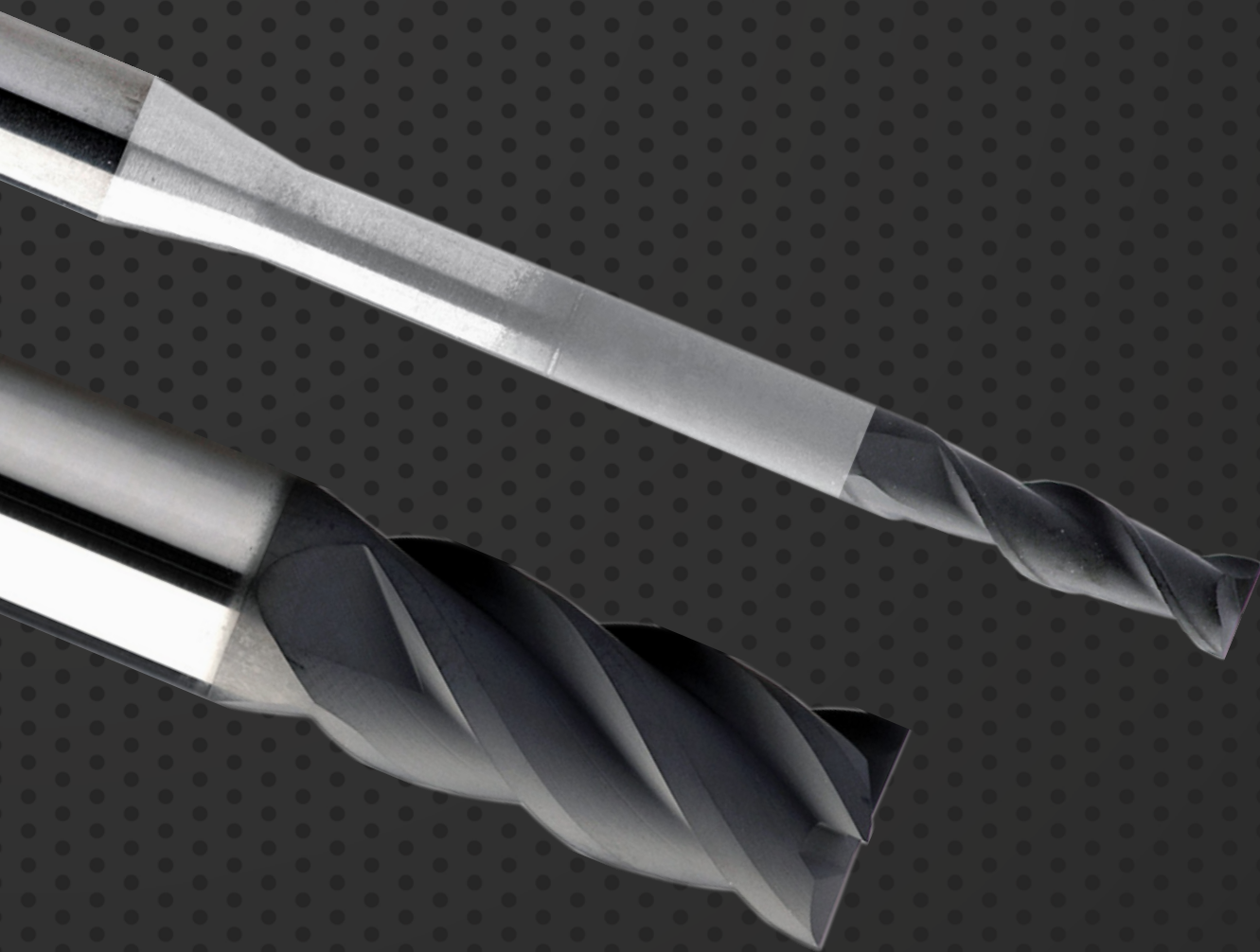




ENDMILLS

SE GR

Diamond coated end mills special for machining graphite and composite reinforced plastic fiber glass (CRP)

Index - SE GR, For Thermoplastic & Graphite

 Suitable for Material Groups
  Adapté pour les matériaux
  适用于材料
 Geeignet für die Materialgruppen
  Adatto per il materiale

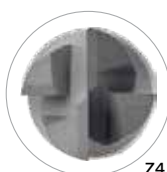
o

EDP Number	Type	No. Z	Helix Angle	Coating	Performance	Page Number
750	 SE GR	4	40°	DCT01	G	328
752	 SE GR Miniature Long Neck	2	40°	DCT01	G	329
753	 SE GR Miniature Long Neck	4	40°	DCT01	G	330
J86	 SE GR Torus Miniature Long Neck	2	40°	DCT01	G	331
H86	 SE GR Torus Miniature Long Neck	4	40°	DCT01	G	332

G - General P - Performance

SE GR ENDMILLS, 4 FLUTES

-  VHM SE GR Fräser, 4 Zähne, DIAMANT bzw. DLC beschichtet zur Bearbeitung von Grafit
-  Frese SE GR, 4 taglienti, diamantate per lavorazioni in grafite
-  Fraises SE GR, 4 dents, diamanté pour usinage de graphite
-  整体硬质合金 SE GR 系列 DLC 钻石涂层加工石墨2刃平底铣刀



Order Number	Dimension (mm)					DCT01
	D	L1	L2	L	d2 (h6)	
750 0100 040 03	1	3		40	3	°
750 0150 040 03	1.5	4.5		40	3	•
750 0200 040 03	2	6.5		40	3	°
750 0250 040 03	2.5	6.5		40	3	•
750 0300	3	9		40	3	•
750 0400	4	12		50	4	•
750 0500	5	15		50	5	•
750 0600	6	20		60	6	•
750 0800	8			64	8	•
750 1000	10	22		70	10	•
750 1200	12	25		75	12	•

Material Group | Material-Gruppe | Groupe Matiere | Gruppo Materiali | 材质主类

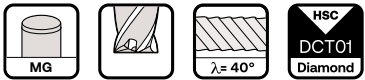
Cutting Parameter

N01	N02	N03	K01	K02	P01	P02	P03	M01	M02	S01	S02	S03	H01	H02	O01	O02
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333

SE GR MINIATURE ENDMILLS WITH LONG NECK, 2 FLUTES

- VHM SE GR Fräser mit langem Hals, 2 Zähne, DIAMANT bzw. DLC beschichtet, zur Bearbeitung von Grafit
- Frese SE GR, con collo lungo, 2 taglienti, diamantate per lavorazioni in grafite
- Fraises SE GR, 4 dents, diamanté pour usinage de graphite
- 整体硬质合金 SE GR 系列 DLC 钻石涂层加工石墨 2 刃长颈平底铣刀



Order Number	Dimension (mm)						DCT01
	D	l1	l2	L	d1	d2 (h6)	
752 0050 050 03	0.5	1	6	50	0.45	3	°
752 0060 050 03	0.6	1.2	6	50	0.55	3	°
752 0080 050 03	0.8	1.6	8	50	0.75	3	°
752 0100 060 03	1	3	10	60	0.9	3	°
752 0100 060 04		3	10	60	0.9	4	•
752 0200 060 04	2	6.5	20	60	1.9	4	•
752 0300 075 03	3	9	30	75	2.8	3	•
752 0300 075 06			30	75	2.8	6	°
752 0400 100 04	4	25	40	100	3.7	4	°
752 0600	6		60	100	5.5	6	°

Material Group | Material-Gruppe | Groupe Matiere | Gruppo Materiali | 材质主类

Cutting Parameter

N01	N02	N03	K01	K02	P01	P02	P03	M01	M02	S01	S02	S03	H01	H02	O01	O02	333
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SE GR MINIATURE ENDMILLS WITH LONG NECK, 4 FLUTES

 VHM SE GR Fräser mit langem Hals, 4 Zähne, DIAMANT bzw. DLC beschichtet, zur Bearbeitung von Grafit

 Frese SE GR, con collo lungo, 4 taglienti, diamantate per lavorazioni in grafite

 Frese SE GR, con collo lungo, 4 taglienti, diamantate per lavorazioni in grafite

 整体硬质合金 SE GR 系列 DLC 钻石涂层加工石墨 4 刃长颈平底铣刀



Order Number	Dimension (mm)						DCT01	
	D	I 1	I 2	L	d1	d2 (h6)		
753 0100 060 0300 100	1	3	10	60	0.9	3	°	
753 0100 060 0300 120			12	60	0.9	3	°	
753 0100 060 0300 160			16	60	0.9	3	°	
753 0100 060 0400 100			10	60	0.9	4	•	
753 0100 060 0400 120			12	60	0.9	4	°	
753 0100 060 0400 160			16	60	0.9	4	•	
753 0150 060 0300 100	1.5	4.5	10	60	1.4	3	•	
753 0150 060 0300 160			16	60	1.4	3	°	
753 0150 060 0300 180			18	60	1.4	3	°	
753 0150 060 0400 100			10	60	1.4	4	•	
753 0150 060 0400 160			16	60	1.4	4	•	
753 0150 060 0400 180			18	60	1.4	4	°	
753 0200 060 0300 100	2	6.5	10	60	1.9	3	°	
753 0200 060 0300 160			16	60	1.9	3	•	
753 0200 060 0300 200			20	60	1.9	3	°	
753 0200 060 0400 100			10	60	1.9	4	•	
753 0200 060 0400 160			16	60	1.9	4	•	
753 0200 060 0400 200			20	60	1.9	4	•	
753 0300 075 0300 150	3	9	15	75	2.8	3	•	
753 0300 075 0300 300			30	75	2.8	3	°	
753 0300 075 0400 150			15	75	2.8	4	°	
753 0300 075 0400 300			30	75	2.8	4	°	
753 0400 075 0400 200	4	15	20	75	3.7	4	•	
753 0400 075 0400 320			32	75	3.7	4	°	
753 0400 100 0400 250			25	100	3.7	4	°	
753 0400 100 0400 320			32	100	3.7	4	°	
753 0600 075 0600 400	6	25	40	75	5.5	6	•	
753 0600 100 0600 400	8		40	100	5.5	6	•	
753 0800 100 0800 400			40	100	7.4	8	•	
753 0800 150 0800 400			40	150	7.4	8	°	
753 1000 100 1000 400			10	40	100	9.2	10	•
753 1000 150 1000 400	40			150	9.2	10	°	
753 1200 100 1200 400	12			40	100	11	12	°
753 1200 150 1200 400				40	150	11	12	°

Material Group | Material-Gruppe | Groupe Matiere | Gruppo Materiali | 材质主类

N01	N02	N03	K01	K02	P01	P02	P03	M01	M02	S01	S02	S03	H01	H02	O01	O02
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Cutting Parameter

333

SE GR TORUS MINIATURE ENDMILLS WITH LONG NECK, 2 FLUTES

- VHM SE GR Torusfräser mit langem Hals, 2 Zähne, DIAMANT bzw. DLC beschichtet, zur Bearbeitung von Grafit
- Frese toroidali SE GR, con collo lungo, 2 taglienti, diamantate per lavorazioni in grafite
- Fraises SE GR toriques avec cou long longues, 2 dents, diamanté pour usinage de graphite
- 整体硬质合金 SE GR 系列 DLC 钻石涂层加工石墨2刃长颈平底铣刀



Order Number	Dimension (mm)							DCT01
	D	I 1	I 2	L	d1	d2 (h6)	R	
J86 0050 050 0300 060	0.5	1	6	50	0.45	3	0.05	°
J86 0050 050 0400 060			6	50	0.45	4	0.05	°
J86 0060 050 0400 060	0.6	1.2	6	50	0.55	4	0.05	°
J86 0080 050 0300 080	0.8	1.6	8	50	0.75	3	0.05	°
J86 0080 050 0400 080			8	50	0.75	4	0.05	°
J86 0080 050 0300 150			15	50	0.75	3	0.05	°
J86 0080 050 0400 150			15	50	0.75	4	0.05	°

Material Group | Material-Gruppe | Groupe Matiere | Gruppo Materiali | 材质主类

Cutting Parameter

N01	N02	N03	K01	K02	P01	P02	P03	M01	M02	S01	S02	S03	H01	H02	O01	O02	333
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SE GR TORUS MINIATURE ENDMILLS WITH LONG NECK, 4 FLUTES

-  VHM SE GR Torusfräser mit langem Hals, 4 Zähne, DIAMANT bzw. DLC beschichtet, zur Bearbeitung von Grafit
-  Frese toroidali SE GR, con collo lungo, 4 taglienti, diamantate per lavorazioni in grafite
-  Fraises SE GR toriques avec cou long longues, 4 dents, diamanté pour usinage de graphite
-  整体硬质合金 SE GR 系列 DLC 钻石涂层加工石墨 4 刃长颈平底铣刀



Order Number	Dimension (mm)							DCT01		
	D	I 1	I 2	L	d1	d2 (h6)	R			
H86 0100 060 0300 100 R005	1	3	10	60	0.9	3	0.05	°		
H86 0100 060 0400 100 R005			10	60	0.9	4	0.05	°		
H86 0100 060 0300 150 R005			15	60	0.9	3	0.05	°		
H86 0100 060 0400 150 R005			15	60	0.9	4	0.05	°		
H86 0100 060 0300 100 R010			10	60	0.9	3	0.1	°		
H86 0100 060 0400 100 R010			10	60	0.9	4	0.1	°		
H86 0100 060 0300 150 R010			15	60	0.9	3	0.1	°		
H86 0100 060 0400 150 R010			15	60	0.9	4	0.1	°		
H86 0150 060 0300 100 R005	1.5	4.5	10	60	1.4	3	0.05	°		
H86 0150 060 0400 100 R005			10	60	1.4	4	0.05	°		
H86 0150 060 0300 150 R005			15	60	1.4	3	0.05	°		
H86 0150 060 0400 150 R005			15	60	1.4	4	0.05	°		
H86 0150 060 0300 100 R010			10	60	1.4	3	0.1	°		
H86 0150 060 0400 100 R010			10	60	1.4	4	0.1	°		
H86 0150 060 0300 150 R010			15	60	1.4	3	0.1	°		
H86 0150 060 0400 150 R010			15	60	1.4	4	0.1	°		
H86 0200 060 0300 200 R005	2	6.5	20	60	1.9	3	0.05	°		
H86 0200 060 0400 200 R005			20	60	1.9	4	0.05	°		
H86 0200 060 0300 300 R005			30	60	1.9	3	0.05	°		
H86 0200 060 0400 300 R005			30	60	1.9	4	0.05	°		
H86 0200 060 0300 200 R010			20	60	1.9	3	0.1	°		
H86 0200 060 0400 200 R010			20	60	1.9	4	0.1	°		
H86 0200 060 0300 300 R010			30	60	1.9	3	0.1	°		
H86 0200 060 0400 300 R010			30	60	1.9	4	0.1	°		
H86 0300 060 0300 200 R020	3	9	20	60	2.8	3	0.2	°		
H86 0300 060 0400 200 R020			20	60	2.8	4	0.2	°		
H86 0300 075 0300 150 R020			15	75	2.8	3	0.2	°		
H86 0300 075 0300 150 R050			15	75	2.8	3	0.5	●		
H86 0300 075 0300 150 R020			15	75	2.8	4	0.2	°		
H86 0300 075 0300 150 R050			15	75	2.8	4	0.5	●		
H86 0300 075 0300 300 R020			30	75	2.8	3	0.2	°		
H86 0300 075 0300 300 R050			30	75	2.8	3	0.5	°		
H86 0300 075 0400 300 R020	4	12	30	75	2.8	4	0.2	°		
H86 0300 075 0400 300 R050			30	75	2.8	4	0.5	°		
H86 0400 060 0400 200 R030			30	60	3.7	4	0.3	°		
H86 0400 075 0400 320 R020			32	75	3.7	4	0.2	°		
H86 0400 075 0400 320 R030			32	75	3.7	4	0.3	°		
H86 0400 075 0400 320 R050			32	75	3.7	4	0.5	●		
H86 0400 100 0400 400 R020			40	100	3.7	4	0.2	°		
H86 0400 100 0400 400 R030			40	100	3.7	4	0.3	°		
H86 0400 100 0400 400 R050	6	25	40	100	3.7	4	0.5	°		
H86 0600 075 0600 400 R030			40	75	5.5	6	0.3	°		
H86 0600 075 0600 400 R050			40	75	5.5	6	0.5	°		
H86 0600 100 0600 400 R030			40	100	5.5	6	0.3	●		
H86 0600 100 0600 400 R050			40	100	5.5	6	0.5	●		
H86 0800 100 0800 400 R050			8		40	100	7.4	8	0.5	●
H86 0800 150 0800 400 R050					40	150	7.4	8	0.5	°
H86 1000 100 1000 400 R050			10		40	100	9.8	10	0.5	●
H86 1000 150 1000 400 R050	40	150			9.8	10	0.5	°		
H86 1200 100 1200 400 R050	12		40	100	11	12	0.5	°		
H86 1200 150 1200 400 R050			40	150	11	12	0.5	°		

Material Group | Material-Gruppe | Groupe Matière | Gruppo Materiali | 材质主类

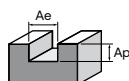
Cutting Parameter

N01	N02	N03	K01	K02	P01	P02	P03	M01	M02	S01	S02	S03	H01	H02	O01	O02	333
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Note: These recommended cutting data indicators are just for reference. They should be adjusted according to the different cutting condition

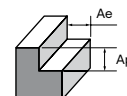


SE GR Endmills, 4 Flutes - 750



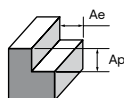
Slotting	O	
Working Material	Graphite	
Properties	-	
Cutting depth, ap	0.25 × D	
Cutting Width, ae	1.00 × D	
D	Vc	Fz
1	200	0.002
2		0.005
3		0.009
4		0.014
5		0.019
6		0.024
8		0.035
10		0.045
12		0.057

SE GR Endmills, 4 Flutes - 750



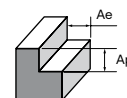
Side Milling	O	
Working Material	Graphite	
Properties	-	
Cutting depth, ap	1.00 × D	
Cutting Width, ae	0.40 × D	
D	Vc	Fz
1	230	0.003
2		0.007
3		0.011
4		0.016
5		0.021
6		0.027
8		0.037
10		0.050
12		0.069

SE GR Miniature Endmills With Long Neck, 2 Flutes - 752, J86



Side Milling	O	
Working Material	Graphite	
Properties	-	
Cutting depth, ap	0.25 × D	
Cutting Width, ae	1.00 × D	
D	Vc	Fz
1	150	0.005
2		0.013
3		0.022
4		0.032
6		0.051

SE GR Miniature Endmills With Long Neck, 4 Flutes - 753, H86



Side Milling	O	
Working Material	Graphite	
Properties	-	
Cutting depth, ap	1.00 × D	
Cutting Width, ae	0.40 × D	
D	Vc	Fz
1	160	0.005
2		0.013
3		0.022
4		0.033
6		0.052
8		0.075
10		0.096
12		0.121