

A100 Series for Aluminium Alloy



- Micro grain carbide rod is suitable for general machining.
- High efficient processing can be achieved by great chip evacuation.
- High helix angle offers stable and excellent finished surface in high speed.
- Radial flute design is good for chip evacuation and easy of machining.

Appearance	Series	Code No .	Ø Range	Num. of Teeth	Helix Angle	Coating	Working Materials							Page
							P	M	K	N	S	H		

A100 Seriesfor Aluminium Alloy

	Square Type - 2F 鎢鋼平銑刀 - 標準型 - 2 刃	ENSFS2, ENSSS2	Ø1~Ø20							✓				A152
	Square Type - 3F 鎢鋼平銑刀 - 標準型 - 3 刃	ENSFS3, ENSSS3	Ø2~Ø20							✓				A153
	Square & Long Flute Type - 3F 鎢鋼平銑刀 - 長刃型 - 3 刃	ENSCS3	Ø3~Ø20							✓				A154
	Square & High Helix Type - 3F 鎢鋼平銑刀 - 高導型 - 3 刃	ENSSH3	Ø4~Ø16							✓				A155
	High Performance Square Type - 3F (for side milling) 鎢鋼平銑刀 - 高效能型 - 3 刃	ENSSB3	Ø4~Ø20							✓				A156
	Fine-Finishing Square Type - 3F 鎢鋼平銑刀 - 高光鏡面型 - 3 刃	ENSSP3	Ø6~Ø16							✓				A157
	Ball Nose Type - 2F 鎢鋼球型銑刀 - 標準型 - 2 刃	ENBFA2, ENBSA2	0.5R~8R							✓				A158

Solid Carbide Endmills

A100 - Square Type - 2F

鎢鋼平銑刀 - 標準型 - 2 刃

- Suitable for cutting non-ferrous metals, Aluminum, Aluminum Alloy, Copper (HRC< 20).
- CrN coating is optional for Copper Electrode and high Si(>12%) content Aluminum Alloy.
- High Helix offers excellent and stable finished surfaces in high speed.
- Great chip evacuation and flute polishing increase cutting surface and feed rate.

ENSFS2
ENSSS2

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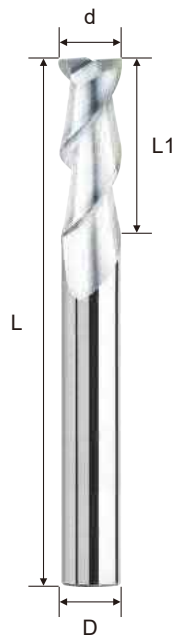
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45°

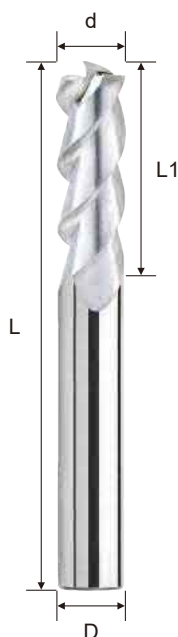
d	Tolerance
Ø < 3	0 ~ -0.02
3 ≤ Ø ≤ 10	0 ~ -0.03
Ø > 10	0 ~ -0.04

Order No.	Dia. (d)	CL (L1)	OAL (L)	Shank (D)	Flutes (F)
ENSFS201000	1	3	50	4	2
ENSFS202000	2	6	50	4	2
ENSFS203000	3	9	50	4	2
ENSFS204000	4	12	50	4	2
ENSSS204000	4	12	50	6	2
ENSSS205000	5	15	50	6	2
ENSSS206000	6	15	50	6	2
ENSSS208000	8	20	60	8	2
ENSSS210000	10	30	75	10	2
ENSSS212000	12	30	75	12	2
ENSSS216000	16	40	100	16	2
ENSSS220000	20	45	100	20	2

Cutting conditions (建議切削參數表) : Table 062

- ## Solid Carbide Endmills

P M K N S H



Order No.	Dia. (d)	CL (L1)	OAL (L)	Shank (D)	Flutes (F)
ENSFS302000	2	6	50	4	3
ENSFS303000	3	9	50	4	3
ENSFS304000	4	12	50	4	3
ENSSS304000	4	12	50	6	3
ENSSS305000	5	15	50	6	3
ENSSS306000	6	15	50	6	3
ENSSS308000	8	20	60	8	3
ENSSS310000	10	30	75	10	3
ENSSS312000	12	30	75	12	3
ENSSS316000	16	40	100	16	3
ENSSS320000	20	45	100	20	3

A153

A100 - Long Flute Square Type - 3F

鎢鋼平銑刀 - 長刃型 - 3刃

- Suitable for cutting non-ferrous metals, Aluminum, Aluminum Alloy, Copper (HRC< 20)
- CrN coating is optional for Copper Electrode and high Si(>12%) content Aluminum Alloy.
- High Helix offers excellent and stable finished surfaces in high speed.
- Great chip evacuation and flute polishing get good cutting surface and high feed rate.

ENSCS3

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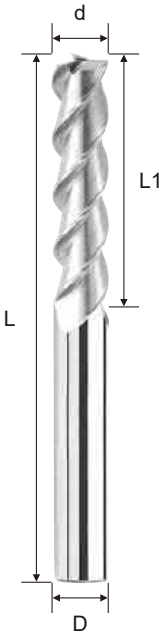
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d	Tolerance
Ø < 3	0 ~ -0.02
3 ≤ Ø ≤ 10	0 ~ -0.03
Ø > 10	0 ~ -0.04

Order No.	Dia. (d)	CL (L1)	OAL (L)	Shank (D)	Flutes (F)
ENSCS303000	3	15	60	6	3
ENSCS304000	4	20	60	6	3
ENSCS305000	5	25	60	6	3
ENSCS306000	6	30	75	6	3
ENSCS308000	8	45	100	8	3
ENSCS310000	10	55	100	10	3
ENSCS312000	12	55	100	12	3
ENSCS316000	16	75	150	16	3
ENSCS320000	20	90	150	20	3

Cutting conditions (建議切削參數表) : Table 062

A100 - High Helix Square Type - 3F

鎢鋼平銑刀 - 高導型 - 3 刃

- Suitable for cutting non-ferrous metals, Aluminum, Aluminum Alloy, Copper (HRC< 20).
- CrN coating is optional for Copper Electrode and high Si(>12%) content Aluminum Alloy.
- 55° degree Helix offers excellent and stable finished surfaces in high speed side milling.
- Flute polishing gives a very good cutting surface and high feed rate.

Solid Carbide Endmills

ENSSH3

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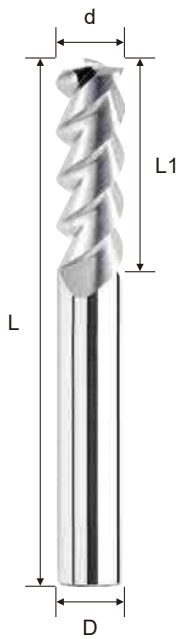
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Order No.	Dia. (d)	CL (L1)	OAL (L)	Shank (D)	Flutes (F)
ENSSH304000	4	12	50	6	3
ENSSH305000	5	15	50	6	3
ENSSH306000	6	15	50	6	3
ENSSH308000	8	20	60	8	3
ENSSH310000	10	30	75	10	3
ENSSH312000	12	30	75	12	3
ENSSH316000	16	40	100	16	3

Cutting conditions (建議切削參數表) : Table 062

d	Tolerance
Ø < 3	0 ~ -0.02
3 ≤ Ø ≤ 10	0 ~ -0.03
Ø > 10	0 ~ -0.04

鎢鋼平銑刀 - 高效能型 - 3 刃

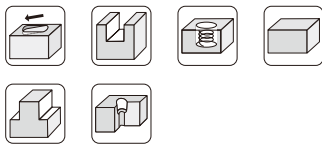
- # ENSSB3

鎢鋼平銑刀 - 高光鏡面型 - 3 刃

- ## Solid Carbide Endmills

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A157

A100 - Ball Nose Type - 2F

鎢鋼球型銑刀 - 標準型 - 2 刃

- Suitable for cutting non-ferrous metals, Aluminum, Aluminum Alloy, Copper (HRC< 20).
- CrN coating is optional for Copper Electrode and high Si(>12%) content Aluminum Alloy.
- Great chip evacuation.
- Due to polish surface grinding of cutting it provides an excellent surface.
- New tool geometry increases wear resistance and cutting force is decreased.

ENBFA2
ENBSA2

P

M

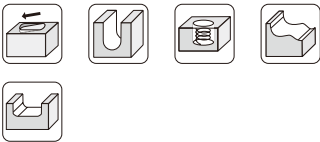
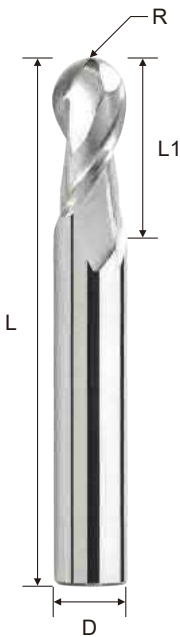
K

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MG

R

35°

HRC

20

d	R Tolerance
Ø	± 0.02

Order No.	Radius (R)	Dia. (d)	CL (L1)	OAL (L)	Shank (D)	Flutes (F)
ENBFA201000	0.5R	1	2	50	4	2
ENBFA202000	1.0R	2	4	50	4	2
ENBFA203000	1.5R	3	6	50	4	2
ENBFA204000	2.0R	4	8	50	4	2
ENBSA204000	2.0R	4	8	50	6	2
ENBSA205000	2.5R	5	10	50	6	2
ENBSA206000	3.0R	6	12	50	6	2
ENBSA208000	4.0R	8	16	60	8	2
ENBSA210000	5.0R	10	20	75	10	2
ENBSA212000	6.0R	12	24	75	12	2
ENBSA216000	8.0R	16	32	100	16	2

Cutting conditions (建議切削參數表) : Table 063