



- High efficiency machining.
- Excellent compatibility.
- SICO coating.
- Flexible adapter.

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

WinMaster SeriesReplaceable Endmills, up to HRC 60

	Anti-Vibration Square Type - 4F 鎢鋼平銑刀 - 鎖牙式抗震 PD 型 - 4 刃	EPSWH4	Ø10~Ø20			SICO	✓	✓	✓	✓		✓	A160
	Ball Nose Type - 2F 鎢鋼球型銑刀 - 鎖牙式標準型 - 2 刃	EPBWH2	5R~10R			SICO	✓	✓	✓	✓		✓	A161
	Anti-Vibration Corner Radius Type - 4F 鎢鋼圓鼻銑刀 - 鎖牙式抗震 PD 型 - 4 刃	EPCWH4	Ø10~Ø20			SICO	✓	✓	✓	✓		✓	A162
	Carbide Extension Adapter (Anti-Vibration) 鎢鋼鎖牙式抗震延長桿	SWSEA	M5~M12										A163
	Carbide Extension Adapter (Anti-Vibration) 鎢鋼鎖牙式抗震延長桿	SWSEB	M6~M12										A164
	Carbide Extension Adapter (Anti-Vibration) 鎢鋼鎖牙式抗震延長桿	SWTEA	M5~M12										A165

Solid Carbide Endmills

EPSWH4

P

M

K

N

S

H

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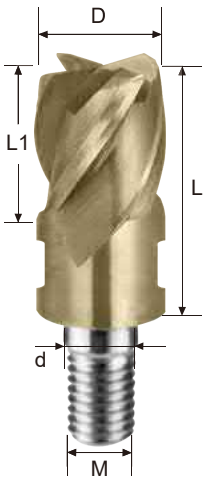
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d	Tolerance
Ø ≤ 12	0 ~ -0.02
Ø > 12	0 ~ -0.03

Order No.	Dia. (D)	CL (L1)	ND (d)	M (M)	Flutes (F)
EPSWH410000S	10	10	5.5	M5	4
EPSWH412000S	12	12	6.5	M6	4
EPSWH416000S	16	16	8.5	M8	4
EPSWH420000S	20	20	10.5	M10	4

Cutting conditions (建議切削參數表) : Table 064

EPBWH2

P

M

K

N

S

H

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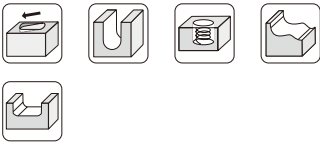
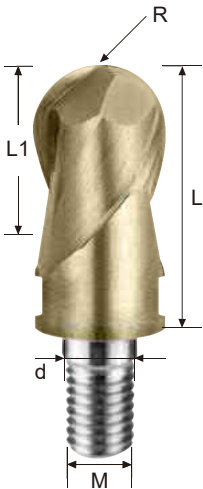
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Icon of a ball nose endmill

MG

SICO

R

30°

HRC 55

d	R Tolerance
Ø ≤ 12	± 0.01
Ø > 12	± 0.015

Order No.	Radius (R)	Dia. (D)	CL (L1)	ND (d)	M (M)	Flutes (F)
EPBWH210000S	5R	10	10	5.5	M5	2
EPBWH212000S	6R	12	12	6.5	M6	2
EPBWH216000S	8R	16	16	8.5	M8	2
EPBWH220000S	10R	20	20	10.5	M10	2

Solid Carbide Endmills

Cutting conditions (建議切削參數表) : Table 065

EPCWH4

P

M

K

N

S

H

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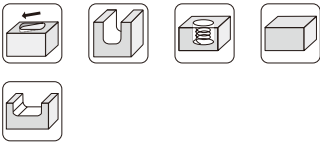
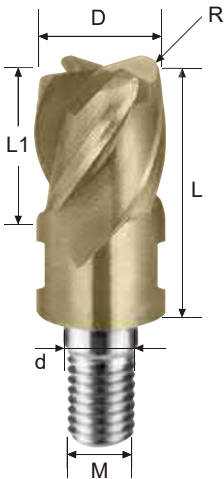
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MG

SICO

30°

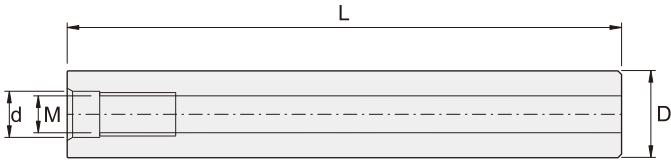
HRC 55

d	Tolerance
Ø ≤ 12	0 ~ -0.02
Ø > 12	0 ~ -0.03

Order No.	Dia. (D)	Corner Radius (R)	CL (L1)	ND (d)	M (M)	Flutes (F)
EPCWH410005S	10	0.5R	10	5.5	M5	4
EPCWH410010S	10	1.0R	10	5.5	M5	4
EPCWH410020S	10	2.0R	10	5.5	M5	4
EPCWH412005S	12	0.5R	12	6.5	M6	4
EPCWH412010S	12	1.0R	12	6.5	M6	4
EPCWH412020S	12	2.0R	12	6.5	M6	4
EPCWH412030S	12	3.0R	12	6.5	M6	4
EPCWH416010S	16	1.0R	16	8.5	M8	4
EPCWH416020S	16	2.0R	16	8.5	M8	4
EPCWH416030S	16	3.0R	16	8.5	M8	4
EPCWH420010S	20	1.0R	20	10.5	M10	4
EPCWH420020S	20	2.0R	20	10.5	M10	4
EPCWH420030S	20	3.0R	20	10.5	M10	4

Cutting conditions (建議切削參數表) : Table 064

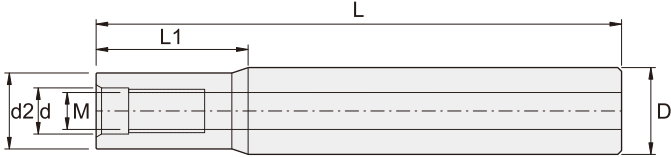
SWSEA



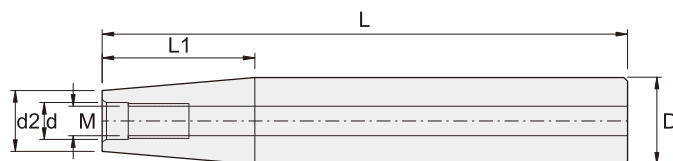
Solid Carbide Endmills

Order No.	Dimensions, mm			
	d	L	D	M
ISWSEA050750	5.5	75	10	M5
ISWSEA051000	5.5	100	10	M5
ISWSEA051500	5.5	150	10	M5
ISWSEA061001	5.5	100	10	M6
ISWSEA061501	5.5	150	10	M6
ISWSEA060750	6.5	75	12	M6
ISWSEA061000	6.5	100	12	M6
ISWSEA061500	6.5	150	12	M6
ISWSEA062000	6.5	200	12	M6
ISWSEA081000	8.5	100	16	M8
ISWSEA081500	8.5	150	16	M8
ISWSEA082000	8.5	200	16	M8
ISWSEA082500	8.5	250	16	M8
ISWSEA101000	10.5	100	20	M10
ISWSEA101500	10.5	150	20	M10
ISWSEA102000	10.5	200	20	M10
ISWSEA102500	10.5	250	20	M10
ISWSEA103000	10.5	300	20	M10
ISWSEA121000	12.5	100	25	M12
ISWSEA121500	12.5	150	25	M12
ISWSEA122000	12.5	200	25	M12
ISWSEA122500	12.5	250	25	M12
ISWSEA123000	12.5	300	25	M12

SWSEB



Order No.	Dimensions, mm					
	d	d2	L1	L	D	M
ISWSEB0610024	6.5	11.8	24	100	12	M6
ISWSEB0615024	6.5	11.5	24	150	12	M6
ISWSEB0815030	8.5	15	30	150	16	M8
ISWSEB0820040	8.5	15	40	200	16	M8
ISWSEB1015040	10.5	19	40	150	20	M10
ISWSEB1020040	10.5	19	40	200	20	M10
ISWSEB1215048	12.5	24	48	150	25	M12
ISWSEB1220048	12.5	24	48	200	25	M12



Order No.	Dimensions, mm					
	d	d2	L1	L	D	M
ISWTEA051500	5.5	9.8	60	150	12	M5
ISWTEA061500	6.5	11.8	70	150	16	M6
ISWTEA082000	8.5	15.5	90	200	20	M8
ISWTEA102000	10.5	19.8	90	200	25	M10
ISWTEA122000	12.5	24.5	90	200	32	M12

Solid Carbide Endmills