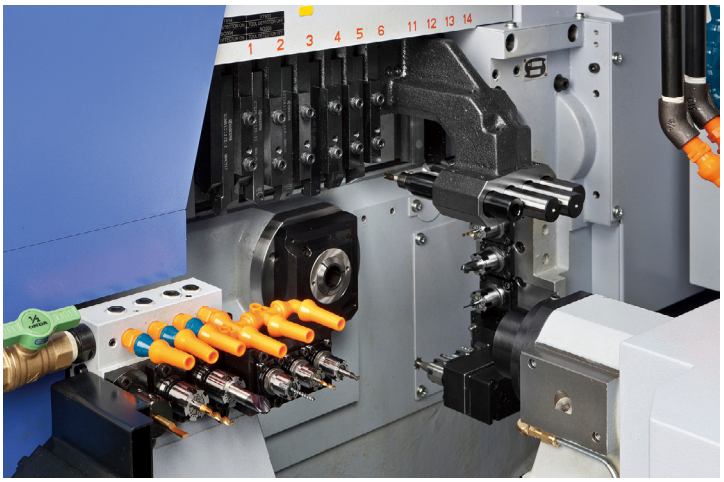
GenSwiss®

Advancing Small Parts Manufacturing

MULTIDEC® LUBE

Tool Plates with Integrated Coolant For Maximum Efficiency



UTILIS®

Tooling for High Technology

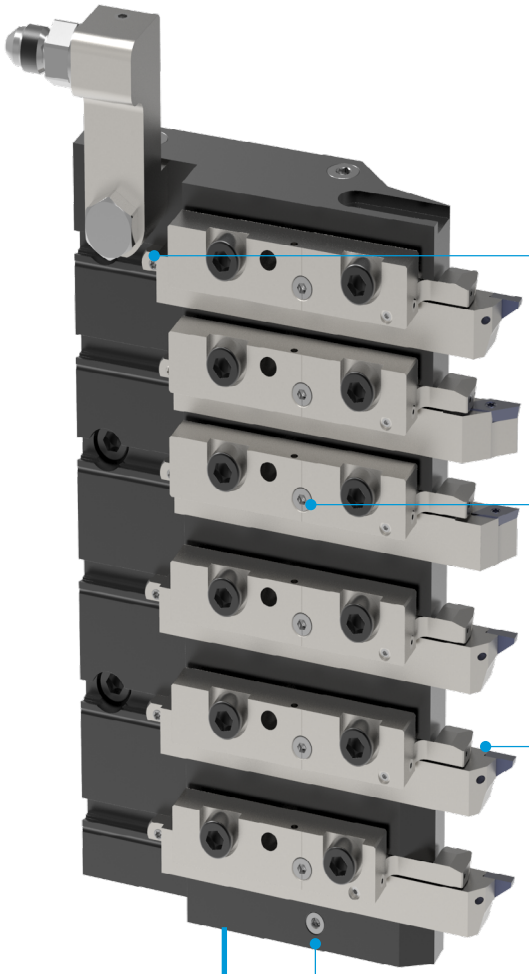
INCREASE THE PERFORMANCE OF YOUR MACHINE

CITIZEN star TORNOS

GenSwiss, 6 Old Stage Rd., Westfield, MA 01085 · www.GenSwiss.com · 413-562-4800 · sales@genswiss.com

multidec® LUBE Tool Plates & Wedges

multidec® LUBE Tool Plate with Integrated Coolant System (Complete)



Quick Change System

Quick and accurate tool change due to adjustable stops in the tool plate.

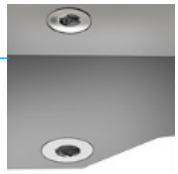
Flow Regulator on Coolant-thru Wedge

Targeted regulation of mould cooling with on/off function.

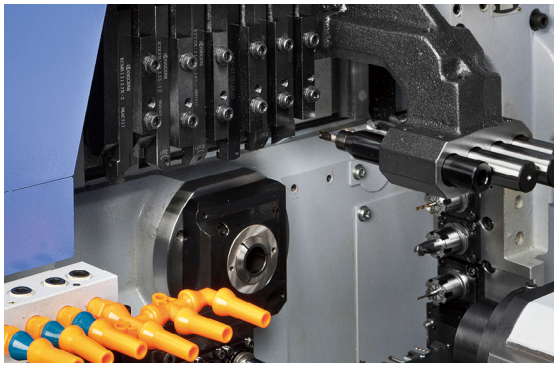
Tool Coolant Outlets on Clamping Wedge

Reduced tool wear due to focused cooling directly at the cutting edge. Integrated coolant system does not require external coolant connections.

Coolant Connections on Panel



A wide range of connection options ensures direct connection to the coolant unit.



Advantages

- Simple installation by replacing the original plate with the complete multidec® LUBE tool plate
- Increased process reliability
- Quick and safe replacement of the insert with integrated stop
- Tool holders without internal cooling (IC) can continue to be used
- No more coolant distributors and tubes required

Designation System for Tool Plates

MLU ST -01 - TPC-IC-6T

- 6T: Number of tool positions
- IC: with internal cooling
- TPC: Version
- 01: Code (in accordance with machine type)
- ST: Machine
- MLU: Product line

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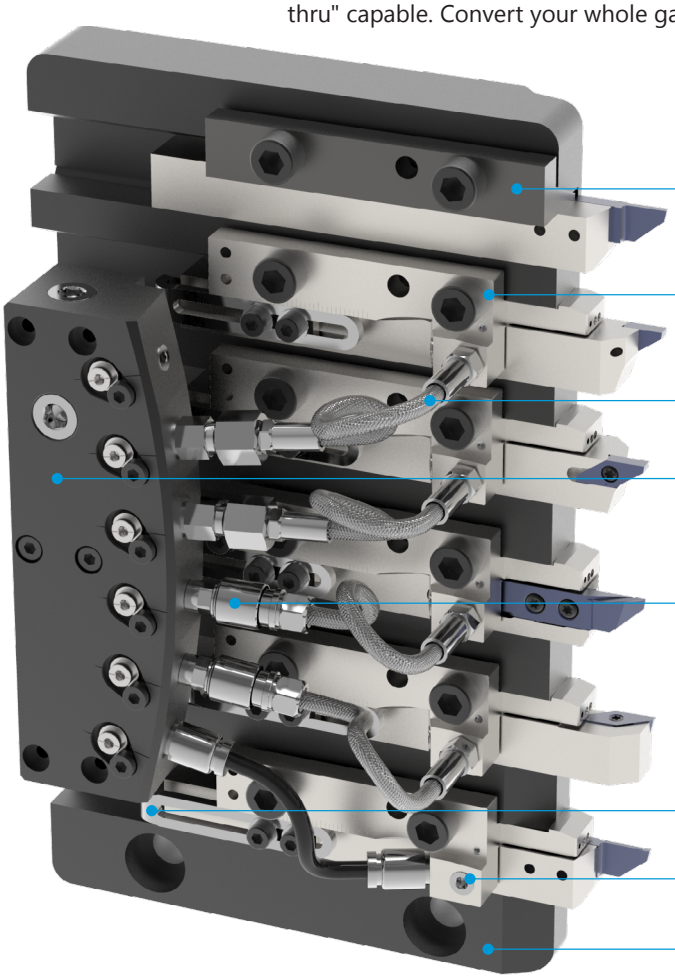
multidec® LUBE

Coolant-Thru Wedges for existing original tool plates

multidec® LUBE Integrated Coolant-Thru Wedge from UTILIS® are specifically engineered to work with standard square shank stick tooling thereby effectively making your entire tooling inventory "coolant-thru" capable. Convert your whole gang plate or just one tool station, the choice is yours.



CITIZEN

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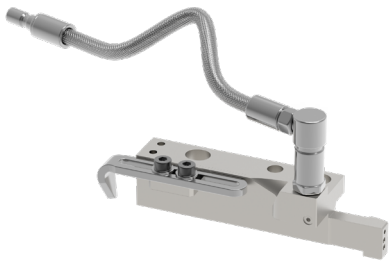
Advantages

- Simple installation through replacement of the original wedge with the multidec® LUBE coolant-thru wedge
- Increased process reliability
- Quick and reliable tool change with integrated stop
- Tool holders without internal cooling (IC) can continue to be used
- Different coolant distributors, tubes and push-in fittings for high and low pressure

Designation system for Coolant-Thru Wedges

MLU CI -12 - R-R IC -F

- F: fixed outlet of the coolant
- IC: with internal cooling
- R-R: Version for right-hand or left-hand holder
- 12: Code (in accordance with machine type)
- CI: Machine
- MLU: Product line



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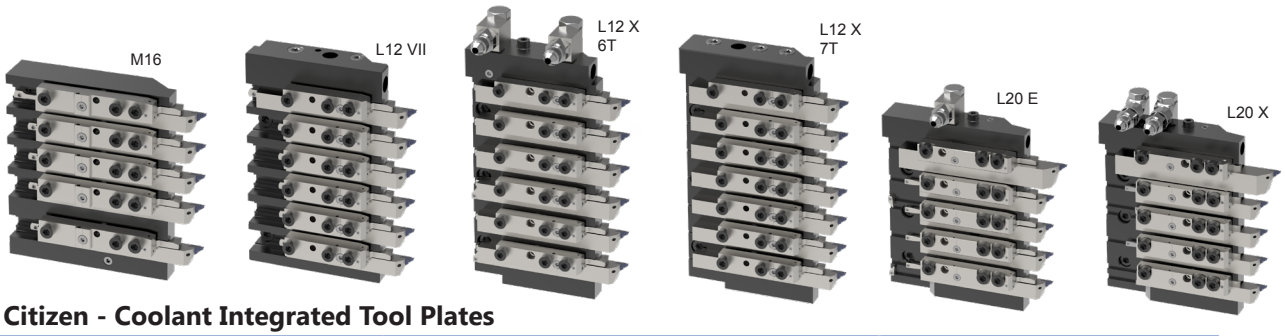
multidec® LUBE

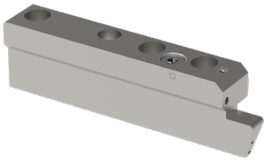


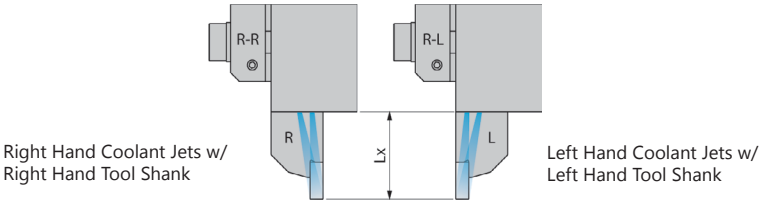
Citizen - Coolant Integrated Tool Plates

Machine Model	Pos.	Holder	Holder for Other Tool Positions	Cooling Circuits	Item No.	Description
L12 VII	6	10x10mm	10x10mm	1 2	7005-194302 7005-194900	MLU CI-03-TPC-IC-6T MLU CI-03-TPC-IC-6T-2K
L12 X	6	12x12mm	12x12mm	2	7005-280250	MLU CI-05-TPC-IC-6T-2K
	7	12x12mm	10x10mm	1 2 3*	7005-216140 7005-194907 7005-194316	MLU CI-21-TPC-IC-7T MLU CI-21-TPC-IC-7T-2K MLU CI-21-TPC-IC-7T-3K
L20	6	16x16mm	12x12mm	1	7005-213975	MLU CI-06-TPC-IC-6T
L20 E	5	16x16mm	12x12mm	1	7005-280095	MLU CI-04-TPC-IC-5T
L20 X	5	16x16mm	12x12mm	2	7005-215670	MLU CI-07-TPC-IC-5T-2K
M16	5	10x10mm	10x10mm	1 2	7005-194289 7005-194904	MLU CI-01-TPC-IC-5T MLU CI-01-TPC-IC-5T-2K

Includes: Tool plate, coolant-thru wedges with coolant control screw, tool stops, torque screwdriver and mounting screws

* Tool plate without stop pins





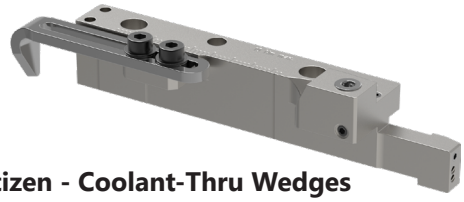
Citizen - Coolant-Thru Wedges

For Use with multidec LUBE Coolant Integrated Tool Plates or Replacing Original Coolant-thru Wedges

Tool Plate	Holder	Pos.	Lx*	Left Hand Item No.	Description	Right Hand Item No.	Description
L12 VII-6T	10x10mm	T1 -T6	20	7005-194305	MLU 03 R-L IC-F-02	7005-194304	MLU 03 R-R IC-F-02
L12 VII-6T-2K	10x10mm	T1-T6	20	7005-194305	MLU 03 R-L IC-F-02	7005-194304	MLU 03 R-R IC-F-02
L12 X-6T-2K	12x12mm	T1-T6	20	7005-194305	MLU 03 R-L IC-F-02	7005-194304	MLU 03 R-R IC-F-02
L12 X-7T	10x10mm 12x12mm	T2 - T7 T1 (cut-off)	20	7005-194305 7005-194909	MLU 03 R-L IC-F-02 MLU 03 R-L IC-F-03	7005-194323 7005-194323	MLU 03 R-R IC-F-02 MLU 03 R-R IC-F-03
L12 X-7T-2K	10x10mm 12x12mm	T2 - T7 T1 (cut-off)	20	7005-194305 7005-194909	MLU 03 R-L IC-F-02 MLU 03 R-L IC-F-03	7005-194304 7005-194323	MLU 03 R-R IC-F-02 MLU 03 R-R IC-F-03
L12 X-7T-3K	10x10mm 12x12mm	T2 - T7 T1 (cut-off)	20	7005-194305 7005-194909	MLU 03 R-L IC-F-02 MLU 03 R-L IC-F-03	7005-194304 7005-194323	MLU 03 R-R IC-F-02 MLU 03 R-R IC-F-03
L20-6T	12x12mm 16x16mm	T2 - T5 T1 (cut-off)	20 30	Call for Details	MLU 03 R-L IC-F-04 MLU 03 R-L IC-F-05	Call for Details	MLU 03 R-R IC-F-04 MLU 03 R-R IC-F-05
L20 E-5T	12x12mm 16x16mm	T2 - T5 T1 (cut-off)	20 30	Call for Details	MLU 03 R-L IC-F-04 MLU 03 R-L IC-F-05	Call for Details	MLU 03 R-R IC-F-04 MLU 03 R-R IC-F-05
L20 X-5T	12x12mm 16x16mm	T2 - T5 T1 (cut-off)	20 30	Call for Details	MLU 03 R-L IC-F-04 MLU 03 R-L IC-F-05	Call for Details	MLU 03 R-R IC-F-04 MLU 03 R-R IC-F-05
M16-5T	10x10mm	T1-T5	20	7005-194906	MLU 03 R-L IC-F-01	7005-194291	MLU 03 R-R IC-F-01
M16-5T-2K	10x10mm	T1-T5	20	7005-194906	MLU 03 R-L IC-F-01	7005-194291	MLU 03 R-R IC-F-01

** Lx: Recommended overhanging length of the tool for optimum impacting of the coolant on the cutting edge.*

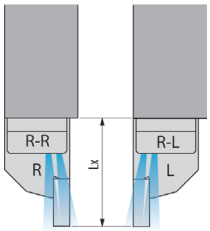
Attention: Tighten the multidec LUBE coolant-thru wedge using the torque screwdriver according to the marking on the shim.



Citizen - Coolant-Thru Wedges

For use with current Citizen Tool Plates or replacing original coolant-thru wedges

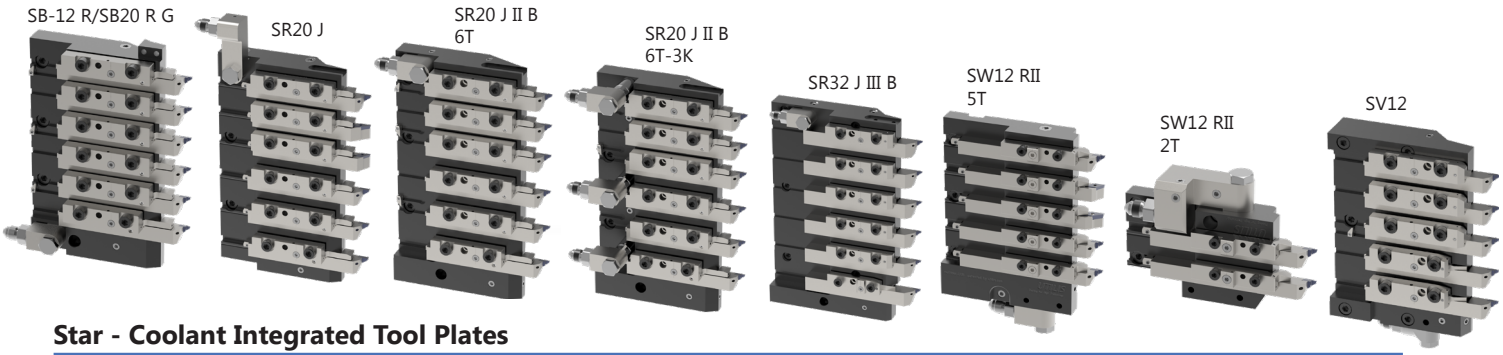
Right Hand Coolant Jets w/
Right Hand Tool Shank



Left Hand Coolant Jets w/
Left Hand Tool Shank

Machine Model	Tool Plates	Holders	Pos.	Lx*	Left Hand Item No.	Description	Right Hand Item No.	Description
A20	BTF1012	12x12mm	T1–T6	20	7005-117047	MLU CI-01 R-L IC-F	7005-117037	MLU CI-01 R-R IC-F
	BTF2413	12x12mm 1⁄2" (12.7)	T1–T6 T2–T5	30	7005-117121 7005-117082	MLU CI-05 R-L IC-F MLU CI-03 R-L IC-F	7005-117121 7005-117081	MLU CI-05 R-R IC-F MLU CI-03 R-R IC-F
	GTF3612	12x12mm 16x16mm 5⁄8"	T2–T5 T1 (cut-off)	20 25	7005-117047 7005-117135	MLU CI-01 R-L IC-F MLU CI-08 R-L IC-F	7005-117037 7005-117137	MLU CI-01 R-R IC-F MLU CI-08 R-R IC-F
A20L	BTF2212 BTF2213 BTF2412	12x12mm 1⁄2" (12.7) 12x12mm	T2–T5	20	7005-117047 7005-117082 7005-117047	MLU CI-01 R-L IC-F MLU CI-03 R-L IC-F MLU CI-01 R-L IC-F	7005-117037 7005-117081 7005-117037	MLU CI-01 R-R IC-F MLU CI-03 R-R IC-F MLU CI-01 R-R IC-F
A32		16x16mm 5⁄8"	T1–T6	25	7005-117135	MLU CI-08 R-L IC-F	7005-117137	MLU CI-08 R-R IC-F
C16	GTF6010	10x10mm	T1–T6	20	7005-117049	MLU CI-02 R-L IC-F	7005-117048	MLU CI-02 R-R IC-F
K12	BTF1012 GTF7010	12x12mm 10x10mm	T1–T6	20 17.5	7005-117049 7005-117157	MLU CI-02 R-L IC-F MLU CI-09 R-L IC-F	7005-117048 7005-117156	MLU CI-02 R-R IC-F MLU CI-09 R-R IC-F
K12 E	BTF1010	10x10mm	T1–T7	20	7005-117049	MLU CI-02 R-L IC-F	7005-117048	MLU CI-02 R-R IC-F
K16	BTF1010 BTF1012 GTF5110	10x10mm 12x12mm 10x10mm	T1–T7 T1–T6 T1–T5	20	7005-117049 7005-117047 7005-117049	MLU CI-02 R-L IC-F MLU CI-01 R-L IC-F MLU CI-02 R-L IC-F	7005-117048 7005-117037 7005-117048	MLU CI-02 R-R IC-F MLU CI-01 R-R IC-F MLU CI-02 R-R IC-F
K16 E	BTF1012	12x12mm	T1–T6	20	7005-117047	MLU CI-01 R-L IC-F	7005-117037	MLU CI-01 R-R IC-F
L12	GTF7010 GTF7010 L GTF7020	10x10mm 3⁄8" (9.525) 8×8mm	T1 – T6	17.5	7005-117157	MLU CI-09 R-L IC-F	7005-117156	MLU CI-09 R-R IC-F
					7005-117158	MLU CI-07 R-L IC-F	7005-117136	MLU CI-07 R-R IC-F
				13	7005-169570	MLU CI-10 R-L IC-F	Call for Details	MLU CI-10 R-R IC-F
L16	GTF3100	10x10mm	T1 – T4	20	7005-117177	MLU CI-14 R-L IC-F	7005-117179	MLU CI-14 R-R IC-F
L20	BTF2413	1⁄2" (12.7)	T2 – T5	20	7005-117082	MLU CI-03 R-L IC-F	7005-117081	MLU CI-03 R-R IC-F
	GTF3113		T2 – T6		7005-117082	MLU CI-03 R-L IC-F	7005-117081	MLU CI-03 R-R IC-F
	GTF3612	12x12mm 16x16mm 5⁄8"	T2 – T5 T1 (cut-off)	20	7005-117047	MLU CI-01 R-L IC-F	7005-117037	MLU CI-01 R-R IC-F
			T1 (cut-off)	25	7005-117135	MLU CI-08 R-L IC-F	7005-117137	MLU CI-08 R-R IC-F
	GTF3812	12x12mm	T1 – T6	20	7005-117047	MLU CI-01 R-L IC-F	7005-117037	MLU CI-01 R-R IC-F
L20E	GTF3612	12x12mm 16x16mm 5⁄8"	T2 – T5 T1 (cut-off)	20 25	7005-117047 7005-117135	MLU CI-01 R-L IC-F MLU CI-08 R-L IC-F	7005-117037 7005-117137	MLU CI-01 R-R IC-F MLU CI-08 R-R IC-F
	GTF3613	16x16mm 5⁄8"	T1 – T5	22	7005-194052	MLU CI-11 R-L IC-F	7005-194051	MLU CI-11 R-R IC-F
L20 X	BTF2413	1⁄2" (12.7) 16x16mm 5⁄8"	T2 – T5 T1 (cut-off)	20 25	7005-117082 7005-117135	MLU CI-03 R-L IC-F MLU CI-08 R-L IC-F	7005-117081 7005-117137	MLU CI-03 R-R IC-F MLU CI-08 R-R IC-F
	GTF3612	12x12mm 16x16mm 5⁄8 "	T2 – T5 T1 (cut-off)	20 25	7005-117047 7005-117135	MLU CI-01 R-L IC-F MLU CI-08 R-L IC-F	7005-117037 7005-117137	MLU CI-01 R-R IC-F MLU CI-08 R-R IC-F
L25	GTF4016	16x16mm 5⁄8"	T11 – T15	25	7005-117135	MLU CI-08 R-L IC-F	7005-117137	MLU CI-08 R-R IC-F
L32	GTF4016	16x16mm 5⁄8"	T11 – T15	25	7005-117135	MLU CI-08 R-L IC-F	7005-117137	MLU CI-08 R-R IC-F
L4-25	GTF4516	16x16mm 5⁄8"	T11 – T15	25	7005-117135	MLU CI-08 R-L IC-F	7005-117137	MLU CI-08 R-R IC-F
M16	BTF1012 GTF5110	12x12mm 10x10mm	T1 – T6 T1 – T5	20 20	7005-117047 7005-117049	MLU CI-01 R-L IC-F MLU CI-02 R-L IC-F	7005-117037 7005-117048	MLU CI-01 R-R IC-F MLU CI-02 R-R IC-F
M20	GTF2513	12x12mm	T1 – T5	30	7005-117121	MLU CI-05 R-L IC-F	7005-117121	MLU CI-05 R-R IC-F
M32	GTF5216 GFT5816	16x16mm 5⁄8"	T1–T5	25	7005-117135	MLU CI-08 R-L IC-F	7005-117137	MLU CI-08 R-R IC-F
M32 V	GTF5216L	16x16mm 5⁄8"	T1–T5	25	7005-117135	MLU CI-08 R-L IC-F	7005-117137	MLU CI-08 R-R IC-F
M416-V	GFT5210	10x10mm	T1–T5	25	7005-117049	MLU CI-02 R-L IC-F	7005-117048	MLU CI-02 R-R IC-F
M416-VII	GFT5210	10x10mm	T1–T5	20	7005-117049	MLU CI-02 R-L IC-F	7005-117048	MLU CI-02 R-R IC-F
M432-V	GTF5816	16x16mm 5⁄8"	T1–T5	25	7005-117135	MLU CI-08 R-L IC-F	7005-117137	MLU CI-08 R-R IC-F
M432-VII	GTF5816	16x16mm 5⁄8"	T1–T5	25	7005-117135	MLU CI-08 R-L IC-F	7005-117137	MLU CI-08 R-R IC-F
M432-VIII	GTF5816	16x16mm 5⁄8"	T1–T5	25	7005-117135	MLU CI-08 R-L IC-F	7005-117137	MLU CI-08 R-R IC-F
R07	QTF4308	8×8mm	T11–T12	13	7005-117197	MLU CI-12 R-L IC-F	7005-117196	MLU CI-12 R-R IC-F

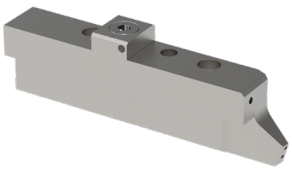
** Lx: Recommended overhanging length of the tool for optimum impacting of the coolant on the cutting edge.*

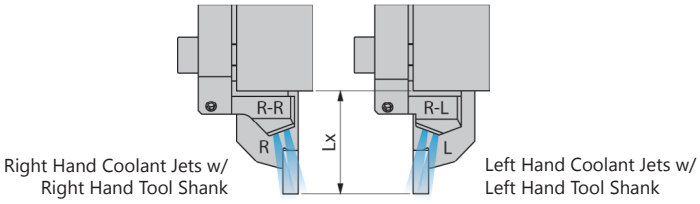


Star - Coolant Integrated Tool Plates

Machine Model	Tool Postions	Cut-off Position Holder	Holder for other Tool Positions	Number of Cooling Circuits	Item No.	Description
SB-12 R/SB20 R G	6	12×12mm	12x12mm	1 2	7005-194700 Call for Details	MLU ST-03-TPC-IC-6T MLU ST-03-TPC-IC-6T-2K
SR20 J	6	12×12mm	12×12mm	1	7005-194276	MLU ST-01-TPC-IC-6T
SR20 J II B	6	12x12mm	12x12mm	1 3	Call for Details	MLU ST-05-TPC-IC-6T MLU ST-05-TPC-IC-6T-3K
SR32 J III B	6	16x16mm 5⁄8"	16x16mm 5⁄8"	1 2	Call for Details	MLU ST-04-TPC-IC-6T MLU ST-04-TPC-IC-6T-2K
SW12 RII	5 2	10x10mm	10x10mm	1	7005-194310 7005-194312	MLU ST-02-TPC-IC-5T MLU ST-02-TPC-IC-2T
	5 2	12x12mm	12x12mm	2 1	7005-280272 Call for Details	MLU ST-02-TPC-IC-5T-2K-5x12 MLUST-02-TPC-IC-2T-2x12
SV12	5	12x12mm	12x12mm	1	Call for Details	MLU ST-06-TPC-IC-5T

Includes: Tool plate, coolant-thru wedges with coolant control screw, tool stops, torque screwdriver and mounting screws





Star - Coolant-Thru Wedges

For Use with multidec LUBE Coolant Integrated Tool Plates or Replacing Original Coolant-thru Wedges

Machine Model	Holders	Pos.	Lx*	Left Hand Item No.	Description	Right Hand Item No.	Description
SB12 R G-6T	12x12mm	T2-T6 T1 (cut-off)	22	7005-194308 7005-194309	MLU 02 R-L IC-F-01 MLU 02 R-L IC-F-02	7005-194277 7005-194278	MLU 02 R-R IC-F-01 MLU 02 R-R IC-F-02
SB12 R G-6T-2K	12x12mm	T2-T6 T1 (cut-off)	22	7005-194308 7005-194309	MLU 02 R-L IC-F-01 MLU 02 R-L IC-F-02	7005-194277 7005-194278	MLU 02 R-R IC-F-01 MLU 02 R-R IC-F-02
SB20 R G-6T	12x12mm	T2-T6 T1 (cut-off)	22	7005-194308 7005-194309	MLU 02 R-L IC-F-01 MLU 02 R-L IC-F-02	7005-194277 7005-194278	MLU 02 R-R IC-F-01 MLU 02 R-R IC-F-02
SB20 R G-6T-2K	12x12mm	T2 – T6 T1 (cut-off)	22	7005-194308 7005-194309	MLU 02 R-L IC-F-01 MLU 02 R-L IC-F-02	7005-194277 7005-194278	MLU 02 R-R IC-F-01 MLU 02 R-R IC-F-02
SR20 J-6T	12x12mm	T2 – T6 T1 (cut-off)	22	7005-194308 7005-194309	MLU 02 R-L IC-F-01 MLU 02 R-L IC-F-02	7005-194277 7005-194278	MLU 02 R-R IC-F-01 MLU 02 R-R IC-F-02
SR20 J II B-6T	12x12mm	T2 – T6 T1 (cut-off)	25	7005-194308 7005-194309	MLU 02 R-L IC-F-01 MLU 02 R-L IC-F-02	7005-194277 7005-194278	MLU 02 R-R IC-F-01 MLU 02 R-R IC-F-02
SR20 J II B-6T-3K	12x12mm	T2 - T6 T1 (cut-off)	25	7005-194308 7005-194309	MLU 02 R-L IC-F-01 MLU 02 R-L IC-F-02	7005-194277 7005-194278	MLU 02 R-R IC-F-01 MLU 02 R-R IC-F-02
SR32 J III B-6T	16x16mm	T2 – T6 T1 (cut-off)	25	Call for Details Call for Details	MLU 02 R-L IC-F-03 MLU 02 R-L IC-F-04	Call for Details Call for Details	MLU 02 R-R IC-F-03 MLU 02 R-R IC-F-04
SR32 J III B-6T-2K	16x16mm	T2 - T6 T1 (cut-off)	25	Call for Details Call for Details	MLU 02 R-L IC-F-03 MLU 02 R-L IC-F-04	Call for Details Call for Details	MLU 02 R-R IC-F-03 MLU 02 R-R IC-F-04
SV12-5T	12x12mm	T3–T5	22	7005-194308	MLU 06 R-L IC-F-01	7005-194277	MLU 06 R-R IC-F-01
		T1–T2		7005-280284	MLU 06 R-L IC-F-02	7005-194278	MLU 06 R-R IC-F-02
SW12 RII-2T	10x10mm	T1–T2	20	Call for Details	MLU 01 R-L IC-F-05	7005-194285	MLU 01 R-R IC-F-05
SW12 RII-5T	10x10mm	T1–T5	20	Call for Details	MLU 01 R-L IC-F-05	7005-194285	MLU 01 R-R IC-F-05
SW12 RII-2T	12x12mm	T1–T2	20	Call for Details	MLU 02 R-L IC-F-06	Call for Details	MLU 02 R-R IC-F-06
SW12 RII-5T	12x12mm	T1–T5	20	Call for Details	MLU 02 R-L IC-F-06	Call for Details	MLU 02 R-R IC-F-06

** Lx: Recommended overhanging length of the tool for optimum impacting of the coolant on the cutting edge.*

multidec® LUBE

Star - Coolant-Thru Wedges

For use with current Star Tool Plates or replacing original coolant-thru wedges

Machine Model	Tool Plates	Holders	Pos.	Lx*	Left Hand Item No.	Description	Right Hand Item No.	Description
SB-12 R	0M103-00	12x12mm	T1–T6	22	7005-117135	MLU ST-16 R-L IC-F	7005-117137	MLU ST-16 R-R IC-F
SB-12 R Type G	0M104.010	10x10mm	T2-T6 T1 (cut-off)	20	7005-154131 7005-216106	MLU ST-14 R-L IC-F MLU ST-21 R-L IC-F	7005-154130 7005-194484	MLU ST-14 R-R IC-F MLU ST-21 R-R IC-F
SB-16	481-02	12x12mm	T2 – T6 T1 (cut-off)	20	7005-150451 7005-150452	MLU ST-07 R-L IC-F MLU ST-08 R-L IC-F	7005-150448 7005-150449	MLU ST-07 R-R IC-F MLU ST-08 R-R IC-F
SB-20 R	0M101	12x12mm	T2-T6 T1 (cut-off)	20	7005-150451 7005-150452	MLU ST-07 R-L IC-F MLU ST-08 R-L IC-F	7005-150448 7005-150449	MLU ST-07 R-R IC-F MLU ST-08 R-R IC-F
SR-10 J	22-0100629-00 691-01	8×8mm	T1 – T6	20	7005-117056	MLU ST-01 R-L IC-F	7005-117055	MLU ST-01 R-R IC-F
SR-16 R	541-01	12x12mm	T1–T6	20	7005-150451	MLU ST-07 R-L IC-F	7005-150448	MLU ST-07 R-R IC-F
SR-20 J	0E0-62	12x12mm	T2 – T6 T1 (cut-off)	20	7005-150451 7005-150451	MLU ST-07 R-L IC-F MLU ST-07 R-L IC-F	7005-150448 7005-150449	MLU ST-07 R-R IC-F MLU ST-08 R-R IC-F
	22-0100679-00		T2 – T6 T1 (cut-off)		7005-150451 7005-150452	MLU ST-07 R-L IC-F MLU ST-08 R-L IC-F	7005-150448 7005-150449	MLU ST-07 R-R IC-F MLU ST-08 R-R IC-F
	22-0100712-00		T2 – T6 T1 (cut-off)		7005-150451 7005-150452	MLU ST-07 R-L IC-F MLU ST-08 R-L IC-F	7005-150448 7005-150449	MLU ST-07 R-R IC-F MLU ST-08 R-R IC-F
SR-20 J TYPE C	22-0100679-00 22-0100712-00	12x12mm	T2 – T6	20	7005-150451	MLU ST-07 R-L IC-F	7005-150448	MLU ST-07 R-R IC-F
SR-20 RII	541-01	12x12mm	T1–T6	20	7005-150451	MLU ST-07 R-L IC-F	7005-150448	MLU ST-07 R-R IC-F
SR-20 RIII	680-62	12x12mm	T2–T6	20	7005-150451	MLU ST-07 R-L IC-F	7005-150448	MLU ST-07 R-R IC-F
SR-20 RIV	0W0-62	12x12mm	T2 – T5, T11 – T12 T1 (cut-off)	20	7005-150451 7005-150450	MLU ST-07 R-L IC-F MLU ST-09 R-L IC-F	7005-150448 7005-150447	MLU ST-07 R-R IC-F MLU ST-09 R-R IC-F
	22-0101068-00		T2 – T5, T11 – T12 T1 (cut-off)		7005-150451 7005-150450	MLU ST-07 R-L IC-F MLU ST-09 R-L IC-F	7005-150448 7005-150447	MLU ST-07 R-R IC-F MLU ST-09 R-R IC-F
SR-32 J	670-62	16x16mm	T2 – T6 T1 cut-off)	25	7005-150287 7005-117172	MLU ST-03 R-L IC-F MLU ST-02 R-L IC-F	7005-150286 7005-117171	MLU ST-03 R-R IC-F MLU ST-02 R-R IC-F
SV-12	22-0100181-01	12x12mm	T3 – T5 T1 – T2 (cut-off)	20	7005-150271 7005-150272	MLU ST-10 R-L IC-F MLU ST-11 R-L IC-F	7005-150268 7005-150269	MLU ST-10 R-R IC-F MLU ST-11 R-R IC-F
		1⁄2" (12.7)	T3 – T5 T1 – T2 (cut-off)		7005-150271 7005-150272	MLU ST-10 R-L IC-F MLU ST-11 R-L IC-F	7005-150268 7005-150269	MLU ST-10 R-R IC-F MLU ST-11 R-R IC-F
	24-0002928-03	12×12mm	T3 – T5 T1 – T2 (cut-off)		7005-150271 7005-150272	MLU ST-10 R-L IC-F MLU ST-11 R-L IC-F	7005-150268 7005-150269	MLU ST-10 R-R IC-F MLU ST-11 R-R IC-F
		1⁄2" (12.7)	T3 – T5 T1 – T2 (cut-off)		7005-150271 7005-150272	MLU ST-10 R-L IC-F MLU ST-11 R-L IC-F	7005-150268 7005-150269	MLU ST-10 R-R IC-F MLU ST-11 R-R IC-F
	421-01	12×12mm	T3 – T5 T1 – T2 (cut-off)		7005-150271 7005-150272	MLU ST-10 R-L IC-F MLU ST-11 R-L IC-F	7005-150268 7005-150269	MLU ST-10 R-R IC-F MLU ST-11 R-R IC-F
		1⁄2" (12.7)	T3 – T5 T1 – T2 (cut-off)		7005-150271 7005-150272	MLU ST-10 R-L IC-F MLU ST-11 R-L IC-F	7005-150268 7005-150269	MLU ST-10 R-R IC-F MLU ST-11 R-R IC-F
SV-20	22-0100181-01	12x12mm	T3 – T5 T1 – T2 (cut-off)	22	7005-150271 7005-150272	MLU ST-10 R-L IC-F MLU ST-11 R-L IC-F	7005-150268 7005-150269	MLU ST-10 R-R IC-F MLU ST-11 R-R IC-F
		1⁄2" (12.7)	T3 – T5 T1 – T2 (cut-off)		7005-150271 7005-150272	MLU ST-10 R-L IC-F MLU ST-11 R-L IC-F	7005-150268 7005-150269	MLU ST-10 R-R IC-F MLU ST-11 R-R IC-F
	24-0002928-03	12x12mm	T3-T5 T1 – T2 (cut-off)		7005-150271 7005-150272	MLU ST-10 R-L IC-F MLU ST-11 R-L IC-F	7005-150268 7005-150269	MLU ST-10 R-R IC-F MLU ST-11 R-R IC-F
		1⁄2" (12.7)	T3-T5 T1 – T2 (cut-off)		7005-150271 7005-150272	MLU ST-10 R-L IC-F MLU ST-11 R-L IC-F	7005-150268 7005-150269	MLU ST-10 R-R IC-F MLU ST-11 R-R IC-F
	421-01	12 × 12	T3-T5 T1 – T2 (cut-off)		7005-150271 7005-150272	MLU ST-10 R-L IC-F MLU ST-10 R-L IC-F	7005-150268 7005-150269	MLU ST-10 R-R IC-F MLU ST-11 R-R IC-F
		1⁄2" (12.7)	T3 – T5 T1 – T2 (cut-off)		7005-150271 7005-150272	MLU ST-10 R-L IC-F MLU ST-11 R-L IC-F	7005-150268 7005-150269	MLU ST-10 R-R IC-F MLU ST-11 R-R IC-F
SV-20 R	T100	12x12mm	T1 – T7	22	7005-154240	MLU ST-15 R-L IC-F	7005-154239	MLU ST-15 R-R IC-F
SV-32	421-04.010	16x16mm	T2 – T4 T1 (cut-off)	25	7005-150293 7005-150289	MLU ST-13 R-L IC-F MLU ST-12 R-L IC-F	7005-150292 7005-150288	MLU ST-13 R-R IC-F MLU ST-12 R-R IC-F
SV-32 J	421-04.010	16 × 16	T2 – T4 T1 (cut-off)		7005-150293 7005-150289	MLU ST-13 R-L IC-F MLU ST-12 R-L IC-F	7005-150292 7005-150288	MLU ST-13 R-R IC-F MLU ST-12 R-R IC-F
SW-12 RII	0M104.010	10x10mm	T2 – T6 T1 (cut-off)	20	7005-154131 7005-216106	MLU ST-14 R-L IC-F MLU ST-21 R-L IC-F	7005-154130 7005-194484	MLU ST-14 R-R IC-F MLU ST-21 R-R IC-F
SW-20	571-01	12x12mm	T11-T12	20	7005-150451	MLU ST-07 R-L IC-F	7005-150448	MLU ST-07 R-R IC-F
	571-03		T2-T4 T1 (cut-off)					

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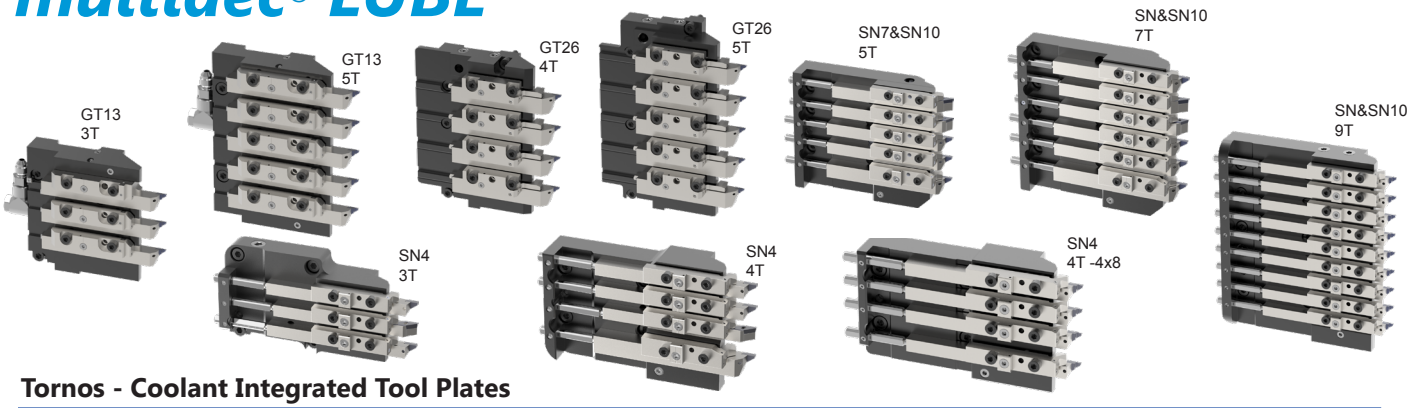
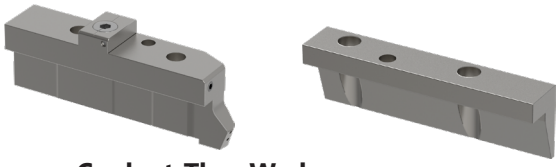
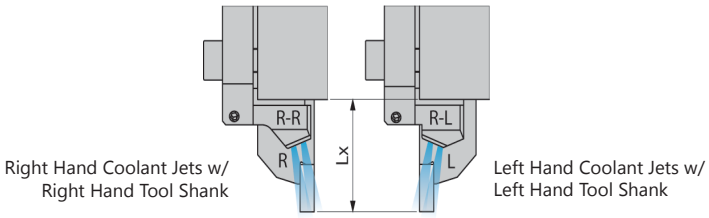


Tornos - Coolant Integrated Tool Plates

Machine Model	Tool Postions	Cut-off Position Holder	Holder for other Tool Positions	Number of Cooling Circuits	Item No.	Description
GT13	3 5	12x12mm	12x12mm	1	7005-213970 7005-215435	MLU TO-03-TPC-IC-3T MLU TO-03-TPC-IC-5T
GT26	4 5	16x16mm	16x16mm	1	7005-194319 7005-194317	MLU TO-01-TPC-IC-4T MLU TO-01-TPC-IC-5T
SN7	5* 6	12x12mm	10x10mm	1	7005-194300 7005-194019 7005-215752	MLU TO-SN-TPC-IC-5T* MLU TO-SN-TPC-IC-6T MLU TO-SN7-10-TPC-IC-7T
	7	8x8mm	8x8mm	2		
SN10	7 9	8x8mm	8x8mm	2	Call for Details 7005-194327	MLUTO-SN-TPC-IC-7T-7x8-2K MLU TO-SN-TPC-IC-9T-9x8-2K
SN4	3	8x8mm	8x8mm	1	7005-152764	MLU TO-SN-TPC-IC-3T
	4	12x12mm 8x8mm			7005-152763 Call for Details	MLU TO-SN-TPC-IC-4T MLUTO-SN-TPC-IC-4T-4x8

Includes: Tool plate, coolant-thru wedges with coolant control screw, tool stops, torque screwdriver and mounting screws



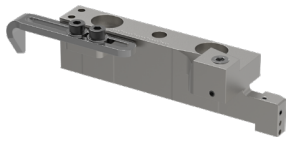


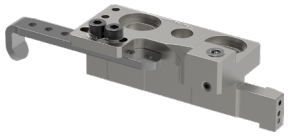
Tornos- Coolant-Thru Wedges

For Use with multidec LUBE Coolant Integrated Tool Plates or Replacing Original Coolant-thru Wedges

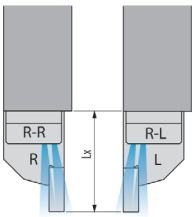
Tool Plates	Holders	Positions	Lx*	Left Hand Item No.	Description	Right Hand Item No.	Description
GT13-3T	12x12mm	T211-T212 T210	20	Call for Details 7005-215446	MLU 01 R-L IC-F-12 MLU 01 R-L IC-F-13	7005-215433 7005-215447	MLU 01 R-R IC-F-12 MLU 01 R-R IC-F-13
GT13-5T	12x12mm	T120-T124	20	Call for Details	MLU 01 R-L IC-F-12	7005-215433	MLU 01 R-R IC-F-12
GT26-4T	16x16mm	T1-T4	25	Call for Details	MLU 01 R-L IC-F-10	7005-194321	MLU 01 R-R IC-F-10
GT26-5T	16x16mm	T1-T5	25	Call for Details	MLU 01 R-L IC-F-10	7005-194321	MLU 01 R-R IC-F-10
SN7-5T SN10-5T	10x10mm	T2-T5	15	7005-194286	MLU 01 R-L IC-F-02	7005-152586	MLU 01 R-R IC-F-02
			20			7005-194285	MLU 01 R-R IC-F-05
			25			7005-194161	MLU 01 R-R IC-F-08
			30			7005-194288	MLU 01 R-R IC-F-09
	12x12mm	T1 (cut-off)	15	7005-194287	MLU 01 R-L IC-F-01	7005-152587	MLU 01 R-R IC-F-01
			25			7005-194284	MLU 01 R-R IC-F-04
SN7-6T SN10-6T	10x10mm	T2-T6	15			7005-152586	MLU 01 R-R IC-F-02
			20			7005-194285	MLU 01 R-R IC-F-05
			25			7005-194161	MLU 01 R-R IC-F-08
			30			7005-194288	MLU 01 R-R IC-F-09
	12x12mm	T1 (cut-off)	15	7005-194287	MLU 01 R-L IC-F-01	7005-152587	MLU 01 R-R IC-F-01
			25			7005-194284	MLU 01 R-R IC-F-04
SN7-7T SN10-7T	8x8mm 12x12mm	T2-T7 T1 (cut-off)	15	7005-216127 7005-216128	MLU 01 R-L IC-F-15 MLU 01 R-L IC-F-16	7005-194285 7005-216129	MLU 01 R-R IC-F-15 MLU 01 R-R IC-F-16
SN7-7T-2K / SN10-7T-2K	8x8mm	T1-T7	15			7005-152771	MLU 01 R-R IC-F-03
SN7-9T / SN10-9T	8x8mm	T1-T9	15			7005-152771	MLU 01 R-R IC-F-03
SN4-3T	8x8mm	T1 - T3	15			7005-152771	MLU 01 R-R IC-F-03
SN4-4T	8x8mm	T2 - T4	15			7005-152771	MLU 01 R-R IC-F-03
	12x12mm	T1 (cut-off)	25	7005-194287	MLU 01 R-L IC-F-01	7005-152587	MLU 01 R-R IC-F-01
						7005-194284	MLU 01 R-R IC-F-04

** Lx: Recommended overhanging length of the tool for optimum impacting of the coolant on the cutting edge.*





Right Hand Coolant Jets w/
Right Hand Tool Shank



Left Hand Coolant Jets w/
Left Hand Tool Shank

Tornos- Coolant-Thru Wedges

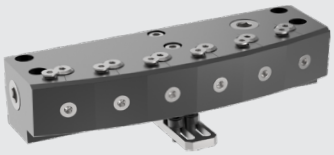
For use with current Tornos Tool Plates or replacing original coolant-thru wedges

Machine Model	Tool Plates	Holders	Positions	Lx*	Left Hand Item No.	Description	Right Hand Item No.	Description
CT20 / 5	2000118	12x12mm	T1–T6	20	7005-152988	MLU TO-05 R-L IC-F	7005-152987	MLU TO-05 R-R IC-F
DT13	390223 390224	12x12mm	T2–T5 T1 (cut-off)	20	7005-169576 7005-169578	MLU TO-06 R-L IC-F MLU TO-07 R-L IC-F	7005-169575 7005-169577	MLU TO-06 R-R IC-F MLU TO-07 R-R IC-F
Gamma 20/6		16x16mm	T1 (cut-off)	30			7005-199820	MLU TO-10 R-R IC-F
GT13	390223 390224	12x12mm	T2 – T5 T1 (cut-off)	20	7005-169576 7005-169578	MLU TO-06 R-L IC-F MLU TO-07 R-L IC-F	7005-169575 7005-169577	MLU TO-06 R-R IC-F MLU TO-07 R-R IC-F
Swiss GT26	386209 386210	16x16mm	T1 – T5 T2 – T4 T1 (cut-off)	22.5 20	7005-192196 Call for Details Call for Details	MLU TO-04 R-L IC-F MLU TO-03 R-L IC-F MLU TO-02 R-L IC-F	7005-150807 7005-150808 7005-150806	MLU TO-04 R-R IC-F MLU TO-03 R-R IC-F MLU TO-02 R-R IC-F
Swiss GT32		16x16mm	T110 – T114	22.5	7005-192196	MLU TO-04 R-L IC-F	7005-150807	MLU TO-04 R-R IC-F
Swiss ST26	398577	12x12mm	T2 – T5	22	7005-153963	MLU TO-09 R-L IC-F	7005-153962	MLU TO-09 R-R IC-F
			T1		7005-153961	MLU TO-08 R-L IC-F	7005-154253	MLU TO-08 R-R IC-F
	398585		T1 – T3					
	398595		T1 – T2					
BH20		12x12mm	T2 – T4 T1 (cut-off)	20 -	7005-117161	MLU TS-02 R-L IC-F MLU TS-04 R-L IC-F	7005-117130 7005-117167	MLU TS-02 R-R IC-F MLU TS-04 R-R IC-F
BH20Z		12x12mm	T2-T4 T1(cut off)	20 -	7005-117168 7005-117161	MLU TS-02 R-L IC-F MLU TS-04 R-L IC-F	7005-117130 7005-117167	MLU TS-02 R-R IC-F MLU TS-04 R-R IC-F
BO123 E	Plate 1	12x12mm	T 1 – T6	20	7005-117168	MLU TS-02 R-L IC-F	7005-117130	MLU TS-02 R-R IC-F
BO124 E	Plate 1	12x12mm	T1-T6	20	7005-117161	MLU TS-02 R-L IC-F	7005-117130	MLU TS-02 R-R IC-F
BO125 E	Plate 1	12x12mm	T1-T6	20	7005-117161	MLU TS-02 R-L IC-F	7005-117130	MLU TS-02 R-R IC-F
BO126 E II	Plate 1	12 × 12	T1 – T6	20	7005-117161	MLU TS-02 R-L IC-F	7005-117130	MLU TS-02 R-R IC-F
BO203	Plate 1	12x12mm	T1-T6	20	7005-117161	MLU TS-02 R-L IC-F	7005-117130	MLU TS-02 R-R IC-F
BO204 E	Plate 1	12x12mm	T1-T6	20	7005-117161	MLU TS-02 R-L IC-F	7005-117130	MLU TS-02 R-R IC-F
BO205 E	Plate 1	12x12mm	T1-T6	20	7005-117161	MLU TS-02 R-L IC-F	7005-117130	MLU TS-02 R-R IC-F
BO326 E II		16x16mm		20	7005-117161	MLU TS-02 R-L IC-F	7005-117130	MLU TS-02 R-R IC-F
BS20 S-V	Plate 1	12x12mm	T4-T5	20	7005-117161	MLU TS-02 R-L IC-F	7005-117130	MLU TS-02 R-R IC-F
	Plate 2		T11-T16		7005-117161			
BW208 E III				20	7005-117161	MLU TS-02 R-L IC-F	7005-117130	MLU TS-02 R-R IC-F
HS207	Plate 1	12x12mm	T4-T8	20	Call for Details	MLU TS-01 R-L IC-F	7005-117127	MLU TS-01 R-R IC-F
HS267		16x16mm		20	7005-117161	MLU TS-02 R-L IC-F	7005-117130	MLU TS-02 R-R IC-F
HS327		16x16mm	T1-T5	30	7005-117201	MLU TS-06 R-L IC-F	7005-117200	MLU TS-06 R-R IC-F
S205	Plate 1 Plate 2	12x12mm	T4-T8 T18-T20	20	7005-117161	MLU TS-02 R-L IC-F	7005-117130	MLU TS-02 R-R IC-F
S206	Plate 1 Plate 2	12x12mm	T4 – T8 T18 – T20	20	Call for Details	MLU TS-01 R-L IC-F	7005-117127	MLU TS-01 R-R IC-F
S206 E		12x12mm		20	7005-117161	MLU TS-02 R-L IC-F	7005-117130	MLU TS-02 R-R IC-F
SS207	Plate 1 Plate 2	12x12mm	T4 – T8 T18 – T20	20	Call for Details	MLU TS-01 R-L IC-F	7005-117127	MLU TS-01 R-R IC-F
		1⁄2" (12.7)	T4 – T8		Call for Details	MLUTS-11 R-L IC-F	7005-154832	MLU TS-11 R-R IC-F
SS207-5AX	Plate 1 Plate 2	12x12mm	T4 – T8 T18 – T20	20	Call for Details	MLU TS-01 R-L IC-F	7005-117127	MLU TS-01 R-R IC-F

** Lx: Recommended overhanging length of the tool for optimum impacting of the coolant on the cutting edge.*

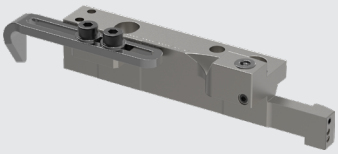
Connecting Options - Straight — High Pressure

MLU KV...



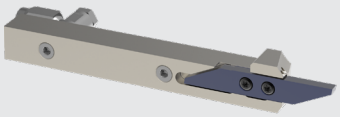
M5	MSP UCF...		NM	MSP UHPT...
M5	MSP EVRA...	M5 MSP UICF...	NM	MSP UHPT...

MLU...IC...



M5	MSP UGVR...		4	MSP UHPT...
M5	MSP UNM...	NM MSP UICF...	M5	MSP UHPT...

...IC



M5	MSP UCF...	NM MSP UNM...	M5 MSP EVRI...	M5 MSP UHPT...

multidec® LUBE

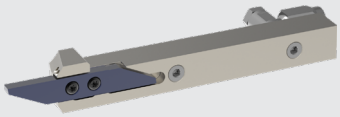
Low Pressure

M5	MSP STVR...	4KS	MSP KSK...

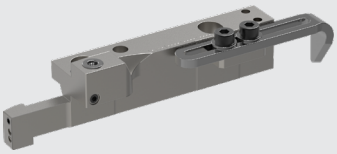
Connecting Options - 90 — High Pressure

MSP UHPT...	NM	MSP UACF...	M5	MSP EVRA...	M5
MSP UHPT...	4	MSP USVR...	M5		
MSP UHPT...	M5	MSP RVRW...	M5		
MSP UHPT..	M5	MSP UICF...	NM	MSP USNM...	M5
MSP UHPT...	M5	MSP UANM...	NM	MSP UCF...	M5
MSP UHPT...	M5	MSP UACF...	NM	MSP UNM...	M5

...IC



MLU...IC...



MLU KV...

Low Pressure

MSP KSK...	4KS	MSP EWR...	M5		

multidec® LUBE

The multidec® LUBE system provides a versatile compact quick-change coolant delivery system that enables a variety of internal cooling wedges to utilize high-and low-pressure options for high-accuracy, repeatable jet flow to the insert.

The corrosion-resistant, low-profile system offers several straight and swivel-type connections in a variety of lengths featuring quick-release fittings to help minimize machine downtime.

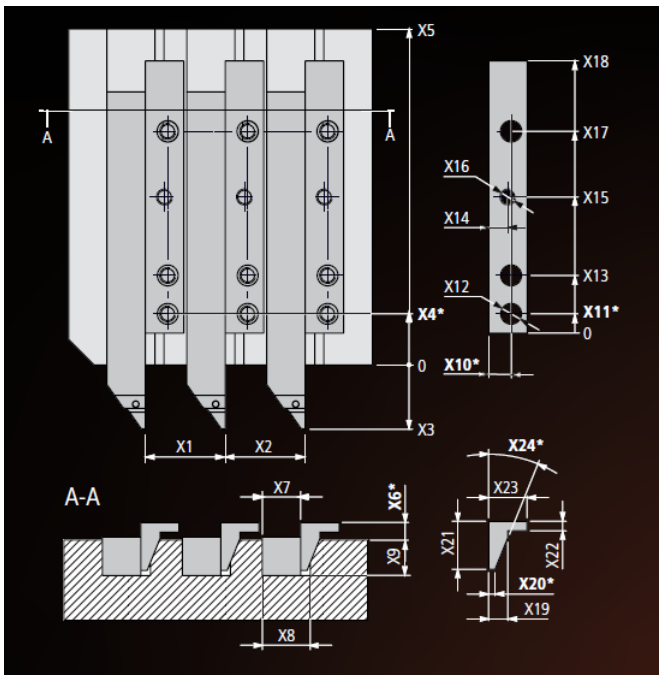
High-pressure coolant tubes can be connected directly with LUBE wedges of IC holders, eliminating the need to route high-pressure lines from setup to setup. The coolant distributor housing is designed with 2-8 outlets to suit a range of machining cycles for simple and complex parts production requirements. For high-pressure coolant operation, the steel components are built to withstand pressures up to a maximum of 200 bar or 2900 psi.

The high-pressure hoses are available in a wide variety of lengths with different connections. In addition, we offer reduction unions, extensions, closing plugs, sealing rings, screw connections, spare parts and coolant distributors.

Advantages:

- Flexible enough to be used with all multidec® product lines with internal cooling
- Can be used within a temperature range of –60 to +250 °C or –76 to +482 °F
- Can be used up to a maximum operating pressure of 30 bar or 435 psi (test pressure of 30 bar or 435 psi)
- Up to a Maximum operating pressure of 200 bar or 2,900 psi
- Corrosion-resistant and compact design

If you need assistance choosing a wedge, GenSwiss will help! Before contacting GenSwiss please obtain the exact dimensions of the tool plate and coolant thru wedge (see the diagrams below) and enter each into the provided tables. Be sure to take measurements from the tool plate position where the multidec® quick-change wedge will be used.

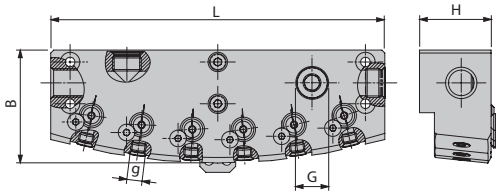


Machine Info	
Manufacturer	
Type	
Year Manufactured	
Serial Number	
Plate Number	
Shaft Cross-Section	

Dimensions	(in)
X1	
X2	
X3	
X4*	
X5	
X6*	
X7	
X8	
X9	
X10*	
X11*	
X12	

Dimensions	(in)
X13	
X14	
X15	
X16	
X17	
X18	
X19	
X20*	
X21	
X22	
X23	
X24*	

GenSwiss, 6 Old Stage Rd., Westfield, MA 01085 · www.GenSwiss.com · 413-562-4800 · sales@genswiss.com



Manifolds (Large)

Item No.	Description	Inputs	Outputs	Dimensions			Connecting Options	
		G	g	B	L	H	M5	G⅛
7005-194453	MLU KV 2-4 L DFR	4×G⅛	2×M5	37	45	24	Miscellaneous	MSP ...G1/8
7005-194451	MLU KV 4-4 L DFR	4×G⅛	4×M5	38	72	24		
7005-194450	MLU KV 6-4 L DFR	4×G⅛	6×M5	38	112	23		
7005-194448	MLU KV 8-4 L DFR	4×G⅛	8xM5	37	154	24		

UTILIS®
Tooling for High Technology

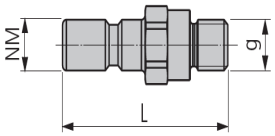
Manifolds (Small)

Item No.	Description	Inputs	Outputs	Dimensions			Connecting Options	
		G	g	B	L	H	M5	G⅛
7005-194458	MLU KV 2-4 S DFR	4×G⅛	2×M5	37	33	24	Miscellaneous	MSP ...G1/8
7005-194452	MLU KV 4-4 S DFR	4×G⅛	4×M5	38	50	24		
7005-194457	MLU KV 6-4 S DFR	4×G⅛	6×M5	38	78	24		
7005-194449	MLU KV 8-4 S DFR	4×G⅛	8xM5	37	106	24		

MSP UNM... Quick-Change Connection (Plug-External Thread)

Item No.	Description	g	L	NM
7005-150091	MSP UNM M5	M5	19.5mm	MSP...UICF... MSP...UCF... MSP...UACF...
7005-194020	MSP UNM M6	M6	19.5mm	
7005-194022	MSP UNM M8	M8	27mm	
7005-194021	MSP UNM M8x1	M8 × 1	19.5mm	
7005-154594	MSP UNM G1/8	G1/8	22mm	
7005-194024	MSP UNM PT1/8	PT1/8	20mm	
Call for Details	MSP UNM UNF5/16	UNF5/16	19.5mm	

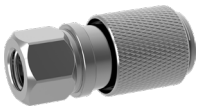
No sealing ring required

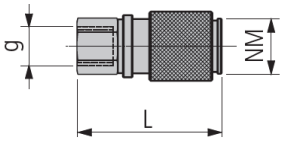


MSP UICF... Quick-Change Connection (Internal Thread - Coupling)

Item No.	Description	g	L	NM
7005-150092	MSP UICF M5	M5	18mm	MSP...UNM MSP...USNM MSP...UANM

No sealing ring required

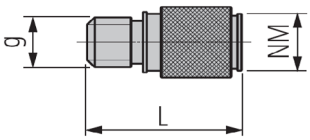




MSP UCF... Quick-Change Connection (External Thread - Coupling)

Item No.	Description	g	L	NM
7005-154595	MSP UCF M5	M5	21mm	MSP...UNM MSP...USNM MSP...UANM
7005-194029	MSP UCF M6	M6	21mm	
7005-194030	MSP UCF M8	M8	27mm	
7005-154596	MSP UCF M8x1	M8×1	19mm	
7005-154597	MSP UCF G1/8	G1/8	19mm	
Call for Details	MSP UCF PT1/8	PT1/8	20mm	

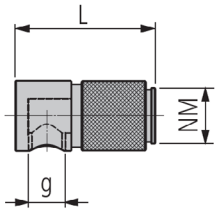
No sealing ring required



MSP UACF Quick-Change Connection M5 (Internal Thread 90° Coupling)

Item No.	Description	g	L	NM
7005-154487	MSP UACF M5	M5	20mm	MSP...UNM MSP...USNM MSP...UANM

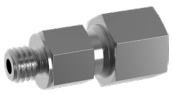
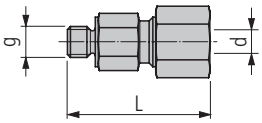
No sealing ring required



MSP UGVR... (External Thread - External Thread)

Item No.	Description	g	d	L	Connecting Options
7005-150082	MSP UGVR M5-4	M5	4mm	27mm	MSP UHPT ...-4
7005-146214	MSP UGVR G1/8-4	G1/8	4mm	32mm	
7005-154440	MSP UGVR PT1/8	PT1/8	4mm	32mm	

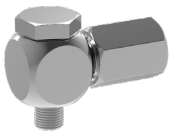
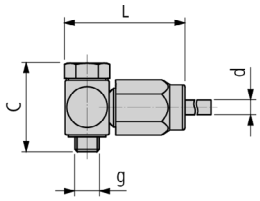
High Pressure maximum 200 bar/2900 psi *No sealing ring required*

MSP USVR... 90° (External Thread Swivel Union)

Item No.	Description	g	d	L	C	Connecting Option
7005-150086	MSP USVR M5-4	M5	4mm	28mm	21mm	MSP UHPT ...-4
7005-146218	MSP USVR G1/8-4	G1/8	4mm	37mm	30mm	

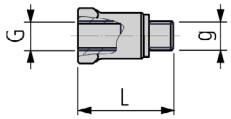
High Pressure maximum 200 bar/2900 psi *No sealing ring required*

MSP VLR (Internal thread - External thread)

Item No.	Description	G	g	L
Call For Details	MSP VL 100 M5-M5	M5	M5	10mm
Call For Details	MSP VL 200 M5-M5	M5	M5	20mm
Call For Details	MSP VLR 240 G1/8-G1/8	G1/8	G1/8	24.25mm
Call For Details	MSP VLR 400 M5-M5	M5	M5	40mm

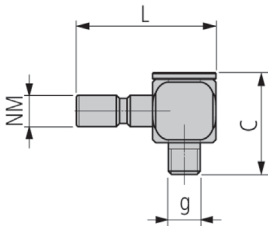
High Pressure maximum 200 bar/2900 psi *No sealing ring required*



MSP USNM... 90° Swivel (External thread)

Item No.	Description	g	L	C	NM
7005-154484	MSP USNM M5	M5	22mm	16mm	MSP...UICF...
7005-194025	MSP USNM M6	M6	22mm	17mm	MSP...UCF...
7005-194027	MSP USNM M8	M8	24mm	17.5mm	MSP...UACF...
7005-194026	MSP USNM M8x1	M8×1	24mm	17.5mm	
7005-194028	MSP USNM G1/8	G1/8	20mm	28mm	

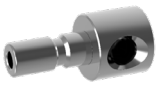
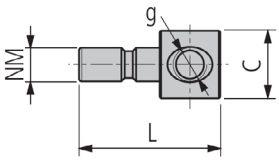
High Pressure maximum 200 bar/2900 psi *No sealing ring required*



MSP UANM... Quick-Change Connection 90°

Item No.	Description	g	L	C	NM
7005-154485	MSP UANM M5	M5	21mm	10mm	MSP ...UICF ... MSP ...UCF ... MSP ...UACF ...

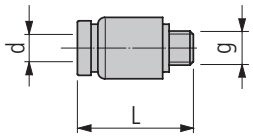
High Pressure maximum 200 bar/2900 psi *No sealing ring required*

MSP STVR... (KS4 - External thread)

Item No.	Description	d	g	L	Connecting Options KS4	Connecting Options M5
Call for Details	MSP STVR KS4-M5	4	M5	17mm	MSP KSK...	Miscellaneous

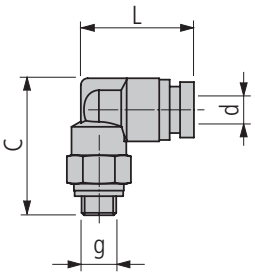
Low Pressure maximum 30 bar/435 psi *Includes sealing ring*



MSP EWR... (External thread 90° – KS4)

Item No.	Description	g	d	L	Connecting Options M5	Connecting Options KS4
Call for Details	MSP EWR M5-KS4	M5	4	18mm	Miscellaneous	MSP KSK...

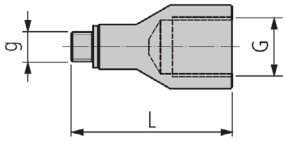
Low Pressure maximum 30 bar/435 psi *Includes sealing ring*



MSP RVRI ... (External Thread - Internal Thread) Reduction Union

Item No.	Description	G	g	L
7005-117065	MSP RVRI 100 M5-M6	M6	M5	15mm
7005-117066	MSP RVRI 185 M5-M8x1	M8x1	M5	23mm
7005-117067	MSP RVRI 225 M5-M10x1	M10x1	M5	27mm
7005-117068	MSP RVRI 225 M5-G1/8"	G1/8"	M5	27mm

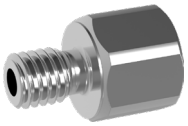
High/Low Pressure maximum 200 bar/2900 psi *Includes sealing ring*

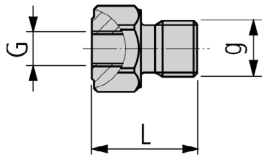


MSP RVRA... (External Thread-Internal Thread) Coolant Fitting Reduction Union

Item No.	Description	G	g	L
7005-117143	MSP RVRA 100 M6-M5	M5	M6	18mm
7005-117144	MSP RVRA 70 M8x1-M5	M5	M8x1	15mm
7005-117145	MSP RVRA 70 M10x1-M5	M5	M10x1	15mm
7005-117146	MSP RVRA 70 G1/8"-M5	M5	G1/8"	15mm

High/Low Pressure maximum 200 bar/2900 psi *No sealing ring required*

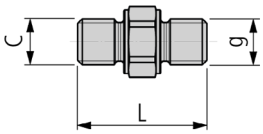




MSP EVRA... (External thread-External thread) Coupling

Item No.	Description	g	L	C
7005-154321	MSP EVRA M5-M5	M5	12mm	M5

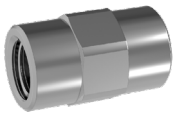
High/Low Pressure maximum 200 bar/2900 psi *No sealing ring required*

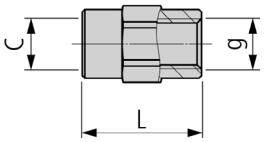


MSP EVRI... (Internal thread - Internal thread) Coupling

Item No.	Description	g	L	C
7005-154322	MSP EVRI M5-M5	M5	14mm	M5

High/Low Pressure maximum 200 bar/2900 psi *No sealing ring required*

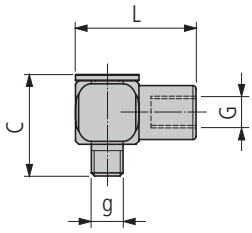




MSP RVRW... (External Thread 90°, Swiveling - Internal Thread)

Item No.	Description	g	G	L	C
7005-194421	MSP RVRW M5-M5	M5	M5	19mm	16mm

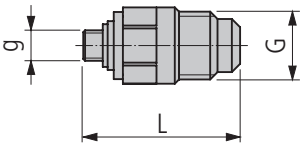
High/Low Pressure maximum 200 bar/2900 psi *No sealing ring required*



MSP RVR... (External thread - External thread)

Item No.	Description	g	G	L
Call for Details	MSP RVR M5-7/16-20 UNF	M5	7/16-20 UNF	29mm
Call for Details	MSP RVR G1/8-7/16-20 UNF	G1/8	7/16-20 UNF	29mm

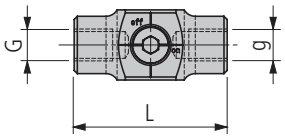
High/Low Pressure maximum 200 bar/2900 psi *Includes sealing ring*



MLU DFR...

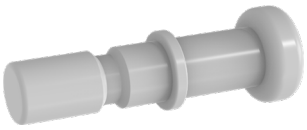
Item No.	Description	G	g	L
7005-194421	MLU DFR-1 M5-M5	M5	M5	24mm

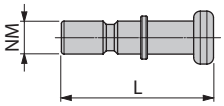
High/Low Pressure maximum 200 bar/2900 psi *No sealing ring required*



Closing Plug - high pressure

Maximum 200/bar/2900 psi

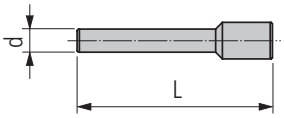




Item No.	Description	L	NM
Call for Details	MSP VNM	23	MSP ...UICF ... MSP ... UCF ... MSP ...UACF ...

Closing Plug - low pressure

Maximum 300/bar/435 psi



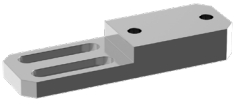
MSP VSK... (4KS)

Item No.	Description	d	L	d
Call for Details	MSP VSK-4KS	4	32	MSP STVR... MSP EWR...

Replacement parts - high/low pressure

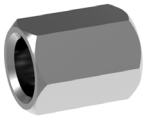
Holder for Coolant Distributor

Item No.	Description	Dimensions	Related to
7005-150082	MLU HKV-10	40x12	MLU KV...



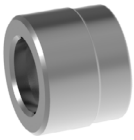
Nut

Item No.	Description	Dimensions	Related to
7005-150987	MSP UCN 4	4	MSP UGVR M5-4 MSP-USVR M5-4
Call for Details	MSP UCN 6	4	MSP UGVR G1/8-4 MSP USVR G1/8-4
7005-194112	MSP UCN PT1/8	4	MSP UGVR PT 1/8



Clamping Ring

Item No.	Description	Dimensions	Related to
Call for Details	MSP UCR 4	4	MSP UCN 4
7005-194098	MSP UCR 6-4	4	MSP UCN 6
Call for Details	MSP UCR PT 1/8	4	MSP UCN PT 1/8

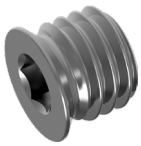


Sealing Ring

Item No.	Description	Dimensions	Related to
7005-117060	MSP USK-M5	5	MSP STVR... MSP EWR... MSP VLR... MSP RVRI... MSP RVR...

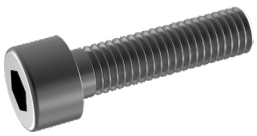
Screw Plug

Item No.	Description	Dimensions	Related to
7005-150262	MSP VSR M5 IB2.5	M5	MLUKV...
7005-153844	MSP VSR M6x0.5 IB3	M6x0.5	MLUKV...
7005-153845	MSP VSR M8x1 IB4	M8x1	MLUKV...
Call for Details	MSP VSR G1/8 IB5	G⅛	MLUKV...



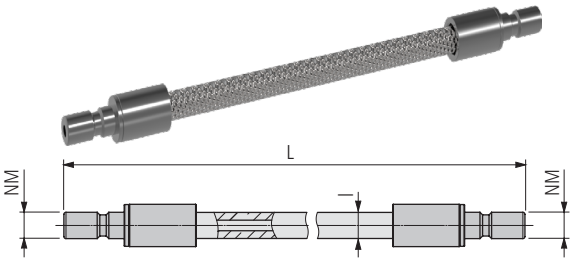
Allen Head Screw

Item No.	Description	Dimensions	Related to
Call for Details	MSP 30250 ZKS IB2.5	M3 x 25 IB2.5	MLU KV...
Call for Details	MSP 30060 ZKS IB2.5	M3 x 6 IB2.5	MLU KV...



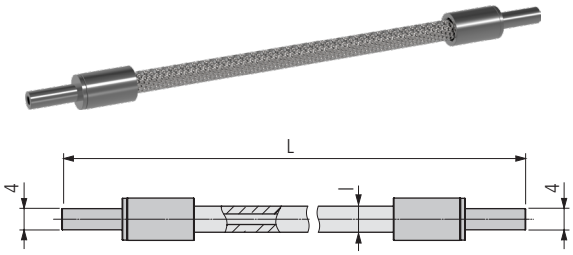
High Pressure Steel Braided Hosing

Units of Measurement = mm
NO Sealing Ring Required



MSP UHPT * ... NM-NM (Plug-Plug)

Item No.	Description	L	I	NM
7005-192230	MSP UHPT 100 NM-NM	100	4.5	MSP UICF ... MSP UCF ... MSP UACF ...
7005-192229	MSP UHPT 150 NM-NM	150	4.5	
7005-192228	MSP UHPT 200 NM-NM	200	4.5	
7005-192227	MSP UHPT 250 NM-NM	250	4.5	
7005-192226	MSP UHPT 300 NM-NM	300	4.5	
7005-192225	MSP UHPT 400 NM-NM	400	4.5	
7005-192224	MSP UHPT 500 NM-NM	500	4.5	



MSP UHPT*...4-4 (Nozzle – Nozzle)

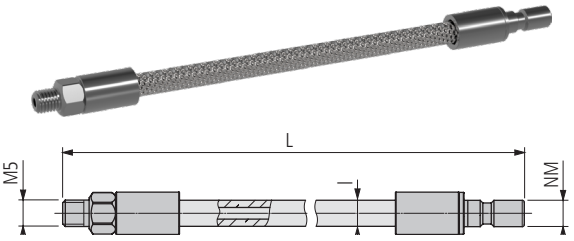
Item No.	Description	L	I	4
7005-192189	MSP UHPT 100 4-4	100	4.5	MSP UGVR... MSP USVR...
7005-150097	MSP UHPT 150 4-4	150	4.5	
7005-150098	MSP UHPT 200 4-4	200	4.5	
7005-192188	MSP UHPT 250 4-4	250	4.5	
7005-150099	MSP UHPT 300 4-4	300	4.5	
7005-192187	MSP UHPT 400 4-4	400	4.5	
7005-150100	MSP UHPT 500 4-4	500	4.5	

MSP UHPTB** ... NM-NM (Plug-Plug)

Item No.	Description	L	I	NM
7005-192223	MSP UHPTB 100 NM-NM	100	6.2	MSP UICF ... MSP UCF ... MSP UACF ...
7005-192222	MSP UHPTB 150 NM-NM	150	6.2	
7005-192221	MSP UHPTB 200 NM-NM	200	6.2	
7005-192220	MSP UHPTB 250 NM-NM	250	6.2	
7005-192219	MSP UHPTB 300 NM-NM	300	6.2	
7005-192218	MSP UHPTB 400 NM-NM	400	6.2	
7005-192217	MSP UHPTB 500 NM-NM	500	6.2	

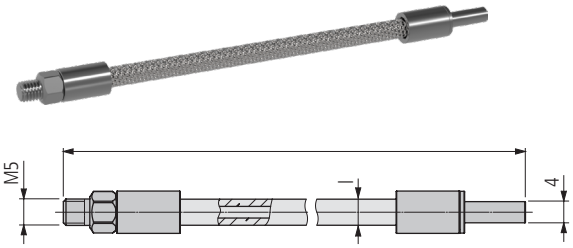
MSP UHPTB**...4-4 (Nozzle – Nozzle)

Item No.	Description	L	I	NM
7005-192186	MSP UHPTB 100 4-4	100	6.2	MSP UGVR ... MSP USVR ...
7005-192185	MSP UHPTB 150 4-4	150	6.2	
7005-192184	MSP UHPTB 200 4-4	200	6.2	
7005-192183	MSP UHPTB 250 4-4	250	6.2	
7005-192182	MSP UHPTB 300 4-4	300	6.2	
7005-192181	MSP UHPTB 400 4-4	400	6.2	
7005-192180	MSP UHPTB 500 4-4	500	6.2	



MSP UHPT* ... M5-NM (External thread – Pug)

Item No.	Description	L	I	NM
7005-154456	MSP UHPT 100 M5-NM	100	4.5	MSP UICF ... MSP UCF ... MSP UACF ...
7005-154457	MSP UHPT 150 M5-NM	150	4.5	
7005-154458	MSP UHPT 200 M5-NM	200	4.5	
7005-154459	MSP UHPT 250 M5-NM	250	4.5	
7005-154460	MSP UHPT 300 M5-NM	300	4.5	
7005-154461	MSP UHPT 400 M5-NM	400	4.5	
7005-154462	MSP UHPT 500 M5-NM	500	4.5	



MSP UHPT* ... M5-4 (External Thread Nozzle)

Item No.	Description	L	I	4
7005-154442	MSP UHPT 100 M5-4	100	4.5	MSP UGVR... MSP USVR...
7005-154443	MSP UHPT 150 M5-4	150	4.5	
7005-154444	MSP UHPT 200 M5-4	200	4.5	
7005-154445	MSP UHPT 250 M5-4	250	4.5	
7005-154446	MSP UHPT 300 M5-4	300	4.5	
7005-154447	MSP UHPT 400 M5-4	400	4.5	
7005-154448	MSP UHPT 500 M5-4	500	4.5	

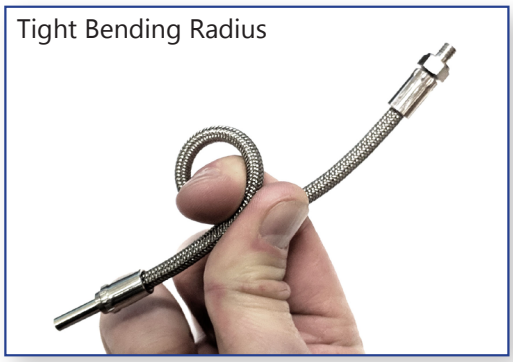
MSP UHPTB** ... M5-NM (External thread – Pug)

Item No.	Description	L	I	NM
7005-154463	MSP UHPTB 100 M5-NM	100	6.2	MSP UICF ... MSP UCF ... MSP UACF ...
7005-154464	MSP UHPTB 150 M5-NM	150	6.2	
7005-154465	MSP UHPTB 200 M5-NM	200	6.2	
7005-154466	MSP UHPTB 250 M5-NM	250	6.2	
7005-154467	MSP UHPTB 300 M5-NM	300	6.2	
7005-154468	MSP UHPTB 400 M5-NM	400	6.2	
7005-154469	MSP UHPTB 500 M5-NM	500	6.2	

MSP UHPTB** ... M5-4 (External thread – Nozzle)

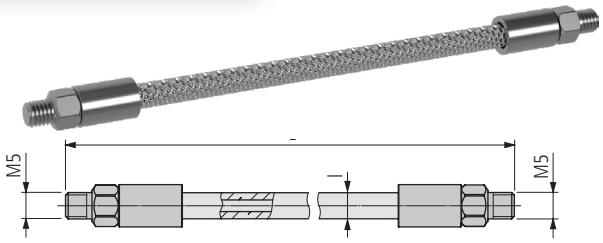
Item No.	Description	L	I	NM
7005-154449	MSP UHPTB 100 M5-4	100	6.2	MSP UGVR... MSP USVR...
7005-154450	MSP UHPTB 150 M5-4	150	6.2	
7005-154451	MSP UHPTB 200 M5-4	200	6.2	
7005-154452	MSP UHPTB 250 M5-4	250	6.2	
7005-154453	MSP UHPTB 300 M5-4	300	6.2	
7005-154454	MSP UHPTB 400 M5-4	400	6.2	
7005-154455	MSP UHPTB 500 M5-4	500	6.2	

*** Standard tube with high flexibility**
**** Reinforced tube with increased bending strength and with 50 % higher flow volume**



Units of Measurement = mm

High Pressure Steel Braided Hosing

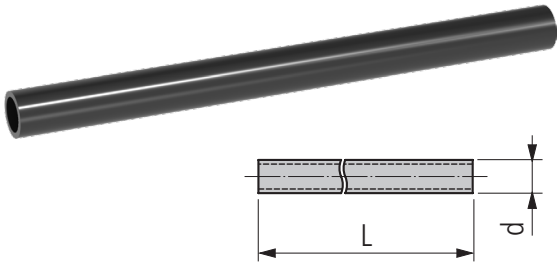


MSP UHPT*...M5-M5 (External thread-External thread)

Item No.	Description	L	I	M5
7005-154470	MSP UHPT 100 M5-M5	100	4.5	Miscellaneous
7005-154471	MSP UHPT 150 M5-M5	150	4.5	
7005-154472	MSP UHPT 200 M5-M5	200	4.5	
7005-154473	MSP UHPT 250 M5-M5	250	4.5	
7005-154474	MSP UHPT 300 M5-M5	300	4.5	
7005-154475	MSP UHPT 400 M5-M5	400	4.5	
7005-154476	MSP UHPT 500 M5-M5	500	4.5	

MSP UHPTB...M5-M5 (External thread - external thread)**

Item No.	Description	L	I	M5
7005-154477	MSP UHPTB 100 M5-M5	100	6.2	Miscellaneous
7005-154478	MSP UHPTB 150 M5-M5	150	6.2	
7005-154479	MSP UHPTB 200 M5-M5	200	6.2	
7005-154480	MSP UHPTB 250 M5-M5	250	6.2	
7005-154481	MSP UHPTB 300 M5-M5	300	6.2	
7005-154482	MSP UHPTB 400 M5-M5	400	6.2	
7005-154483	MSP UHPTB 500 M5-M5	500	6.2	



Coolant tubes - low pressure

Item No.	Description	d	L	4KS
Call for Details	MSP KSK-4KS	4	1000	MSP STVR... MSP EWR...

*** Standard tube with high flexibility**
**** Reinforcedtubewithincreasedbending strength and with 50 % higher flow volume**