



ENDMILLS

SE 30

For general machining

For material application ≤ 35 HRC

Index - SE 30, For ≤ 35 HRC

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

P K N

EDP Number	Type	No. Z	Helix Angle	Coating	Performance	Page Number
798	 SE 30	2	30°	B0819	G	93
800	 SE 30	3	30°	B0819	G	94
806	 SE 30 Long	4	30°	B0819	G	95
810	 SE 30 Extra-Long	4	30°	B0819	G	96
816	 SE 30	2	40°	B0819	G	97
818	 SE 30	3	40°	B0819	G	98
824	 SE 30 Long	4	40°	B0819	G	99
828	 SE 30 Extra-Long	4	40°	B0819	G	100
834	 SE 30 Multi Propose 60°	2	40°	B0819	G	101
836	 SE 30 Multi Propose 90°	2	40°	B0819	G	102
838	 SE 30 Multi Propose 120°	2	40°	B0819	G	103
398	 MG Mini 1/4 Corner	4	-	B0819	G	104

G - General P - Performance

FEATURES & BENEFITS

SE 30



Top View

1 Gash Land Design



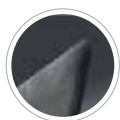
Significantly improves strength and provide great chipping resistance

2 Eccentric Grinding



Optimum eccentric grinding in order to avoid rubbing, while maintaining maximum cutting tool strength.

3 Cutting Edge Preparation



- Enhances tool life
- Less material adhere on the cutting edge for stable machining
- Improves wear resistance and reduces excessive friction



4 Superior Coating to Reduce Friction

- Increases hardness and higher abrasive wear resistance
- Higher thermal resistance
- Smoother chips evacuation

5 Suitable for Material Groups





1. Stirnschliff Design
Verbessert die Leistung deutlich und bietet Schutz gegen Ausbrüche
2. Exzentrischer Schliff
Optimaler exzentrischer Schliff zur Reduzierung der Reibung unter Beibehaltung der maximalen Schneidenstabilität
3. Schneidkantenbehandlung
Verbessert die Werkzeuglebensdauer
Weniger Materialanhaftungen an der Schneide
Für stabile Bearbeitung
4. Ausgezeichnete Beschichtung zur Verringerung der Reibung
Erhöht die Härte und bietet bessere Verschleißfestigkeit
Höhere Temperaturbeständigkeit
Glatte Oberfläche für besseren Spänefluß
5. Positiver Spanwinkel
Geeignet für Materialgruppen P, K, N



1. 底刀斜面式设计
显著提高强度, 提供极好的耐崩裂性。
2. 偏心研磨
最佳偏心研磨, 可避免摩擦, 同时保持最大切削刀具强度。
3. 切削刃设置提高刀具寿命
提高刀具寿命。
较少的材料粘在切削刃上。
用于稳定加工。
4. 优异的涂层, 减少摩擦
增加硬度, 提高材料耐磨性。
更高的抗热性。
更顺畅的排屑。
5. 适用于材料 P、K、N



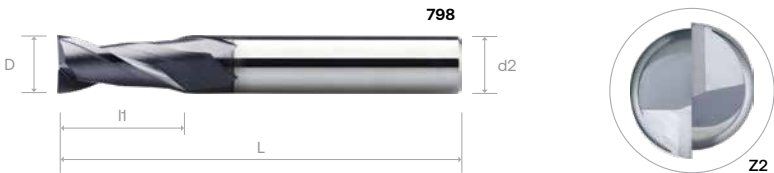
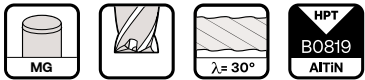
1. Struttura area sgrossatura
Migliora notevolmente la potenza e offre un'eccellente resistenza alle scheggiature
2. Levigatura orbitale
Levigatura orbitale ottimale per evitare sfregatura, garantendo la massima resistenza dello strumento di taglio.
3. Preparazione dell'angolo di taglio
Migliora la durata dello strumento
Meno materiale che aderisce sull'angolo di taglio
Per una lavorazione stabile
4. Rivestimento superiore per ridurre la frizione
Aumenta la durezza e una maggiore resistenza all'usura abrasiva
Resistenza termica superiore
Evacuazione dei trucioli più semplice
5. Angolo di taglio positivo
Adatto per il materiale P, K, N



1. Conception de fraise pour l'usinage general
Améliore considérablement la solidité et apporte une excellente résistance à l'ébarbage
2. Meulage excentrique
Meulage optimal diminuant le coefficient de friction tout en maintenant une bonne acuité de l'arête de coupe
3. Préparation des arêtes de coupes
Améliore la durée de vie de l'outil
Moins de matériau adhère à l'arête tranchante
Pour un usinage stable
4. Revêtement supérieur pour réduire la friction
Augmente la dureté et la résistance à l'abrasion
Résistance thermique supérieure
Évacuation des copeaux plus fluide
5. Angle de coupe positif
Adapté pour les matériaux P, K, N

SE 30 ENDMILLS, 2 FLUTES

- VHM SE 30 Fräser, 2 Zähne
- Fresa SE 30, 2 taglienti
- Fraises SE 30 - 2 dents
- 整体硬质合金 SE 30 系列 2刃平底铣刀



Order Number	Dimension (mm)					B0819
	D	I1	I2	L	d2 (h6)	
798 0100 040 03	1	3		40	3	°
798 0100 040 04				40	4	°
798 0150 040 03	1.5	4.5		40	3	•
798 0150 040 04				40	4	•
798 0200 040 03	2	6.5		40	3	•
798 0200 040 04				40	4	°
798 0250 040 03	2.5	6.5		40	3	°
798 0250 040 04				40	4	°
798 0300	3	9		40	3	°
798 0300 050 06				50	6	°
798 0400	4	12		50	4	•
798 0400 050 06				50	6	°
798 0500	5	15		50	5	•
798 0500 050 06				50	6	°
798 0600 050	6	16		50	6	•
798 0600 060		20		60	6	•
798 0800	8			64	8	•
798 1000 070	10	22		70	10	°
798 1000 075				75	10	°
798 1200	12	25		75	12	•
798 1400	14	32		90	14	•
798 1600	16			90	16	•
798 1800	18	38		100	18	°
798 2000	20			100	20	°
798 2200	22	40		100	22	°
798 2500	25			100	25	°

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	105
°	°	°	°	°	°												

SE 30 ENDMILLS, 3 FLUTES

 VHM SE 30 Standard Fräser, 3 Zähne

 Frese SE 30, 3 taglienti

 Fraises SE 30 standard - 3 dents

 整体硬质合金 SE 30 系列 3刃平底铣刀



Z3

Order Number	Dimension (mm)					B0819
	D	L1	L2	L	d2 (h6)	
800 0100 040 03	1	3		40	3	•
800 0100 040 04				40	4	◦
800 0150 040 03	1.5	4.5		40	3	◦
800 0150 040 04				40	4	◦
800 0200 040 03	2	6.5		40	3	•
800 0200 040 04				40	4	◦
800 0250 040 03	2.5	6.5		40	3	◦
800 0250 040 04				40	4	◦
800 0300	3	9		40	3	◦
800 0300 050 06				50	6	◦
800 0400	4	12		50	4	•
800 0400 050 06				50	6	•
800 0500	5	15		50	5	◦
800 0500 050 06				50	6	◦
800 0600 050	6	16		50	6	•
800 0600 060		20		60	6	◦
800 0800	8			64	8	◦
800 1000 070	10	22		70	10	•
800 1000 075				75	10	◦
800 1200	12	25		75	12	◦
800 1400	14	32		90	14	•
800 1600	16			90	16	◦
800 1800	18	38		100	18	◦
800 2000	20			100	20	◦
800 2200	22	40		100	22	◦
800 2500	25			100	25	◦

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

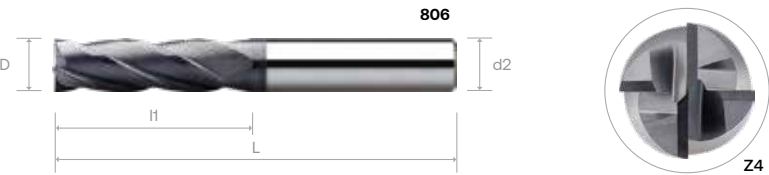
Cutting Parameter

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

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SE 30 LONG ENDMILLS, 4 FLUTES

- VHM SE30 Fräser, lang, 4 Zähne
- Frese lunghe SE 30, 4 taglienti
- Fraises SE 30 Longue - 4 dents
- 整体硬质合金 SE 30 系列 4刃长型平底铣刀



Order Number	Dimension (mm)					B0819
	D	I 1	I 2	L	d2 (h6)	
806 0300	3	19		60	3	•
806 0300 075 06				75	6	◦
806 0400	4			60	4	•
806 0400 075 06				75	6	•
806 0500	5			60	5	•
806 0500 075 06				75	6	•
806 0600	6	31		75	6	•
806 0800	8			75	8	•
806 1000 075	10	50		75	10	•
806 1000 100				100	10	◦
806 1200	12			100	12	•
806 1400	14		57		125	14
806 1600	16			125	16	•
806 1800	18			125	18	◦
806 2000	20			125	20	◦

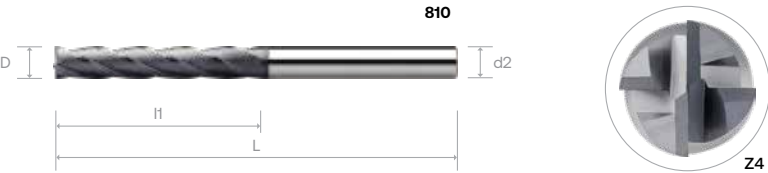
Material Group | Material-Gruppe | Groupe Matiere | Gruppo Materiali | 材质主类

Cutting Parameter

N01	N02	N03	K01	K02	P01	P02	P03	M01	M02	S01	S02	S03	H01	H02	O01	O02	107
◦	◦	◦	◦		◦												

SE 30 EXTRA-LONG ENDMILLS, 4 FLUTES

-  VHM SE 30 Fräser, extra-lang, 4 Zähne
-  Frese extra-lunghe SE 30, 4 taglienti
-  Fraises SE 30 Extra-Longue- 4 dents
-  整体硬质合金 SE 30 系列 4刃加长型平底铣刀



Order Number	Dimension (mm)					B0819
	D	L1	L2	L	d2 (h6)	
810 0300	3	25		100	3	°
810 0300 100 06				100	6	°
810 0400	4	31		100	4	•
810 0400 100 06				100	6	°
810 0500	5	31		100	5	•
810 0500 100 06				100	6	°
810 0600	6	38		100	6	•
810 0800	8	41		100	8	•
810 1000	10	57		125	10	•
810 1200	12	75		150	12	•
810 1400	14			150	14	°
810 1600	16			150	16	•
810 1800	18			150	18	°
810 2000	20			150	20	•

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

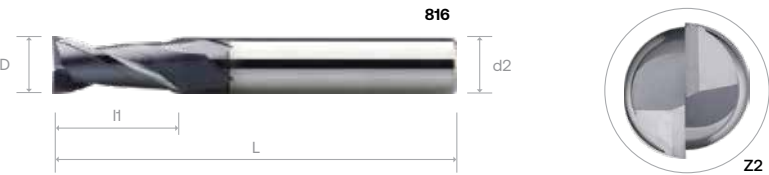
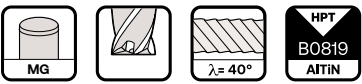
O01

O02

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SE 30 ENDMILLS, 2 FLUTES

- VHM SE 30 Fräser, 2 Zähne
- Frese SE 30, 2 taglienti
- Fraises SE 30 - 2 dents
- 整体硬质合金 SE 30 系列 2刃平底铣刀



Order Number	Dimension (mm)					B0819		
	D	I 1	I 2	L	d2 (h6)			
816 0100 040 03	1	3		40	3	°		
816 0100 040 04				40	4	•		
816 0150 040 03	1.5	4.5		40	3	•		
816 0150 040 04				40	4	°		
816 0200 040 03	2	6.5		40	3	•		
816 0200 040 04				40	4	°		
816 0250 040 03	2.5			40	3	•		
816 0250 040 04				40	4	•		
816 0300	3	9		40	3	•		
816 0300 050 06				50	6	•		
816 0350 050 04	3.5	12		50	4	•		
816 0400	4			50	4	•		
816 0400 050 06	4.5			50	6	•		
816 0450 050 05	5	15		50	5	•		
816 0500			5			50	5	•
816 0500 050 06						50	6	•
816 0550 050 06	5.5			50	6	°		
816 0600 050	6	16		50	6	•		
816 0600 060		20			60	6	°	
816 0700 064 08				64	8	°		
816 0800	8	22		64	8	•		
816 0900 070 10	9			70	10	•		
816 1000 070	10	25		70	10	°		
816 1000 075				75	10	•		
816 1100 075 12	11	32		75	12	°		
816 1200	12			75	12	•		
816 1400	14	38		90	14	•		
816 1600	16			90	16	•		
816 1800	18	40		100	18	•		
816 2000	20			100	20	•		
816 2200	22	40		100	22	°		
816 2500	25			100	25	°		

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	105
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SE 30 ENDMILLS, 3 FLUTES

-  VHM SE 30 Fräser, 3 Zähne
 Frese SE 30, 3 taglienti
 Fraises SE 30 - 3 dents
 整体硬质合金 SE 30 系列 3刃平底铣刀



Z3

Order Number	Dimension (mm)					B0819
	D	I1	I2	L	d2 (h6)	
818 0100 040 03	1	3		40	3	•
818 0100 040 04				40	4	◦
818 0150 040 03	1.5	4.5		40	3	•
818 0150 040 04				40	4	•
818 0200 040 03	2	6.5		40	3	•
818 0200 040 04				40	4	•
818 0250 040 03	2.5			40	3	•
818 0250 040 04				40	4	•
818 0300	3	9		40	3	•
818 0300 050 06				50	6	•
818 0350 050 04	3.5	12		50	4	•
818 0400	4			50	4	•
818 0400 050 06	4.5			50	6	•
818 0450 050 05				50	5	•
818 0500	5	15		50	5	•
818 0500 050 06				50	6	•
818 0550 050 06	5.5	16		50	6	◦
818 0600 050	6			50	6	•
818 0600 060	6			60	6	•
818 0700 064 08			7		64	8
818 0800	8	20		64	8	•
818 0900 070 10	9			70	10	•
818 1000 070	10	22		70	10	•
818 1000 075				75	10	•
818 1100 075 12	11	25		75	12	•
818 1200	12			75	12	•
818 1400	14	32		90	14	•
818 1600	16			90	16	•
818 1800	18	38		100	18	◦
818 2000	20			100	20	•
818 2200	22	40		100	22	◦
818 2500	25			100	25	◦

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

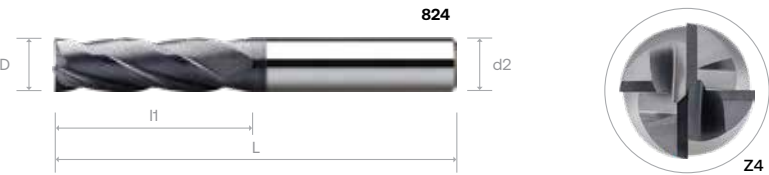
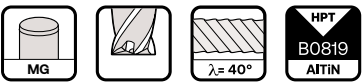
Cutting Parameter

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

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SE 30 LONG ENDMILLS, 4 FLUTES

- VHM SE30 Fräser, lang, 4 Zähne
- Frese lunghe SE 30, 4 taglienti
- Fraises SE 30 Longue - 4 dents
- 整体硬质合金 SE 30 系列 4刃长型平底铣刀



Order Number	Dimension (mm)					B0819
	D	I 1	I 2	L	d2 (h6)	
824 0300	3	19		60	3	◦
824 0300 060 04				60	4	◦
824 0300 075 06				75	6	•
824 0400	4			60	4	•
824 0400 075 06				75	6	◦
824 0500	5			60	5	◦
824 0500 075 06				75	6	•
824 0600	6	31		75	6	•
824 0800	8			75	8	•
824 1000 075	10			75	10	•
824 1000 100		50		100	10	•
824 1200	12			100	12	•
824 1400	14	57		125	14	•
824 1600	16			125	16	•
824 1800	18			125	18	◦
824 2000	20			125	20	•

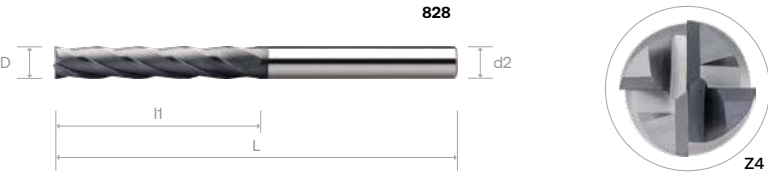
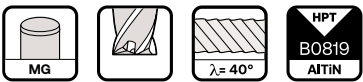
Material Group | Material-Gruppe | Groupe Matiere | Gruppo Materiali | 材质主类

Cutting Parameter

N01	N02	N03	K01	K02	P01	P02	P03	M01	M02	S01	S02	S03	H01	H02	O01	O02	107
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SE 30 EXTRA-LONG ENDMILLS, 4 FLUTES

- VHM SE 30 Fräser, extra-lang, 4 Zähne
- Frese extra-lunghe SE 30, 4 taglienti
- Fraises SE 30 Extra-Longue- 4 dents
- 整体硬质合金 SE 30 系列 4刃加长型平底铣刀



Order Number	Dimension (mm)					B0819
	D	I 1	I 2	L	d2 (h6)	
828 0300	3	25		100	3	•
828 0300 100 04				100	4	◦
828 0300 100 06				100	6	◦
828 0400	4	31		100	4	•
828 0400 100 06				100	6	◦
828 0500	5			100	5	◦
828 0500 100 06				100	6	◦
828 0600	6	38		100	6	•
828 0800	8	41		100	8	•
828 1000	10	57		125	10	•
828 1200	12	75		150	12	•
828 1400	14			150	14	◦
828 1600	16			150	16	◦
828 1800	18			150	18	◦
828 2000	20			150	20	◦

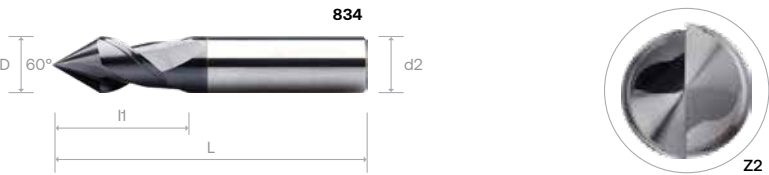
Material Group | Material-Gruppe | Groupe Matiere | Gruppo Materiali | 材质主类

N01N02N03K01K02P01P02P03M01M02S01S02S03H01H02O01O02

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SE 30 MULTI-PURPOSE ENDMILLS WITH 60° POINT ANGLE, 2 FLUTES

- VHM SE 30 Mehrzweck-Fräser, Spitzenwinkel: 60°
- Frese per impiego multiplo SE 30, angolo di punta 60°, 2 taglienti
- Fraises SE 30 multiple usage, 60° angle de pointe
- 整体硬质合金 SE 30 系列 多功能2刀倒角60°铣刀



Order Number	Dimension (mm)					B0819
	D	I1	I2	L	d2 (h6)	
834 0300 040	3	9		40	3	•
834 0400 050	4	12		50	4	•
834 0500 050	5	15		50	5	•
834 0600 050	6	16		50	6	•
834 0800 064	8	20		64	8	•
834 1000 070	10	22		70	10	•
834 1200 075	12	25		75	12	◦
834 1600 090	16	32		90	16	•
834 2000 100	20	38		100	20	•

Condition				
V-Groove	V-Nut	Rainure-V	Ranura V	V-槽
Chamfer	Senken	Chamfreiner	Svasare	倒角
Interpolation	Zirkularfräsen	Interpolation	Interpolazione	插值法
Drilling	Bohren	Percer	Forare	钻孔
Centering-Spotting	Zentrieren / Positionieren	Centrer / Positionner	Centrare / Posizionare	中心钻
Side Milling & Chamfer	Kantenbearbeitung und Senken	Usinage Latéral et Chamfreiner	Asportazione Laterale e Svasare	铣边 & 倒角

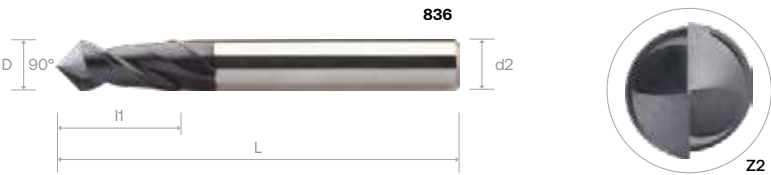
Material Group | Material-Gruppe | Groupe Matiere | Gruppo Materiali | 材质主类

Cutting Parameter

N01	N02	N03	K01	K02	P01	P02	P03	M01	M02	S01	S02	S03	H01	H02	O01	O02	108
○	○	○	○	○	○												

SE 30 MULTI-PURPOSE ENDMILLS WITH 90° POINT ANGLE, 2 FLUTES

- VHM SE 30 Mehrzweck-Fräser, Spitzenwinkel: 90°
- Frese per impiego multiplo SE 30, angolo di punta 90°, 2 taglienti
- Fraises SE 30 multiple usage, 90° angle de pointe
- 整体硬质合金 SE 30 系列 多功能 2刃倒角90°铣刀



Order Number	Dimension (mm)					B0819
	D	I 1	I 2	L	d2 (h6)	
836 0300 040	3	9		40	3	•
836 0400 050	4	12		50	4	•
836 0500 050	5	15		50	5	•
836 0600 050	6	16		50	6	•
836 0800 064	8	20		64	8	•
836 1000 070	10	22		70	10	•
836 1200 075	12	25		75	12	•
836 1600 090	16	32		90	16	•
836 2000 100	20	38		100	20	•

Condition				
V-Groove	V-Nut	Rainure-V	Ranura V	V-槽
Chamfer	Senken	Chamfreiner	Svasare	倒角
Interpolation	Zirkularfräsen	Interpolation	Interpolazione	插值法
Drilling	Bohren	Percer	Forare	钻孔
Centering-Spotting	Zentrieren / Positionieren	Centrer / Positionner	Centrare / Posizionare	中心钻
Side Milling & Chamfer	Kantenbearbeitung und Senken	Usinage Latéral et Chamfreiner	Asportazione Laterale e Svasare	铣边 & 倒角

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

N01

N02

N03

K01

K02

P01

P02

P03

M01

M02

S01

S02

S03

H01

H02

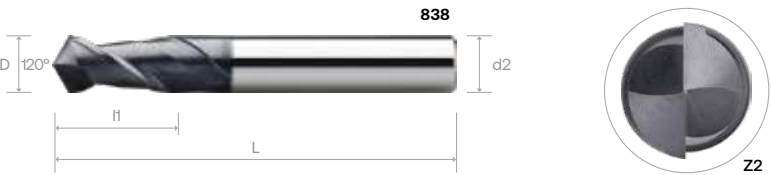
O01

O02

108

SE 30 MULTI-PURPOSE ENDMILLS WITH 120° POINT ANGLE, 2 FLUTES

- VHM SE 30 Mehrzweck-Fräser, Spitzenwinkel: 120°
- Frese per impiego multiplo SE 30, angolo di punta 120°, 2 taglienti
- Fraises SE 30 multiple usage, 120° angle de pointe
- 整体硬质合金 SE 30 系列 多功能 2刃倒角120°铣刀



Order Number	Dimension (mm)					B0819
	D	I1	I2	L	d2 (h6)	
838 0300 040	3	9		40	3	°
838 0400 050	4	12		50	4	°
838 0500 050	5	15		50	5	°
838 0600 050	6	16		50	6	°
838 0800 064	8	20		64	8	°
838 1000 070	10	22		70	10	°
838 1200 075	12	25		75	12	°
838 1600 090	16	32		90	16	°
838 2000 100	20	38		100	20	°

Condition				
V-Groove	V-Nut	Rainure-V	Ranura V	V-槽
Chamfer	Senken	Chamfreiner	Svasare	倒角
Interpolation	Zirkularfräsen	Interpolation	Interpolazione	插值法
Drilling	Bohren	Percer	Forare	钻孔
Centering-Spotting	Zentrieren / Positionieren	Centrer / Positionner	Centrare / Posizionare	中心钻
Side Milling & Chamfer	Kantenbearbeitung und Senken	Usinage Latéral et Chamfreiner	Asportazione Laterale e Svasare	铣边 & 倒角

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

Cutting Parameter

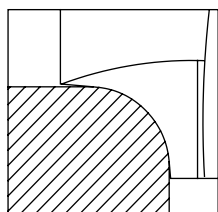
N01	N02	N03	K01	K02	P01	P02	P03	M01	M02	S01	S02	S03	H01	H02	O01	O02	108
○	○	○	○	○	○												

ROUND CORNER MILLING CUTTERS, 4 FLUTES

- VHM Viertelrund Profilfräser, 4 Zähne
 Frese raggate per contornatura, 4 taglienti
 Fraises 1/4 de cercle, 4 dents
 整体硬质合金 4刃内圆弧R角铣刀



Order Number	Dimension (mm)						B0819
	D ± 0.1	R ± 0.02	I1	I2	L	d2 (h6)	
398 0025 010	1.0	0.25	49.48	7	50	3	•
398 0030 010		0.30	49.46	7	50	3	•
398 0040 010		0.40	49.36	7	50	3	•
398 0050 015	1.5	0.50	49.24	10	50	4	•
398 0060 015		0.60	49.14	10	50	4	°
398 0070 015		0.70	49.05	10	50	4	°
398 0080 015		0.80	48.96	10	50	4	•
398 0090 015		0.90	48.87	10	50	4	°
398 0100 015		1.00	48.78	10	50	4	•
398 0125 020	2.0	1.25	48.49	12	50	6	•
398 0150 020		1.50	48.26	12	50	6	•
398 0175 020		1.75	48.03	12	50	6	°
398 0200 025	2.5	2.00	47.74	14	50	8	•
398 0225 025		2.25	47.51	14	50	8	°
398 0250 025		2.50	47.28	14	50	8	•
398 0150 035	3.5	1.50	68.27	16	70	10	°
398 0200 030	3.0	2.00	67.84	16	70	10	°
398 0250 035	3.5	2.50	72.36	18	75	12	°
398 0300 030	3.0	3.00	71.92	18	75	12	•
398 0350 045	4.5	3.50	86.4	20	90	16	°
398 0400 040	4.0	4.00	85.96	20	90	16	°
398 0450 035	3.5	4.50	85.52	20	90	16	°
398 0500 030	3.0	5.00	85.09	20	90	16	°
398 0550 045	4.5	5.50	94.56	22	100	20	°
398 0600 040	4.0	6.00	94.13	22	100	20	°



These cutters are designed for CNC machines. They allow to machine even very thin materials. Easy to regrind.

- Diese Profilfräser sind für den Einsatz auf CNC Maschinen, und für die Bearbeitung dünner Werkstücke geeignet und leicht nachschleifbar.
 Queste frese 1/4 circolari sono concepite per l'impiego su centri CNC, e permettono di lavorare parti sottili. Riaffilatura facile.
 Ces fraises 1/4 de cercle sont conçues pour l'emploi sur des centres CNC, et permettent d'usiner des matériaux très minces. Faciles à réaffûter.
 此切削刀是專為CNC加工中心設計使用。可以在非常薄片工件加工。容易再磨研。

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

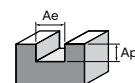
Cutting Parameter

N01	N02	N03	K01	K02	P01	P02	P03	M01	M02	S01	S02	S03	H01	H02	O01	O02	108
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Note: These recommended cutting data indicators are just for reference. They should be adjusted according to the different cutting condition

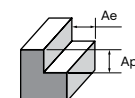


SE 30 Endmills, 2 Flutes - 798, 816



Slotting	N						K	P		
Working Material	Wrought Aluminium		Cast Aluminium		Copper alloy		Grey Cast Iron		Carbon steel	
Properties	Si < 9%		Si ≥ 9%		-		-		-	
Cutting depth, ap	0.55 x D		0.55 x D		0.55 x D		0.50 x D		0.50 x D	
Cutting Width, ae	1.00 x D		1.00 x D		0.24 x D		1.00 x D		1.00 x D	
D	Vc	Fz	Vc	Fz	Vc	Fz	Vc	Fz	Vc	Fz
1	230	0.009	210	0.009	180	0.008	80	0.009	115	0.006
2		0.018		0.017		0.016		0.019		0.015
3		0.024		0.023		0.022		0.025		0.024
4		0.032		0.031		0.029		0.034		0.032
5		0.040		0.038		0.036		0.042		0.040
6		0.050		0.048		0.045		0.053		0.049
8		0.067		0.064		0.061		0.071		0.067
10		0.085		0.081		0.077		0.090		0.083
12		0.101		0.096		0.091		0.106		0.098
14		0.118		0.112		0.106		0.123		0.115
16		0.128		0.121		0.115		0.134		0.129
18		0.144		0.137		0.130		0.151		0.145
20		0.145		0.138		0.131		0.152		0.155
22		0.149		0.141		0.134		0.156		0.168
25		0.162		0.154		0.146		0.170		0.189

SE 30 Endmills, 2 Flutes - 798, 816



Side Milling	N						K		P	
Working Material	Wrought Aluminium		Cast Aluminium		Copper alloy		Grey Cast Iron		Carbon steel	
Properties	Si < 9%		Si ≥ 9%		-		-		-	
Cutting depth, ap	1.00 x D		1.00 x D		1.00 x D		1.00 x D		1.00 x D	
Cutting Width, ae	0.30 x D		0.30 x D		0.30 x D		0.25 x D		0.25 x D	
D	Vc	Fz	Vc	Fz	Vc	Fz	Vc	Fz	Vc	Fz
1	280	0.011	250	0.010	210	0.010	120	0.011	140	0.006
2		0.022		0.021		0.020		0.023		0.012
3		0.029		0.028		0.026		0.030		0.021
4		0.039		0.037		0.035		0.041		0.028
5		0.048		0.046		0.044		0.051		0.034
6		0.060		0.057		0.055		0.064		0.044
8		0.081		0.077		0.073		0.085		0.059
10		0.102		0.097		0.092		0.108		0.075
12		0.121		0.115		0.109		0.127		0.094
14		0.141		0.134		0.127		0.148		0.107
16		0.153		0.146		0.138		0.161		0.123
18		0.172		0.164		0.156		0.181		0.133
20		0.174		0.165		0.157		0.182		0.143
22		0.178		0.169		0.161		0.187		0.152
25		0.195		0.185		0.176		0.204		0.162

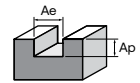
Recommended Cutting Data



Note: These recommended cutting data indicators are just for reference. They should be adjusted according to the different cutting condition

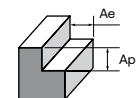


SE 30 Endmills, 3 Flutes - 800, 818



Slotting	N						K		P	
Working Material	Wrought Aluminium		Cast Aluminium		Copper alloy		Grey Cast Iron		Carbon steel	
Properties	Si < 9%		Si ≥ 9%		-		-		-	
Cutting depth, ap	0.55 x D		0.55 x D		0.55 x D		0.50 x D		0.50 x D	
Cutting Width, ae	1.00 x D		1.00 x D		0.24 x D		1.00 x D		1.00 x D	
D	Vc	Fz	Vc	Fz	Vc	Fz	Vc	Fz	Vc	Fz
1	230	0.009	210	0.009	180	0.008	80	0.008	115	0.005
2		0.018		0.017		0.015		0.016		0.011
3		0.024		0.023		0.022		0.025		0.018
4		0.032		0.030		0.029		0.034		0.024
5		0.040		0.038		0.036		0.042		0.030
6		0.050		0.048		0.045		0.053		0.037
8		0.067		0.064		0.061		0.071		0.050
10		0.085		0.081		0.077		0.089		0.063
12		0.101		0.096		0.091		0.106		0.074
14		0.117		0.111		0.106		0.123		0.087
16		0.127		0.121		0.115		0.134		0.097
18		0.143		0.136		0.129		0.150		0.110
20		0.145		0.138		0.131		0.152		0.118
22		0.159		0.151		0.144		0.167		0.128
25		0.163		0.155		0.147		0.171		0.143

SE 30 Endmills, 3 Flutes - 800, 818



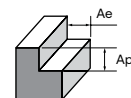
Side Milling	N						K		P	
Working Material	Wrought Aluminium		Cast Aluminium		Copper alloy		Grey Cast Iron		Carbon steel	
Properties	Si < 9%		Si ≥ 9%		-		-		-	
Cutting depth, ap	1.00 x D		1.00 x D		1.00 x D		1.00 x D		1.00 x D	
Cutting Width, ae	0.30 x D		0.30 x D		0.30 x D		0.25 x D		0.25 x D	
D	Vc	Fz	Vc	Fz	Vc	Fz	Vc	Fz	Vc	Fz
1	280	0.011	250	0.010	210	0.010	120	0.011	140	0.005
2		0.022		0.021		0.020		0.023		0.010
3		0.029		0.027		0.026		0.030		0.016
4		0.038		0.037		0.035		0.040		0.021
5		0.048		0.046		0.043		0.050		0.027
6		0.060		0.057		0.054		0.063		0.034
8		0.081		0.077		0.073		0.085		0.047
10		0.102		0.097		0.092		0.107		0.059
12		0.121		0.115		0.109		0.127		0.074
14		0.141		0.134		0.127		0.148		0.084
16		0.153		0.145		0.138		0.160		0.096
18		0.172		0.163		0.155		0.181		0.103
20		0.174		0.165		0.157		0.182		0.112
22		0.191		0.181		0.172		0.201		0.117
25		0.195		0.185		0.176		0.205		0.127

ALU LINE
 EZ LINE -
 ENDMILL
 SE 30
 NITCO 30
 OPTIMUM
 SE 45
 SE 45X
 NITCO 45
 SE 60
 SE 60X
 DM70 -
 SE 70
 SE GR
 TE 45
 PLUNGE
 -MILL
 THREAD
 MILL

Note: These recommended cutting data indicators are just for reference. They should be adjusted according to the different cutting condition

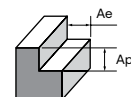


SE 30 Long Endmills, 4 Flutes - 806, 824



Side Milling	N						K	P		
Working Material	Wrought Aluminium		Cast Aluminium		Copper alloy		Grey Cast Iron		Carbon steel	
Properties	Si < 9%		Si ≥ 9%		-		-		-	
Cutting depth, ap	1.50 x D		1.50 x D		1.50 x D		1.50 x D		1.50 x D	
Cutting Width, ae	0.25 x D		0.25 x D		0.25 x D		0.20 x D		0.20 x D	
D	Vc	Fz	Vc	Fz	Vc	Fz	Vc	Fz	Vc	Fz
3	220	0.015	190	0.014	150	0.012	100	0.010	120	0.012
4		0.021		0.019		0.018		0.015		0.017
5		0.027		0.025		0.023		0.021		0.023
6		0.033		0.031		0.030		0.028		0.029
8		0.045		0.043		0.041		0.041		0.041
10		0.059		0.055		0.055		0.056		0.055
12		0.073		0.069		0.069		0.073		0.071
14		0.083		0.078		0.077		0.079		0.078
16		0.091		0.086		0.084		0.084		0.084
18		0.100		0.093		0.090		0.086		0.088
20		0.107		0.099		0.094		0.087		0.092

SE 30 Extra-Long Endmills, 4 Flutes - 810, 828



Side Milling	N						K		P	
Working Material	Wrought Aluminium		Cast Aluminium		Copper alloy		Grey Cast Iron		Carbon steel	
Properties	Si < 9%		Si ≥ 9%		-		-		-	
Cutting depth, ap	2.00 x D		2.00 x D		2.00 x D		2.00 x D		2.00 x D	
Cutting Width, ae	0.22 x D		0.22 x D		0.22 x D		0.18 x D		0.18 x D	
D	Vc	Fz	Vc	Fz	Vc	Fz	Vc	Fz	Vc	Fz
3	190	0.015	160	0.013	120	0.012	80	0.012	90	0.010
4		0.021		0.018		0.017		0.018		0.015
5		0.027		0.024		0.023		0.023		0.021
6		0.033		0.031		0.029		0.029		0.028
8		0.046		0.043		0.041		0.040		0.041
10		0.060		0.056		0.055		0.053		0.056
12		0.074		0.071		0.071		0.067		0.073
14		0.084		0.079		0.078		0.075		0.079
16		0.093		0.086		0.084		0.083		0.084
18		0.100		0.093		0.088		0.089		0.086
20		0.108		0.098		0.092		0.095		0.087

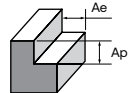
Note: These recommended cutting data indicators are just for reference. They should be adjusted according to the different cutting condition



SE 30 Multi-Purpose Endmills, 2 Flutes - 834, 836, 838

Chamfering	N						K		P	
Working Material	Wrought Aluminium		Cast Aluminium		Copper alloy		Grey Cast Iron		Carbon steel	
Properties	Si < 9%		Si ≥ 9%		-		-		-	
Cutting depth, ap										
Cutting Width, ae										
D	Vc	Fz	Vc	Fz	Vc	Fz	Vc	Fz	Vc	Fz
3	230	0.026	200	0.023	160	0.020	110	0.020	130	0.021
4		0.037		0.033		0.028		0.028		0.029
5		0.047		0.043		0.037		0.036		0.037
6		0.059		0.054		0.047		0.045		0.046
8		0.081		0.075		0.065		0.063		0.063
10		0.105		0.097		0.085		0.081		0.081
12		0.131		0.123		0.107		0.103		0.101
16		0.164		0.151		0.157		0.128		0.127
20		0.191		0.173		0.180		0.149		0.150

SE 30 Miniature Round Corner Milling Cutter, 4 Flutes - 398



Side Milling	N						K		P	
Working Material	Wrought Aluminium		Cast Aluminium		Copper alloy		Grey Cast Iron		Carbon steel	
Properties	Si < 9%		Si ≥ 9%		-		-		-	
Cutting depth, ap	0.24xD		0.24xD		0.24xD		0.24xD		0.24xD	
Cutting Width, ae	0.02xD		0.02xD		0.02xD		0.02xD		0.02xD	
D	Vc	Fz	Vc	Fz	Vc	Fz	Vc	Fz	Vc	Fz
1	315	0.008	205	0.006	135	0.005	175	0.003	240	0.003
2		0.008		0.010		0.011		0.006		0.005
3		0.012		0.015		0.017		0.009		0.008
4		0.017		0.021		0.024		0.013		0.011
5		0.022		0.027		0.032		0.018		0.015
6		0.027		0.033		0.040		0.022		0.018