1)</sup> ; ROTA NCK plus 165 <sup>1)</sup> ; ROTA NCR 250 <sup>4)</sup> ; ROTA NCR 315 <sup>4)</sup> ; ROTA TP 160; TP 160	<b>17 0000 6300</b>	GPA-C 160-2	59,5	120	58	14	20	M10	25	40	165	1
HSL 165 <sup>1)</sup> ; ROTA NC 165 <sup>1)</sup> ; ROTA NCD 185 <sup>1)</sup> ; ROTA NCF 165 <sup>1)</sup> ; ROTA NCO 165 <sup>2)</sup> ; TH 165; THF 165	<b>17 0000 6310</b>	GPA-C 165-1	59,5	120	58	17	22	M12	22	40	165	1
HSG 200; HSG 250	<b>17 0000 7430</b>	GPA-C 200-3	72,5	140	58	17	19	M12	41	50	200	1
HSL 210 <sup>1)</sup> ; ROTA NC 210 <sup>1)</sup> ; ROTA NC plus 215 <sup>1)</sup> ; ROTA NC plus 2 215-66 <sup>1)</sup> ; ROTA NCD 210 <sup>1)</sup> ; ROTA NCD 215; ROTA NCF 210 <sup>1)</sup> ; ROTA NCF plus 215 <sup>1)</sup> ; ROTA NCF plus 2 215-66 <sup>1)</sup> ; ROTA NCK plus 210 <sup>1)</sup> ; ROTA NCK plus 250 <sup>1)</sup> ; ROTA NCO 210 <sup>2)</sup> ; ROTA TP 200; TH 210; THF 210; TP 200	<b>17 0000 6320</b>	GPA-C 200-1	72,5	140	58	17	22	M12	35	50	200	1
HSL 210 <sup>1)</sup> ; ROTA NC 210 <sup>1)</sup> ; ROTA NC plus 215 <sup>1)</sup> ; ROTA NC plus 2 215-66 <sup>1)</sup> ; ROTA NCD 210 <sup>1)</sup> ; ROTA NCD 215; ROTA NCF 210 <sup>1)</sup> ; ROTA NCF plus 215 <sup>1)</sup> ; ROTA NCF plus 2 215-66 <sup>1)</sup> ; ROTA NCK plus 210 <sup>1)</sup> ; ROTA NCK plus 250 <sup>1)</sup> ; ROTA NCO 210 <sup>2)</sup> ; ROTA TP 200; TH 210; THF 210; TP 200	<b>17 0000 6330</b>	GPA-C 200-2	72,5	140	75	17	22	M12	35	50	200	1
HSL 250 <sup>1)</sup> ; ROTA NC 250 <sup>1)</sup> ; ROTA NC plus 260 <sup>1)</sup> ; ROTA NC plus 2 260-86 <sup>1)</sup> ; ROTA NCD 250 <sup>1)</sup> ; ROTA NCD 255 <sup>1)</sup> ; ROTA NCF 250 <sup>1)</sup> ; ROTA NCF plus 260 <sup>1)</sup> ; ROTA NCF plus 2 260-86 <sup>1)</sup> ; ROTA NCO 260 <sup>2)</sup> ; ROTA NCR 500 <sup>4)</sup> ; ROTA NCR 630 <sup>4)</sup> ; ROTA NCR 800 <sup>4)</sup> ; ROTA TP 250; TH 250; THF 250; TP 250	<b>17 0000 6340</b>	GPA-C 250-1	87,5	180	78	21	28	M16	40	70	250	1
HSL 250 <sup>1)</sup> ; ROTA NC 250 <sup>1)</sup> ; ROTA NC plus 260 <sup>1)</sup> ; ROTA NC plus 2 260-86 <sup>1)</sup> ; ROTA NCD 250 <sup>1)</sup> ; ROTA NCD 255 <sup>1)</sup> ; ROTA NCF 250 <sup>1)</sup> ; ROTA NCF plus 260 <sup>1)</sup> ; ROTA NCF plus 2 260-86 <sup>1)</sup> ; ROTA NCO 260 <sup>2)</sup> ; ROTA NCR 500 <sup>4)</sup> ; ROTA NCR 630 <sup>4)</sup> ; ROTA NCR 800 <sup>4)</sup> ; ROTA TP 250; TH 250; THF 250; TP 250	<b>17 0000 6350</b>	GPA-C 250-2	87,5	180	100	21	28	M16	40	70	250	1
HSL 315 <sup>1)</sup> ; ROTA EP 500; ROTA NC 315 <sup>1)</sup> ; ROTA NC plus 315 <sup>1)</sup> ; ROTA NC plus 2 315-104 <sup>1)</sup> ; ROTA NCD 315 <sup>1)</sup> ; ROTA NCF 315 <sup>1)</sup> ; ROTA NCF plus 315 <sup>1)</sup> ; ROTA NCF plus 2 315-104 <sup>1)</sup> ; ROTA NCK plus 315 <sup>1)</sup> ; ROTA NCO 315 <sup>2)</sup> ; ROTA TP 315; ROTA TP 350; ROTA TP-LH 350; TH 315; THF 315; TP 315	<b>17 0000 6360</b>	GPA-C 315-1	117	240	78	21	28	M16	70	80	320	1

# Segmentbacken

Verzahnung 90°

Serration 90°

Soft full grip jaws

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	I	A1	Ausführung Version
HSG 400; HSG 500; HSL 400 <sup>1)</sup> ; ROTA EP 380 <sup>5)</sup> ; ROTA EP 460 <sup>5)</sup> ; ROTA EP-LH 460 <sup>5)</sup> ; ROTA NC 400 <sup>1)</sup> ; ROTA NC 500; ROTA NC 630 <sup>6)</sup> ; ROTA NC 800 <sup>6)</sup> ; ROTA NCD 400; ROTA NCD 500; ROTA NCD 630; ROTA NCF 400 <sup>1)</sup> ; ROTA NCF 500; ROTA NCF 630 <sup>6)</sup> ; ROTA NCO 400; ROTA NCO 500; ROTA NCO 630; ROTA NCO 800; ROTA NCR 1000 <sup>4)</sup> ; ROTA TB 400 <sup>5)</sup> ; ROTA TB 470 <sup>5)</sup> ; ROTA TB 500 <sup>5)</sup> ; ROTA TB 600 <sup>5)</sup> ; ROTA TB 610 <sup>5)</sup> ; ROTA TB-LH 400 <sup>5)</sup> ; ROTA TB-LH 470 <sup>5)</sup> ; ROTA TB-LH 500 <sup>5)</sup> ; ROTA TB-LH 600 <sup>5)</sup> ; ROTA TB-LH 610 <sup>5)</sup> ; ROTA TB-LH 630-275; TB 400 <sup>5)</sup> ; TH 400; TH 500; THF 400; THF 500	<b>17 0001 1770</b>	GPA-C 400-1	160	330	98	25,5	35	M20	85	150	440	1

1) auch mit 1,5mm x 60° Verzahnung erhältlich

2) auch mit Kreuzversatz erhältlich

4) Sechsbakenfutter

5) Bitte überprüfen Sie die Befestigungslöcher

Vor 2008 wurde das Spannfutter mit M18-Schrauben geliefert

6) Bitte überprüfen Sie die Nutbreite.

Bei Bedarf bitte abgestufte Nutensteine verwenden

1) Chuck is also available with serration 1,5mm x 60°

2) Chuck is also available with tongue/groove connection

4) 6-jaw chuck – please order 2 sets per 3 pcs

5) Please check the mounting holes

Before 2008, the chuck was delivered with M18 screws

6) Please check the slot width.

If necessary please use stepped T-nuts

# Segmentbacken

Soft full grip jaws

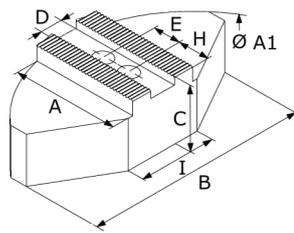
Verzahnung 60°

Serration 60°

Stahl / Steel C45

Ausführung 1

Version 1



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	I	A1	Ausführung Version
HSL 165 <sup>9)</sup> ; ROTA NC 165 <sup>9)</sup> ; ROTA NC plus 185 <sup>9)</sup> ; ROTA NC plus 2 185-52 <sup>9)</sup> ; ROTA NCD 165 <sup>9)</sup> ; ROTA NCD 185 <sup>9)</sup> ; ROTA NCF 165 <sup>9)</sup> ; ROTA NCF plus 185 <sup>9)</sup> ; ROTA NCF plus 2 185-52 <sup>9)</sup> ; ROTA NCK 165; ROTA NCK plus 165 <sup>9)</sup>	<b>17 0000 1380</b>	GPS-M 165-1	60	120	50	12	20	M10	25	50	160	1
HSL 210 <sup>9)</sup> ; ROTA NC 210 <sup>9)</sup> ; ROTA NC plus 215 <sup>9)</sup> ; ROTA NC plus 2 215-66 <sup>9)</sup> ; ROTA NCD 215 <sup>9)</sup> ; ROTA NCF 210 <sup>9)</sup> ; ROTA NCF plus 215 <sup>9)</sup> ; ROTA NCF plus 2 215-66 <sup>9)</sup> ; ROTA NCK 210; ROTA NCK plus 210 <sup>9)</sup>	<b>17 0000 1390</b> <b>17 0000 6610</b>	GPS-M 210-1 GPS-M 210-2	70	140	60	14	25	M12	30	70	200	1
HSL 250 <sup>9)</sup> ; ROTA NC 250 <sup>9)</sup> ; ROTA NC plus 260 <sup>9)</sup> ; ROTA NC plus 2 260-86 <sup>9)</sup> ; ROTA NCD 250 <sup>9)</sup> ; ROTA NCD 255 <sup>9)</sup> ; ROTA NCF 250 <sup>9)</sup> ; ROTA NCF plus 260 <sup>9)</sup> ; ROTA NCK 250; ROTA NCK plus 250 <sup>9)</sup>	<b>17 0000 1400</b> <b>17 0000 6620</b>	GPS-M 250-1 GPS-M 250-2	80	180	60	16	30	M12	30	100	250	1
HSL 315 <sup>7),9)</sup> ; ROTA NC 315 <sup>9)</sup> ; ROTA NCF 315 <sup>9)</sup>	<b>17 0000 4220</b>	GPS-M 300-1	110	240	70	18	30	M14	40	120	300	1
HSL 315 <sup>7),9)</sup> ; ROTA NC plus 315 <sup>9)</sup> ; ROTA NC plus 2 315-104 <sup>9)</sup> ; ROTA NCD 315 <sup>9)</sup> ; ROTA NCF plus 315 <sup>9)</sup> ; ROTA NCF plus 2 315-104 <sup>9)</sup> ; ROTA NCK 315; ROTA NCK plus 315 <sup>9)</sup>	<b>17 0000 1410</b>	GPS-M 300-2	110	240	70	21	30	M16	45	120	300	1

7) Bitte überprüfen Sie die Anschlussmaße

9) auch mit 1/16" x 90° Verzahnung erhältlich

7) Please check the connecting dimensions

9) Chuck is also available with serration 1/16 x 90°

# Segmentbacken

Soft full grip jaws

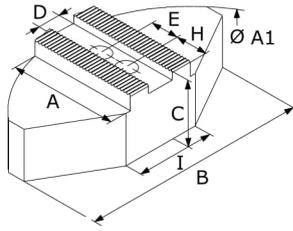
Verzahnung 60°

Serration 60°

Aluminium / Aluminum

Ausführung 1

Version 1



Futkertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	I	A1	Ausführung Version
HSL 165 <sup>9)</sup> ; ROTA NC 165 <sup>9)</sup> ; ROTA NC plus 185 <sup>9)</sup> ; ROTA NC plus 2 185-52 <sup>9)</sup> ; ROTA NCD 165 <sup>9)</sup> ; ROTA NCD 185 <sup>9)</sup> ; ROTA NCF 165 <sup>9)</sup> ; ROTA NCF plus 185 <sup>9)</sup> ; ROTA NCF plus 2 185-52 <sup>9)</sup> ; ROTA NCK 165; ROTA NCK plus 165 <sup>9)</sup>	<b>17 0000 6370</b>	GPA-M 165-1	59,5	120	58	12	20	M10	25	40	165	1
HSL 210 <sup>9)</sup> ; ROTA NC 210 <sup>9)</sup> ; ROTA NC plus 215 <sup>9)</sup> ; ROTA NC plus 2 215-66 <sup>9)</sup> ; ROTA NCD 215 <sup>9)</sup> ; ROTA NCF 210 <sup>9)</sup> ; ROTA NCF plus 215 <sup>9)</sup> ; ROTA NCF plus 2 215-66 <sup>9)</sup> ; ROTA NCK 210; ROTA NCK plus 210 <sup>9)</sup>	<b>17 0000 6380</b> <b>17 0000 6390</b>	GPA-M 210-1 GPA-M 210-2	72,5	140	58 80	14	25	M12	35	50	200	1
HSL 250 <sup>9)</sup> ; ROTA NC 250 <sup>9)</sup> ; ROTA NC plus 260 <sup>9)</sup> ; ROTA NC plus 2 260-86 <sup>9)</sup> ; ROTA NCD 250 <sup>9)</sup> ; ROTA NCD 255 <sup>9)</sup> ; ROTA NCF 250 <sup>9)</sup> ; ROTA NCF plus 260 <sup>9)</sup> ; ROTA NCF plus 2 260-86 <sup>9)</sup> ; ROTA NCK 250; ROTA NCK plus 250 <sup>9)</sup>	<b>17 0000 6400</b> <b>17 0000 6410</b>	GPA-M 250-1 GPA-M 250-2	87,5	180	58 80	16	30	M12	40	70	250	1
HSL 315 <sup>7),9)</sup> ; ROTA NC 315 <sup>9)</sup> ; ROTA NCF 315 <sup>9)</sup>	<b>17 0000 6420</b>	GPA-M 300-1	117	240	78	18	30	M14	40	80	320	1
HSL 315 <sup>7),9)</sup> ; ROTA NC plus 315 <sup>9)</sup> ; ROTA NC plus 2 315-104 <sup>9)</sup> ; ROTA NCD 315 <sup>9)</sup> ; ROTA NCF plus 315 <sup>9)</sup> ; ROTA NCF plus 2 315-104 <sup>9)</sup> ; ROTA NCK 315; ROTA NCK plus 315 <sup>9)</sup>	<b>17 0000 6430</b>	GPA-M 300-2	117	240	78	21	30	M16	45	80	320	1

7) Bitte überprüfen Sie die Anschlussmaße

9) auch mit 1/16" x 90° Verzahnung erhältlich

7) Please check the connecting dimensions

9) Chuck is also available with serration 1/16 x 90°

# Harte Aufsatzbacken

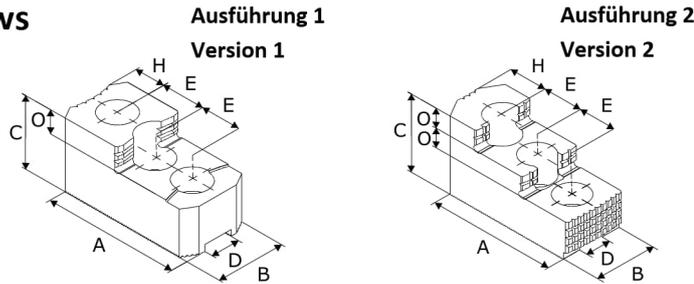
## Hard stepped top jaws

Verzahnung 90°

Serration 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp / Chuck type	Index / Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	O	Ausführung Version
<b>Verzahnung 1/16"x90° / Serration 1/16"x90°</b>											
ROTA TP 125; TP 125	<b>17 0000 7440</b>	SGT-C 125-1	58,5	26	40	11	16	M8	14,5	9	2
HSG 140; ROTA NCD 130; ROTA NCD 132	<b>17 0000 7450</b>	SGT-C 130-1	58	26	37,5	10	12	M6	11	10	2
HSG 160; ROTA NCD 160; ROTA NCD 165 <sup>1)</sup>	<b>17 0000 1460</b>	SGT-C 160-1	58	30	34	12	16	M8	13	8,5	2
ROTA NC plus 185 <sup>1)</sup> ; ROTA NC plus 2 185-52 <sup>1)</sup> ; ROTA NCF plus 185 <sup>1)</sup> ; ROTA NCF plus 2 185-52 <sup>1)</sup> ; ROTA NCK plus 165 <sup>1)</sup> ; ROTA NCR 250 <sup>4)</sup> ; ROTA NCR 315 <sup>4)</sup> ; ROTA TP 160; TP 160	<b>17 0000 1470</b>	SGT-C 160-2	65	34	40	14	16,5	M10	17,5	9,5	2
HSL 165 <sup>1)</sup> ; ROTA NC 165 <sup>1)</sup> ; ROTA NCD 185 <sup>1)</sup> ; ROTA NCF 165 <sup>1)</sup> ; ROTA NCO 165 <sup>2)</sup> ; TH 165; THF 165	<b>17 0000 7460</b> <b>17 0000 7470</b>	SGT-C 165-1 SGT-C 165-2	64,7 72,5	35 40	40 49	17 17	19 19	M12 M12	28 18	10 12	2 2
HSG 200; HSG 250; HSL 210 <sup>1)</sup> ; ROTA NC 210 <sup>1)</sup> ; ROTA NC plus 215 <sup>1)</sup> ; ROTA NC plus 2 215-66 <sup>1)</sup> ; ROTA NCD 210 <sup>1)</sup> ; ROTA NCD 215; ROTA NCF 210 <sup>1)</sup> ; ROTA NCF plus 215 <sup>1)</sup> ; ROTA NCF plus 2 215-66 <sup>1)</sup> ; ROTA NCK plus 210 <sup>1)</sup> ; ROTA NCK plus 250 <sup>1)</sup> ; ROTA NCO 210 <sup>2)</sup> ; ROTA TP 200; TH 210; THF 210; TP 200	<b>17 0000 1480</b>	SGT-C 200-1	83	40	46	17	23	M12	20	10,5	2
HSL 250 <sup>1)</sup> ; ROTA NC 250 <sup>1)</sup> ; ROTA NC plus 260 <sup>1)</sup> ; ROTA NC plus 2 260-86 <sup>1)</sup> ; ROTA NCD 250 <sup>1)</sup> ; ROTA NCD 255 <sup>1)</sup> ; ROTA NCF 250 <sup>1)</sup> ; ROTA NCF plus 260 <sup>1)</sup> ; ROTA NCF plus 2 260-86 <sup>1)</sup> ; ROTA NCO 260 <sup>2)</sup> ; ROTA NCR 500 <sup>4)</sup> ; ROTA NCR 630 <sup>4)</sup> ; ROTA NCR 800 <sup>4)</sup> ; ROTA TP 250; TH 250; THF 250; TP 250	<b>17 0000 1490</b>	SGT-C 250-1	106	45	56	21	30	M16	27	13,5	2
HSL 315 <sup>1)</sup> ; ROTA EP 500; ROTA NC 315 <sup>1)</sup> ; ROTA NC plus 315 <sup>1)</sup> ; ROTA NC plus 2 315-104 <sup>1)</sup> ; ROTA NCD 315 <sup>1)</sup> ; ROTA NCF 315 <sup>1)</sup> ; ROTA NCF plus 315 <sup>1)</sup> ; ROTA NCF plus 2 315-104 <sup>1)</sup> ; ROTA NCK plus 315 <sup>1)</sup> ; ROTA NCO 315 <sup>2)</sup> ; ROTA NCR 400 <sup>4)</sup> ; ROTA NCR 500 <sup>4)</sup> ; ROTA NCR 630 <sup>4)</sup> ; ROTA NCR 800 <sup>4)</sup> ; ROTA TP 315; ROTA TP 350; ROTA TP-LH 350; TH 315; THF 315; TP 315	<b>17 0000 1500</b>	SGT-C 315-1	124	50	56	21	30	M16	45	13,5	2
<b>Verzahnung 3/32"x90° / Serration 3/32"x90°</b>											
HSG 400; HSG 500; HSL 400 <sup>1)</sup> ; ROTA NC 400 <sup>1)</sup> ; ROTA NC 500; ROTA NCD 400; ROTA NCD 500; ROTA NCD 630; ROTA NCF 400 <sup>1)</sup> ; ROTA NCF 500; ROTA NCO 400; ROTA NCO 500; ROTA NCO 630; ROTA NCO 800; ROTA NCR 1000 <sup>4)</sup> ; ROTA TB-LH 470 <sup>3)</sup> ; ROTA TB-LH 630-275; TH 400; TH 500; THF 400; THF 500	<b>17 0000 1520</b> <b>17 0000 1530</b>	SGT-C 400-1 SGT-C 600-1	141 146	60 74	75 74	25,5 25,5	38 38	M20 M20	38 47	19 32	2 1

# Harte Aufsatzbacken

Verzahnung 90°

## Hard stepped top jaws

Serration 90°

ROTA EP 380 <sup>5)</sup> ; ROTA EP 460 <sup>5)</sup> ; ROTA EP-LH 460 <sup>5)</sup> ; ROTA TB 400 <sup>5)</sup> ; ROTA TB 470 <sup>5)</sup> ; ROTA TB 500 <sup>5)</sup> ; ROTA TB 600 <sup>5)</sup> ; ROTA TB 610 <sup>5)</sup> ; ROTA TB-LH 400 <sup>5)</sup> ; ROTA TB-LH 500 <sup>5)</sup> ; ROTA TB-LH 600 <sup>5)</sup> ; ROTA TB-LH 610 <sup>5)</sup> ; TB 400 <sup>5)</sup>	<b>17 0000 1520</b>	SGT-C 400-1	141	60	75	25,5	38	M20	38	19	2
	<b>17 0000 1530</b>	SGT-C 600-1	146	74	74	25,5	38	M20	47	32	1
	<b>17 0000 7480</b>	SGT-C 400-2	160	57	73	25,5	42	M18	43	22	1
ROTA TB-LH 630-265	<b>17 0000 7480</b>	SGT-C 400-2	160	57	73	25,5	42	M18	43	22	1
ROTA NC 630 <sup>6)</sup> ; ROTA NC 800 <sup>6)</sup> ; ROTA NCF 630 <sup>6)</sup>	<b>17 0000 1520</b>	SGT-C 400-1	141	60	75	25,5	38	M20	38	19	2
	<b>17 0000 1530</b>	SGT-C 600-1	146	74	74	25,5	38	M20	47	32	1
	<b>17 0000 7490</b>	SGT-C 600-2	174	75	88	30	50	M24	44,5	30	1
ROTA TB 630; ROTA TB-LH 630-325; TB 630	<b>17 0000 7490</b>	SGT-C 600-2	174	75	88	30	50	M24	44,5	30	1
ROTA NC 1000; ROTA NCO 1000; ROTA TB 800; ROTA TB 1000; ROTA TB-LH 850; ROTA TB-LH 1000; ROTA TB-LH 1200; TB 800; TB 1000	<b>17 0000 7500</b>	SGT-C 800-1	250	75	105	30	60	M24	92	22	2

1) auch mit 1,5mm x 60° Verzahnung erhältlich

2) auch mit Kreuzversatz erhältlich

4) Sechsbankenfutter

5) Bitte überprüfen Sie die Befestigungslöcher

Vor 2008 wurde das Spannfutter mit M18-Schrauben geliefert

6) Bitte überprüfen Sie die Nutbreite.

1) Chuck is also available with serration 1,5mm x 60°

2) Chuck is also available with tongue/groove connection

4) 6-jaw chuck – please order 2 sets per 3 pcs

5) Please check the mounting holes

Before 2008, the chuck was delivered with M18 screws

6) Please check the slot width.

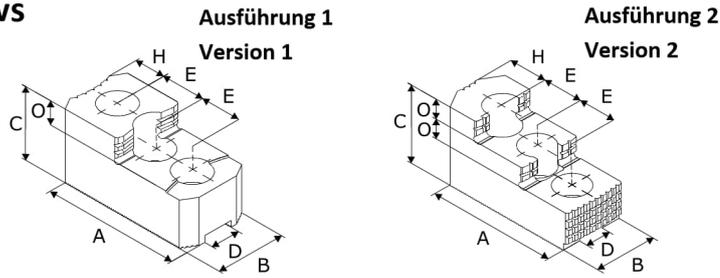
# Harte Aufsatzbacken

## Hard stepped top jaws

Verzahnung 60°

Serration 60°

Stahl 16MnCr5, gehärtet  
Steel 16MnCr5, hardened



Futtertyp / Chuck type	Index / Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	O	Ausführung Version
HSL 165 <sup>9)</sup> ; ROTA NC 165 <sup>9)</sup> ; ROTA NC plus 185 <sup>9)</sup> ; ROTA NC plus 2 185-52 <sup>9)</sup> ; ROTA NCD 165 <sup>9)</sup> ; ROTA NCD 185 <sup>9)</sup> ; ROTA NCF 165 <sup>9)</sup> ; ROTA NCF plus 185 <sup>9)</sup> ; ROTA NCF plus 2 185-52 <sup>9)</sup> ; ROTA NCK 165; ROTA NCK plus 165 <sup>9)</sup>	<b>17 0000 1540</b>	SGT-M 165-1	67	31	36	12	20	M10	14	12	1
HSL 210 <sup>9)</sup> ; ROTA NC 210 <sup>9)</sup> ; ROTA NC plus 215 <sup>9)</sup> ; ROTA NC plus 2 215-66 <sup>9)</sup> ; ROTA NCD 215 <sup>9)</sup> ; ROTA NCF 210 <sup>9)</sup> ; ROTA NCF plus 215 <sup>9)</sup> ; ROTA NCF plus 2 215-66 <sup>9)</sup> ; ROTA NCK 210; ROTA NCK plus 210 <sup>9)</sup>	<b>17 0000 7510</b> <b>17 0000 1550</b>	SGT-M 210-1 SGT-M 210-2	79 87	32 35	38 51	14 14	25 25	M12 M12	16 20,5	12 12	1 2
HSL 250 <sup>9)</sup> ; ROTA NC 250 <sup>9)</sup> ; ROTA NC plus 260 <sup>9)</sup> ; ROTA NC plus 2 260-86 <sup>9)</sup> ; ROTA NCD 250 <sup>9)</sup> ; ROTA NCD 255 <sup>9)</sup> ; ROTA NCF 250 <sup>9)</sup> ; ROTA NCF plus 260 <sup>9)</sup> ; ROTA NCF plus 2 260-86 <sup>9)</sup> ; ROTA NCK 250; ROTA NCK plus 250 <sup>9)</sup>	<b>17 0000 1560</b>	SGT-M 250-1	101	40	54	16	30	M12	23	13	2
HSL 315 <sup>7),9)</sup> ; ROTA NC 315 <sup>9)</sup> ; ROTA NCF 315 <sup>9)</sup>	<b>17 0000 4280</b> <b>17 0000 7520</b>	SGT-M 300-1 SGT-M 300-2	103 106	50 50	52 62	18 18	30 30	M14 M14	22,5 20	17 15	1 2
HSL 315 <sup>7),9)</sup> ; ROTA NC plus 315 <sup>9)</sup> ; ROTA NC plus 2 315-104 <sup>9)</sup> ; ROTA NCD 315 <sup>9)</sup> ; ROTA NCF plus 315 <sup>9)</sup> ; ROTA NCF plus 2 315-104 <sup>9)</sup> ; ROTA NCK 315; ROTA NCK plus 315 <sup>9)</sup>	<b>17 0000 1570</b> <b>17 0000 7530</b>	SGT-M 300-3 SGT-M 300-4	103 128	50 50	52 62	21 21	30 30	M16 M16	22,5 46	17 14	1 2
HSL 400 <sup>9)</sup> ; ROTA NC 400 <sup>9)</sup> ; ROTA NCF 400 <sup>9)</sup>	<b>17 0000 3170</b>	SGT-M 380-1	149	62	86	22	43	M20	30,5	20	2

7) Bitte überprüfen Sie die Anschlussmaße  
9) auch mit 1/16" x 90° Verzahnung erhältlich

7) Please check the connecting dimensions  
9) Chuck is also available with serration 1/16 x 90°

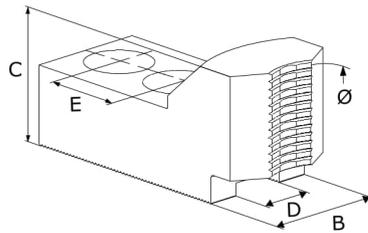
# Harte Spannbacken-Stangenspannung

## Hard jaws for bar clamping

Verzahnung 1/16"x90°

Serration 1/16"x90°

Stahl 16MnCr5, gehärtet  
Steel 16MnCr5, hardened



Futtertyp / Chuck type ab Ø 160mm / from Ø 160mm	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ	B	C	D	E	Schrauben Screws
ROTA NC 165 <sup>1)</sup> ; ROTA NCF 165 <sup>1)</sup> ; TH 165; THF 165	5 – 34	185	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	21 – 49	185	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
ROTA NCD 160	5 – 31	180	<b>17 0000 7540</b>	GTM-C 160-1	30	40	12	15	M8
	14 – 46	180	<b>17 0000 7550</b>	GTM-C 160-2	30	40	12	15	M8
ROTA NCD 165-46 <sup>1)</sup>	5 – 30	179	<b>17 0000 7540</b>	GTM-C 160-1	30	40	12	15	M8
	18 – 45	179	<b>17 0000 7550</b>	GTM-C 160-2	30	40	12	15	M8
ROTA NCK plus 165-45 <sup>1)</sup>	5 – 31	184	<b>17 0001 1780</b>	GTM-C 160-3	30	40	14	16,5	M10
	15 – 45	184	<b>17 0001 1790</b>	GTM-C 160-4	30	40	14	16,5	M10
ROTA NCO 165 <sup>2)</sup>	7 – 36	188	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	24 – 51	188	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
ROTA TP 160-38; TP 160	5 – 29	182	<b>17 0001 1780</b>	GTM-C 160-3	30	40	14	16,5	M10
	15 – 43	182	<b>17 0001 1790</b>	GTM-C 160-4	30	40	14	16,5	M10
<b>ab Ø 185mm / from Ø 185mm</b>									
ROTA NC plus 185-52 <sup>1)</sup> ; ROTA NC plus 2 185-52 <sup>1)</sup> ; ROTA NCF plus 185-52 <sup>1)</sup> ; ROTA NCF plus 2 185-52 <sup>1)</sup>	5 – 44	197	<b>17 0001 1780</b>	GTM-C 160-3	30	40	14	16,5	M10
	17 – 58	197	<b>17 0001 1790</b>	GTM-C 160-4	30	40	14	16,5	M10
ROTA NCD 185-54 <sup>1)</sup>	5 – 48	199	<b>17 0000 7560</b>	GTM-C 165-1	35	40	17	19	M12
	14 – 63	199	<b>17 0000 7570</b>	GTM-C 165-2	35	40	17	19	M12
<b>ab Ø 200mm / from Ø 200mm</b>									
ROTA NC 210 <sup>1)</sup> ; ROTA NCF 210 <sup>1)</sup> ; TH 210; THF 210	5 – 38	230	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 57	230	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
ROTA NC plus 215-66 <sup>1)</sup> ; ROTA NC plus 2 215-66 <sup>1)</sup> ; ROTA NCF plus 215-66 <sup>1)</sup> ; ROTA NCF plus 2 215-66 <sup>1)</sup>	5 – 37	229	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	20 – 56	229	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
ROTA NCD 210 <sup>1)</sup>	5 – 37	229	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 56	229	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
ROTA NCD 215-66	5 – 27	219	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 47	219	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
ROTA NCK plus 210-52 <sup>1)</sup>	5 – 30	222	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 49	222	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
ROTA NCO 210 <sup>2)</sup>	5 – 39	231	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 59	231	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
ROTA TP 200-52; TP 200	5 – 34	226	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	14 – 53	226	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
<b>ab Ø 250mm / from Ø 250mm</b>									
ROTA NC 250 <sup>1)</sup> ; ROTA NCF 250 <sup>1)</sup> ; TH 250; THF 250	5 – 43	274	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 67	274	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
ROTA NC plus 260-86 <sup>1)</sup> ; ROTA NC plus 2 260-86 <sup>1)</sup> ; ROTA NCF plus 260-86 <sup>1)</sup> ; ROTA NCF plus 2 260-86 <sup>1)</sup>	6 – 46	277	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	32 – 69	277	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16

# Harte Spannbacken-Stangenspannung

## Hard jaws for bar clamping

Verzahnung 1/16"x90°  
Serration 1/16"x90°

Futtertyp / Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ	B	C	D	E	Schrauben Screws
ROTA NCD 250-86 <sup>1)</sup>	5 – 34	265	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 59	265	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
ROTA NCD 255-86 <sup>1)</sup>	5 – 38	269	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	18 – 62	269	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
ROTA NCK plus 250-75 <sup>1)</sup>	5 – 73	265	<b>17 0001 1800</b>	GTM-C 200-1	35	46	17	23	M12
	24 – 92	265	<b>17 0001 1810</b>	GTM-C 200-2	35	46	17	23	M12
ROTA NCO 260 <sup>2)</sup>	5 – 55	286	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	20 – 78	286	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
ROTA TP 250-68; TP 250	5 – 49	279	<b>17 0001 1820</b>	GTM-C 250-1	45	50	21	30	M16
	23 – 72	279	<b>17 0001 1830</b>	GTM-C 250-2	45	50	21	30	M16
<b>ab Ø 315mm / from Ø 315mm</b>									
ROTA NC 315 <sup>1)</sup> ; ROTA NCF 315 <sup>1)</sup> ; TH 315; THF 315	5 – 48	337	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 67	337	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
ROTA NC plus 315-104 <sup>1)</sup> ; ROTA NC plus 2 315-104 <sup>1)</sup> ; ROTA NCF plus 315-104 <sup>1)</sup> ; ROTA NCF plus 2 315-104 <sup>1)</sup>	5 – 49	339	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 68	339	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
ROTA NCD 315-115 <sup>1)</sup>	5 – 48	337	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 67	337	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
ROTA NCK plus 315-91 <sup>1)</sup>	5 – 37	326	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 57	326	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
ROTA NCO 315 <sup>2)</sup>	5 – 61	350	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 79	350	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
ROTA TP 315-90	5 – 60	349	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 79	349	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
ROTA TP 315-105	5 – 77	366	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	18 – 95	366	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
ROTA TP 350-115	5 – 89	378	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	22 – 107	378	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16
ROTA TP-LH 350-115	5 – 80	370	<b>17 0001 1840</b>	GTM-C 315-1	45	50	21	30	M16
	22 – 99	370	<b>17 0001 1850</b>	GTM-C 315-2	45	50	21	30	M16

1) auch mit 1,5mm x 60° Verzahnung erhältlich

2) auch mit Kreuzversatz erhältlich

1) Chuck is also available with serration 1,5mm x 60°

2) Chuck is also available with tongue/groove connection

# Harte Spannbacken-Stangenspannung

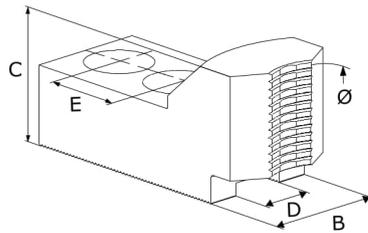
## Hard jaws for bar clamping

Verzahnung 3/32"x90°

Serration 3/32"x90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



### Futtertyp / Chuck type

ab Ø 380mm / from Ø 380mm

Durchmesser  
Clamping range

Durchlass  
Swing diameter

Index / Id.-No

Typ

B

C

D

E

Schrauben  
Screws

Futtertyp / Chuck type ab Ø 380mm / from Ø 380mm	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ	B	C	D	E	Schrauben Screws
ROTA EP 380-127 <sup>5)</sup>	48 – 77	398	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
ROTA EP 460-165 <sup>5)</sup>	107 – 164	486	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
ROTA EP 460-185 <sup>5)</sup>	107 – 174	496	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
ROTA EP-LH 460-165 <sup>5)</sup>	114 – 154	476	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
ROTA EP-LH 460-185 <sup>5)</sup>	118 – 166	488	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
ROTA NC 400-120 <sup>1)</sup> ; ROTA NCF 400-120 <sup>1)</sup> ; TH 400; THF 400	34 – 111	432	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
ROTA NCD 400-165	34 – 111	433	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
ROTA NCO 400	34 – 121	442	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
ROTA TB 400-115 <sup>5)</sup>	34 – 124	446	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
ROTA TB 400-140 <sup>5)</sup>	50 – 144	466	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
ROTA TB 470-185 <sup>5)</sup>	98 – 194	516	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
ROTA TB-LH 400-140 <sup>5)</sup>	81 – 185	507	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
ROTA TB-LH 470-185 <sup>5)</sup>	102 – 188	510	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
<b>ab Ø 500mm / from Ø 500mm</b>									
ROTA NC 500-160; ROTA NCF 500-160; TH 500; THF 500	71 – 208	530	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
ROTA NCD 500-165	34 – 214	536	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
ROTA NCO 500	34 – 229	552	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
ROTA TB 500-160 <sup>5)</sup>	83 – 222	544	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
ROTA TB 500-205 <sup>5)</sup>	150 – 266	589	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
ROTA TB 500-230 <sup>5)</sup>	170 – 286	609	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
ROTA TB-LH 500-205 <sup>5)</sup>	169 – 297	619	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
ROTA TB-LH 500-230 <sup>5)</sup>	197 – 293	616	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
<b>ab Ø 600mm / from Ø 600mm</b>									
ROTA NC 630-180 <sup>6)</sup> ; ROTA NCF 630-180 <sup>6)</sup>	97 – 333	655	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
ROTA NCD 630-165	34 – 339	662	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
ROTA TB 600-275 <sup>5)</sup>	184 – 313	636	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
ROTA TB 610-260 <sup>5)</sup>	196 – 319	641	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
ROTA TB-LH 600-275 <sup>5)</sup>	206 – 319	641	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20
ROTA TB-LH 610-260 <sup>5)</sup>	213 – 320	642	<b>17 0000 7580</b>	GTM-C 400-1	60	55	25,5	35	M20

5) Bitte überprüfen Sie die Befestigungslöcher

Vor 2008 wurde das Spannfutter mit M18-Schrauben geliefert

6) Bitte überprüfen Sie die Nutbreite.

Bei Bedarf bitte abgestufte Nutensteine verwenden

5) Please check the mounting holes

Before 2008, the chuck was delivered with M18 screws

6) Please check the slot width.

If necessary please use stepped T-nuts

# Harte Spannbacken-Stangenspannung

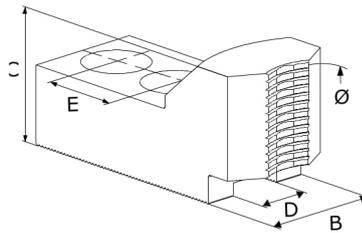
## Hard jaws for bar clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp / Chuck type ab Ø 165mm / from Ø 165mm	Durchmesser Clamping range	Durchlass Swing diameter	Index / Id.-No	Typ	B	C	D	E	Schrauben Screws
ROTA NC 165 <sup>9)</sup> ; ROTA NCF 165 <sup>9)</sup>	5 – 27	182	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 37	182	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
ROTA NC plus 185-52 <sup>9)</sup> ; ROTA NC plus 2 185-52 <sup>9)</sup> ; ROTA NCF plus 185-52 <sup>9)</sup> ; ROTA NCF plus 2 185-52 <sup>9)</sup>	7 – 44	199	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	19 – 54	199	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
ROTA NCD 165-46 <sup>9)</sup>	5 – 22	178	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 33	178	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
ROTA NCD 185-54 <sup>9)</sup>	5 – 47	202	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 56	202	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
ROTA NCK 165	5 – 19	175	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 30	175	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
ROTA NCK plus 165-45 <sup>9)</sup>	5 – 30	186	<b>17 0001 1860</b>	GTM-M 165-1	30	40	12	20	M10
	15 – 41	186	<b>17 0001 1870</b>	GTM-M 165-2	30	40	12	20	M10
<b>ab Ø 210mm / from Ø 210mm</b>									
ROTA NC 210 <sup>9)</sup> ; ROTA NCF 210 <sup>9)</sup>	5 – 33	227	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 – 48	227	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
ROTA NC plus 215-66 <sup>9)</sup> ; ROTA NC plus 2 215-66 <sup>9)</sup> ; ROTA NCF plus 215-66 <sup>9)</sup> ; ROTA NCF plus 2 215-66 <sup>9)</sup>	6 – 40	234	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	22 – 54	234	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
ROTA NCD 215-66 <sup>9)</sup>	5 – 32	226	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 – 47	226	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
ROTA NCK 210	5 – 24	218	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 – 39	218	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
ROTA NCK plus 210-52 <sup>9)</sup>	5 – 33	227	<b>17 0001 1880</b>	GTM-M 210-1	35	46	14	25	M12
	15 – 47	227	<b>17 0001 1890</b>	GTM-M 210-2	35	46	14	25	M12
<b>ab Ø 250mm / from Ø 250mm</b>									
ROTA NC 250 <sup>9)</sup> ; ROTA NCF 250 <sup>9)</sup>	5 – 36	264	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 60	264	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
ROTA NC plus 260-86 <sup>9)</sup> ; ROTA NC plus 2 260-86 <sup>9)</sup> ; ROTA NCF plus 260-86 <sup>9)</sup> ; ROTA NCF plus 2 260-86 <sup>9)</sup>	5 – 50	278	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	24 – 74	278	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
ROTA NCD 255-86 <sup>9)</sup>	5 – 41	270	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 65	270	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
ROTA NCK 250	5 – 31	259	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 55	259	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
ROTA NCK plus 250-75 <sup>9)</sup>	5 – 42	270	<b>17 0001 1900</b>	GTM-M 250-1	40	50	16	30	M12
	18 – 66	270	<b>17 0001 1910</b>	GTM-M 250-2	40	50	16	30	M12
<b>ab Ø 315mm / from Ø 315mm</b>									
ROTA NC 315 <sup>9)</sup> ; ROTA NCF 315 <sup>9)</sup>	5 – 66	330	<b>17 0001 1940</b>	GTM-M 300-1	48	50	18	30	M14
	18 – 85	330	<b>17 0001 1950</b>	GTM-M 300-2	48	50	18	30	M14

**Harte Spannbacken-Stangenspannung**  
**Hard jaws for bar clamping**

**Verzahnung 1,5mm x 60°**  
**Serration 1,5mm x 60°**

**Futtertyp / Chuck type**

Futtertyp / Chuck type	Durchmesser	Durchlass	Index / Id.-No	Typ	B	C	D	E	Schrauben
	Clamping range	Swing diameter							Screws
ROTA NC plus 315-104 <sup>9)</sup> ; ROTA NC plus 2 315-104 <sup>9)</sup> ; ROTA NCF plus 315-104 <sup>9)</sup> ; ROTA NCF plus 2 315-104 <sup>9)</sup>	5 – 66	331	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 84	331	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16
ROTA NCD 315-115 <sup>9)</sup>	5 – 64	329	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 83	329	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16
ROTA NCK 315	5 – 42	307	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 62	307	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16
ROTA NCK plus 315-91 <sup>9)</sup>	5 – 53	318	<b>17 0001 1920</b>	GTM-M 300-3	48	50	21	30	M16
	18 – 72	318	<b>17 0001 1930</b>	GTM-M 300-4	48	50	21	30	M16

9) auch mit 1/16" x 90° Verzahnung erhältlich

9) Chuck is also available with serration 1/16 x 90°

# Krallenbacken Außenspannung

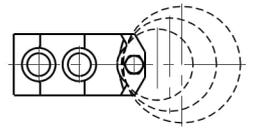
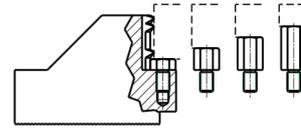
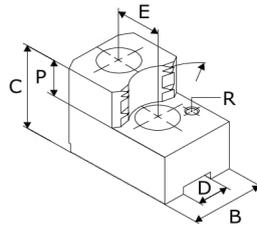
Hard claw jaws for O.D. clamping

Verzahnung 1/16" x 90°

Serration 1/16" x 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
<b>ab Ø 160mm / from Ø 160mm</b>											
ROTA NC 165 <sup>1)</sup> ; ROTA NCF 165 <sup>1)</sup> ; TH 165; THF 165	37 – 66	182	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	56 – 85	185	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	78 – 107	185	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	96 – 126	188	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	118 – 148	208	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
ROTA NCD 160	34 – 68	178	<b>17 0000 7590</b>	GTZ-C 160-1	32	40	12	15	M8	20	M5
	62 – 96	176	<b>17 0000 7600</b>	GTZ-C 160-2	32	40	12	15	M8	20	M5
	81 – 116	176	<b>17 0000 7610</b>	GTZ-C 160-3	32	40	12	15	M8	20	M5
ROTA NCD 165-46 <sup>1)</sup>	39 – 67	177	<b>17 0000 7590</b>	GTZ-C 160-1	32	40	12	15	M8	20	M5
	67 – 96	175	<b>17 0000 7600</b>	GTZ-C 160-2	32	40	12	15	M8	20	M5
	87 – 116	175	<b>17 0000 7610</b>	GTZ-C 160-3	32	40	12	15	M8	20	M5
ROTA NCK plus 165-45 <sup>1)</sup>	29 – 62	185	<b>17 0000 7620</b>	GTZ-C 160-4	30	47	14	20	M10	20	M6
	48 – 85	186	<b>17 0000 7630</b>	GTZ-C 160-5	30	47	14	20	M10	20	M6
	74 – 111	187	<b>17 0000 7640</b>	GTZ-C 160-6	30	47	14	20	M10	20	M6
	100 – 137	196	<b>17 0000 7650</b>	GTZ-C 160-7	35	47	14	20	M10	20	M6
ROTA NCO 165 <sup>2)</sup>	40 – 68	185	<b>17 0000 7660</b>	GTZ-C 165-1	35	50	17	19	M12	20	M5
	59 – 87	187	<b>17 0000 7670</b>	GTZ-C 165-2	35	50	17	19	M12	20	M5
	81 – 110	187	<b>17 0000 7680</b>	GTZ-C 165-3	35	50	17	19	M12	20	M5
	99 – 128	191	<b>17 0000 7690</b>	GTZ-C 165-4	40	50	17	19	M12	20	M5
	121 – 150	210	<b>17 0000 7700</b>	GTZ-C 165-5	40	50	17	19	M12	20	M5
ROTA TP 160-38; TP 160	32 – 60	183	<b>17 0000 7620</b>	GTZ-C 160-4	30	47	14	20	M10	20	M6
	54 – 83	184	<b>17 0000 7630</b>	GTZ-C 160-5	30	47	14	20	M10	20	M6
	80 – 110	186	<b>17 0000 7640</b>	GTZ-C 160-6	30	47	14	20	M10	20	M6
	106 – 136	194	<b>17 0000 7650</b>	GTZ-C 160-7	35	47	14	20	M10	20	M6
<b>ab Ø 185mm / from Ø 185mm</b>											
ROTA NC plus 185-52 <sup>1)</sup> ; ROTA NC plus 2 185-52 <sup>1)</sup> ; ROTA NCF plus 185-52 <sup>1)</sup> ; ROTA NCF plus 2 185-52 <sup>1)</sup>	40 – 75	198	<b>17 0000 7620</b>	GTZ-C 160-4	30	47	14	20	M10	20	M6
	62 – 98	199	<b>17 0000 7630</b>	GTZ-C 160-5	30	47	14	20	M10	20	M6
	89 – 125	201	<b>17 0000 7640</b>	GTZ-C 160-6	30	47	14	20	M10	20	M6
	115 – 151	209	<b>17 0000 7650</b>	GTZ-C 160-7	35	47	14	20	M10	20	M6
ROTA NCD 185-54 <sup>1)</sup>	29 – 47	199	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	38 – 74	199	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	56 – 104	200	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	82 – 131	202	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	111 – 161	222	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
<b>ab Ø 200mm / from Ø 200mm</b>											
ROTA NC 210 <sup>1)</sup> ; ROTA NCF 210 <sup>1)</sup> ; TH 210; THF 210	29 – 79	233	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	55 – 107	233	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	84 – 137	233	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	111 – 164	235	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	141 – 194	255	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6

# Krallenbacken Außenspannung

Verzahnung 1/16" x 90°

Hard claw jaws for O.D. clamping

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
ROTA NC plus 215-66 <sup>1)</sup> ; ROTA NC plus 2 215-66 <sup>1)</sup> ; ROTA NCF plus 215-66 <sup>1)</sup> ; ROTA NCF plus 2 215-66 <sup>1)</sup>	40 – 78	232	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	67 – 106	232	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	97 – 136	232	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	124 – 163	234	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	154 – 193	254	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
ROTA NCD 210 <sup>1)</sup>	29 – 78	232	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	44 – 106	232	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	73 – 136	232	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	99 – 163	234	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	129 – 193	254	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
ROTA NCD 215-66	29 – 69	222	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	43 – 97	222	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	71 – 126	223	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	98 – 154	225	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	128 – 184	245	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
ROTA NCK plus 210-52 <sup>1)</sup>	29 – 72	225	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	48 – 99	225	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	76 – 129	226	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	103 – 156	228	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	133 – 186	247	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
ROTA NCO 210 <sup>2)</sup>	29 – 81	234	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	54 – 109	234	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	83 – 138	235	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	110 – 166	237	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	140 – 196	257	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
ROTA TP 200-52; TP 200	33 – 76	229	<b>17 0000 8220</b>	GTZ-C 200-1	35	50	17	22	M12	25	M6
	60 – 103	229	<b>17 0000 8230</b>	GTZ-C 200-2	35	50	17	22	M12	25	M6
	89 – 133	230	<b>17 0000 8240</b>	GTZ-C 200-3	40	50	17	22	M12	25	M6
	116 – 160	231	<b>17 0000 8250</b>	GTZ-C 200-4	40	50	17	22	M12	25	M6
	146 – 190	251	<b>17 0000 8260</b>	GTZ-C 200-5	40	50	17	22	M12	25	M6
<b>ab Ø 250mm / from Ø 250mm</b>											
ROTA NC 250 <sup>1)</sup> ; ROTA NCF 250 <sup>1)</sup> ; TH 250; THF 250	45 – 102	272	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	83 – 142	272	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	133 – 191	276	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	179 – 238	310	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
ROTA NC plus 260-86 <sup>1)</sup> ; ROTA NC plus 2 260-86 <sup>1)</sup> ; ROTA NCF plus 260-86 <sup>1)</sup> ; ROTA NCF plus 2 260-86 <sup>1)</sup>	62 – 105	275	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	101 – 145	275	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	151 – 194	279	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	198 – 241	313	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
ROTA NCD 250-86 <sup>1)</sup>	39 – 94	263	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	78 – 134	263	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	127 – 183	267	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	174 – 230	302	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
ROTA NCD 255-86 <sup>1)</sup>	39 – 98	267	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	78 – 137	267	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	127 – 187	271	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	174 – 234	306	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8

# Krallenbacken Außenspannung

Verzahnung 1/16" x 90°

Hard claw jaws for O.D. clamping

Serration 1/16" x 90°

Futtertyp/chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
ROTA NCK plus 250-75 <sup>1)</sup>	40 – 110	268	<b>17 0000 7710</b>	GTZ-C 250-5	35	55	17	22	M12	25	M6
	70 – 140	268	<b>17 0000 7720</b>	GTZ-C 250-6	35	55	17	22	M12	25	M6
	128 – 199	270	<b>17 0000 7730</b>	GTZ-C 250-7	40	55	17	22	M12	25	M6
	162 – 235	299	<b>17 0000 7740</b>	GTZ-C 250-8	40	55	17	22	M12	25	M6
ROTA NCO 260 <sup>2)</sup>	51 – 114	284	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	91 – 154	284	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	140 – 203	288	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	187 – 251	323	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
ROTA NCR 250 <sup>4)</sup>	71 – 137	260	<b>17 0000 7620</b>	GTZ-C 160-4	30	47	14	20	M10	20	M6
	94 – 160	261	<b>17 0000 7630</b>	GTZ-C 160-5	30	47	14	20	M10	20	M6
	121 – 186	263	<b>17 0000 7640</b>	GTZ-C 160-6	30	47	14	20	M10	20	M6
	147 – 212	271	<b>17 0000 7650</b>	GTZ-C 160-7	35	47	14	20	M10	20	M6
ROTA TP 250-68; TP 250	53 – 108	277	<b>17 0000 8270</b>	GTZ-C 250-1	50	58	21	28	M16	25	M8
	93 – 147	277	<b>17 0000 8280</b>	GTZ-C 250-2	50	58	21	28	M16	25	M8
	142 – 197	281	<b>17 0000 8290</b>	GTZ-C 250-3	50	58	21	28	M16	25	M8
	189 – 244	316	<b>17 0000 8300</b>	GTZ-C 250-4	50	58	21	28	M16	25	M8
<b>ab Ø 315mm / from Ø 315mm</b>											
ROTA NC 315 <sup>1)</sup> ; ROTA NCF 315 <sup>1)</sup> ; TH 315; THF 315	48 – 134	336	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	106 – 192	337	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	171 – 258	337	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	235 – 322	397	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
ROTA NC plus 315-104 <sup>1)</sup> ; ROTA NC plus 2 315-104 <sup>1)</sup> ; ROTA NCF plus 315-104 <sup>1)</sup> ; ROTA NCF plus 2 315-104 <sup>1)</sup>	60 – 136	338	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	118 – 193	339	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	182 – 259	339	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	247 – 323	398	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
ROTA NCD 315-115 <sup>1)</sup>	46 – 134	336	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	104 – 192	337	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	169 – 258	337	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	233 – 322	397	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
ROTA NCK plus 315-9 <sup>1)</sup>	49 – 124	325	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	107 – 181	326	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	172 – 247	326	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	236 – 311	386	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
ROTA NCO 315 <sup>2)</sup>	44 – 147	349	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	93 – 205	350	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	157 – 271	350	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	221 – 334	409	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
ROTA NCR 315 <sup>4)</sup>	72 – 207	330	<b>17 0000 7620</b>	GTZ-C 160-4	30	47	14	20	M10	20	M6
	95 – 229	331	<b>17 0000 7630</b>	GTZ-C 160-5	30	47	14	20	M10	20	M6
	121 – 256	333	<b>17 0000 7640</b>	GTZ-C 160-6	30	47	14	20	M10	20	M6
	147 – 282	341	<b>17 0000 7650</b>	GTZ-C 160-7	35	47	14	20	M10	20	M6
ROTA TP 315-90	51 – 147	348	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	109 – 204	349	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	174 – 270	349	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	238 – 334	409	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8

# Krallenbacken Außenspannung

Hard claw jaws for O.D. clamping

Verzahnung 1/16" x 90°

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
ROTA TP 315-105	74 – 164	365	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	132 – 221	366	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	198 – 287	366	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	262 – 351	426	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
ROTA TP 350-115	84 – 175	377	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	142 – 233	378	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	208 – 299	378	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	272 – 363	438	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
ROTA TP-LH 350-115	84 – 167	369	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	142 – 224	370	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	207 – 290	370	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	271 – 354	429	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
<b>ab Ø 400mm / from Ø 400mm</b>											
ROTA NCR 400 <sup>4)</sup>	87 – 228	430	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	145 – 285	431	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	210 – 351	431	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	274 – 415	490	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
<b>ab Ø 500mm / from Ø 500mm</b>											
ROTA EP 500-260	250 – 288	490	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	307 – 345	491	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	374 – 411	491	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	438 – 475	550	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
ROTA NCR 500 <sup>4)</sup>	87 – 328	530	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	145 – 384	531	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	210 – 450	531	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	274 – 514	590	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
<b>ab Ø 630mm / from Ø 630mm</b>											
ROTA NCR 630 <sup>4)</sup>	160 – 460	662	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	217 – 516	663	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	284 – 582	663	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	348 – 646	722	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8
<b>ab Ø 800mm / from Ø 800mm</b>											
ROTA NCR 800 <sup>4)</sup>	160 – 628	830	<b>17 0000 8310</b>	GTZ-C 315-1	50	58	21	28	M16	25	M8
	217 – 684	831	<b>17 0000 8320</b>	GTZ-C 315-2	50	58	21	28	M16	25	M8
	284 – 750	831	<b>17 0000 8330</b>	GTZ-C 315-3	50	58	21	28	M16	25	M8
	348 – 814	890	<b>17 0000 8340</b>	GTZ-C 315-4	55	58	21	28	M16	25	M8

1) auch mit 1,5mm x 60° Verzahnung erhältlich

2) auch mit Kreuzversatz erhältlich

4) Sechsenbackenfutter

1) Chuck is also available with serration 1,5mm x 60°

2) Chuck is also available with tongue/groove connection

4) 6-jaw chuck – please order 2 sets per 3 pcs

# Krallenbacken Außenspannung

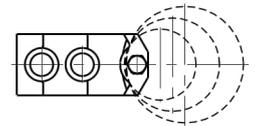
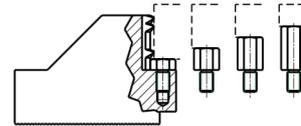
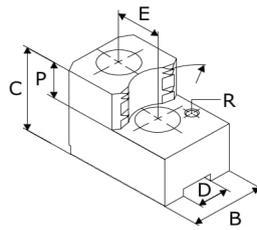
Hard claw jaws for O.D. clamping

Verzahnung 3/32" x 90°

Serration 3/32" x 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 380mm/from Ø 380mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
ROTA EP 380-127 <sup>5)</sup>	80 – 110	398	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	102 – 133	398	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	177 – 209	398	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	261 – 293	414	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	332 – 364	457	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	411 – 443	542	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
ROTA EP 460-165 <sup>5)</sup>	140 – 197	486	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	239 – 297	486	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	324 – 381	503	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	395 – 452	546	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
ROTA EP 460-185 <sup>5)</sup>	140 – 207	496	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	239 – 307	496	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	324 – 391	513	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	395 – 462	556	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
ROTA EP-LH 460-165 <sup>5)</sup>	147 – 187	476	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	246 – 287	476	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	331 – 371	493	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	402 – 442	536	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
ROTA EP-LH 460-185 <sup>5)</sup>	150 – 199	488	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	250 – 299	488	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	335 – 383	505	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	405 – 454	548	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
ROTA NC 400-120 <sup>1)</sup> ; ROTA NCF 400-120 <sup>1)</sup> ; TH 400; THF 400	72 – 168	432	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	146 – 243	432	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	229 – 327	449	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	300 – 398	492	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
ROTA NCD 400-165	61 – 168	433	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	135 – 243	433	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	218 – 328	450	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	288 – 398	492	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
ROTA NCO 400	54 – 178	442	<b>17 0000 7760</b>	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	118 – 253	442	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	200 – 337	459	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	271 – 408	502	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
ROTA TB 400-115 <sup>5)</sup>	63 – 157	446	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	159 – 256	446	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	242 – 340	463	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	313 – 411	505	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8

# Krallenbacken Außenspannung

## Hard claw jaws for O.D. clamping

Verzahnung 3/32" x 90°

Serration 3/32" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
ROTA TB 400-140 <sup>5)</sup>	82 – 177	466	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	180 – 276	466	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	264 – 361	483	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	334 – 432	526	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
ROTA TB 470-185 <sup>5)</sup>	131 – 226	516	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	230 – 326	516	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	315 – 410	533	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	386 – 481	576	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
ROTA TB-LH 400-140 <sup>5)</sup>	114 – 217	507	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	213 – 317	507	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	297 – 402	524	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	368 – 473	567	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
ROTA TB-LH 470-185 <sup>5)</sup>	135 – 220	510	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	234 – 320	510	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	319 – 404	527	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	390 – 475	570	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
<b>ab Ø 500mm/from Ø 500mm</b>											
ROTA NC 500-160; ROTA NCF 500-160; TH 500; THF 500	104 – 240	530	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	203 – 340	530	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	287 – 424	547	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	357 – 495	590	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	437 – 575	675	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
ROTA NCD 500-165	63 – 246	536	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	135 – 346	536	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	218 – 431	553	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	288 – 502	596	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	368 – 582	681	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
ROTA NCO 500	63 – 262	552	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	118 – 362	552	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	200 – 446	569	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	271 – 517	612	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	350 – 597	697	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
ROTA TB 500-160 <sup>5)</sup>	115 – 254	544	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	214 – 354	544	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	299 – 438	561	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	369 – 509	604	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	449 – 589	689	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
ROTA TB 500-205 <sup>5)</sup>	183 – 299	589	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	283 – 399	589	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	367 – 483	606	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	438 – 554	649	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	518 – 634	734	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
ROTA TB 500-230 <sup>5)</sup>	202 – 319	609	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	302 – 419	609	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	387 – 503	626	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	458 – 574	669	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	538 – 654	754	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8

# Krallenbacken Außenspannung

Verzahnung 3/32" x 90°

Hard claw jaws for O.D. clamping

Serration 3/32" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
ROTA TB-LH 500-205 <sup>5)</sup>	202 – 329	619	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	302 – 429	619	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	387 – 513	636	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	457 – 585	679	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	537 – 664	764	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
ROTA TB-LH 500-230 <sup>5)</sup>	229 – 326	616	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	329 – 426	616	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	415 – 510	633	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	485 – 581	676	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	565 – 661	761	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
<b>ab Ø 600mm/from Ø 600mm</b>											
ROTA NC 630-180 <sup>6)</sup> ; ROTA NCF 630-180 <sup>6)</sup>	130 – 365	655	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	229 – 465	655	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	314 – 549	672	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	384 – 620	715	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	464 – 700	800	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
ROTA NCD 630-165	63 – 372	662	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	135 – 472	662	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	218 – 556	679	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	288 – 627	722	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	368 – 707	807	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
ROTA NCO 630	63 – 378	669	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	114 – 479	669	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	196 – 563	686	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	266 – 634	729	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	346 – 714	814	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
ROTA TB 600-275 <sup>5)</sup>	216 – 346	636	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	316 – 446	636	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	402 – 530	653	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	472 – 601	696	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	552 – 681	781	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
ROTA TB 610-260 <sup>5)</sup>	229 – 351	641	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	329 – 451	641	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	414 – 535	658	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	485 – 606	701	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	564 – 686	786	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
ROTA TB-LH 600-275 <sup>5)</sup>	238 – 351	641	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	338 – 451	641	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	424 – 535	658	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	494 – 606	701	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	574 – 686	786	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
ROTA TB-LH 610-260 <sup>5)</sup>	246 – 352	642	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	346 – 452	642	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	431 – 536	659	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	502 – 607	702	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	582 – 687	787	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8

# Krallenbacken Außenspannung

Hard claw jaws for O.D. clamping

Verzahnung 3/32" x 90°

Serration 3/32" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
ROTA TB-LH 630-275	254 – 356	647	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	354 – 457	647	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	439 – 541	664	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	510 – 612	707	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	590 – 692	792	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
<b>ab Ø 800mm/from Ø 800mm</b>											
ROTA NC 800-230 <sup>6)</sup>	172 – 533	824	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	271 – 633	824	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	356 – 717	841	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	427 – 789	883	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	507 – 869	969	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
ROTA NCO 800	119 – 553	843	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	218 – 653	843	<b>17 0000 7770</b>	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	303 – 737	860	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	374 – 808	903	<b>17 0000 7790</b>	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	453 – 888	988	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8
<b>ab Ø 1000mm/from Ø 1000mm</b>											
ROTA NCR 1000 <sup>4)</sup>	182 – 771	1062	<b>17 0000 7750</b>	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	366 – 955	1079	<b>17 0000 7780</b>	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	517 – 1107	1207	<b>17 0000 7800</b>	GTZ-C 400-6	60	78	25,5	35	M20	33	M8

4) Sechsbackenfutter

5) Bitte überprüfen Sie die Befestigungslöcher

Vor 2008 wurde das Spannfutter mit M18-Schrauben geliefert

6) Bitte überprüfen Sie die Nutbreite.

Bei Bedarf bitte abgestufte Nutensteine verwenden

4) 6-jaw chuck – please order 2 sets per 3 pcs

5) Please check the mounting holes

Before 2008, the chuck was delivered with M18 screws

6) Please check the slot width.

If necessary please use stepped T-nuts

# Krallenbacken Außenspannung

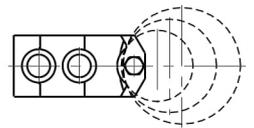
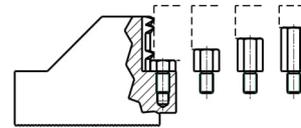
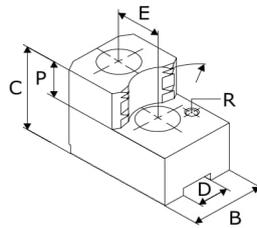
Hard claw jaws for O.D. clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 165mm/from Ø165mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
ROTA NC 165 <sup>9)</sup> ; ROTA NCF 165 <sup>9)</sup>	30 – 60	184	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	45 – 76	184	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	61 – 92	185	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	75 – 106	185	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	91 – 122	184	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	116 – 148	209	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
ROTA NCD 165-46 <sup>9)</sup>	26 – 55	180	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	32 – 71	180	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	48 – 87	180	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	62 – 101	180	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	78 – 117	179	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	103 – 143	205	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
ROTA NCK 165	26 – 52	177	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	41 – 68	177	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	57 – 84	177	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	71 – 98	177	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	87 – 114	176	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	113 – 140	202	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
ROTA NCK plus 165-45 <sup>9)</sup>	26 – 63	188	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	41 – 79	188	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	57 – 95	189	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	71 – 109	189	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	87 – 125	187	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	113 – 151	213	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
<b>ab Ø 185mm/from Ø185mm</b>											
ROTA NC plus 185-52 <sup>9)</sup> ; ROTA NC plus 2 185-52 <sup>9)</sup> ; ROTA NCF plus 185-52 <sup>9)</sup> ; ROTA NCF plus 2 185-52 <sup>9)</sup>	41 – 77	201	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	57 – 92	201	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	73 – 109	202	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	87 – 122	202	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	103 – 138	201	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	129 – 165	227	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6
ROTA NCD 185-54 <sup>9)</sup>	26 – 79	204	<b>17 0001 1960</b>	GTZ-M 165-1	30	47	12	20	M10	20	M6
	37 – 95	204	<b>17 0001 1970</b>	GTZ-M 165-2	30	47	12	20	M10	20	M6
	53 – 111	205	<b>17 0001 1980</b>	GTZ-M 165-3	35	47	12	20	M10	20	M6
	67 – 125	205	<b>17 0001 1990</b>	GTZ-M 165-4	35	47	12	20	M10	20	M6
	83 – 141	204	<b>17 0001 2000</b>	GTZ-M 165-5	40	47	12	20	M10	20	M6
	109 – 167	229	<b>17 0001 2010</b>	GTZ-M 165-6	40	47	12	20	M10	20	M6

# Krallenbacken Außenspannung

## Hard claw jaws for O.D. clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Futtertyp/Chuck type ab Ø 210mm/from Ø210mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
ROTA NC 210 <sup>9)</sup> ; ROTA NCF 210 <sup>9)</sup>	35 – 73	223	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	62 – 101	223	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	93 – 131	224	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	123 – 162	226	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	144 – 184	243	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	181 – 221	281	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
ROTA NC plus 215-66 <sup>9)</sup> ; ROTA NC plus 2 215-66 <sup>9)</sup> ; ROTA NCF plus 215-66 <sup>9)</sup> ; ROTA NCF plus 2 215-66 <sup>9)</sup>	47 – 80	230	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	74 – 108	230	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	105 – 138	230	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	135 – 169	232	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	157 – 191	250	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	193 – 228	288	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
ROTA NCD 215-66 <sup>9)</sup>	30 – 72	222	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	50 – 100	222	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	80 – 130	223	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	110 – 161	225	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	131 – 183	242	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	168 – 220	280	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
ROTA NCK 210	37 – 65	214	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	64 – 92	214	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	95 – 123	215	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	125 – 153	217	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	146 – 175	234	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	183 – 212	272	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
ROTA NCK plus 210-52 <sup>9)</sup>	30 – 73	223	<b>17 0001 2020</b>	GTZ-M 210-1	35	53	14	25	M12	25	M6
	54 – 101	223	<b>17 0001 2030</b>	GTZ-M 210-2	35	53	14	25	M12	25	M6
	84 – 131	223	<b>17 0001 2040</b>	GTZ-M 210-3	40	53	14	25	M12	25	M6
	114 – 162	225	<b>17 0001 2050</b>	GTZ-M 210-4	40	53	14	25	M12	25	M6
	136 – 184	243	<b>17 0001 2060</b>	GTZ-M 210-5	40	53	14	25	M12	25	M6
	172 – 221	281	<b>17 0001 2070</b>	GTZ-M 210-6	40	53	14	25	M12	25	M6
<b>ab Ø 250mm/from Ø250mm</b>											
ROTA NC 250 <sup>9)</sup> ; ROTA NCF 250 <sup>9)</sup>	40 – 88	266	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	81 – 130	266	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	125 – 174	270	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	170 – 220	285	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	205 – 255	317	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
ROTA NC plus 260-86 <sup>9)</sup> ; ROTA NC plus 2 260-86 <sup>9)</sup> ; ROTA NCF plus 260-86 <sup>9)</sup> ; ROTA NCF plus 2 260-86 <sup>9)</sup>	51 – 102	280	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	92 – 144	280	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	136 – 188	284	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	181 – 234	299	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	216 – 269	331	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
ROTA NCD 255-86 <sup>9)</sup>	36 – 93	272	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	72 – 135	272	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	115 – 180	276	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	160 – 225	290	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	195 – 260	322	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6

# Krallenbacken Außenspannung

Verzahnung 1,5mm x 60°

Hard claw jaws for O.D. clamping

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
ROTA NCK 250	40 – 83	261	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	81 – 125	261	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	125 – 169	265	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	170 – 215	280	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	205 – 250	312	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
ROTA NCK plus 250-75 <sup>9)</sup>	37 – 94	272	<b>17 0001 2080</b>	GTZ-M 250-1	40	58	16	30	M12	25	M6
	78 – 136	272	<b>17 0001 2090</b>	GTZ-M 250-2	40	58	16	30	M12	25	M6
	121 – 180	276	<b>17 0001 2100</b>	GTZ-M 250-3	40	58	16	30	M12	25	M6
	166 – 225	291	<b>17 0001 2110</b>	GTZ-M 250-4	40	58	16	30	M12	25	M6
	201 – 261	323	<b>17 0001 2120</b>	GTZ-M 250-5	40	58	16	30	M12	25	M6
<b>ab Ø 315mm/from Ø315mm</b>											
ROTA NC 315 <sup>9)</sup> ; ROTA NCF 315 <sup>9)</sup>	51 – 134	338	<b>17 0001 2170</b>	GTZ-M 300-1	50	65	18	30	M14	25	M8
	111 – 193	338	<b>17 0001 2180</b>	GTZ-M 300-2	50	65	18	30	M14	25	M8
	177 – 260	352	<b>17 0001 2190</b>	GTZ-M 300-3	50	65	18	30	M14	25	M8
	241 – 325	396	<b>17 0001 2200</b>	GTZ-M 300-4	50	65	18	30	M14	25	M8
ROTA NC plus 315-104 <sup>9)</sup> ; ROTA NC plus 2 315-104 <sup>9)</sup> ; ROTA NCF plus 315-104 <sup>9)</sup> ; ROTA NCF plus 2 315-104 <sup>9)</sup>	59 – 134	339	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	119 – 194	339	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	185 – 261	353	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	249 – 325	397	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
ROTA NCD 315-115 <sup>9)</sup>	48 – 133	337	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	108 – 192	337	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	174 – 259	351	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	238 – 324	395	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
ROTA NCK 315	48 – 111	315	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	108 – 171	315	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	173 – 238	329	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	237 – 302	373	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
ROTA NCK plus 315-91 <sup>9)</sup>	44 – 122	326	<b>17 0001 2130</b>	GTZ-M 300-5	50	65	21	30	M16	25	M8
	104 – 181	326	<b>17 0001 2140</b>	GTZ-M 300-6	50	65	21	30	M16	25	M8
	170 – 248	340	<b>17 0001 2150</b>	GTZ-M 300-8	50	65	21	30	M16	25	M8
	234 – 312	384	<b>17 0001 2160</b>	GTZ-M 300-9	50	65	21	30	M16	25	M8
<b>ab Ø 400mm/from Ø400mm</b>											
ROTA NC 400-120 <sup>11)</sup> ; ROTA NCF 400-120 <sup>11)</sup>	55 – 140	424	<b>17 0000 7870</b>	GTZ-M 380-1	60	85	22	43	M20	33	M8
	112 – 197	430	<b>17 0000 7880</b>	GTZ-M 380-2	60	85	22	43	M20	33	M8
	172 – 257	430	<b>17 0000 7890</b>	GTZ-M 380-3	60	85	22	43	M20	33	M8
	232 – 319	450	<b>17 0000 7900</b>	GTZ-M 380-4	60	85	22	43	M20	33	M8
	292 – 379	467	<b>17 0000 7910</b>	GTZ-M 380-5	60	85	22	43	M20	33	M8
	352 – 439	519	<b>17 0000 7920</b>	GTZ-M 380-6	60	85	22	43	M20	33	M8

9) auch mit 1/16" x 90° Verzahnung erhältlich

9) Chuck is also available with serration 1/16 x 90°

11) auch mit 3/32" x 90° Verzahnung erhältlich

11) Chuck is also available with serration 3/32 x 90°

# Krallenbacken Innenspannung

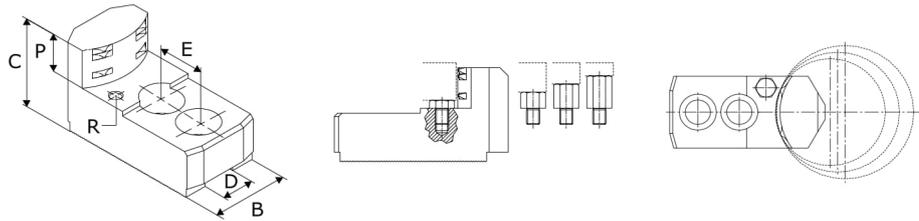
## Hard claw jaws for I.D. clamping

Verzahnung 1/16" x 90°

Serration 1/16" x 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 160mm/from Ø160mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
ROTA NC 165 <sup>1)</sup> ; ROTA NCF 165 <sup>1)</sup> ; TH 165; THF 165	55 – 83	181	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	68 – 96	182	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	88 – 116	183	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	107 – 136	186	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
ROTA NCD 160	48 – 77	178	<b>17 0000 7960</b>	GTW-C 160-1	30	40	12	15	M8	15	M5
	72 – 107	178	<b>17 0000 7970</b>	GTW-C 160-2	30	40	12	15	M8	15	M5
	102 – 137	183	<b>17 0000 7980</b>	GTW-C 160-3	30	40	12	15	M8	15	M5
ROTA NCD 165-46 <sup>1)</sup>	48 – 76	177	<b>17 0000 7960</b>	GTW-C 160-1	30	40	12	15	M8	15	M5
	78 – 106	177	<b>17 0000 7970</b>	GTW-C 160-2	30	40	12	15	M8	15	M5
	107 – 136	183	<b>17 0000 7980</b>	GTW-C 160-3	30	40	12	15	M8	15	M5
ROTA NCK plus 165-45 <sup>1)</sup>	47 – 75	186	<b>17 0000 8020</b>	GTW-C 160-4	35	47	14	20	M10	20	M6
	61 – 92	186	<b>17 0000 8030</b>	GTW-C 160-5	40	47	14	20	M10	20	M6
	80 – 115	187	<b>17 0000 8040</b>	GTW-C 160-6	40	47	14	20	M10	20	M6
	97 – 134	189	<b>17 0000 8050</b>	GTW-C 160-7	40	47	14	20	M10	20	M6
ROTA NCO 165 <sup>2)</sup>	58 – 86	184	<b>17 0000 8060</b>	GTW-C 165-1	35	50	17	19	M12	20	M6
	71 – 98	185	<b>17 0000 8070</b>	GTW-C 165-2	40	50	17	19	M12	20	M6
	91 – 118	186	<b>17 0000 8080</b>	GTW-C 165-3	40	50	17	19	M12	20	M6
	110 – 139	189	<b>17 0000 8090</b>	GTW-C 165-4	40	50	17	19	M12	20	M6
ROTA TP 160-38; TP 160	47 – 73	184	<b>17 0000 8020</b>	GTW-C 160-4	35	47	14	20	M10	20	M6
	62 – 91	184	<b>17 0000 8030</b>	GTW-C 160-5	40	47	14	20	M10	20	M6
	84 – 113	186	<b>17 0000 8040</b>	GTW-C 160-6	40	47	14	20	M10	20	M6
	103 – 132	188	<b>17 0000 8050</b>	GTW-C 160-7	40	47	14	20	M10	20	M6
<b>ab Ø 185mm/from Ø185mm</b>											
ROTA NC plus 185-52 <sup>1)</sup> ; ROTA NC plus 2 185-52 <sup>1)</sup> ; ROTA NCF plus 185-52 <sup>1)</sup> ; ROTA NCF plus 2 185-52 <sup>1)</sup>	53 – 88	199	<b>17 0000 8020</b>	GTW-C 160-4	35	47	14	20	M10	20	M6
	70 – 106	199	<b>17 0000 8030</b>	GTW-C 160-5	40	47	14	20	M10	20	M6
	93 – 128	201	<b>17 0000 8040</b>	GTW-C 160-6	40	47	14	20	M10	20	M6
	112 – 147	203	<b>17 0000 8050</b>	GTW-C 160-7	40	47	14	20	M10	20	M6
ROTA NCD 185-54 <sup>1)</sup>	58 – 82	197	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	76 – 110	198	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	93 – 142	198	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
<b>ab Ø 200mm/from Ø200mm</b>											
ROTA NC 210 <sup>1)</sup> ; ROTA NCF 210 <sup>1)</sup> ; TH 210; THF 210	62 – 115	231	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	91 – 143	231	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	122 – 175	231	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
ROTA NC plus 215-66 <sup>1)</sup> ; ROTA NC plus 2 215-66 <sup>1)</sup> ; ROTA NCF plus 215-66 <sup>1)</sup> ; ROTA NCF plus 2 215-66 <sup>1)</sup>	75 – 114	230	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	103 – 142	230	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	135 – 174	230	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
ROTA NCD 210 <sup>1)</sup>	58 – 114	230	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	79 – 142	230	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	111 – 174	230	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6

# Krallenbacken Innenspannung

Verzahnung 1/16" x 90°

Hard claw jaws for I.D. clamping

Serration 1/16" x 90°

Futtertyp/chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
ROTA NCD 215-66	58 – 105	220	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	78 – 133	221	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	109 – 165	221	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
ROTA NCK plus 210-52 <sup>1)</sup>	58 – 107	223	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	83 – 135	224	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	114 – 167	224	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
ROTA NCO 210 <sup>2)</sup>	61 – 117	232	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	90 – 145	233	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	121 – 177	233	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
ROTA TP 200-52; TP 200	68 – 111	227	<b>17 0000 8100</b>	GTW-C 200-1	35	50	17	22	M12	20	M6
	96 – 139	227	<b>17 0000 8110</b>	GTW-C 200-2	40	50	17	22	M12	20	M6
	128 – 171	227	<b>17 0000 8120</b>	GTW-C 200-3	40	50	17	22	M12	20	M6
<b>ab Ø 250mm/from Ø250mm</b>											
ROTA NC 250 <sup>1)</sup> ; ROTA NCF 250 <sup>1)</sup> ; TH 250; THF 250	76 – 130	278	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	114 – 172	278	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	158 – 217	272	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
ROTA NC plus 260-86 <sup>1)</sup> ; ROTA NC plus 2 260-86 <sup>1)</sup> ; ROTA NCF plus 260-86 <sup>1)</sup> ; ROTA NCF plus 2 260-86 <sup>1)</sup>	91 – 133	281	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	131 – 175	281	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	176 – 220	275	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
ROTA NCD 250-86 <sup>1)</sup>	76 – 122	269	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	108 – 163	269	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	153 – 208	263	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
ROTA NCD 255-86 <sup>1)</sup>	76 – 126	273	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	108 – 167	273	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	153 – 212	267	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
ROTA NCK plus 250-75 <sup>1)</sup>	73 – 144	278	<b>17 0000 8160</b>	GTW-C 250-4	35	55	17	22	M12	25	M6
	97 – 168	267	<b>17 0000 8170</b>	GTW-C 250-5	40	55	17	22	M12	25	M6
	160 – 232	275	<b>17 0000 8180</b>	GTW-C 250-6	40	55	17	22	M12	25	M6
ROTA NCO 260 <sup>2)</sup>	80 – 142	290	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	121 – 183	290	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	165 – 229	284	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
ROTA NCR 250 <sup>4)</sup>	91 – 150	261	<b>17 0000 8020</b>	GTW-C 160-4	35	47	14	20	M10	20	M6
	109 – 167	261	<b>17 0000 8030</b>	GTW-C 160-5	40	47	14	20	M10	20	M6
	125 – 189	263	<b>17 0000 8040</b>	GTW-C 160-6	40	47	14	20	M10	20	M6
	144 – 209	265	<b>17 0000 8050</b>	GTW-C 160-7	40	47	14	20	M10	20	M6
ROTA TP 250-68; TP 250	82 – 136	283	<b>17 0000 8130</b>	GTW-C 250-1	50	58	21	28	M16	25	M8
	123 – 177	283	<b>17 0000 8140</b>	GTW-C 250-2	50	58	21	28	M16	25	M8
	168 – 223	277	<b>17 0000 8150</b>	GTW-C 250-3	50	58	21	28	M16	25	M8
<b>ab Ø 315mm/from Ø315mm</b>											
ROTA NC 315 <sup>1)</sup> ; ROTA NCF 315 <sup>1)</sup> ; TH 315; THF 315	78 – 156	335	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 210	335	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	197 – 284	335	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
ROTA NC plus 315-104 <sup>1)</sup> ; ROTA NC plus 2 315-104 <sup>1)</sup> ; ROTA NCF plus 315-104 <sup>1)</sup> ; ROTA NCF plus 2 315-104 <sup>1)</sup>	83 – 157	337	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	135 – 211	337	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	209 – 285	337	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
ROTA NCD 315-115 <sup>1)</sup>	78 – 156	335	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 210	335	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	196 – 284	335	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8

# Krallenbacken Innenspannung

## Hard claw jaws for I.D. clamping

Verzahnung 1/16" x 90°

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
ROTA NCK plus 315-91 <sup>1)</sup>	78 – 145	324	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 199	324	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	198 – 273	324	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
ROTA NCO 315 <sup>2)</sup>	78 – 168	348	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	124 – 222	348	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	184 – 297	348	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
ROTA NCR 315 <sup>4)</sup>	91 – 220	331	<b>17 0000 8020</b>	GTW-C 160-4	35	47	14	20	M10	20	M6
	109 – 236	330	<b>17 0000 8030</b>	GTW-C 160-5	40	47	14	20	M10	20	M6
	125 – 259	333	<b>17 0000 8040</b>	GTW-C 160-6	40	47	14	20	M10	20	M6
	144 – 278	335	<b>17 0000 8050</b>	GTW-C 160-7	40	47	14	20	M10	20	M6
ROTA TP 315-90	78 – 168	347	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	126 – 222	347	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	200 – 296	347	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
ROTA TP 315-105	97 – 184	364	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	150 – 239	364	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	224 – 313	364	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
ROTA TP 350-115	106 – 196	376	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	160 – 250	376	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	234 – 325	376	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
<b>ab Ø 400mm/from Ø400mm</b>											
ROTA NCR 400 <sup>4)</sup>	134 – 248	429	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	181 – 303	429	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	236 – 377	429	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
<b>ab Ø 500mm/from Ø500mm</b>											
ROTA EP 500-260	270 – 308	489	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	325 – 363	489	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	399 – 437	489	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
ROTA NCR 500 <sup>4)</sup>	134 – 348	529	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	181 – 402	529	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	236 – 477	529	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
<b>ab Ø 630mm/from Ø630mm</b>											
ROTA NCR 630 <sup>4)</sup>	181 – 479	661	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	235 – 534	661	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	309 – 609	661	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8
<b>ab Ø 800mm/from Ø800mm</b>											
ROTA NCR 800 <sup>4)</sup>	181 – 647	829	<b>17 0000 8190</b>	GTW-C 315-1	50	58	21	28	M16	25	M8
	235 – 702	829	<b>17 0000 8200</b>	GTW-C 315-2	50	58	21	28	M16	25	M8
	309 – 777	829	<b>17 0000 8210</b>	GTW-C 315-3	50	58	21	28	M16	25	M8

1) auch mit 1,5mm x 60° Verzahnung erhältlich

2) auch mit Kreuzversatz erhältlich

4) Sechsenbackenfutter

1) Chuck is also available with serration 1,5mm x 60°

2) Chuck is also available with tongue/groove connection

4) 6-jaw chuck – please order 2 sets per 3 pcs

# Krallenbacken Innenspannung

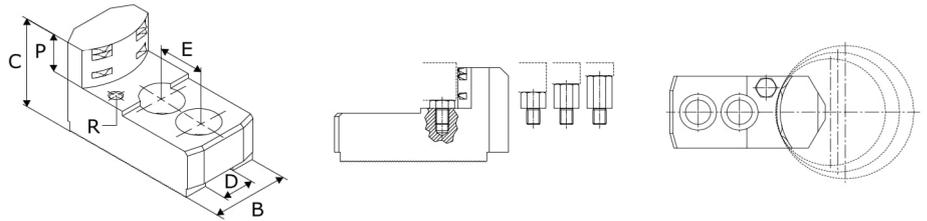
Hard claw jaws for I.D. clamping

Verzahnung 3/32" x 90°

Serration 3/32" x 90°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 380mm/from Ø380mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
ROTA EP 380-127 <sup>5)</sup>	128 – 159	398	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	209 – 239	398	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	288 – 320	398	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	351 – 383	428	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
ROTA EP 460-165 <sup>5)</sup>	189 – 246	486	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	270 – 328	486	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	350 – 409	486	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	414 – 472	517	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
ROTA EP 460-185 <sup>5)</sup>	189 – 256	496	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	270 – 338	496	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	350 – 419	496	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	414 – 482	527	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
ROTA NC 400-120 <sup>1)</sup> ; ROTA NCF 400-120 <sup>1)</sup> ; TH 400; THF 400	99 – 195	425	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	178 – 274	432	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	257 – 355	432	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	320 – 418	463	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
ROTA NCD 400-165	98 – 195	426	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	167 – 274	433	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	245 – 355	433	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	308 – 418	464	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
ROTA NCO 400	98 – 205	435	<b>17 0000 8350</b>	GTW-C 400-1	60	78	25,5	35	M20	33	M8
	150 – 284	442	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	228 – 365	442	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	291 – 428	473	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
ROTA TB 400-115 <sup>5)</sup>	122 – 206	446	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	190 – 287	446	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	270 – 368	446	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	333 – 431	476	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
ROTA TB 400-140 <sup>5)</sup>	131 – 226	466	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	211 – 307	466	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	291 – 388	466	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	354 – 451	497	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
ROTA TB 470-185 <sup>5)</sup>	180 – 275	516	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	261 – 357	516	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	341 – 438	516	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	405 – 501	547	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8

# Krallenbacken Innenspannung

Hard claw jaws for I.D. clamping

Verzahnung 3/32" x 90°

Serration 3/32" x 90°

Futtertyp/Chuck type ab Ø 500mm/from Ø500mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
ROTA NC 500-160; ROTA NCF 500-160; TH 500; THF 500	153 – 289	530	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	234 – 371	530	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	314 – 452	530	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	377 – 515	561	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
ROTA NCD 500-165	122 – 296	536	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	167 – 378	536	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	245 – 459	536	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	308 – 522	567	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
ROTA NCO 500	122 – 311	552	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	150 – 393	552	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	228 – 474	552	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	291 – 537	583	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
ROTA TB 500-160 <sup>5)</sup>	165 – 303	544	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	245 – 385	544	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	326 – 466	544	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	389 – 529	575	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
ROTA TB 500-205 <sup>5)</sup>	232 – 348	589	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	313 – 430	589	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	394 – 511	589	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	457 – 574	620	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
ROTA TB 500-230 <sup>5)</sup>	252 – 368	609	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	333 – 450	609	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	414 – 531	609	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	477 – 594	640	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
<b>ab Ø 600mm/from Ø600mm</b>											
ROTA NC 630-180 <sup>6)</sup> ; ROTA NCF 630-180 <sup>6)</sup>	179 – 414	655	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	260 – 496	655	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	340 – 577	655	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	404 – 641	686	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
ROTA NCD 630-165	122 – 421	662	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	167 – 503	662	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	245 – 584	662	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	308 – 648	693	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
ROTA NCO 630	122 – 427	669	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	149 – 510	669	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	224 – 591	669	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	286 – 654	700	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
ROTA TB 600-275 <sup>5)</sup>	266 – 395	636	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	347 – 477	636	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	428 – 558	636	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
ROTA TB 610-260 <sup>5)</sup>	278 – 400	641	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	359 – 482	641	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	440 – 563	641	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8

# Krallenbacken Innenspannung

Verzahnung 3/32" x 90°

Hard claw jaws for I.D. clamping

Serration 3/32" x 90°

Futtertyp/Chuck type ab Ø 800mm/from Ø800mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
ROTA NC 800-230 <sup>6)</sup>	221 – 582	824	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	302 – 665	824	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	383 – 746	824	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	446 – 809	855	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
ROTA NCO 800	169 – 601	843	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	250 – 685	843	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	330 – 766	843	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	393 – 829	874	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8
<b>ab Ø 1000mm/from Ø1000mm</b>											
ROTA NCR 1000 <sup>4)</sup>	231 – 819	1062	<b>17 0000 8360</b>	GTW-C 400-2	60	78	25,5	35	M20	33	M8
	312 – 903	1062	<b>17 0000 8370</b>	GTW-C 400-3	60	78	25,5	35	M20	33	M8
	393 – 984	1062	<b>17 0000 8380</b>	GTW-C 400-4	60	78	25,5	35	M20	33	M8
	456 – 1047	1093	<b>17 0000 8390</b>	GTW-C 400-5	60	78	25,5	35	M20	33	M8

4) Sechsbackenfutter

4) 6-jaw chuck – please order 2 sets per 3 pcs

5) Bitte überprüfen Sie die Befestigungslöcher

5) Please check the mounting holes

Vor 2008 wurde das Spannfutter mit M18-Schrauben geliefert

Before 2008, the chuck was delivered with M18 screws

6) Bitte überprüfen Sie die Nutbreite.

6) Please check the slot width.

Bei Bedarf bitte abgestufte Nutensteine verwenden

If necessary please use stepped T-nuts

# Krallenbacken Innenspannung

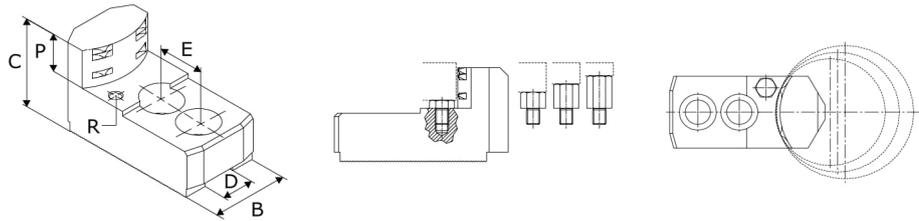
## Hard claw jaws for I.D. clamping

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°

Stahl 16MnCr5, gehärtet

Steel 16MnCr5, hardened



Futtertyp/Chuck type ab Ø 210mm/from Ø 210mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
ROTA NC 210 <sup>9)</sup> ; ROTA NCF 210 <sup>9)</sup>	57 – 89	223	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	80 – 119	224	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	111 – 149	224	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	140 – 179	233	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
ROTA NC plus 215-66 <sup>9)</sup> ; ROTA NC plus 2 215-66 <sup>9)</sup> ; ROTA NCF plus 215-66 <sup>9)</sup> ; ROTA NCF plus 2 215-66 <sup>9)</sup>	63 – 96	230	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	92 – 126	230	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	123 – 156	230	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	152 – 186	240	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
ROTA NCD 215-66 <sup>9)</sup>	57 – 88	222	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	71 – 118	223	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	98 – 149	223	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	127 – 178	232	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
ROTA NCK 210	57 – 80	214	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	82 – 110	215	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	113 – 141	215	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	142 – 171	225	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
ROTA NCK plus 210-52 <sup>9)</sup>	57 – 89	223	<b>17 0000 8400</b>	GTW-M 210-1	35	53	14	25	M12	20	M6
	72 – 119	223	<b>17 0000 8410</b>	GTW-M 210-2	40	53	14	25	M12	20	M6
	102 – 149	223	<b>17 0000 8420</b>	GTW-M 210-3	40	53	14	25	M12	20	M6
	131 – 179	233	<b>17 0000 8430</b>	GTW-M 210-4	40	53	14	25	M12	20	M6
<b>ab Ø 250mm/from Ø 250mm</b>											
ROTA NC 250 <sup>9)</sup> ; ROTA NCF 250 <sup>9)</sup>	60 – 106	266	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	98 – 146	266	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	135 – 183	266	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	168 – 218	270	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
ROTA NC plus 260-86 <sup>9)</sup> ; ROTA NC plus 2 260-86 <sup>9)</sup> ; ROTA NCF plus 260-86 <sup>9)</sup> ; ROTA NCF plus 2 260-86 <sup>9)</sup>	68 – 119	280	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	108 – 160	280	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	146 – 197	280	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	179 – 231	284	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
ROTA NCD 255-86 <sup>9)</sup>	60 – 111	272	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	89 – 151	272	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	125 – 189	272	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	158 – 223	276	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
ROTA NCK 250	60 – 101	261	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	98 – 141	261	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	135 – 179	261	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	168 – 213	265	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6

# Krallenbacken Innenspannung

Verzahnung 1,5mm x 60°

Hard claw jaws for I.D. clamping

Serration 1,5mm x 60°

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ	B	C	D	E	Schrauben Screws	P	R
ROTA NCK plus 250-75 <sup>9)</sup>	60 – 111	272	<b>17 0000 8440</b>	GTW-M 250-1	40	58	16	30	M12	25	M6
	94 – 152	272	<b>17 0000 8450</b>	GTW-M 250-2	40	58	16	30	M12	25	M6
	131 – 189	272	<b>17 0000 8460</b>	GTW-M 250-3	40	58	16	30	M12	25	M6
	164 – 223	276	<b>17 0000 8470</b>	GTW-M 250-4	40	58	16	30	M12	25	M6
<b>ab Ø 315mm/from Ø315mm</b>											
ROTA NC 315 <sup>9)</sup> ; ROTA NCF 315 <sup>9)</sup>	82 – 162	338	<b>17 0000 8480</b>	GTW-M 300-1	50	65	18	30	M14	25	M8
	141 – 224	338	<b>17 0000 8490</b>	GTW-M 300-2	50	65	18	30	M14	25	M8
	206 – 289	338	<b>17 0000 8500</b>	GTW-M 300-3	50	65	18	30	M14	25	M8
	257 – 341	382	<b>17 0000 8510</b>	GTW-M 300-4	50	65	18	30	M14	25	M8
ROTA NC plus 315-104 <sup>9)</sup> ; ROTA NC plus 2 315-104 <sup>9)</sup> ; ROTA NCF plus 315-104 <sup>9)</sup> ; ROTA NCF plus 2 315-104 <sup>9)</sup>	89 – 163	339	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	149 – 224	339	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	213 – 289	339	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	265 – 341	383	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
ROTA NCD 315-115 <sup>9)</sup>	79 – 161	337	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	138 – 223	337	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	202 – 288	337	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	254 – 340	381	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
ROTA NCK 315	78 – 140	315	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	138 – 201	315	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	201 – 266	315	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	253 – 318	359	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
ROTA NCK plus 315-91 <sup>9)</sup>	78 – 150	326	<b>17 0000 8520</b>	GTW-M 300-5	50	65	21	30	M16	25	M8
	134 – 212	326	<b>17 0000 8530</b>	GTW-M 300-6	50	65	21	30	M16	25	M8
	198 – 276	326	<b>17 0000 8540</b>	GTW-M 300-7	50	65	21	30	M16	25	M8
	250 – 328	370	<b>17 0000 8550</b>	GTW-M 300-8	50	65	21	30	M16	25	M8
<b>ab Ø 400mm/from Ø400mm</b>											
ROTA NC 400-120 <sup>11)</sup> ; ROTA NCF 400-120 <sup>11)</sup>	111 – 195	424	<b>17 0000 8560</b>	GTW-M 380-1	60	85	22	43	M20	33	M8
	166 – 251	424	<b>17 0000 8570</b>	GTW-M 380-2	60	85	22	43	M20	33	M8
	221 – 307	424	<b>17 0000 8580</b>	GTW-M 380-3	60	85	22	43	M20	33	M8
	290 – 377	431	<b>17 0000 8590</b>	GTW-M 380-4	60	85	22	43	M20	33	M8
	350 – 437	483	<b>17 0000 8600</b>	GTW-M 380-5	60	85	22	43	M20	33	M8

9) auch mit 1/16" x 90° Verzahnung erhältlich

9) Chuck is also available with serration 1/16 x 90°

11) auch mit 3/32" x 90° Verzahnung erhältlich

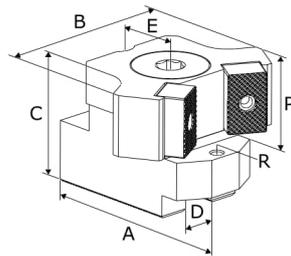
11) Chuck is also available with serration 3/32 x 90°

# Pendelbacken

## Pendulum jaws

Verzahnung 1/16" x 90°

Serration 1/16" x 90°



Pendelbacken ermöglichen sicheres Spannen dünnwandiger und verformungsgefährdeter Werkstücke

Die Befestigung erfolgt mit einzelnen Nutensteinen  
Nutensteine müssen separat bestellt werden

Pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation

Fastening is done using single T-Nuts  
T-Nuts must be ordered separately

Futtertyp/Chuck type ab $\varnothing$ 200mm / from $\varnothing$ 200mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
ROTA NC 210 <sup>1)</sup> ; ROTA NCF 210 <sup>1)</sup> ; TH 210; THF 210	63 – 94	230	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 97	230	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	93 – 126	251	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	119 – 152	250	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
ROTA NC plus 215-66 <sup>1)</sup> ; ROTA NC plus 2 215-66 <sup>1)</sup> ; ROTA NCF plus 215-66 <sup>1)</sup> ; ROTA NCF plus 2 215-66 <sup>1)</sup>	74 – 94	229	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	76 – 97	229	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	105 – 125	250	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	130 – 151	249	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
ROTA NCD 210 <sup>1)</sup>	52 – 94	229	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 97	229	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	84 – 125	250	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	108 – 151	249	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
ROTA NCD 215-66	51 – 87	219	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 88	219	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	84 – 117	240	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	107 – 143	240	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
ROTA NCK plus 210-52 <sup>1)</sup>	56 – 89	222	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 91	222	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	86 – 119	243	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	112 – 145	242	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
ROTA NCO 210 <sup>2)</sup>	62 – 94	231	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 99	231	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	92 – 128	252	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	118 – 153	252	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
ROTA TP 200-52; TP 200	68 – 92	226	<b>17 0001 3710</b>	SWT-C 200-1	74	78	56	17	30	M12	30	M6
	69 – 94	226	<b>17 0001 3720</b>	SWT-C 200-2	74	98	56	17	30	M12	30	M6
	98 – 123	247	<b>17 0001 3730</b>	SWT-C 200-3	70	102	56	17	30	M12	30	M6
	124 – 148	246	<b>17 0001 3740</b>	SWT-C 200-4	70	130	56	17	30	M12	30	M6
<b>ab <math>\varnothing</math> 250mm / from <math>\varnothing</math> 250mm</b>												
ROTA NC 250 <sup>1)</sup> ; ROTA NCF 250 <sup>1)</sup> ; TH 250; THF 250	65 – 99	275	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	71 – 112	275	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 116	275	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	124 – 165	292	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	136 – 177	292	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
ROTA NC plus 260-86 <sup>1)</sup> ; ROTA NC plus 2 260-86 <sup>1)</sup> ; ROTA NCF plus 260-86 <sup>1)</sup> ; ROTA NCF plus 2 260-86 <sup>1)</sup>	81 – 99	278	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	87 – 115	278	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 119	278	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	140 – 168	295	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	152 – 180	295	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6

**Pendelbacken**

Verzahnung 1/16" x 90°

**Pendulum jaws**

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
	Clamping range	Swing diameter										
ROTA NCD 250-86 <sup>1)</sup>	60 – 99	266	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	69 – 105	266	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 109	266	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	119 – 158	284	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	131 – 170	284	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
ROTA NCD 255-86 <sup>1)</sup>	60 – 99	270	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	69 – 108	270	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 112	270	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	119 – 161	288	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	131 – 173	288	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
ROTA NCK plus 250-75 <sup>1)</sup>	63 – 99	278	<b>17 0001 3800</b>	SWT-C 250-6	90	81,5	64	17	32	M12	35	M6
	70 – 115	278	<b>17 0001 3810</b>	SWT-C 250-7	90	93	64	17	32	M12	35	M6
	99 – 119	278	<b>17 0001 3820</b>	SWT-C 250-8	90	102	64	17	32	M12	35	M6
	119 – 165	292	<b>17 0001 3830</b>	SWT-C 250-9	75	131	64	17	32	M12	35	M6
	131 – 177	292	<b>17 0001 3840</b>	SWT-C 250-10	75	144	64	17	32	M12	35	M6
ROTA NCO 260 <sup>2)</sup>	71 – 99	287	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	77 – 123	287	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 127	287	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	130 – 176	304	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	142 – 188	304	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
ROTA TP 250-68; TP 250	73 – 99	280	<b>17 0001 3750</b>	SWT-C 250-1	96	81,5	64	21	34	M16	35	M6
	79 – 117	280	<b>17 0001 3760</b>	SWT-C 250-2	96	93	64	21	34	M16	35	M6
	99 – 121	280	<b>17 0001 3770</b>	SWT-C 250-3	96	102	64	21	34	M16	35	M6
	132 – 170	298	<b>17 0001 3780</b>	SWT-C 250-4	75	131	64	21	34	M16	34	M6
	144 – 182	298	<b>17 0001 3790</b>	SWT-C 250-5	75	144	64	21	34	M16	34	M6
<b>ab Ø 315mm / from Ø 315mm</b>												
ROTA NC 315 <sup>1)</sup> ; ROTA NCF 315 <sup>1)</sup> ; TH 315; THF 315	79 – 120	330	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 159	330	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	156 – 222	348	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	166 – 232	349	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
ROTA NC plus 315-104 <sup>1)</sup> ; ROTA NC plus 2 315-104 <sup>1)</sup> ; ROTA NCF plus 315-104 <sup>1)</sup> ; ROTA NCF plus 2 315-104 <sup>1)</sup>	89 – 120	331	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	103 – 160	331	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	166 – 223	349	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	176 – 233	351	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
ROTA NCD 315-115 <sup>1)</sup>	77 – 120	330	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 159	330	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	154 – 222	348	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	164 – 232	349	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
ROTA NCK plus 315-91 <sup>1)</sup>	80 – 120	319	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 149	319	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	157 – 212	337	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	167 – 222	338	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
ROTA NCO 315 <sup>2)</sup>	67 – 120	342	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 170	342	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	144 – 223	360	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	158 – 243	362	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
ROTA TP 315-90	82 – 120	342	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	99 – 169	342	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	158 – 223	360	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	168 – 242	361	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6

# Pendelbacken

Verzahnung 1/16" x 90°

## Pendulum jaws

Serration 1/16" x 90°

Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
	Clamping range	Swing diameter										
ROTA TP 315-105	102 – 120	359	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	116 – 178	359	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	179 – 223	377	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	189 – 257	378	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
ROTA TP 350-115	111 – 120	371	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	125 – 178	371	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	188 – 223	388	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	198 – 267	390	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6
ROTA TP-LH 350-115	111 – 120	362	<b>17 0001 3850</b>	SWT-C 315-1	96	93	64	21	34	M16	35	M6
	125 – 178	362	<b>17 0001 3860</b>	SWT-C 315-2	96	130	64	21	34	M16	35	M6
	188 – 223	380	<b>17 0001 3870</b>	SWT-C 315-3	75	150	64	21	34	M16	34	M6
	198 – 260	381	<b>17 0001 3880</b>	SWT-C 315-4	75	179	64	21	34	M16	34	M6

- 1) auch mit 1,5mm x 60° Verzahnung erhältlich
- 2) auch mit Kreuzversatz erhältlich

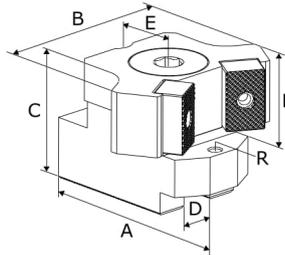
- 1) Chuck is also available with serration 1,5mm x 60°
- 2) Chuck is also available with tongue/groove connection

# Pendelbacken

## Pendulum jaws

Verzahnung 3/32" x 90°

Serration 3/32" x 90°



Pendelbacken ermöglichen sicheres Spannen dünnwandiger und verformungsgefährdeter Werkstücke

Die Befestigung erfolgt mit einzelnen Nutensteinen  
Nutensteine müssen separat bestellt werden

Pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation

Fastening is done using single T-Nuts  
T-Nuts must be ordered separately

Futtertyp/Chuck type	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
ROTA NC 400-120 <sup>1)</sup> ; ROTA NCF 400-120 <sup>1)</sup> ; TH 400; THF 400	123 - 192	417	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	188 - 252	443	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 - 282	443	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	288 - 357	539	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
ROTA NCD 400-165	113 - 192	417	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	178 - 252	443	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 - 282	443	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	278 - 357	539	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
ROTA NCO 400	109 - 200	427	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	163 - 260	453	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	225 - 290	452	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	263 - 365	549	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
ROTA TB 400-115 <sup>5)</sup>	135 - 203	430	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	200 - 263	456	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	230 - 293	456	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	300 - 368	552	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8
ROTA TB 400-140 <sup>5)</sup>	153 - 209	450	<b>17 0001 3890</b>	SWT-C 400-1	138	145	85	25,5	45	M20	45	M8
	218 - 281	476	<b>17 0001 3900</b>	SWT-C 400-2	110	200	85	25,5	48	M20	45	M8
	248 - 311	476	<b>17 0001 3910</b>	SWT-C 400-3	110	235	85	25,5	48	M20	45	M8
	318 - 386	572	<b>17 0001 3920</b>	SWT-C 400-4	150	248	90	25,5	45	M20	45	M8

1) auch mit 1,5mm x 60° Verzahnung erhältlich

5) Bitte überprüfen Sie die Befestigungslöcher

Vor 2008 wurde das Spannfutter mit M18-Schrauben geliefert

1) Chuck is also available with serration 1,5mm x 60°

5) Please check the mounting holes

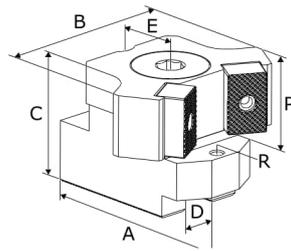
Before 2008, the chuck was delivered with M18 screws

# Pendelbacken

## Pendulum jaws

Verzahnung 1,5mm x 60°

Serration 1,5mm x 60°



Pendelbacken ermöglichen sicheres Spannen dünnwandiger und verformungsgefährdeter Werkstücke

Die Befestigung erfolgt mit einzelnen Nutensteinen  
Nutensteine müssen separat bestellt werden

Pendulum jaws for clamping of thin-walled workpieces which are at risk of deformation

Fastening is done using single T-Nuts  
T-Nuts must be ordered separately

Futtertyp/chuck type ab $\varnothing$ 210mm / from $\varnothing$ 210mm	Durchmesser Clamping range	Durchlass Swing diameter	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
ROTA NC 210 <sup>9)</sup> ; ROTA NCF 210 <sup>9)</sup>	57 – 83	222	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 – 90	222	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	87 – 113	243	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	113 – 139	242	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
ROTA NC plus 215-66 <sup>9)</sup> ; ROTA NC plus 2 215-66 <sup>9)</sup> ; ROTA NCF plus 215-66 <sup>9)</sup> ; ROTA NCF plus 2 215-66 <sup>9)</sup>	67 – 88	229	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	75 – 97	229	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	98 – 119	250	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	123 – 145	249	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
ROTA NCD 215-66 <sup>9)</sup>	47 – 82	221	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 – 90	221	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	78 – 112	242	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	101 – 138	241	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
ROTA NCK 210	58 – 75	213	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 – 83	213	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	89 – 106	234	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	114 – 131	233	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
ROTA NCK plus 210-52 <sup>9)</sup>	49 – 82	221	<b>17 0001 3460</b>	SWT-M 200-1	74	78	56	14	30	M12	30	M6
	69 – 90	221	<b>17 0001 3465</b>	SWT-M 200-2	74	98	56	14	30	M12	30	M6
	80 – 113	243	<b>17 0001 3470</b>	SWT-M 200-3	70,5	102	56	14	30	M12	30	M6
	105 – 139	242	<b>17 0001 3480</b>	SWT-M 200-4	70,5	130	56	14	30	M12	30	M6
<b>ab <math>\varnothing</math> 250mm / from <math>\varnothing</math> 250mm</b>												
ROTA NC 250 <sup>9)</sup> ; ROTA NCF 250 <sup>9)</sup>	66 – 99	274	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	72 – 111	274	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 – 115	274	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	121 – 161	287	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	133 – 173	287	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
ROTA NC plus 260-86 <sup>9)</sup> ; ROTA NC plus 2 260-86 <sup>9)</sup> ; ROTA NCF plus 260-86 <sup>9)</sup> ; ROTA NCF plus 2 260-86 <sup>9)</sup>	75 – 99	287	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	81 – 123	287	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 – 127	287	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	131 – 173	301	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	143 – 185	301	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
ROTA NCD 255-86 <sup>9)</sup>	57 – 99	279	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	69 – 116	279	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 – 120	279	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	112 – 165	293	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	124 – 177	293	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
ROTA NCK 250	66 – 99	269	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	72 – 107	269	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 – 111	269	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	121 – 156	282	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	133 – 168	282	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6

**Pendelbacken**

**Verzahnung 1,5mm x 60°**

**Pendulum jaws**

**Serration 1,5mm x 60°**

Futtertyp/Chuck type	Durchmesser	Durchlass	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	P	R
	Clamping range	Swing diameter										
ROTA NCK plus 250-75 <sup>9)</sup>	62 – 99	279	<b>17 0001 3490</b>	SWT-M 250-1	90	81,5	64	16	32	M12	35	M6
	69 – 116	279	<b>17 0001 3500</b>	SWT-M 250-2	90	93	64	16	32	M12	35	M6
	98 – 120	279	<b>17 0001 3510</b>	SWT-M 250-3	90	102	64	16	32	M12	35	M6
	117 – 166	293	<b>17 0001 3520</b>	SWT-M 250-4	75	131	64	16	32	M12	35	M6
	129 – 178	293	<b>17 0001 3530</b>	SWT-M 250-5	75	144	64	16	32	M12	35	M6
<b>ab Ø 315mm / from Ø 315mm</b>												
ROTA NC 315 <sup>9)</sup> ; ROTA NCF 315 <sup>9)</sup>	80 – 120	331	<b>17 0001 3540</b>	SWT-M 315-1	97	93	68	18	34	M14	35	M6
	99 – 160	331	<b>17 0001 3550</b>	SWT-M 315-2	97	130	68	18	34	M14	35	M6
	157 – 222	349	<b>17 0001 3560</b>	SWT-M 315-3	75	150	68	18	34	M14	35	M6
	167 – 232	350	<b>17 0001 3570</b>	SWT-M 315-4	75	179	68	18	34	M14	35	M6
ROTA NC plus 315-104 <sup>9)</sup> ; ROTA NC plus 2 315-104 <sup>9)</sup> ; ROTA NCF plus 315-104 <sup>9)</sup> ; ROTA NCF plus 2 315-104 <sup>9)</sup>	87 – 120	331	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	101 – 160	331	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	163 – 223	349	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	173 – 233	351	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6
ROTA NCD 315-115 <sup>9)</sup>	77 – 120	330	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	99 – 159	330	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	154 – 222	348	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	164 – 232	349	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6
ROTA NCK 315	76 – 120	308	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	99 – 140	308	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	153 – 203	326	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	163 – 213	328	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6
ROTA NCK plus 315-91 <sup>9)</sup>	73 – 120	319	<b>17 0001 3580</b>	SWT-M 315-5	97	93	70	21	34	M16	35	M6
	99 – 149	319	<b>17 0001 3590</b>	SWT-M 315-6	97	130	70	21	34	M16	35	M6
	150 – 212	336	<b>17 0001 3600</b>	SWT-M 315-7	75	150	70	21	34	M16	35	M6
	160 – 222	338	<b>17 0001 3610</b>	SWT-M 315-8	75	179	70	21	34	M16	35	M6

9) auch mit 1/16" x 90° Verzahnung erhältlich

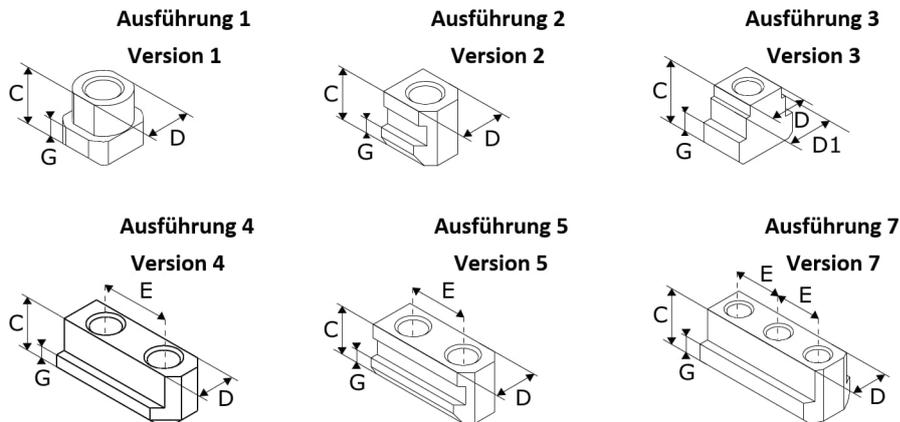
9) Chuck is also available with serration 1/16 x 90°

# T-Nutensteine für Spannfutter mit Zollverzahnung

T-Nuts for chucks with inch serration

Verzahnung 90°

Serration 90°



Futtertyp/Chuck type ab Ø 125mm / from Ø 125mm	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max. Anzugsmoment Nm Max. tightening torque Nm		Ausführung Version
HSG 140	17 0000 8640	WTD 10-1	13,7	10	-	12	M6x18	5,5	16	7	
ROTA NCD 130; ROTA NCD 132-32	17 0000 8640	WTD 10-1	13,7	10	-	12	M6x18	5,5	16	7	
ROTA TP 125-26	17 0000 8630	WTS 11-1	21	11	-	-	M8x30	7	30	1	
TP 125	17 0000 8630	WTS 11-1	21	11	-	-	M8x30	7	30	1	
<b>ab Ø 160mm / from Ø 160mm</b>											
HSG 160	17 0000 8650	WTD 12-1	17,2	12	-	15	M8x20	7	30	7	
	17 0000 6000	WTS 12-1	17,2	12	-	-	M8x20	7	30	1	
HSL 165	17 0000 5560	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	17 0000 5470	WTS 17-2	23	17	-	-	M12x30	9	70	1	
ROTA 2B 160	17 0000 6240	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5	
	17 0000 2440	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2	
ROTA NC 165	17 0000 6240	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5	
	17 0000 2440	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2	
ROTA NCD 160; ROTA NCD 165-46	17 0000 8650	WTD 12-1	17,2	12	-	15	M8x20	7	30	7	
	17 0000 6000	WTS 12-1	17,2	12	-	-	M8x20	7	30	1	
ROTA NCF 165	17 0000 6240	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5	
	17 0000 2440	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2	
ROTA NCK plus 165-45	17 0000 6230	WTD 14-1	18,5	14	-	20	M10x25	6,5	50	5	
	17 0000 2430	WTS 14-2	18,5	14	-	-	M10x25	6,5	50	2	
ROTA NCO 165	17 0000 6240	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5	
	17 0000 2440	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2	
ROTA TP 160-38	17 0000 8660	WTS 14-1	25,5	14	-	-	M10x35	8,5	50	1	
TH 165; THF 165	17 0000 5560	WTD 17-2	23	17	-	22	M12x30	9	70	4	
	17 0000 5470	WTS 17-2	23	17	-	-	M12x30	9	70	1	
TP 160	17 0000 8660	WTS 14-1	25,5	14	-	-	M10x35	8,5	50	1	
<b>ab Ø 185mm / from Ø185mm</b>											
ROTA NC plus 185-52; ROTA NC plus 2 185-52	17 0000 6230	WTD 14-1	18,5	14	-	20	M10x25	6,5	50	5	
	17 0000 2430	WTS 14-2	18,5	14	-	-	M10x25	6,5	50	2	
ROTA NCD 185-54	17 0000 6240	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5	
	17 0000 2440	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2	

**T-Nutensteine für Spannfutter mit Zollverzahnung**

**Verzahnung 90°**

T-Nuts for chucks with inch serration

**Serration 90°**

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max. Anzugsmoment Nm	
									Max. tightening torque Nm	Ausführung Version
ROTA NCF plus 185-52; ROTA NCF plus 2 185-52	<b>17 0000 6230</b>	WTD 14-1	18,5	14	-	20	M10x25	6,5	50	5
	<b>17 0000 2430</b>	WTS 14-2	18,5	14	-	-	M10x25	6,5	50	2
<b>ab Ø200mm / from Ø 200mm</b>										
HSG 200	<b>17 0000 8730</b>	WTD 17-3	21,5	17	-	19	M12x25	9	70	4
	<b>17 0000 6010</b>	WTS 17-4	22	17	-	-	M12x25	9	70	1
HSL 210	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1
ROTA 2B 200	<b>17 0000 6250</b>	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	<b>17 0000 2450</b>	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
ROTA NC 210; ROTA NC plus 215-66; ROTA NC plus 2 215-66	<b>17 0000 6240</b>	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5
	<b>17 0000 2440</b>	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2
ROTA NCD 210; ROTA NCD 215-66	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1
ROTA NCF 210; ROTA NCF plus 215-66; ROTA NCF plus 2 215-66; ROTA NCK plus 210-52; ROTA NCO 210	<b>17 0000 6240</b>	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5
	<b>17 0000 2440</b>	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2
ROTA TP 200-52	<b>17 0000 8680</b>	WTS 17-3	27	17	-	-	M12x35	9	70	1
TH 210; THF 210	<b>17 0000 5560</b>	WTD 17-2	23	17	-	22	M12x30	9	70	4
	<b>17 0000 5470</b>	WTS 17-2	23	17	-	-	M12x30	9	70	1
TP 200	<b>17 0000 8680</b>	WTS 17-3	27	17	-	-	M12x35	9	70	1
<b>ab Ø250mm / from Ø 250mm</b>										
HSG 250	<b>17 0000 8730</b>	WTD 17-3	21,5	17	-	19	M12x25	9	70	4
	<b>17 0000 6010</b>	WTS 17-4	22	17	-	-	M12x25	9	70	1
HSL 250	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1
	<b>17 0000 8710</b>	WTS 17-8	27	17	21	-	M12x30	11	70	3
ROTA 2B 250	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
	<b>17 0000 8700</b>	WTS 21-8	29	21	25,5	-	M16x35	11	150	3
ROTA NC 250; ROTA NC plus 260-86; ROTA NC plus 2 260-86	<b>17 0000 6250</b>	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	<b>17 0000 2450</b>	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
ROTA NCD 250-86; ROTA NCD 255-86	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1
	<b>17 0000 8710</b>	WTS 17-8	27	17	21	-	M12x30	11	70	3
ROTA NCF 250; ROTA NCF plus 260-86; ROTA NCF plus 2 260-86	<b>17 0000 6250</b>	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	<b>17 0000 2450</b>	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
ROTA NCK plus 250-75	<b>17 0000 6240</b>	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5
	<b>17 0000 2440</b>	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2
ROTA NCO 260	<b>17 0000 6250</b>	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	<b>17 0000 2450</b>	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
ROTA NCR 250	<b>17 0000 6230</b>	WTD 14-1	18,5	14	-	20	M10x25	6,5	50	5
	<b>17 0000 2430</b>	WTS 14-2	18,5	14	-	-	M10x25	6,5	50	2
ROTA TP 250-68	<b>17 0000 8720</b>	WTS 21-3	30	21	-	-	M16x35	11	150	1

**T-Nutensteine für Spannfutter mit Zollverzahnung**

**Verzahnung 90°**

**T-Nuts for chucks with inch serration**

**Serration 90°**

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max.Anzugsmoment Nm	
									Max. tightening torque Nm	Ausführung Version
TH 250; THF 250	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1
	<b>17 0000 8710</b>	WTS 17-8	27	17	21	-	M12x30	11	70	3
TP 250	<b>17 0000 8720</b>	WTS 21-3	30	21	-	-	M16x35	11	150	1
<b>ab Ø315mm / from Ø 315mm</b>										
HSG 315	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1
HSL 315	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1
	<b>17 0000 8710</b>	WTS 17-8	27	17	21	-	M12x30	11	70	3
ROTA 2B 315	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
	<b>17 0000 8700</b>	WTS 21-8	29	21	25,5	-	M16x35	11	150	3
ROTA NC 315	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1
	<b>17 0000 8710</b>	WTS 17-8	27	17	21	-	M12x30	11	70	3
ROTA NC plus 315-104; ROTA NC plus 2 315-104	<b>17 0000 6250</b>	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	<b>17 0000 2450</b>	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
ROTA NCD 315-115; ROTA NCF 315	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1
	<b>17 0000 8710</b>	WTS 17-8	27	17	21	-	M12x30	11	70	3
ROTA NCF plus 315-104; ROTA NCF plus 2 315-104; ROTA NCK plus 315-91; ROTA NCO 315	<b>17 0000 6250</b>	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	<b>17 0000 2450</b>	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
ROTA NCR 315	<b>17 0000 6230</b>	WTD 14-1	18,5	14	-	20	M10x25	6,5	50	5
	<b>17 0000 2430</b>	WTS 14-2	18,5	14	-	-	M10x25	6,5	50	2
ROTA TP 315-90; ROTA TP 315-105; ROTA TP 350-115; ROTA TP-LH 350-115	<b>17 0000 8720</b>	WTS 21-3	30	21	-	-	M16x35	11	150	1
TH 315; THF 315	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1
	<b>17 0000 8710</b>	WTS 17-8	27	17	21	-	M12x30	11	70	3
TP 315	<b>17 0000 8720</b>	WTS 21-3	30	21	-	-	M16x35	11	150	1
<b>ab Ø380mm / from Ø 380mm</b>										
HSG 400	<b>17 0001 1270</b>	WTS 25,5-4	33,7	25,5	-	-	M20x45	15,5	220	1
HSL 400	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
ROTA 2B 400	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
	<b>17 0000 8700</b>	WTS 21-8	29	21	25,5	-	M16x35	11	150	3
ROTA EP 380-127; ROTA EP 460-165; ROTA EP 460-185; ROTA EP-LH 460-165; ROTA EP-LH 460-185	<b>17 0000 8740</b>	WTS 25,5-2	34,5	25,5	-	-	M18x55	14,5	220	1
	<b>17 0000 8750</b>	WTS 25,5-3	34,5	25,5	-	-	M20x55	14,5	220	1
ROTA NC 400-120; ROTA NCD 400-165; ROTA NCF 400-120	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
ROTA NCO 400	<b>17 0001 1270</b>	WTS 25,5-4	33,7	25,5	-	-	M20x45	15,5	220	1

**T-Nutensteine für Spannfutter mit Zollverzahnung**

**Verzahnung 90°**

T-Nuts for chucks with inch serration

**Serration 90°**

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max. Anzugsmoment Nm	
									Max. tightening torque Nm	Ausführung Version
ROTA NCR 400	<b>17 0000 6250</b>	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	<b>17 0000 2450</b>	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
ROTA TB 400-115; ROTA TB 400-140; ROTA TB 470-185; ROTA TB-LH 400-140; ROTA TB-LH 470-185	<b>17 0000 8740</b>	WTS 25,5-2	34,5	25,5	-	-	M18x55	14,5	220	1
	<b>17 0000 8750</b>	WTS 25,5-3	34,5	25,5	-	-	M20x55	14,5	220	1
TB 400	<b>17 0000 8740</b>	WTS 25,5-2	34,5	25,5	-	-	M18x55	14,5	220	1
	<b>17 0000 8750</b>	WTS 25,5-3	34,5	25,5	-	-	M20x55	14,5	220	1
TH 400; THF 400	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
<b>ab Ø500mm / from Ø 500mm</b>										
HSG 500	<b>17 0001 1270</b>	WTS 25,5-4	33,7	25,5	-	-	M20x45	15,5	220	1
ROTA EP 500-260	<b>17 0000 8720</b>	WTS 21-3	30	21	-	-	M16x35	11	150	1
ROTA NC 500-160; ROTA NCD 500-165; ROTA NCF 500-160	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
ROTA NCO 500	<b>17 0001 1270</b>	WTS 25,5-4	33,7	25,5	-	-	M20x45	15,5	220	1
ROTA NCR 500	<b>17 0000 6250</b>	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	<b>17 0000 2450</b>	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
ROTA TB 500-160; ROTA TB 500-205; ROTA TB 500-230; ROTA TB-LH 500-205; ROTA TB-LH 500-230	<b>17 0000 8740</b>	WTS 25,5-2	34,5	25,5	-	-	M18x55	14,5	220	1
	<b>17 0000 8750</b>	WTS 25,5-3	34,5	25,5	-	-	M20x55	14,5	220	1
TB 500	<b>17 0000 8740</b>	WTS 25,5-2	34,5	25,5	-	-	M18x55	14,5	220	1
	<b>17 0000 8750</b>	WTS 25,5-3	34,5	25,5	-	-	M20x55	14,5	220	1
TH 500; THF 500	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
<b>ab Ø600mm / from Ø 600mm</b>										
ROTA NC 630-180	<b>17 0000 8760</b>	WTS 30-1	41	30	-	-	M24x60	15	450	1
	<b>17 0000 8770</b>	WTS 25,5-5	41	25,5	30	-	M20x50	15	220	3
ROTA NCD 630-165	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
ROTA NCF 630-180	<b>17 0000 8760</b>	WTS 30-1	41	30	-	-	M24x60	15	450	1
	<b>17 0000 8770</b>	WTS 25,5-5	41	25,5	30	-	M20x50	15	220	3
ROTA NCO 630	<b>17 0001 1270</b>	WTS 25,5-4	33,7	25,5	-	-	M20x45	15,5	220	1
ROTA NCR 630	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1
ROTA TB 600-275; ROTA TB 610-260	<b>17 0000 8740</b>	WTS 25,5-2	34,5	25,5	-	-	M18x55	14,5	220	1
	<b>17 0000 8750</b>	WTS 25,5-3	34,5	25,5	-	-	M20x55	14,5	220	1
ROTA TB 630-265; ROTA TB 630-310; ROTA TB 630-325; ROTA TB 630-330	<b>17 0000 8780</b>	WTS 30-2	41	30	-	-	M24x70	15	450	1
ROTA TB-LH 600-275; ROTA TB-LH 610-260	<b>17 0000 8740</b>	WTS 25,5-2	34,5	25,5	-	-	M18x55	14,5	220	1
	<b>17 0000 8750</b>	WTS 25,5-3	34,5	25,5	-	-	M20x55	14,5	220	1
ROTA TB-LH 630-265	<b>17 0000 8790</b>	WTS 25,5-6	67	25,5	-	-	M18x90	14,5	220	1
ROTA TB-LH 630-275	<b>17 0000 8750</b>	WTS 25,5-3	34,5	25,5	-	-	M20x55	14,5	220	1
ROTA TB-LH 630-325	<b>17 0000 8780</b>	WTS 30-2	41	30	-	-	M24x70	15	450	1
TB 630; TH 630	<b>17 0000 8780</b>	WTS 30-2	41	30	-	-	M24x70	15	450	1

**T-Nutensteine für Spannfutter mit Zollverzahnung**

**Verzahnung 90°**

T-Nuts for chucks with inch serration

**Serration 90°**

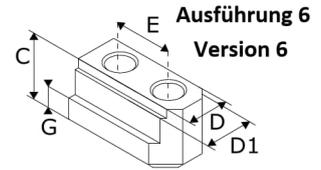
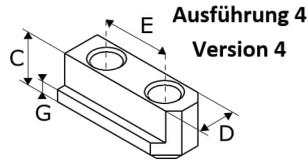
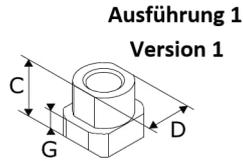
Futtertyp/Chuck type	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max. Anzugsmoment Nm	
									Max. tightening torque Nm	Ausführung Version
<b>ab Ø800mm / from Ø 800mm</b>										
ROTA NC 800-230	<b>17 0000 8760</b>	WTS 30-1	41	30	-	-	M24x60	15	450	1
	<b>17 0000 8770</b>	WTS 25,5-5	41	25,5	30	-	M20x50	15	220	3
ROTA NCO 800	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
ROTA NCR 800	<b>17 0000 5570</b>	WTD 21-2	27	21	-	28	M16x35	11	150	4
	<b>17 0000 5480</b>	WTS 21-2	27	21	-	-	M16x35	11	150	1
ROTA TB 800-365; ROTA TB 800-375; ROTA TB 800-410; ROTA TB-LH 850-375	<b>17 0000 8780</b>	WTS 30-2	41	30	-	-	M24x70	15	450	1
<b>ab Ø1000mm / from Ø 1000mm</b>										
ROTA NC 1000-350; ROTA NCO 1000	<b>17 0000 8800</b>	WTS 30-3	41	30	-	-	M24x50	15	450	1
ROTA NCR 1000	<b>17 0000 5580</b>	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	<b>17 0000 5490</b>	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
ROTA TB 1000-534; ROTA TB 1000-560; ROTA TB-LH 1000-560; ROTA TB-LH 1200-640	<b>17 0000 8780</b>	WTS 30-2	41	30	-	-	M24x70	15	450	1

**T-Nutensteine für Spannfutter / Metrische Verzahnung**

T-Nuts for chucks with metric serration

**Verzahnung 60°**

**Serration 60°**



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max. Anzugsmoment Nm		Ausführung Version
									Max. tightening torque Nm		
<b>ab Ø 165mm / from Ø 165mm</b>											
HSL 165	<b>17 0000 4600</b>	WTD 12-2	22	12	-	20	M10x25	7	50		4
ROTA NC 165	<b>17 0000 4600</b>	WTD 12-2	22	12	-	20	M10x25	7	50		4
ROTA NCD 165-46	<b>17 0000 3230</b>	WTD 12-3	18,5	12	-	20	M10x25	7,5	50		4
	<b>17 0000 3280</b>	WTS 12-2	18,5	12	-	-	M10x25	7,5	50		1
ROTA NCF 165	<b>17 0000 4600</b>	WTD 12-2	22	12	-	20	M10x25	7	50		4
ROTA NCK 165; ROTA NCK plus 165-45	<b>17 0000 3230</b>	WTD 12-3	18,5	12	-	20	M10x25	7,5	50		4
	<b>17 0000 3280</b>	WTS 12-2	18,5	12	-	-	M10x25	7,5	50		1
<b>ab Ø 185mm / from Ø 185mm</b>											
ROTA NC plus 185-52; ROTA NC plus 2 185-52; ROTA NCD 185-54; ROTA NCF plus 185-52; ROTA NCF plus 2 185-52	<b>17 0000 3230</b>	WTD 12-3	18,5	12	-	20	M10x25	7,5	50		4
	<b>17 0000 3280</b>	WTS 12-2	18,5	12	-	-	M10x25	7,5	50		1
<b>ab Ø 210mm / from Ø 210mm</b>											
HSL 210	<b>17 0000 4610</b>	WTD 14-2	24,5	14	-	25	M12x35	8,5	70		4
	<b>17 0000 8670</b>	WTS 14-3	24,5	14	-	-	M12x35	8,5	70		1
ROTA NC 210	<b>17 0000 4610</b>	WTD 14-2	24,5	14	-	25	M12x35	8,5	70		4
	<b>17 0000 8670</b>	WTS 14-3	24,5	14	-	-	M12x35	8,5	70		1
ROTA NC plus 215-66; ROTA NC plus 2 215-66; ROTA NCD 215-66	<b>17 0000 3240</b>	WTD 14-3	20,5	14	-	25	M12x30	8,5	70		4
	<b>17 0000 3290</b>	WTS 14-4	20,5	14	-	-	M12x30	8,5	70		1
ROTA NCF 210	<b>17 0000 4610</b>	WTD 14-2	24,5	14	-	25	M12x35	8,5	70		4
	<b>17 0000 8670</b>	WTS 14-3	24,5	14	-	-	M12x35	8,5	70		1
ROTA NCF plus 215-66; ROTA NCF plus 2 215-66; ROTA NCK 210; ROTA NCK plus 210-52	<b>17 0000 3240</b>	WTD 14-3	20,5	14	-	25	M12x30	8,5	70		4
	<b>17 0000 3290</b>	WTS 14-4	20,5	14	-	-	M12x30	8,5	70		1
<b>ab Ø 250mm / from Ø 250mm</b>											
HSL 250	<b>17 0000 4620</b>	WTD 16-1	24,5	16	-	30	M12x35	8,5	70		4
	<b>17 0000 8690</b>	WTS 16-1	24,5	16	-	-	M12x35	8,5	70		1
ROTA NC 250	<b>17 0000 4620</b>	WTD 16-1	24,5	16	-	30	M12x35	8,5	70		4
	<b>17 0000 8690</b>	WTS 16-1	24,5	16	-	-	M12x35	8,5	70		1
ROTA NC plus 260-86; ROTA NC plus 2 260-86; ROTA NCD 250-86; ROTA NCD 255-86	<b>17 0000 3250</b>	WTD 16-2	21,5	16	-	30	M12x30	8,5	70		4
	<b>17 0000 3300</b>	WTS 16-2	21,5	16	-	-	M12x30	8,5	70		1
ROTA NCF 250	<b>17 0000 4620</b>	WTD 16-1	24,5	16	-	30	M12x35	8,5	70		4
	<b>17 0000 8690</b>	WTS 16-1	24,5	16	-	-	M12x35	8,5	70		1
ROTA NCF plus 260-86; ROTA NCF plus 2 260-86; ROTA NCK 250; ROTA NCK plus 250-75	<b>17 0000 3250</b>	WTD 16-2	21,5	16	-	30	M12x30	8,5	70		4
	<b>17 0000 3300</b>	WTS 16-2	21,5	16	-	-	M12x30	8,5	70		1

**T-Nutensteine für Spannfutter / Metrische Verzahnung**

**Verzahnung 60°**

T-Nuts for chucks with metric serration

**Serration 60°**

Futtertyp/Chuck type	Index/Id.-No	Typ/Type	C	D	D1	E	Schrauben Screws	G	Max. Anzugsmoment Nm	
									Max. tightening torque Nm	Ausführung Version
<b>ab Ø 315mm / from Ø 315mm</b>										
HSL 315	<b>17 0000 5730</b>	WTD 18-2	27,5	18	-	30	M14x40	9,5	130	4
ROTA NC 315	<b>17 0000 4630</b>	WTD 18-1	33,5	18	-	30	M14x45	13,5	130	4
	<b>17 0000 4570</b>	WTS 18-1	33,5	18	-	-	M14x45	13,5	130	1
ROTA NC plus 315-104; ROTA NC plus 2 315-104; ROTA NCD 315-115	<b>17 0000 3260</b>	WTD 21-3	28	21	-	30	M16x40	11,5	150	4
	<b>17 0000 3310</b>	WTS 21-4	28	21	-	-	M16x40	11,5	150	1
ROTA NCF 315	<b>17 0000 4630</b>	WTD 18-1	33,5	18	-	30	M14x45	13,5	130	4
	<b>17 0000 4570</b>	WTS 18-1	33,5	18	-	-	M14x45	13,5	130	1
ROTA NCF plus 315-104; ROTA NCF plus 2 315-104; ROTA NCK 315; ROTA NCK plus 315-91	<b>17 0000 3260</b>	WTD 21-3	28	21	-	30	M16x40	11,5	150	4
	<b>17 0000 3310</b>	WTS 21-4	28	21	-	-	M16x40	11,5	150	1
<b>ab Ø 400mm / from Ø 400mm</b>										
HSL 400	<b>17 0000 4660</b>	WTD 22-1	45,5	22	24	43	M20x60	16,5	300	6
ROTA NC 400-120; ROTA NCF 400-120	<b>17 0000 4660</b>	WTD 22-1	45,5	22	24	43	M20x60	16,5	300	6

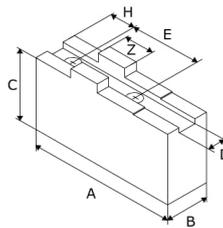
# Weiche Aufsatzbacken

## Soft top jaws

### Metrische Kreuzversatz

### Metric tongue and groove

Stahl / Steel



Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	Z
ROTA NCW 185; ROTA THW 165; ROTA THW plus 165-43; ROTA THW plus 185-52; ROTA-G 160; ROTA-S 160; ROTA-S plus 160-42; ROTA-S plus 2.0 160-42; THW 165-R; ROTA NCR 200 <sup>4)</sup>	<b>17 0000 2640</b>	MKS-RM 160-1	85	20	40	8	32	M8	18	18
ROTA NCW 225; ROTA NCWF 210; ROTA THW 210; ROTA THW plus 215-66; ROTA THW vario 215-62; ROTA THWB 210-52; ROTA-G 200-62; ROTA-S 200; ROTA-S plus 2.0 200-52; ROTA-S plus 200-52; THW 210-F; THW 210-R	<b>17 0000 2650</b>	MKS-RM 200-1	105	25	50	10	40	M8	25	20
ROTA NCW 265; ROTA NCW 315; ROTA NCWF 250; ROTA NCWF 315; ROTA THW 250; ROTA THW 265; ROTA THW 315; ROTA THW plus 260-81; ROTA THW plus 315-104; ROTA THWB 265-71; ROTA-G 250-82; ROTA-G 315-102; ROTA-S 250; ROTA-S plus 2.0 250-62; ROTA-S plus 250-62; THW 250-F; THW 250-R; THW 265-F; THW 265-R; THW 315-R	<b>17 0000 2660</b>	MKS-RM 250-5	125	30	60	12	40	M12	25	20
ROTA THW 400-120; ROTA THWB 315-86; ROTA-G 400; ROTA-S 315; ROTA-S plus 2.0 315-92; ROTA-S plus 315-92; THW 315-F; THW 400-F; THW 400-R	<b>17 0000 2670</b>	MKS-RM 315-1	140	35	60	12	54	M12	30	26
ROTA THW 500-128; ROTA THW 630-160; ROTA THW 800; ROTA THWB 400-120; ROTA THWB 500-128; ROTA-G 500; ROTA-S 400; ROTA-S 500; ROTA-S plus 400-102; ROTA-S plus 500-162; THW 500-F; THW 500-R; THW 630-R	<b>17 0000 2680</b>	MKS-RM 400-1	180	50	80	18	60	M16	35	30

4) Sechsenbackenfutter

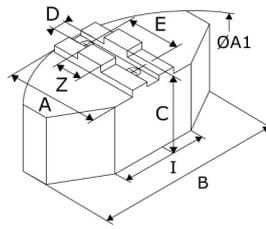
4) 6-jaw chuck – please order 2 sets per 3 pcs

# Segmentbacken

Soft full grip jaws

Metrische Kreuzversatz  
Metric tongue and groove

Stahl / Steel C45



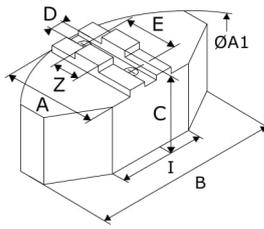
Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	Z	I	A1
ROTA NCW 185; ROTA THW 165; ROTA THW plus 165-43; ROTA THW plus 185-52; ROTA-G 160; ROTA-S 160; ROTA-S plus 160-42; ROTA-S plus 2.0 160-42; THW 165-R	<b>17 0000 2750</b>	GPS-RM 160-1	60	120	50	8	32	M8	16	18	40	160
ROTA NCW 225; ROTA NCWF 210; ROTA THW 210; ROTA THW plus 215-66; ROTA THW vario 215-62; ROTA THWB 210-52; ROTA-G 200-62; ROTA-S 200; ROTA-S plus 2.0 200-52; ROTA-S plus 200-52; THW 210-F; THW 210-R	<b>17 0000 2760</b>	GPS-RM 200-1	70	140	60	10	40	M8	17	20	65	200
ROTA NCW 265; ROTA NCW 315; ROTA NCWF 250; ROTA NCWF 315; ROTA THW 250; ROTA THW 265; ROTA THW 315; ROTA THW plus 260-81; ROTA THW plus 315-104; ROTA THWB 265-71; ROTA-G 250-82; ROTA-G 315-102; ROTA-S 250; ROTA-S plus 2.0 250-62; ROTA-S plus 250-62; THW 250-F; THW 250-R; THW 265-F; THW 265-R; THW 315-R	<b>17 0000 2770</b>	GPS-RM 250-1	90	180	60	12	40	M12	34	20	70	250
ROTA THW 400-120; ROTA THWB 315-86; ROTA-G 400; ROTA-S 315; ROTA-S plus 2.0 315-92; ROTA-S plus 315-92; THW 315-F; THW 400-F; THW 400-R	<b>17 0000 2780</b>	GPS-RM 315-1	110	240	75	12	54	M12	40	26	120	320
ROTA THW 500-128; ROTA THW 630-160; ROTA THW 800; ROTA THWB 400-120; ROTA THWB 500-128; ROTA-G 500; ROTA-S 400; ROTA-S 500; ROTA-S plus 400-102; ROTA-S plus 500-162; THW 500-F; THW 500-R; THW 630-R	<b>17 0000 2790</b>	GPS-RM 400-1	160	330	85	18	60	M16	80	30	150	440

# Segmentbacken

Soft full grip jaws

Metrische Kreuzversatz  
Metric tongue and groove

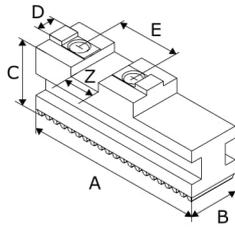
Aluminium / Aluminum



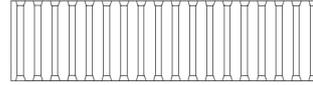
Futtertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	H	Z	I	A1
ROTA NCW 185; ROTA THW 165; ROTA THW plus 165-43; ROTA THW plus 185-52; ROTA-G 160; ROTA-S 160; ROTA-S plus 160-42; ROTA-S plus 2.0 160-42; THW 165-R	<b>17 0000 2800</b>	GPA-RM 160-1	60	120	50	8	32	M8	16	18	40	160
ROTA NCW 225; ROTA NCWF 210; ROTA THW 210; ROTA THW plus 215-66; ROTA THW vario 215-62; ROTA THWB 210-52; ROTA-G 200-62; ROTA-S 200; ROTA-S plus 2.0 200-52; ROTA-S plus 200-52; THW 210-F; THW 210-R	<b>17 0000 2810</b>	GPA-RM 200-1	70	140	60	10	40	M8	17	20	65	200
ROTA NCW 265; ROTA NCW 315; ROTA NCWF 250; ROTA NCWF 315; ROTA THW 250; ROTA THW 265; ROTA THW 315; ROTA THW plus 260-81; ROTA THW plus 315-104; ROTA THWB 265-71; ROTA-G 250-82; ROTA-G 315-102; ROTA-S 250; ROTA-S plus 2.0 250-62; ROTA-S plus 250-62; THW 250-F; THW 250-R; THW 265-F; THW 265-R; THW 315-R	<b>17 0000 2820</b>	GPA-RM 250-1	90	180	60	12	40	M12	34	20	70	250
ROTA THW 400-120; ROTA THWB 315-86; ROTA-G 400; ROTA-S 315; ROTA-S plus 2.0 315-92; ROTA-S plus 315-92; THW 315-F; THW 400-F; THW 400-R	<b>17 0000 2830</b>	GPA-RM 315-1	110	240	75	12	54	M12	40	26	120	320

# Grundbacken

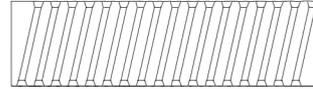
## Base jaws



### System Reishauer



### System Forkardt



Futkertyp/Chuck type	Index/Id.-No	Typ/Type	A	B	C	D	E	Schrauben Screws	Z	
<b>System Reishauer-Gerade Verzahnung / straight serration</b>										
ROTA NCW 185; ROTA THW 165; ROTA THW plus 165-43; ROTA THW plus 185-52; ROTA-G 160; THW 165-R	<b>17 0000 2850</b>	SPT-ZR 160-1	65	20	27,5	8	32	M8	18	
ROTA NCW 225; ROTA THW 210; ROTA THW plus 215-66; ROTA THW vario 215-62; ROTA-G 200-62; THW 210-R	<b>17 0000 2860</b>	SPT-ZR 200-1	85	22	29,5	10	40	M8	20	
ROTA NCW 265; ROTA THW 250; ROTA THW 265; ROTA THW plus 260-81; ROTA-G 250-82; THW 250-R; THW 265-R	<b>17 0000 2870</b>	SPT-ZR 250-1	104	26	37	12	40	M12	20	
ROTA NCW 315; ROTA THW 315; ROTA THW plus 315-104; ROTA-G 315-102; THW 315-R	<b>17 0000 2880</b>	SPT-ZR 315-1	115	32	43	12	40	M12	20	
ROTA THW 400-120; ROTA-G 400; THW 400-R	<b>17 0000 2890</b>	SPT-ZR 400-1	125	32	43	12	54	M12	26	
ROTA THW 500-128; ROTA-G 500; THW 500-R	<b>17 0000 2900</b>	SPT-ZR 500-1	160	45	57	18	60	M16	30	
ROTA THW 630-160; ROTA THW 800; THW 630-R	<b>17 0000 2910</b>	SPT-ZR 630-1	200	45	57	18	60	M16	30	
<b>System Forkardt-Schräge Verzahnung-angled serration</b>										
ROTA-S 160; ROTA-S plus 160-42; ROTA-S plus 2.0 160-42	<b>17 0000 2920</b>	SPT-ZF 160-1	74	20	27	8	32	M8x1	18	
ROTA NCWF 210; ROTA-S 200; ROTA-S plus 2.0 200-52; ROTA-S plus 200-52; THW 210-F	<b>17 0000 2930</b>	SPT-ZF 200-1	90	22	32	10	40	M8x1	20	
ROTA NCWF 250; ROTA NCWF 315; ROTA-S 250; ROTA-S plus 2.0 250-62; ROTA-S plus 250-62; THW 250-F; THW 265-F	<b>17 0000 2940</b>	SPT-ZF 250-1	110	26	37	12	40	M12x1,5	20	
ROTA-S 315; ROTA-S plus 2.0 315-92; ROTA-S plus 315-92; THW 315-F; THW 400-F	<b>17 0000 2950</b>	SPT-ZF 315-1	125	32	43	12	54	M12x1,5	26	
ROTA-S 400; ROTA-S 500; ROTA-S plus 400-102; ROTA-S plus 500-162; THW 500-F	<b>17 0000 2960</b>	SPT-ZF 400-1	160	45	51	18	60	M16x1,5	30	
ROTA-S 630; ROTA-S plus 630-252; ROTA-S plus 800-252; ROTA-S plus 1000-402	<b>17 0000 2970</b>	SPT-ZF 630-1	230	65	58	24	82	M20	40	

# ZUBEHÖR

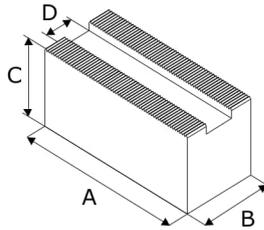
## ACCESSORIES

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# Verzahnte Stangen

## Serrated Bars

Stahl / Steel



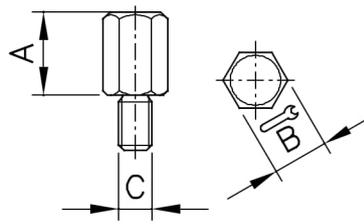
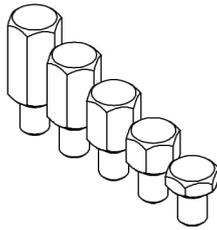
### Hersteller / Manufacturer

Verzahnung 1/16" x 90° / Serration 1/16" x 90°

Hersteller / Manufacturer	Index/Id.-No	Typ/Type	A	B	C	D
SMW-Autoblok; Berg; Bison; Forkardt; Röhm; Schunk	<b>17 0000 6110</b>	LKS-C 12-1	420	35	60	12
	<b>17 0000 6120</b>	LKS-C 14-1	420	35	60	14
	<b>17 0000 6130</b>	LKS-C 17-1	420	40	60	17
	<b>17 0000 6140</b>	LKS-C 17-2	420	40	100	17
	<b>17 0000 6150</b>	LKS-C 21-1	420	50	60	21
	<b>17 0000 5940</b>	LKS-C 21-2	420	50	80	21
	<b>17 0000 6160</b>	LKS-C 21-3	420	50	120	21
Verzahnung 1.5mm x 60° / Serration 1.5mm x 60°						
SMW-Autoblok; Autogrip; Bison; Howa; Kitagawa; MMK-Matsumoto; Röhm; Samchully; Schunk; Seoam; Strong; Tonfou	<b>17 0000 6170</b>	LKS-M 12-1	420	35	60	12
	<b>17 0000 6179</b>	LKS-M 14-1	420	35	60	14
	<b>17 0000 6180</b>	LKS-M 14-2	420	40	80	14
	<b>17 0000 6190</b>	LKS-M 14-3	420	60	60	14
	<b>17 0000 5829</b>	LKS-M 16-1	420	40	60	16
	<b>17 0000 5930</b>	LKS-M 16-2	420	40	80	16
	<b>17 0000 6200</b>	LKS-M 16-3	420	60	60	16
	<b>17 0000 5931</b>	LKS-M 16-4	420	40	100	16
	<b>17 0000 6209</b>	LKS-M 21-1	420	50	60	21
	<b>17 0000 6210</b>	LKS-M 21-2	420	50	80	21
	<b>17 0000 6211</b>	LKS-M 21-3	420	50	100	21
	<b>17 0000 6220</b>	LKS-M 21-4	420	60	120	21
	<b>17 0000 6247</b>	LKS-M 25,5-1	420	60	80	25,5
	<b>17 0000 6255</b>	LKS-M 25,5-2	420	60	120	25,5
Verzahnung 3 mm x 60° / Serration 3 mm x 60°						
SMW-Autoblok; Autogrip; Bison; Howa; Kitagawa; MMK-Matsumoto; Röhm; Samchully; Schunk; Seoam; Strong; Tonfou	<b>17 0000 6243</b>	LKS-M 25-1	420	60	80	25
	<b>17 0000 6245</b>	LKS-M 25-2	420	60	120	25

# Auflagebolzen

## Workpiece Stops

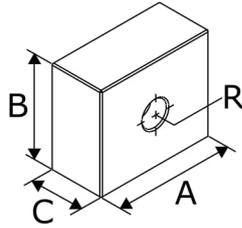


### Anwendung / Workpiece Stops

Anwendung / Workpiece Stops	Index/Id.-No	Typ/Type	A	B	C
Krallen- und Pendelbacken-Gewinde R=M5 Hard claw and pendulum jaws with thread R=M5	17 0000 7990	WS M5-5	5	8	M5
	17 0000 8000	WS M5-10	10	8	M5
	17 0000 8010	WS M5-15	15	8	M5
Krallen- und Pendelbacken-Gewinde R=M6 Hard claw and pendulum jaws with thread R=M6	17 0000 6770	WS M6-5	5	10	M6
	17 0000 6780	WS M6-10	10	10	M6
	17 0000 6790	WS M6-15	15	10	M6
	17 0000 6800	WS M6-20	20	10	M6
	17 0000 6810	WS M6-25	25	10	M6
Krallen- und Pendelbacken-Gewinde R=M8 Hard claw and pendulum jaws with thread R=M8	17 0000 6820	WS M8-5	5	13	M8
	17 0000 6830	WS M8-10	10	13	M8
	17 0000 6840	WS M8-15	15	13	M8
	17 0000 6850	WS M8-20	20	13	M8
	17 0000 6860	WS M8-25	25	13	M8
Krallen- und Pendelbacken-Gewinde R=M10 Hard claw and pendulum jaws with thread R=M10	17 0000 6870	WS M10-5	5	17	M10
	17 0000 6880	WS M10-10	10	17	M10
	17 0000 6890	WS M10-15	15	17	M10
	17 0000 6900	WS M10-20	20	17	M10
	17 0000 6910	WS M10-25	25	17	M10

# Weiche Spanneinsätze für Pendelbacken

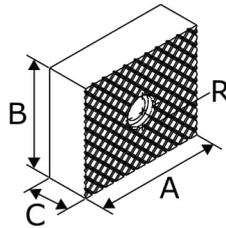
Soft clamping inserts for pendulum jaws



Anwendung / Workpiece Stops	Index/Id.-No	Typ/Type	A	B	C	R
SWT-C 200-1; SWT-M 200-1	<b>17 0001 3090</b>	WSM 200-1	16	25,5	15	M6
SWT-C 200-2; SWT-M 200-2	<b>17 0001 3100</b>	WSM 200-2	20	25,5	15	M6
SWT-C 200-3; SWT-C 200-4; SWT-M 200-3; SWT-M 200-4	<b>17 0001 3110</b>	WSM 200-3	25	25,5	15	M6
SWT-C 250-1; SWT-C 250-2; SWT-C 250-3; SWT-C 250-6; SWT-C 250-7; SWT-C 250-8; SWT-M 250-1; SWT-M 250-2; SWT-M 250-3	<b>17 0001 3120</b>	WSM 250-1	18	29,5	13	M6
SWT-C 250-4; SWT-C 250-5; SWT-C 250-9; SWT-C 250-10; SWT-M 250-4; SWT-M 250-5	<b>17 0001 3130</b>	WSM 250-2	30	29,5	15	M6
SWT-C 315-1; SWT-C 315-2; SWT-M 315-1; SWT-M 315-2; SWT-M 315-5; SWT-M 315-6	<b>17 0001 3140</b>	WSM 315-1	25	29,5	13	M6
SWT-C 315-3; SWT-C 315-4; SWT-M 315-3; SWT-M 315-4; SWT-M 315-7; SWT-M 315-8	<b>17 0001 3150</b>	WSM 315-2	35	29,5	15	M6
SWT-C 400-1	<b>17 0001 3160</b>	WSM 400-1	30	34,5	17	M8
SWT-C 400-2; SWT-C 400-3; SWT-C 400-4	<b>17 0001 3170</b>	WSM 400-2	40	34,5	19	M8

# Harte Spanneinsätze für Pendelbacken

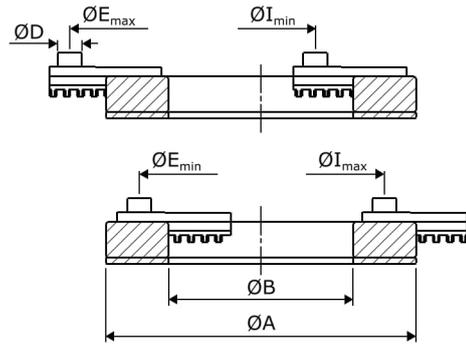
Hard clamping inserts for pendulum jaws



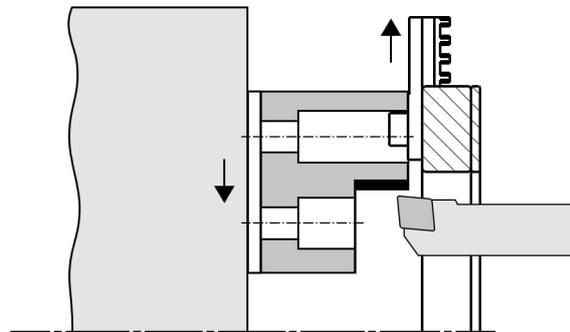
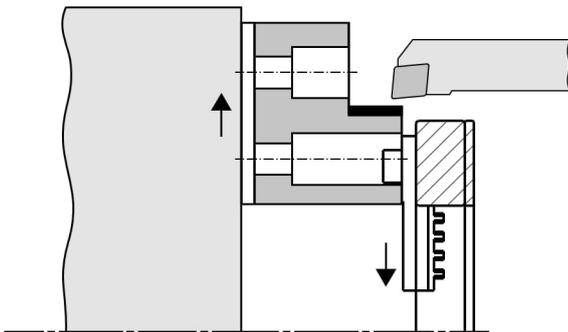
Anwendung / Workpiece Stops	Index/Id.-No	Typ/Type	A	B	C	R
SWT-C 200-1; SWT-M 200-1	<b>17 0001 2870</b>	WST 200-1	16	25,5	10	M6
	<b>17 0001 2880</b>	WST 200-2	16	25,5	13	M6
SWT-C 200-2; SWT-M 200-2	<b>17 0001 2890</b>	WST 200-3	20	25,5	10	M6
	<b>17 0001 2900</b>	WST 200-4	20	25,5	13	M6
SWT-C 200-3; SWT-C 200-4; SWT-M 200-3; SWT-M 200-4	<b>17 0001 2910</b>	WST 200-5	25	25,5	10	M6
	<b>17 0001 2920</b>	WST 200-6	25	25,5	13	M6
SWT-C 250-1; SWT-C 250-2; SWT-C 250-3; SWT-C 250-6; SWT-C 250-7; SWT-C 250-8; SWT-M 250-1; SWT-M 250-2; SWT-M 250-3	<b>17 0001 2930</b>	WST 250-1	18	29,5	13	M6
	<b>17 0001 2940</b>	WST 250-2	18	29,5	10	M6
SWT-C 250-4; SWT-C 250-5; SWT-C 250-9; SWT-C 250-10; SWT-M 250-4; SWT-M 250-5	<b>17 0001 2950</b>	WST 250-3	30	29,5	15	M6
	<b>17 0001 2960</b>	WST 250-4	30	29,5	12	M6
SWT-C 315-1; SWT-C 315-2; SWT-M 315-1; SWT-M 315-2; SWT-M 315-5; SWT-M 315-6	<b>17 0001 2970</b>	WST 315-1	25	29,5	13	M6
	<b>17 0001 2980</b>	WST 315-2	25	29,5	10	M6
SWT-C 315-3; SWT-C 315-4; SWT-M 315-3; SWT-M 315-4; SWT-M 315-7; SWT-M 315-8	<b>17 0001 2990</b>	WST 315-3	35	29,5	15	M6
	<b>17 0001 3000</b>	WST 315-4	35	29,5	12	M6
SWT-C 400-1	<b>17 0001 3010</b>	WST 400-1	30	34,5	17	M8
	<b>17 0001 3020</b>	WST 400-2	30	34,5	12	M8
SWT-C 400-2; SWT-C 400-3; SWT-C 400-4	<b>17 0001 3030</b>	WST 400-3	40	34,5	19	M8
	<b>17 0001 3040</b>	WST 400-4	40	34,5	14	M8

# Backen-Ausdrehvorrichtung

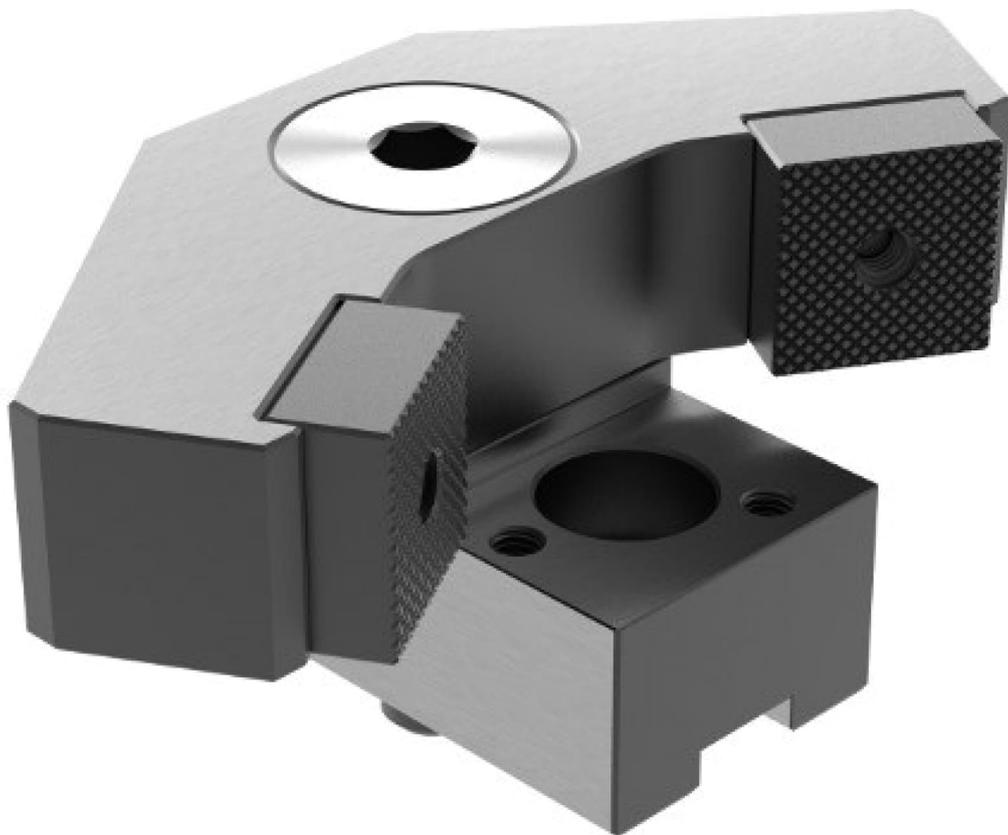
Jaw turning wheel



Anwendung Workpiece Stops	Index/Id.-No	Typ/Type	ØA	ØB	ØD	ØE <sub>min</sub>	ØE <sub>max</sub>	ØI <sub>min</sub>	ØI <sub>max</sub>	Max.Spannkraft Max. clamping force	Max. Drehzahl Max. RPM
Drehfutter 130-200mm For chucks 130-200mm	17 0000 6460	TWD 130-200	168	100	13	132	210	57	135	15 kN	800
Drehfutter 160-250mm For chucks 160-250mm	17 0000 6470	TWD 160-250	200	125	16	164	236	89	161	15 kN	700
Drehfutter 200-315mm For chucks 200-315mm	17 0000 6480	TWD 200-315	248	160	18	212	308	100	196	17,5 kN	600







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