

G550 Serie for Mold & Alloy steel, up to HRC 55



- Micro grain carbide rod is suitable for general machining.
- UNICO coating provides superior wear resistance and reduces the coefficient of friction.
- Stabilization of the cutting edge by edge flatland design and prevent chipping at corners.
- Universal geometry design is suitable for most materials.

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

G550 Series for Mold & Alloy steel, up to HRC 55

	Square Type - 2F 鎢鋼平銑刀 - 標準型 - 2 刃	EPSFC2, EPSSC2	Ø0.2~Ø25	2	30°	UNICO	✓	✓	✓				✓	A066
	Square Type - 3F 鎢鋼平銑刀 - 標準型 - 3 刃	EPSFC3, EPSSC3	Ø1~Ø25	3	30°	UNICO	✓	✓	✓				✓	A067
	Square Type - 4F 鎢鋼平銑刀 - 標準型 - 4 刃	EPSFC4, EPSSC4	Ø1~Ø25	4	30°	UNICO	✓	✓	✓				✓	A068
	Anti-Vibration Square Type - 4F 鎢鋼平銑刀 - 抗震不等型 - 4 刃	EPSSD4	Ø5~Ø16	4	30°	UNICO	✓	✓	✓				✓	A069
	High Helix Square Type - 4F 鎢鋼平銑刀 - 高導型 - 4 刃	EPSFH4, EPSSH4	Ø3~Ø16	4	45°	UNICO	✓	✓	✓				✓	A070
	Long Flute Square Type - 4F 鎢鋼平銑刀 - 長刃型 - 4 刃	EPSCC4	Ø3~Ø25	4	35°	UNICO	✓	✓	✓				✓	A071
	High Helix Square Type - 6F 鎢鋼平銑刀 - 高導型 - 6 刃	EPSSH6, EPSCH6	Ø6~Ø16	6	45°	UNICO	✓	✓	✓				✓	A072
	Long Shank Square Type - 2F 鎢鋼平銑刀 - 長柄型 - 2 刃	EPSLC2, EPSMC2 EPSNC2	Ø4~Ø20	2	30°	UNICO	✓	✓	✓				✓	A073
	Long Shank Square Type - 4F 鎢鋼平銑刀 - 長柄型 - 4 刃	EPSLC4, EPSMC4 EPSNC4	Ø3~Ø20	4	30°	UNICO	✓	✓	✓				✓	A074
	Roughing Square Type - 4F 鎢鋼平銑刀 - 粗銑型 - 4 刃	EPSRR4	Ø6~Ø20	4	30°	UNICO	✓	✓	✓				✓	A075
	Long Neck Square Type - 2F 鎢鋼平銑刀 - 長頸型 - 2 刃	EPSBC2, EPSRC2	Ø0.2~Ø12	2	30°	UNICO	✓	✓	✓				✓	A076 ~ A081
	Long Neck Square Type - 4F 鎢鋼平銑刀 - 長頸型 - 4 刃	EPSBC4, EPSRC4	Ø1~Ø12	4	30°	UNICO	✓	✓	✓				✓	A082 ~ A084
	Taper Square Type - 2F 鎢鋼平銑刀 - 斜度型 - 2 刃	EPSFT2, EPSST2	Ø1~Ø10	2	35°	UNICO	✓	✓	✓				✓	A085 ~ A087
	Ball Nose Type - 2F 鎢鋼球型銑刀 - 標準型 - 2 刃	EPBFC2, EPBSC2	0.1R~10R	2	30°	UNICO	✓	✓	✓				✓	A088
	Ball Nose Type - 4F 鎢鋼球型銑刀 - 標準型 - 4 刃	EPBFC4, EPBSC4	1R~10R	4	30°	UNICO	✓	✓	✓				✓	A089
	Long Shank Ball Nose Type - 2F 鎢鋼球型銑刀 - 長柄型 - 2 刃	EPBLC2, EPBMC2 EPBNC2	1.5R~10R	2	30°	UNICO	✓	✓	✓				✓	A090
	Long Shank Ball Nose Type - 4F 鎢鋼球型銑刀 - 長柄型 - 4 刃	EPBLC4, EPBMC4 EPBNC4	2R~8R	4	30°	UNICO	✓	✓	✓				✓	A091
	Long Neck Ball Nose Type - 2F 鎢鋼球型銑刀 - 長頸型 - 2 刃	EPBBC2, EPBRC2	0.15R~6R	2	30°	UNICO	✓	✓	✓				✓	A092 ~ A096
	Taper Ball Nose Type - 2F 鎢鋼球型銑刀 - 斜度型 - 2 刃	EPBFT2, EPBST2	1R~3R	2	30°	UNICO	✓	✓	✓				✓	A097
	Taper Neck Ball Nose Type - 2F 鎢鋼球型銑刀 - 斜頸型 - 2 刃	EPBRT2	0.5R~2R	2	30°	UNICO	✓	✓	✓				✓	A098
	Corner Radius Type - 2F 鎢鋼圓鼻銑刀 - 標準型 - 2 刃	EPCSC2	Ø4~Ø12	2	30°	UNICO	✓	✓	✓				✓	A099
	Corner Radius Type - 4F 鎢鋼圓鼻銑刀 - 標準型 - 4 刃	EPCSC4	Ø1~Ø12	4	30°	UNICO	✓	✓	✓				✓	A100
	High Helix Corner Radius Type - 4F 鎢鋼圓鼻銑刀 - 高導型 - 4 刃	EPCSH4	Ø3~Ø12	4	45°	UNICO	✓	✓	✓				✓	A101
	Long Shank Corner Radius Type - 4F 鎢鋼圓鼻銑刀 - 長柄型 - 4 刃	EPCLC4	Ø4~Ø16	4	30°	UNICO	✓	✓	✓				✓	A102
	Long Neck Corner Radius Type - 2F 鎢鋼圓鼻銑刀 - 長頸型 - 2 刃	EPCBC2, EPCRC2	Ø1~Ø12	2	30°	UNICO	✓	✓	✓				✓	A103 ~ A109
	Long Neck Corner Radius Type - 4F 鎢鋼圓鼻銑刀 - 長頸型 - 4 刃	EPCBC4, EPCRC4	Ø2~Ø12	4	30°	UNICO	✓	✓	✓				✓	A110 ~ A114
	Taper Neck Corner Radius Type - 2F 鎢鋼圓鼻銑刀 - 斜頸型 - 2 刃	EPCRT2	Ø1~Ø6	2	30°	UNICO	✓	✓	✓				✓	A115 ~ A116
	Inner Radius Type - 2F / 4F 鎢鋼內 R 角銑刀 - 2 / 4 刃	EPIFA2, EPISA2 EPIFA4, EPISA4	0.5R~6R	2	0°	UNICO	✓	✓	✓					A117

G550 - Square Type - 2F

鎢鋼平銑刀 - 標準型 - 2刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel,etc.
- Strong geometry design has excellent cutting ability of cutting edges.
- High precision cutting for side milling.

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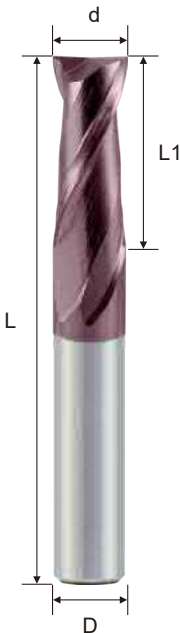
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d	Tolerance
Ø < 3	0 ~ -0.02
3 ≤ Ø ≤ 10	0 ~ -0.03
Ø > 10	0 ~ -0.04

Order No.	Dia. (d)	CL (L1)	OAL (L)	Shank (D)	Flutes (F)
EPSFC200200U	0.2	0.4	50	4	2
EPSFC200300U	0.3	0.6	50	4	2
EPSFC200400U	0.4	0.8	50	4	2
EPSFC200500U	0.5	1.0	50	4	2
EPSFC200600U	0.6	1.5	50	4	2
EPSFC200700U	0.7	2.0	50	4	2
EPSFC200800U	0.8	2.0	50	4	2
EPSFC200900U	0.9	2.0	50	4	2
EPSFC201000U	1.0	3.0	50	4	2
EPSFC201500U	1.5	4.0	50	4	2
EPSFC202000U	2.0	5.0	50	4	2
EPSFC202500U	2.5	6.0	50	4	2
EPSFC203000U	3.0	8.0	50	4	2
EPSFC203500U	3.5	9.0	50	4	2
EPSFC204000U	4.0	10.0	50	4	2
EPSSC201000U	1.0	3.0	50	6	2
EPSSC202000U	2.0	5.0	50	6	2
EPSSC203000U	3.0	8.0	50	6	2
EPSSC203500U	3.5	9.0	50	6	2
EPSSC204000U	4.0	10.0	50	6	2
EPSSC204500U	4.5	11.0	50	6	2
EPSSC205000U	5.0	13.0	50	6	2
EPSSC205500U	5.5	14.0	50	6	2
EPSSC206000U	6.0	15.0	50	6	2
EPSSC206500U	6.5	16.0	60	8	2
EPSSC207000U	7.0	18.0	60	8	2
EPSSC208000U	8.0	20.0	60	8	2
EPSSC209000U	9.0	22.0	75	10	2
EPSSC210000U	10.0	25.0	75	10	2
EPSSC211000U	11.0	25.0	75	12	2
EPSSC212000U	12.0	30.0	75	12	2
EPSSC214000U	14.0	30.0	75	14	2
EPSSC216000U	16.0	35.0	100	16	2
EPSSC218000U	18.0	40.0	100	20	2
EPSSC220000U	20.0	45.0	100	20	2
EPSSC225000U	25.0	45.0	100	25	2

Cutting conditions (建議切削參數表) : Table 026

G550 - Square Type - 3F

鎢鋼平銑刀 - 標準型 - 3 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel,etc.
- Strong geometry design has excellent cutting ability of cutting edges.
- High precision cutting for side milling.

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Order No.	Dia. (d)	CL (L1)	OAL (L)	Shank (D)	Flutes (F)
EPSTC301000U	1.0	3	50	3	3
EPSTC301500U	1.5	4	50	3	3
EPSTC302000U	2.0	5	50	3	3
EPSTC303000U	3.0	8	50	3	3
EPSFC301000U	1.0	3	50	4	3
EPSFC301500U	1.5	4	50	4	3
EPSFC302000U	2.0	5	50	4	3
EPSFC302500U	2.5	6	50	4	3
EPSFC303000U	3.0	8	50	4	3
EPSFC303500U	3.5	9	50	4	3
EPSFC304000U	4.0	10	50	4	3
EPSSC303000U	3.0	8	50	6	3
EPSSC303500U	3.5	9	50	6	3
EPSSC304000U	4.0	10	50	6	3
EPSSC304500U	4.5	11	50	6	3
EPSSC305000U	5.0	13	50	6	3
EPSSC305500U	5.5	14	50	6	3
EPSSC306000U	6.0	15	50	6	3
EPSSC306500U	6.5	16	60	8	3
EPSSC307000U	7.0	18	60	8	3
EPSSC308000U	8.0	20	60	8	3
EPSSC309000U	9.0	22	75	10	3
EPSSC310000U	10.0	25	75	10	3
EPSSC311000U	11.0	25	75	12	3
EPSSC312000U	12.0	30	75	12	3
EPSSC314000U	14.0	30	75	14	3
EPSSC316000U	16.0	35	100	16	3
EPSSC318000U	18.0	40	100	20	3
EPSSC320000U	20.0	45	100	20	3
EPSSC325000U	25.0	45	100	25	3

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

Cutting conditions (建議切削參數表) : Table 027

G550 - Square Type - 4F

鎢鋼平銑刀 - 標準型 - 4 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, Copper, FRP, etc.
- Strong geometry design has excellent cutting ability of cutting edges.
- High precision cutting for side milling.

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Order No.	Dia. (d)	CL (L1)	OAL (L)	Shank (D)	Flutes (F)
EPSTC401000U	1.0	3	50	3	4
EPSTC401500U	1.5	4	50	3	4
EPSTC402000U	2.0	5	50	3	4
EPSTC403000U	3.0	8	50	3	4
EPSFC401000U	1.0	3	50	4	4
EPSFC401500U	1.5	4	50	4	4
EPSFC402000U	2.0	5	50	4	4
EPSFC402500U	2.5	6	50	4	4
EPSFC403000U	3.0	8	50	4	4
EPSFC403500U	3.5	9	50	4	4
EPSFC404000U	4.0	10	50	4	4
EPSSC403000U	3.0	8	50	6	4
EPSSC403500U	3.5	9	50	6	4
EPSSC404000U	4.0	10	50	6	4
EPSSC404500U	4.5	11	50	6	4
EPSSC405000U	5.0	13	50	6	4
EPSSC405500U	5.5	14	50	6	4
EPSSC406000U	6.0	15	50	6	4
EPSSC406500U	6.5	16	60	8	4
EPSSC407000U	7.0	18	60	8	4
EPSSC408000U	8.0	20	60	8	4
EPSSC409000U	9.0	22	75	10	4
EPSSC410000U	10.0	25	75	10	4
EPSSC411000U	11.0	25	75	12	4
EPSSC412000U	12.0	30	75	12	4
EPSSC414000U	14.0	30	75	14	4
EPSSC416000U	16.0	35	100	16	4
EPSSC418000U	18.0	40	100	20	4
EPSSC420000U	20.0	45	100	20	4
EPSSC425000U	25.0	45	100	25	4

Cutting conditions (建議切削參數表) : Table 027

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

- ## Solid Carbide Endmills

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Order No.	Dia. (d)	CL (L1)	OAL (L)	Shank (D)	Flutes (F)
EPSSD405000U	5	13	50	6	4
EPSSD406000U	6	13	50	6	4
EPSSD408000U	8	16	60	8	4
EPSSD410000U	10	20	75	10	4
EPSSD412000U	12	24	75	12	4
EPSSD416000U	16	30	100	16	4

Cutting conditions (建議切削參數表) : Table 028

G550 - High Helix Square Type - 4F

鎢鋼平銑刀 - 高導型 - 4 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, FRP, etc.
- Greater shearing action results in increased speeds and feeds and faster stock removal.
- Strong helix design provides hi speed milling capabilities.

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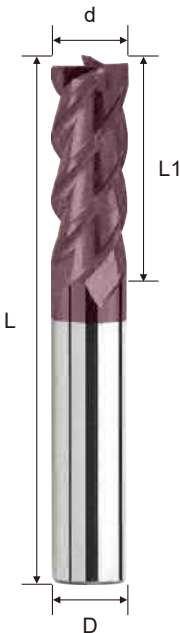
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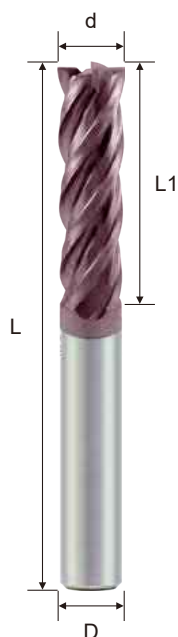
d	Tolerance
Ø < 3	0 ~ -0.02
3 ≤ Ø ≤ 10	0 ~ -0.03
Ø > 10	0 ~ -0.04

Order No.	Dia. (d)	CL (L1)	OAL (L)	Shank (D)	Flutes (F)
EPSFH403000U	3.0	8	50	4	4
EPSFH404000U	4.0	10	50	4	4
EPSSH405000U	5.0	13	50	6	4
EPSSH406000U	6.0	15	50	6	4
EPSSH407000U	7.0	18	60	8	4
EPSSH408000U	8.0	20	60	8	4
EPSSH409000U	9.0	22	75	10	4
EPSSH410000U	10.0	25	75	10	4
EPSSH411000U	11.0	25	75	12	4
EPSSH412000U	12.0	30	75	12	4
EPSSH414000U	14.0	30	75	14	4
EPSSH416000U	16.0	35	100	16	4

Cutting conditions (建議切削參數表) : Table 029

- ## Solid Carbide Endmills

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Order No.	Dia. (d)	CL (L1)	OAL (L)	Shank (D)	Flutes (F)
EPSCC403000U	3.0	15	60	6	4
EPSCC404000U	4.0	20	60	6	4
EPSCC405000U	5.0	25	75	6	4
EPSCC406000U	6.0	30	75	6	4
EPSCC408000U	8.0	35	100	8	4
EPSCC410000U	10.0	45	100	10	4
EPSCC412000U	12.0	45	100	12	4
EPSCC414000U	14.0	70	150	14	4
EPSCC416000U	16.0	70	150	16	4
EPSCC420000U	20.0	75	150	20	4
EPSCC425000U	25.0	75	150	25	4

Cutting conditions (建議切削參數表) : Table 030

鎢鋼平銑刀 - 高導型 - 6 刃

- EPSSH6**
EPSCH6

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G550 - Long Shank Square Type - 2F

鎢鋼平銑刀 - 長柄型 - 2 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
- Available in various length of cut and overall length end mills.
- Flat design to avoid chipping of the cutting tip.

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Order No.	Dia. (d)	CL (L1)	OAL (L)	Shank (D)	Flutes (F)
EPSJC204000U	4.0	10	60	4	2
EPSEC204000U	4.0	10	75	4	2
EPSKC204000U	4.0	10	100	4	2
EPSMC204000U	4.0	10	60	6	2
EPSLC204000U	4.0	10	75	6	2
EPSNC204000U	4.0	10	100	6	2
EPSMC206000U	6.0	15	60	6	2
EPSLC206000U	6.0	15	75	6	2
EPSNC206000U	6.0	15	100	6	2
EPSMC208000U	8.0	20	75	8	2
EPSLC208000U	8.0	20	100	8	2
EPSNC208000U	8.0	20	150	8	2
EPSLC210000U	10.0	25	100	10	2
EPSNC210000U	10.0	25	150	10	2
EPSLC212000U	12.0	30	100	12	2
EPSNC212000U	12.0	30	150	12	2
EPSLC216000U	16.0	40	150	16	2
EPSLC220000U	20.0	40	150	20	2

Cutting conditions (建議切削參數表) : Table 031

d	Tolerance
Ø < 3	0 ~ -0.03
3 ≤ Ø ≤ 10	0 ~ -0.04
Ø > 10	0 ~ -0.05

G550 - Long Shank Square Type - 4F

鎢鋼平銑刀 - 長柄型 - 4 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
- Available in various length of cut and overall length end mills.
- Flat design to avoid chipping of the cutting tip.

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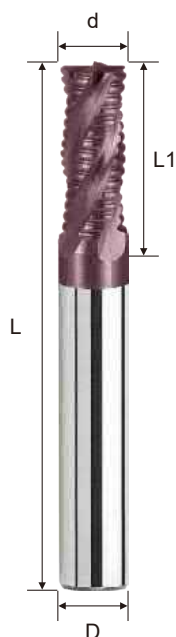
d	Tolerance
Ø < 3	0 ~ -0.03
3 ≤ Ø ≤ 10	0 ~ -0.04
Ø > 10	0 ~ -0.05

Order No.	Dia. (d)	CL (L1)	OAL (L)	Shank (D)	Flutes (F)
EPSEC403000U	3.0	8	75	4	4
EPSKC403000U	3.0	8	100	4	4
EPSJC404000U	4.0	10	60	4	4
EPSEC404000U	4.0	10	75	4	4
EPSKC404000U	4.0	10	100	4	4
EPSMC404000U	4.0	10	60	6	4
EPSLC404000U	4.0	10	75	6	4
EPSNC404000U	4.0	10	100	6	4
EPSMC406000U	6.0	15	60	6	4
EPSLC406000U	6.0	15	75	6	4
EPSNC406000U	6.0	15	100	6	4
EPSMC408000U	8.0	20	75	8	4
EPSLC408000U	8.0	20	100	8	4
EPSNC408000U	8.0	20	150	8	4
EPSLC410000U	10.0	25	100	10	4
EPSNC410000U	10.0	25	150	10	4
EPSLC412000U	12.0	30	100	12	4
EPSNC412000U	12.0	30	150	12	4
EPSLC416000U	16.0	40	150	16	4
EPSLC420000U	20.0	40	150	20	4

Cutting conditions (建議切削參數表) : Table 032

- ## Solid Carbide Endmills

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Order No.	Dia. (d)	CL (L1)	OAL (L)	Shank (D)	Flutes (F)
EPSRR406000U	6	15	50	6	4
EPSRR408000U	8	20	60	8	4
EPSRR410000U	10	25	75	10	4
EPSRR412000U	12	30	75	12	4
EPSRR416000U	16	40	100	16	4
EPSRR420000U	20	45	100	20	4

d	Tolerance
$\varnothing < 3$	0 ~ -0.02
$3 \leq \varnothing \leq 10$	0 ~ -0.03
$\varnothing > 10$	0 ~ -0.04

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G550 - Long Neck Square Type - 2F

鎢鋼平銑刀 - 長頸型 - 2 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
- Toughness and reduction of vibration.
- Available in various cut lengths.
- Suitable for deep cutting application.

EPSBC2
EPSRC2

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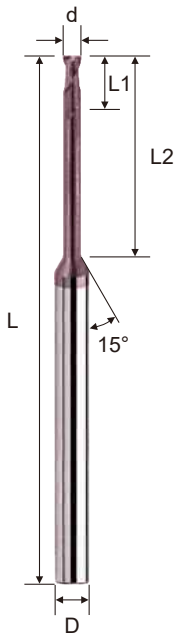
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d	Tolerance
Ø	0 ~ -0.02

Order No.	Dia. (d)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPSBC200201U	0.2	0.3	1	50	4	2
EPSBC200202U	0.2	0.3	2	50	4	2
EPSBC200301U	0.3	0.4	1	50	4	2
EPSBC200302U	0.3	0.4	2	50	4	2
EPSBC200303U	0.3	0.4	3	50	4	2
EPSBC200304U	0.3	0.4	4	50	4	2
EPSBC200305U	0.3	0.4	5	50	4	2
EPSBC200401U	0.4	0.5	1	50	4	2
EPSBC200402U	0.4	0.5	2	50	4	2
EPSBC200403U	0.4	0.5	3	50	4	2
EPSBC200404U	0.4	0.5	4	50	4	2
EPSBC200405U	0.4	0.5	5	50	4	2
EPSBC200406U	0.4	0.5	6	50	4	2
EPSBC200408U	0.4	0.5	8	50	4	2
EPSBC200410U	0.4	0.5	10	50	4	2
EPSBC200502U	0.5	0.6	2	50	4	2
EPSBC200503U	0.5	0.6	3	50	4	2
EPSBC200504U	0.5	0.6	4	50	4	2
EPSBC200505U	0.5	0.6	5	50	4	2
EPSBC200506U	0.5	0.6	6	50	4	2
EPSBC200508U	0.5	0.6	8	50	4	2
EPSBC200510U	0.5	0.6	10	50	4	2
EPSBC200512U	0.5	0.6	12	50	4	2
EPSBC200514U	0.5	0.6	14	50	4	2

Cutting conditions (建議切削參數表) : Table 034 ~ 036

G550 - Long Neck Square Type - 2F

鎢鋼平銑刀 - 長頸型 - 2 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
- Toughness and reduction of vibration.
- Available in various cut lengths.
- Suitable for deep cutting application.

EPSBC2
EPSRC2

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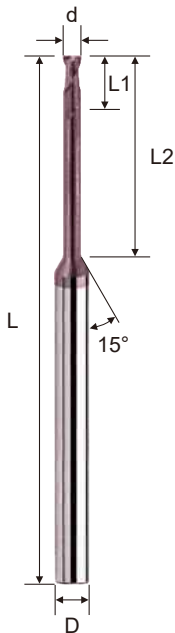
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HRC 55

Order No.	Dia. (d)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPSBC200602U	0.6	0.7	2	50	4	2
EPSBC200603U	0.6	0.7	3	50	4	2
EPSBC200604U	0.6	0.7	4	50	4	2
EPSBC200605U	0.6	0.7	5	50	4	2
EPSBC200606U	0.6	0.7	6	50	4	2
EPSBC200608U	0.6	0.7	8	50	4	2
EPSBC200610U	0.6	0.7	10	50	4	2
EPSBC200612U	0.6	0.7	12	50	4	2
EPSBC200614U	0.6	0.7	14	50	4	2
EPSBC200616U	0.6	0.7	16	50	4	2
EPSBC200702U	0.7	0.8	2	50	4	2
EPSBC200704U	0.7	0.8	4	50	4	2
EPSBC200706U	0.7	0.8	6	50	4	2
EPSBC200708U	0.7	0.8	8	50	4	2
EPSBC200710U	0.7	0.8	10	50	4	2
EPSBC200712U	0.7	0.8	12	50	4	2
EPSBC200802U	0.8	1.0	2	50	4	2
EPSBC200804U	0.8	1.0	4	50	4	2
EPSBC200806U	0.8	1.0	6	50	4	2
EPSBC200808U	0.8	1.0	8	50	4	2
EPSBC200810U	0.8	1.0	10	50	4	2
EPSBC200812U	0.8	1.0	12	50	4	2
EPSBC200814U	0.8	1.0	14	50	4	2
EPSBC200906U	0.9	1.1	6	50	4	2
EPSBC200908U	0.9	1.1	8	50	4	2
EPSBC200910U	0.9	1.1	10	50	4	2

Cutting conditions (建議切削參數表) : Table 034 ~ 036

d	Tolerance
Ø	0 ~ -0.02

G550 - Long Neck Square Type - 2F

鎢鋼平銑刀 - 長頸型 - 2 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
- Toughness and reduction of vibration.
- Available in various cut lengths.
- Suitable for deep cutting application.

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EPSRC2

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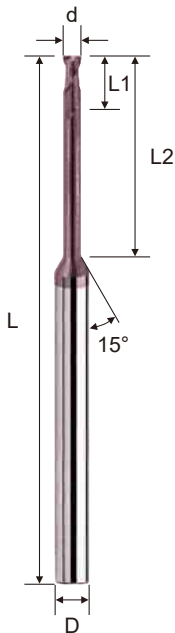
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d	Tolerance
Ø	0 ~ -0.02

Order No.	Dia. (d)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPSBC201002U	1.0	1.2	2	50	4	2
EPSBC201003U	1.0	1.2	3	50	4	2
EPSBC201004U	1.0	1.2	4	50	4	2
EPSBC201005U	1.0	1.2	5	50	4	2
EPSBC201006U	1.0	1.2	6	50	4	2
EPSBC201008U	1.0	1.2	8	50	4	2
EPSBC201010U	1.0	1.2	10	50	4	2
EPSBC201012U	1.0	1.2	12	50	4	2
EPSBC201014U	1.0	1.2	14	50	4	2
EPSBC201016U	1.0	1.2	16	50	4	2
EPSBC201018U	1.0	1.2	18	50	4	2
EPSBC201020U	1.0	1.2	20	50	4	2
EPSBC201204U	1.2	1.5	4	50	4	2
EPSBC201206U	1.2	1.5	6	50	4	2
EPSBC201208U	1.2	1.5	8	50	4	2
EPSBC201210U	1.2	1.5	10	50	4	2
EPSBC201212U	1.2	1.5	12	50	4	2
EPSBC201216U	1.2	1.5	16	50	4	2
EPSBC201220U	1.2	1.5	20	50	4	2
EPSBC201406U	1.4	1.8	6	50	4	2
EPSBC201408U	1.4	1.8	8	50	4	2
EPSBC201410U	1.4	1.8	10	50	4	2
EPSBC201414U	1.4	1.8	14	50	4	2
EPSBC201416U	1.4	1.8	16	50	4	2
EPSBC201420U	1.4	1.8	20	50	4	2

Cutting conditions (建議切削參數表) : Table 034 ~ 036

G550 - Long Neck Square Type - 2F

鎢鋼平銑刀 - 長頸型 - 2 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
- Toughness and reduction of vibration.
- Available in various cut lengths.
- Suitable for deep cutting application.

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Order No.	Dia. (d)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPSBC201504U	1.5	1.8	4	50	4	2
EPSBC201506U	1.5	1.8	6	50	4	2
EPSBC201508U	1.5	1.8	8	50	4	2
EPSBC201510U	1.5	1.8	10	50	4	2
EPSBC201512U	1.5	1.8	12	50	4	2
EPSBC201514U	1.5	1.8	14	50	4	2
EPSBC201516U	1.5	1.8	16	50	4	2
EPSBC201518U	1.5	1.8	18	50	4	2
EPSBC201520U	1.5	1.8	20	50	4	2
EPSBC201610U	1.6	1.9	10	50	4	2
EPSBC201614U	1.6	1.9	14	50	4	2
EPSBC201618U	1.6	1.9	18	50	4	2
EPSBC201810U	1.8	2.0	10	50	4	2
EPSBC201814U	1.8	2.0	14	50	4	2
EPSBC201818U	1.8	2.0	18	50	4	2
EPSBC202004U	2.0	2.5	4	50	4	2
EPSBC202006U	2.0	2.5	6	50	4	2
EPSBC202008U	2.0	2.5	8	50	4	2
EPSBC202010U	2.0	2.5	10	50	4	2
EPSBC202012U	2.0	2.5	12	50	4	2
EPSBC202014U	2.0	2.5	14	50	4	2
EPSBC202016U	2.0	2.5	16	50	4	2
EPSBC202018U	2.0	2.5	18	50	4	2
EPSBC202020U	2.0	2.5	20	50	4	2
EPSBC202022U	2.0	2.5	22	60	4	2
EPSBC202025U	2.0	2.5	25	60	4	2
EPSBC202030U	2.0	2.5	30	60	4	2
EPSBC202035U	2.0	2.5	35	60	4	2

Cutting conditions (建議切削參數表) : Table 034 ~ 036

d	Tolerance
Ø	0 ~ -0.02

G550 - Long Neck Square Type - 2F

鎢鋼平銑刀 - 長頸型 - 2 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
- Toughness and reduction of vibration.
- Available in various cut lengths.
- Suitable for deep cutting application.

EPSBC2
EPSRC2

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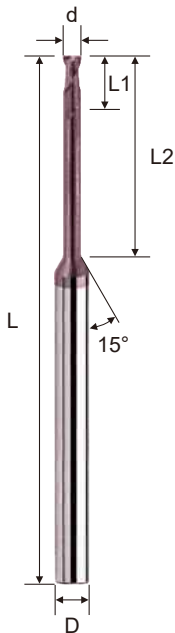
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UNICO

30°

HRC 55

d	Tolerance
Ø	0 ~ -0.02

Order No.	Dia. (d)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPSBC202508U	2.5	3.0	8	50	4	2
EPSBC202510U	2.5	3.0	10	50	4	2
EPSBC202512U	2.5	3.0	12	50	4	2
EPSBC202516U	2.5	3.0	16	50	4	2
EPSBC202520U	2.5	3.0	20	50	4	2
EPSBC202525U	2.5	3.0	25	60	4	2
EPSBC202530U	2.5	3.0	30	60	4	2
EPSBC202535U	2.5	3.0	35	60	4	2
EPSRC203006U	3.0	3.5	6	50	6	2
EPSRC203010U	3.0	3.5	10	50	6	2
EPSRC203012U	3.0	3.5	12	50	6	2
EPSRC203016U	3.0	3.5	16	50	6	2
EPSRC203020U	3.0	3.5	20	60	6	2
EPSRC203025U	3.0	3.5	25	60	6	2
EPSRC203030U	3.0	3.5	30	60	6	2
EPSRC203035U	3.0	3.5	35	75	6	2
EPSRC204008U	4.0	4.5	8	50	6	2
EPSRC204010U	4.0	4.5	10	50	6	2
EPSRC204012U	4.0	4.5	12	50	6	2
EPSRC204016U	4.0	4.5	16	50	6	2
EPSRC204020U	4.0	4.5	20	60	6	2
EPSRC204025U	4.0	4.5	25	60	6	2
EPSRC204030U	4.0	4.5	30	60	6	2
EPSRC204035U	4.0	4.5	35	75	6	2

Cutting conditions (建議切削參數表) : Table 034 ~ 036

G550 - Long Neck Square Type - 2F

鎢鋼平銑刀 - 長頸型 - 2 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
- Toughness and reduction of vibration.
- Available in various cut lengths.
- Suitable for deep cutting application.

EPSBC2
EPSRC2

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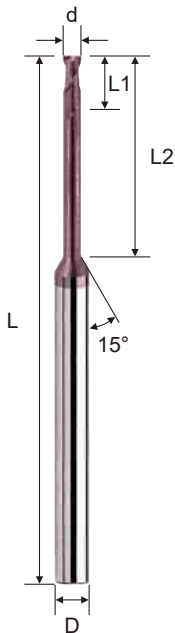
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d	Tolerance
Ø	0 ~ -0.02

Order No.	Dia. (d)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPSRC205016U	5.0	7.0	16	50	6	2
EPSRC205020U	5.0	7.0	20	60	6	2
EPSRC205025U	5.0	7.0	25	60	6	2
EPSRC205030U	5.0	7.0	30	60	6	2
EPSRC205035U	5.0	7.0	35	75	6	2
EPSRC206020U	6.0	10.0	20	60	6	2
EPSRC206030U	6.0	10.0	30	75	6	2
EPSRC208020U	8.0	15.0	20	60	8	2
EPSRC208030U	8.0	15.0	30	75	8	2
EPSRC208040U	8.0	15.0	40	100	8	2
EPSRC210025U	10.0	20.0	25	75	10	2
EPSRC210035U	10.0	20.0	35	75	10	2
EPSRC210045U	10.0	20.0	45	100	10	2
EPSRC212030U	12.0	25.0	30	75	12	2
EPSRC212040U	12.0	25.0	40	100	12	2
EPSRC212050U	12.0	25.0	50	100	12	2

Cutting conditions (建議切削參數表) : Table 034 ~ 036

G550 - Long Neck Square Type - 4F

鎢鋼平銑刀 - 長頸型 - 4 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, Copper, FRP, etc.
- Toughness and reduction of vibration.
- Available in various cut lengths.
- Suitable for deep cutting application.

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EPSRC4

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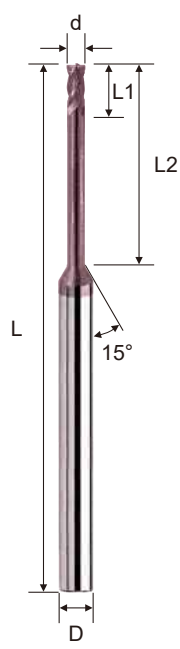
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30°

HRC 55

d	Tolerance
Ø	0 ~ -0.02

Order No.	Dia. (d)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPSBC401003U	1.0	1.0	3	50	4	4
EPSBC401004U	1.0	1.0	4	50	4	4
EPSBC401006U	1.0	1.0	6	50	4	4
EPSBC401008U	1.0	1.0	8	50	4	4
EPSBC401010U	1.0	1.0	10	50	4	4
EPSBC401012U	1.0	1.0	12	50	4	4
EPSBC401016U	1.0	1.0	16	50	4	4
EPSBC401020U	1.0	1.0	20	50	4	4
EPSBC401025U	1.0	1.0	25	60	4	4
EPSRC401004U	1.0	1.0	4	50	6	4
EPSRC401006U	1.0	1.0	6	50	6	4
EPSRC401008U	1.0	1.0	8	50	6	4
EPSRC401010U	1.0	1.0	10	50	6	4
EPSRC401012U	1.0	1.0	12	50	6	4
EPSBC401506U	1.5	1.5	6	50	4	4
EPSBC401508U	1.5	1.5	8	50	4	4
EPSBC401510U	1.5	1.5	10	50	4	4
EPSBC401512U	1.5	1.5	12	50	4	4
EPSBC401516U	1.5	1.5	16	50	4	4
EPSBC401520U	1.5	1.5	20	50	4	4
EPSBC401525U	1.5	1.5	25	60	4	4
EPSRC401506U	1.5	1.5	6	50	6	4
EPSRC401508U	1.5	1.5	8	50	6	4
EPSRC401510U	1.5	1.5	10	50	6	4
EPSRC401512U	1.5	1.5	12	50	6	4

Cutting conditions (建議切削參數表) : Table 037 ~ 038

G550 - Long Neck Square Type - 4F

鎢鋼平銑刀 - 長頸型 - 4 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, Copper, FRP, etc.
- Toughness and reduction of vibration.
- Available in various cut lengths.
- Suitable for deep cutting application.

EPSBC4
EPSRC4

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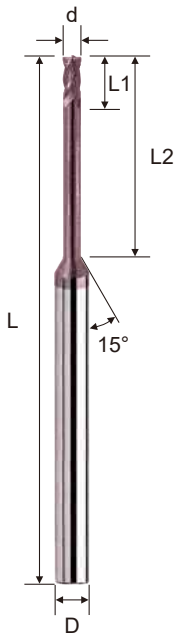
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d	Tolerance
Ø	0 ~ -0.02

Order No.	Dia. (d)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPSBC402006U	2.0	2.0	6	50	4	4
EPSBC402008U	2.0	2.0	8	50	4	4
EPSBC402010U	2.0	2.0	10	50	4	4
EPSBC402012U	2.0	2.0	12	50	4	4
EPSBC402016U	2.0	2.0	16	50	4	4
EPSBC402020U	2.0	2.0	20	50	4	4
EPSBC402025U	2.0	2.0	25	60	4	4
EPSBC402030U	2.0	2.0	30	60	4	4
EPSRC402006U	2.0	2.0	6	50	6	4
EPSRC402008U	2.0	2.0	8	50	6	4
EPSRC402010U	2.0	2.0	10	50	6	4
EPSRC402016U	2.0	2.0	16	50	6	4
EPSBC402510U	2.5	2.5	10	50	4	4
EPSBC402512U	2.5	2.5	12	50	4	4
EPSBC402516U	2.5	2.5	16	50	4	4
EPSBC402520U	2.5	2.5	20	50	4	4
EPSBC402525U	2.5	2.5	25	60	4	4
EPSBC402530U	2.5	2.5	30	60	4	4
EPSRC402506U	2.5	2.5	6	50	6	4
EPSRC402510U	2.5	2.5	10	50	6	4
EPSRC403010U	3.0	3.0	10	50	6	4
EPSRC403012U	3.0	3.0	12	50	6	4
EPSRC403016U	3.0	3.0	16	50	6	4
EPSRC403020U	3.0	3.0	20	60	6	4
EPSRC403025U	3.0	3.0	25	60	6	4
EPSRC403030U	3.0	3.0	30	60	6	4
EPSRC403035U	3.0	3.0	35	75	6	4

Cutting conditions (建議切削參數表) : Table 037 ~ 038

G550 - Long Neck Square Type - 4F

鎢鋼平銑刀 - 長頸型 - 4 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, Copper, FRP, etc.
- Toughness and reduction of vibration.
- Available in various cut lengths.
- Suitable for deep cutting application.

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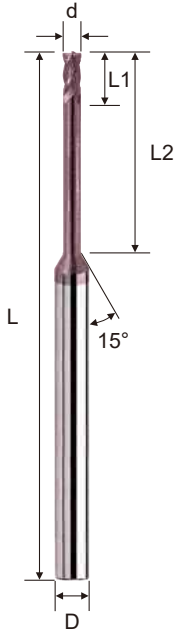
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Order No.	Dia. (d)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPSRC404010U	4.0	4.0	10	50	6	4
EPSRC404012U	4.0	4.0	12	50	6	4
EPSRC404016U	4.0	4.0	16	50	6	4
EPSRC404020U	4.0	4.0	20	60	6	4
EPSRC404025U	4.0	4.0	25	60	6	4
EPSRC404030U	4.0	4.0	30	60	6	4
EPSRC405016U	5.0	5.0	16	50	6	4
EPSRC405020U	5.0	5.0	20	60	6	4
EPSRC405025U	5.0	5.0	25	60	6	4
EPSRC405030U	5.0	5.0	30	60	6	4
EPSRC406020U	6.0	6.0	20	60	6	4
EPSRC406030U	6.0	6.0	30	75	6	4
EPSRC408020U	8.0	15.0	20	60	8	4
EPSRC408030U	8.0	15.0	30	75	8	4
EPSRC408040U	8.0	15.0	40	100	8	4
EPSRC410025U	10.0	20.0	25	75	10	4
EPSRC410035U	10.0	20.0	35	100	10	4
EPSRC410045U	10.0	20.0	45	100	10	4
EPSRC412030U	12.0	25.0	30	75	12	4
EPSRC412040U	12.0	25.0	40	100	12	4
EPSRC412050U	12.0	25.0	50	100	12	4

Cutting conditions (建議切削參數表) : Table 037 ~ 038

d	Tolerance
Ø	0 ~ -0.02

G550 - Taper Square Type - 2F

鎢鋼平銑刀 - 斜度型 - 2 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
- High strength of taper cutting length, can cut deep grooves without breaking.
- Convenient for Tap cutting in 3 axis machine.

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Order No.	Dia. (d1)	α°	CL (L1)	NL (d2)	OAL (L)	Shank (D)	Flutes (F)
EPSFT201005U	1.0	0.5°	4.0	1.07	50	4	2
EPSFT201010U	1.0	1.0°	4.0	1.14	50	4	2
EPSFT201015U	1.0	1.5°	4.0	1.21	50	4	2
EPSFT201020U	1.0	2.0°	4.0	1.28	50	4	2
EPSFT201025U	1.0	2.5°	4.0	1.35	50	4	2
EPSFT201030U	1.0	3.0°	4.0	1.42	50	4	2
EPSFT201050U	1.0	5.0°	4.0	1.70	50	4	2
EPSFT201070U	1.0	7.0°	4.0	1.98	50	4	2
EPSFT2010A0U	1.0	10.0°	4.0	2.41	50	4	2
EPSFT2010A5U	1.0	15.0°	4.0	3.14	50	4	2
EPSFT201505U	1.5	0.5°	5.0	1.59	50	4	2
EPSFT201510U	1.5	1.0°	5.0	1.68	50	4	2
EPSFT201515U	1.5	1.5°	5.0	1.76	50	4	2
EPSFT201520U	1.5	2.0°	5.0	1.85	50	4	2
EPSFT201525U	1.5	2.5°	5.0	1.93	50	4	2
EPSFT201530U	1.5	3.0°	5.0	2.02	50	4	2
EPSFT201535U	1.5	5.0°	5.0	2.37	50	4	2
EPSFT202005U	2.0	0.5°	6.0	2.10	50	4	2
EPSFT202010U	2.0	1.0°	6.0	2.21	50	4	2
EPSFT202015U	2.0	1.5°	6.0	2.31	50	4	2
EPSFT202020U	2.0	2.0°	6.0	2.41	50	4	2
EPSFT202025U	2.0	2.5°	6.0	2.52	50	4	2
EPSFT202030U	2.0	3.0°	6.0	2.62	50	4	2
EPSFT202050U	2.0	5.0°	6.0	3.05	50	4	2
EPSFT202070U	2.0	7.0°	6.0	3.47	50	4	2
EPSST2020A0U	2.0	10.0°	6.0	4.11	50	6	2
EPSST2020A5U	2.0	15.0°	6.0	5.22	50	6	2

Cutting conditions (建議切削參數表) : Table 039

d	Tolerance
Ø	0 ~ 0.05

G550 - Taper Square Type - 2F

鎢鋼平銑刀 - 斜度型 - 2 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
- High strength of taper cutting length, can cut deep grooves without breaking.
- Convenient for Tap cutting in 3 axis machine.

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d	Tolerance
Ø	0 ~ 0.05

Order No.	Dia. (d1)	α°	CL (L1)	NL (d2)	OAL (L)	Shank (D)	Flutes (F)
EPSFT202505U	2.5	0.5°	8.0	2.64	50	4	2
EPSFT202510U	2.5	1.0°	8.0	2.78	50	4	2
EPSFT202515U	2.5	1.5°	8.0	2.91	50	4	2
EPSFT202520U	2.5	2.0°	8.0	3.05	50	4	2
EPSFT202525U	2.5	2.5°	8.0	3.20	50	4	2
EPSFT202530U	2.5	3.0°	8.0	3.33	50	4	2
EPSFT202550U	2.5	5.0°	8.0	3.90	50	4	2
EPSST203005U	3.0	0.5°	10.0	3.17	50	6	2
EPSST203010U	3.0	1.0°	10.0	3.35	50	6	2
EPSST203015U	3.0	1.5°	10.0	3.52	50	6	2
EPSST203020U	3.0	2.0°	10.0	3.69	50	6	2
EPSST203025U	3.0	2.5°	10.0	3.87	50	6	2
EPSST203030U	3.0	3.0°	10.0	4.05	50	6	2
EPSST203050U	3.0	5.0°	10.0	4.75	50	6	2
EPSST203070U	3.0	7.0°	12.0	6.00	50	6	2
EPSST2030A0U	3.0	10.0°	12.0	7.22	60	8	2
EPSST2030A5U	3.0	15.0°	12.0	9.40	75	10	2
EPSST204005U	4.0	0.5°	15.0	4.26	50	6	2
EPSST204010U	4.0	1.0°	15.0	4.52	50	6	2
EPSST204015U	4.0	1.5°	15.0	4.79	50	6	2
EPSST204020U	4.0	2.0°	15.0	5.04	50	6	2
EPSST204025U	4.0	2.5°	15.0	5.31	50	6	2
EPSST204030U	4.0	3.0°	15.0	5.57	50	6	2
EPSST204050U	4.0	5.0°	15.0	6.62	60	8	2
EPSST204070U	4.0	7.0°	16.0	8.00	60	8	2
EPSST2040A0U	4.0	10.0°	17.0	10.00	75	10	2
EPSST2040A5U	4.0	15.0°	14.9	12.00	75	12	2

Cutting conditions (建議切削參數表) : Table 039

G550 - Taper Square Type - 2F

鎢鋼平銑刀 - 斜度型 - 2 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
- High strength of taper cutting length, can cut deep grooves without breaking.
- Convenient for Tap cutting in 3 axis machine.

Solid Carbide Endmills

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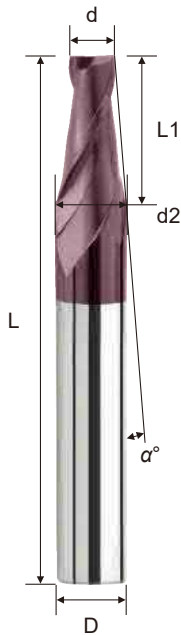
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Order No.	Dia. (d1)	α°	CL (L1)	NL (d2)	OAL (L)	Shank (D)	Flutes (F)
EPSST205005U	5.0	0.5°	20.0	5.34	60	6	2
EPSST205010U	5.0	1.0°	20.0	5.70	60	6	2
EPSST205015U	5.0	1.5°	19.6	6.00	60	6	2
EPSST205020U	5.0	2.0°	20.0	6.39	60	8	2
EPSST205025U	5.0	2.5°	20.0	6.74	60	8	2
EPSST205030U	5.0	3.0°	20.0	7.10	60	8	2
EPSST205050U	5.0	5.0°	20.0	8.50	75	10	2
EPSST205070U	5.0	7.0°	20.0	10.00	75	10	2
EPSST2050A0U	5.0	10.0°	20.0	12.00	75	12	2
EPSST206005U	6.0	0.5°	20.0	6.35	60	8	2
EPSST206010U	6.0	1.0°	20.0	6.70	60	8	2
EPSST206015U	6.0	1.5°	20.0	7.05	60	8	2
EPSST206020U	6.0	2.0°	20.0	7.40	60	8	2
EPSST206025U	6.0	2.5°	20.0	7.75	60	8	2
EPSST206030U	6.0	3.0°	20.0	8.10	75	10	2
EPSST206050U	6.0	5.0°	20.0	9.50	75	10	2
EPSST206070U	6.0	7.0°	24.0	12.00	75	12	2
EPSST2060A0U	6.0	10.0°	22.0	14.00	75	14	2
EPSST208005U	8.0	0.5°	25.0	8.44	75	10	2
EPSST208010U	8.0	1.0°	25.0	8.87	75	10	2
EPSST208015U	8.0	1.5°	25.0	9.31	75	10	2
EPSST208020U	8.0	2.0°	25.0	9.75	75	10	2
EPSST208030U	8.0	3.0°	25.0	10.62	75	12	2
EPSST208050U	8.0	5.0°	25.0	12.37	75	14	2
EPSST208070U	8.0	7.0°	32.0	16.00	100	16	2
EPSST2080A0U	8.0	10.0°	28.0	18.00	100	18	2
EPSST210005U	10.0	0.5°	35.0	10.61	75	12	2
EPSST210010U	10.0	1.0°	35.0	11.22	75	12	2
EPSST210015U	10.0	1.5°	35.0	11.83	75	12	2
EPSST210020U	10.0	2.0°	35.0	12.44	75	14	2
EPSST210030U	10.0	3.0°	35.0	13.67	75	14	2
EPSST210050U	10.0	5.0°	34.2	16.00	100	16	2

Cutting conditions (建議切削參數表) : Table 039

d	Tolerance
Ø	0 ~ 0.05

G550 - Ball Nose Type - 2F

鎢鋼球型銑刀 - 標準型 - 2 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
- It provides an excellent surface due to better surface grindings.
- New tool geometry increases wear resistance and cutting force is decreased.
- Suitable for high speed profile surface milling.

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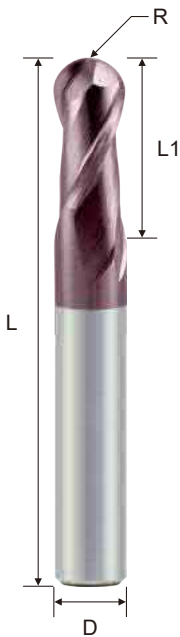
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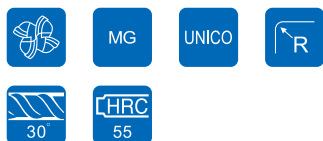
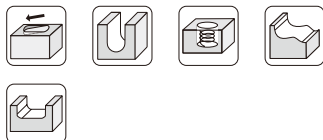
Order No.	Radius (R)	Dia. (d)	CL (L1)	OAL (L)	Shank (D)	Flutes (F)
EPBFC200200U	0.10R	0.2	0.4	50	4	2
EPBFC200300U	0.15R	0.3	0.6	50	4	2
EPBFC200400U	0.20R	0.4	0.8	50	4	2
EPBFC200500U	0.25R	0.5	1.0	50	4	2
EPBFC200600U	0.30R	0.6	1.2	50	4	2
EPBFC200700U	0.35R	0.7	1.4	50	4	2
EPBFC200800U	0.40R	0.8	1.6	50	4	2
EPBFC200900U	0.45R	0.9	1.8	50	4	2
EPBFC201000U	0.50R	1.0	2.0	50	4	2
EPBFC201500U	0.75R	1.5	3.0	50	4	2
EPBFC202000U	1.00R	2.0	4.0	50	4	2
EPBFC203000U	1.50R	3.0	6.0	50	4	2
EPBFC204000U	2.00R	4.0	8.0	50	4	2
EPBSC203000U	1.50R	3.0	6.0	50	6	2
EPBSC204000U	2.00R	4.0	8.0	50	6	2
EPBSC205000U	2.50R	5.0	10.0	50	6	2
EPBSC206000U	3.00R	6.0	12.0	50	6	2
EPBSC207000U	3.50R	7.0	14.0	60	8	2
EPBSC208000U	4.00R	8.0	16.0	60	8	2
EPBSC210000U	5.00R	10.0	20.0	75	10	2
EPBSC212000U	6.00R	12.0	24.0	75	12	2
EPBSC216000U	8.00R	16.0	32.0	100	16	2
EPBSC220000U	10.00R	20.0	40.0	100	20	2

Cutting conditions (建議切削參數表) : Table 040

d	R Tolerance
Ø	± 0.02

- ## Solid Carbide Endmills

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d	R Tolerance
Ø	± 0.02

G550 - Long Shank Ball Nose Type - 2F

鎢鋼球型銑刀 - 長柄型 - 2 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
- It provides an excellent surface due to better surface grindings.
- New tool geometry increases wear resistance and cutting force is decreased.
- Suitable for high speed profile surface milling.

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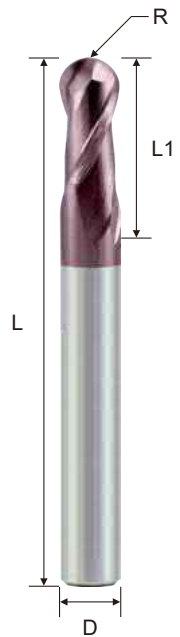
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Order No.	Radius (R)	Dia. (d)	CL (L1)	OAL (L)	Shank (D)	Flutes (F)
EPBEC203000U	1.5R	3.0	6	75	4	2
EPBKC203000U	1.5R	3.0	6	100	4	2
EPBJC204000U	2R	4.0	8	60	4	2
EPBEC204000U	2R	4.0	8	75	4	2
EPBKC204000U	2R	4.0	8	100	4	2
EPBMC204000U	2R	4.0	8	60	6	2
EPBLC204000U	2R	4.0	8	75	6	2
EPBNC204000U	2R	4.0	8	100	6	2
EPBMC206000U	3R	6.0	12	60	6	2
EPBLC206000U	3R	6.0	12	75	6	2
EPBNC206000U	3R	6.0	12	100	6	2
EPBMC208000U	4R	8.0	16	75	8	2
EPBLC208000U	4R	8.0	16	100	8	2
EPBNC208000U	4R	8.0	16	150	8	2
EPBLC210000U	5R	10.0	20	100	10	2
EPBNC210000U	5R	10.0	20	150	10	2
EPBLC212000U	6R	12.0	24	100	12	2
EPBNC212000U	6R	12.0	24	150	12	2
EPBLC216000U	8R	16.0	32	150	16	2
EPBLC220000U	10R	20.0	40	150	20	2

Cutting conditions (建議切削參數表) : Table 042

d	R Tolerance
Ø	± 0.02

鎢鋼球型銑刀 - 長柄型 - 4 刃

- ## Solid Carbide Endmills

G550 - Long Neck Ball Nose Type - 2F

鎢鋼球型銑刀 - 長頸型 - 2 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, Copper, FRP, etc.
- Reduce vibration and more toughness.
- It provides an excellent surface due to better surface grindings.
- Long neck design is suitable for rid cutting.

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Order No.	Radius (R)	Dia. (d)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPBBC200301U	0.15R	0.3	0.3	1	50	4	2
EPBBC200302U	0.15R	0.3	0.3	2	50	4	2
EPBBC200303U	0.15R	0.3	0.3	3	50	4	2
EPBBC200401U	0.20R	0.4	0.4	1	50	4	2
EPBBC200402U	0.20R	0.4	0.4	2	50	4	2
EPBBC200403U	0.20R	0.4	0.4	3	50	4	2
EPBBC200404U	0.20R	0.4	0.4	4	50	4	2
EPBBC200405U	0.20R	0.4	0.4	5	50	4	2
EPBBC200406U	0.20R	0.4	0.4	6	50	4	2
EPBBC200408U	0.20R	0.4	0.4	8	50	4	2
EPBBC200501U	0.25R	0.5	0.5	1	50	4	2
EPBBC200502U	0.25R	0.5	0.5	2	50	4	2
EPBBC200503U	0.25R	0.5	0.5	3	50	4	2
EPBBC200504U	0.25R	0.5	0.5	4	50	4	2
EPBBC200505U	0.25R	0.5	0.5	5	50	4	2
EPBBC200506U	0.25R	0.5	0.5	6	50	4	2
EPBBC200508U	0.25R	0.5	0.5	8	50	4	2
EPBBC200510U	0.25R	0.5	0.5	10	50	4	2
EPBBC200601U	0.30R	0.6	0.6	1	50	4	2
EPBBC200602U	0.30R	0.6	0.6	2	50	4	2
EPBBC200603U	0.30R	0.6	0.6	3	50	4	2
EPBBC200604U	0.30R	0.6	0.6	4	50	4	2
EPBBC200605U	0.30R	0.6	0.6	5	50	4	2
EPBBC200606U	0.30R	0.6	0.6	6	50	4	2
EPBBC200608U	0.30R	0.6	0.6	8	50	4	2
EPBBC200610U	0.30R	0.6	0.6	10	50	4	2
EPBBC200612U	0.30R	0.6	0.6	12	50	4	2

Cutting conditions (建議切削參數表) : Table 044 ~ 046

d	R Tolerance
Ø	± 0.02

G550 - Long Neck Ball Nose Type - 2F

鎢鋼球型銑刀 - 長頸型 - 2 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, Copper, FRP, etc.
- Reduce vibration and more toughness.
- It provides an excellent surface due to better surface grindings.
- Long neck design is suitable for rid cutting.

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Order No.	Radius (R)	Dia. (d)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPBBC200702U	0.35R	0.7	0.7	2	50	4	2
EPBBC200704U	0.35R	0.7	0.7	4	50	4	2
EPBBC200708U	0.35R	0.7	0.7	8	50	4	2
EPBBC200710U	0.35R	0.7	0.7	10	50	4	2
EPBBC200712U	0.35R	0.7	0.7	12	50	4	2
EPBBC200802U	0.40R	0.8	0.8	2	50	4	2
EPBBC200804U	0.40R	0.8	0.8	4	50	4	2
EPBBC200806U	0.40R	0.8	0.8	6	50	4	2
EPBBC200808U	0.40R	0.8	0.8	8	50	4	2
EPBBC200810U	0.40R	0.8	0.8	10	50	4	2
EPBBC200812U	0.40R	0.8	0.8	12	50	4	2
EPBBC200904U	0.45R	0.9	0.9	4	50	4	2
EPBBC201002U	0.50R	1.0	1.0	2	50	4	2
EPBBC201003U	0.50R	1.0	1.0	3	50	4	2
EPBBC201004U	0.50R	1.0	1.0	4	50	4	2
EPBBC201005U	0.50R	1.0	1.0	5	50	4	2
EPBBC201006U	0.50R	1.0	1.0	6	50	4	2
EPBBC201008U	0.50R	1.0	1.0	8	50	4	2
EPBBC201010U	0.50R	1.0	1.0	10	50	4	2
EPBBC201012U	0.50R	1.0	1.0	12	50	4	2
EPBBC201014U	0.50R	1.0	1.0	14	50	4	2
EPBBC201016U	0.50R	1.0	1.0	16	50	4	2
EPBBC201018U	0.50R	1.0	1.0	18	50	4	2
EPBBC201020U	0.50R	1.0	1.0	20	50	4	2
EPBBC201022U	0.50R	1.0	1.0	22	60	4	2
EPBRC201004U	0.50R	1.0	1.0	4	50	6	2
EPBRC201006U	0.50R	1.0	1.0	6	50	6	2
EPBRC201008U	0.50R	1.0	1.0	8	50	6	2
EPBRC201010U	0.50R	1.0	1.0	10	50	6	2
EPBRC201012U	0.50R	1.0	1.0	12	50	6	2

d	R Tolerance
Ø	± 0.02

Cutting conditions (建議切削參數表) : Table 044 ~ 046

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G550 - Long Neck Ball Nose Type - 2F

鎢鋼球型銑刀 - 長頸型 - 2 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, Copper, FRP, etc.
- Reduce vibration and more toughness.
- It provides an excellent surface due to better surface grindings.
- Long neck design is suitable for rid cutting.

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HRC 55

Order No.	Radius (R)	Dia. (d)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPBBC201204U	0.60R	1.2	1.2	4	50	4	2
EPBBC201206U	0.60R	1.2	1.2	6	50	4	2
EPBBC201208U	0.60R	1.2	1.2	8	50	4	2
EPBBC201210U	0.60R	1.2	1.2	10	50	4	2
EPBBC201212U	0.60R	1.2	1.2	12	50	4	2
EPBBC201216U	0.60R	1.2	1.2	16	50	4	2
EPBBC201220U	0.60R	1.2	1.2	20	50	4	2
EPBBC201224U	0.60R	1.2	1.2	24	60	4	2
EPBBC201406U	0.70R	1.4	1.4	6	50	4	2
EPBBC201408U	0.70R	1.4	1.4	8	50	4	2
EPBBC201412U	0.70R	1.4	1.4	12	50	4	2
EPBBC201416U	0.70R	1.4	1.4	16	50	4	2
EPBBC201503U	0.75R	1.5	1.5	3	50	4	2
EPBBC201504U	0.75R	1.5	1.5	4	50	4	2
EPBBC201506U	0.75R	1.5	1.5	6	50	4	2
EPBBC201508U	0.75R	1.5	1.5	8	50	4	2
EPBBC201510U	0.75R	1.5	1.5	10	50	4	2
EPBBC201512U	0.75R	1.5	1.5	12	50	4	2
EPBBC201514U	0.75R	1.5	1.5	14	50	4	2
EPBBC201516U	0.75R	1.5	1.5	16	50	4	2
EPBBC201518U	0.75R	1.5	1.5	18	50	4	2
EPBBC201520U	0.75R	1.5	1.5	20	50	4	2
EPBBC201522U	0.75R	1.5	1.5	22	60	4	2
EPBBC201525U	0.75R	1.5	1.5	25	60	4	2
EPBBC201530U	0.75R	1.5	1.5	30	60	4	2
EPBRC201506U	0.75R	1.5	1.5	6	50	6	2
EPBRC201508U	0.75R	1.5	1.5	8	50	6	2
EPBRC201510U	0.75R	1.5	1.5	10	50	6	2
EPBRC201512U	0.75R	1.5	1.5	12	50	6	2

Cutting conditions (建議切削參數表) : Table 044 ~ 046

d	R Tolerance
Ø	± 0.02

G550 - Long Neck Ball Nose Type - 2F

鎢鋼球型銑刀 - 長頸型 - 2 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, Copper, FRP, etc.
- Reduce vibration and more toughness.
- It provides an excellent surface due to better surface grindings.
- Long neck design is suitable for rid cutting.

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Order No.	Radius (R)	Dia. (d)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPBBC201606U	0.80R	1.6	1.6	6	50	4	2
EPBBC201608U	0.80R	1.6	1.6	8	50	4	2
EPBBC201612U	0.80R	1.6	1.6	12	50	4	2
EPBBC201616U	0.80R	1.6	1.6	16	50	4	2
EPBBC201620U	0.80R	1.6	1.6	20	50	4	2
EPBBC201806U	0.90R	1.8	1.8	6	50	4	2
EPBBC201808U	0.90R	1.8	1.8	8	50	4	2
EPBBC201812U	0.90R	1.8	1.8	12	50	4	2
EPBBC201816U	0.90R	1.8	1.8	16	50	4	2
EPBBC201820U	0.90R	1.8	1.8	20	50	4	2
EPBBC202004U	1.00R	2.0	2.0	4	50	4	2
EPBBC202006U	1.00R	2.0	2.0	6	50	4	2
EPBBC202008U	1.00R	2.0	2.0	8	50	4	2
EPBBC202010U	1.00R	2.0	2.0	10	50	4	2
EPBBC202012U	1.00R	2.0	2.0	12	50	4	2
EPBBC202014U	1.00R	2.0	2.0	14	50	4	2
EPBBC202016U	1.00R	2.0	2.0	16	50	4	2
EPBBC202018U	1.00R	2.0	2.0	18	50	4	2
EPBBC202020U	1.00R	2.0	2.0	20	50	4	2
EPBBC202022U	1.00R	2.0	2.0	22	60	4	2
EPBBC202025U	1.00R	2.0	2.0	25	60	4	2
EPBRC202006U	1.00R	2.0	2.0	6	50	6	2
EPBRC202008U	1.00R	2.0	2.0	8	50	6	2
EPBRC202010U	1.00R	2.0	2.0	10	50	6	2
EPBRC202016U	1.00R	2.0	2.0	16	50	6	2

Cutting conditions (建議切削參數表) : Table 044 ~ 046

d	R Tolerance
Ø	± 0.02

G550 - Long Neck Ball Nose Type - 2F

鎢鋼球型銑刀 - 長頸型 - 2 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, Copper, FRP, etc.
- Reduce vibration and more toughness.
- It provides an excellent surface due to better surface grindings.
- Long neck design is suitable for rid cutting.

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HRC 55

Order No.	Radius (R)	Dia. (d)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPBBC202508U	1.25R	2.5	2.5	8	50	4	2
EPBBC202510U	1.25R	2.5	2.5	10	50	4	2
EPBBC202516U	1.25R	2.5	2.5	16	50	4	2
EPBBC202520U	1.25R	2.5	2.5	20	60	4	2
EPBBC202525U	1.25R	2.5	2.5	25	60	4	2
EPBBC202530U	1.25R	2.5	2.5	30	60	4	2
EPBRC202506U	1.25R	2.5	2.5	6	50	6	2
EPBRC202510U	1.25R	2.5	2.5	10	50	6	2
EPBRC203006U	1.50R	3.0	3.0	6	50	6	2
EPBRC203008U	1.50R	3.0	3.0	8	50	6	2
EPBRC203012U	1.50R	3.0	3.0	12	50	6	2
EPBRC203016U	1.50R	3.0	3.0	16	60	6	2
EPBRC203020U	1.50R	3.0	3.0	20	60	6	2
EPBRC203025U	1.50R	3.0	3.0	25	60	6	2
EPBRC203030U	1.50R	3.0	3.0	30	60	6	2
EPBRC203035U	1.50R	3.0	3.0	35	75	6	2
EPBRC204008U	2.00R	4.0	4.0	8	50	6	2
EPBRC204010U	2.00R	4.0	4.0	10	50	6	2
EPBRC204012U	2.00R	4.0	4.0	12	50	6	2
EPBRC204016U	2.00R	4.0	4.0	16	60	6	2
EPBRC204020U	2.00R	4.0	4.0	20	60	6	2
EPBRC204025U	2.00R	4.0	4.0	25	60	6	2
EPBRC204030U	2.00R	4.0	4.0	30	60	6	2
EPBRC204035U	2.00R	4.0	4.0	35	75	6	2
EPBRC205015U	2.50R	5.0	5.0	15	60	6	2
EPBRC205020U	2.50R	5.0	5.0	20	60	6	2
EPBRC205025U	2.50R	5.0	5.0	25	60	6	2
EPBRC205030U	2.50R	5.0	5.0	30	75	6	2
EPBRC206015U	3.00R	6.0	10.0	15	50	6	2
EPBRC208025U	4.00R	8.0	12.0	25	60	8	2
EPBRC210030U	5.00R	10.0	16.0	30	75	10	2
EPBRC212030U	6.00R	12.0	18.0	30	75	12	2

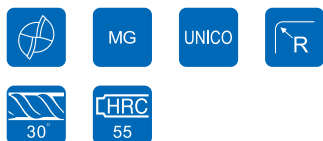
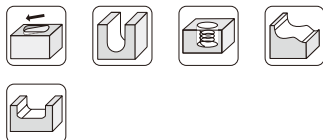
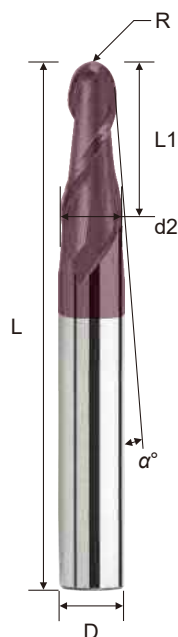
Cutting conditions (建議切削參數表) : Table 044 ~ 046

d	R Tolerance
Ø	± 0.02

鎢鋼球型銑刀 - 斜度型 - 2刃

- ## Solid Carbide Endmills

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Order No.	Radius (R)	α°	CL (L1)	NL (d2)	OAL (L)	Shank (D)	Flutes (F)
EPBFT202010U	1.00R	1°	8	2.24	50	4	2
EPBFT202030U	1.00R	3°	8	2.74	50	4	2
EPBFT202050U	1.00R	5°	8	3.23	50	4	2
EPBFT202510U	1.25R	1°	10	2.81	50	4	2
EPBFT202530U	1.25R	3°	10	3.42	50	4	2
EPBST202550U	1.25R	5°	10	4.04	50	6	2
EPBFT203010U	1.50R	1°	12	3.37	50	4	2
EPBST203030U	1.50R	3°	12	4.10	50	6	2
EPBST203050U	1.50R	5°	12	4.85	50	6	2
EPBST204010U	2.00R	1°	16	4.49	60	6	2
EPBST204030U	2.00R	3°	16	5.47	60	6	2
EPBST204050U	2.00R	5°	16	6.46	60	8	2
EPBST206010U	3.00R	1°	24	6.73	75	8	2
EPBST206030U	3.00R	3°	24	8.20	75	10	2
EPBST206050U	3.00R	5°	24	9.67	75	10	2

Cutting conditions (建議切削參數表) : Table 047

G550 - Taper Neck Ball Nose Type - 2F

鎢鋼球型銑刀 - 斜頸型 - 2 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
- Suitable for high performance profile milling.
- High strength of taper neck, can cut deep grooves without breaking.

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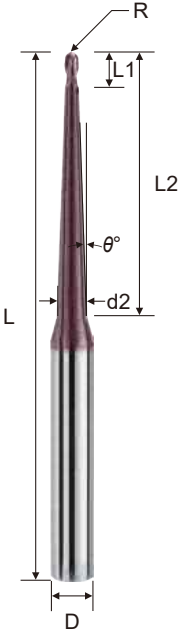
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d	R Tolerance
Ø	± 0.02

Order No.	Radius (R)	Dia. (d)	θ°	CL (L1)	EFF-L (L2)	NL (d2)	OAL (L)	Shank (D)	Flutes (F)
EPBRT201023AU	0.5R	1	1.5°	2	23	2.10	60	6	2
EPBRT2010235U	0.5R	1	5.0°	2	23	4.67	60	6	2
EPBRT2010423U	0.5R	1	3.0°	2	42	5.19	75	6	2
EPBRT202035HU	1.0R	2	0.5°	4	35	2.54	75	6	2
EPBRT2020351U	1.0R	2	1.0°	4	35	3.08	75	6	2
EPBRT202023AU	1.0R	2	1.5°	4	23	3.00	60	6	2
EPBRT202035AU	1.0R	2	1.5°	4	35	3.62	75	6	2
EPBRT2020235U	1.0R	2	5.0°	4	23	5.32	60	6	2
EPBRT2020413U	1.0R	2	3.0°	4	41	5.88	75	6	2
EPBRT203052AU	1.5R	3	1.5°	6	52	5.40	100	6	2
EPBRT2030323U	1.5R	3	3.0°	6	32	5.73	75	6	2
EPBRT204046AU	2.0R	4	1.5°	8	46	6.00	100	6	2
EPBRT2040273U	2.0R	4	3.0°	8	27	6.00	75	6	2

Cutting conditions (建議切削參數表) : Table 047

G550 - Corner Radius Type - 2F

鎢鋼圓筆銑刀 - 標準型 - 2 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
- Corner radius design is suitable for high speed surface milling and profiling.

Solid Carbide Endmills

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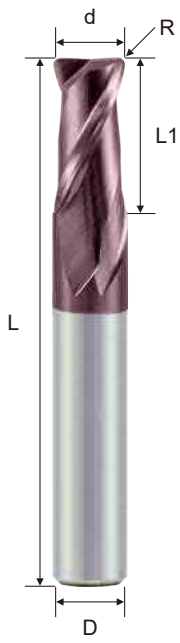
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d	R Tolerance
Ø < 3	0 ~ -0.03
3 ≤ Ø ≤ 10	0 ~ -0.04
Ø > 10	0 ~ -0.05
R	± 0.02

1Order No.	Dia. (d)	Corner Radius (R)	CL (L1)	OAL (L)	Shank (D)	Flutes (F)
EPCFC201001U	1.0	0.1R	2	50	4	2
EPCFC201002U	1.0	0.2R	2	50	4	2
EPCFC201003U	1.0	0.3R	2	50	4	2
EPCFC201502U	1.5	0.2R	3	50	4	2
EPCFC201503U	1.5	0.3R	3	50	4	2
EPCFC201505U	1.5	0.5R	3	50	4	2
EPCFC202002U	2.0	0.2R	4	50	4	2
EPCFC202003U	2.0	0.3R	4	50	4	2
EPCFC202005U	2.0	0.5R	4	50	4	2
EPCFC203002U	3.0	0.2R	6	50	4	2
EPCFC203003U	3.0	0.3R	6	50	4	2
EPCFC203005U	3.0	0.5R	6	50	4	2
EPCFC204002U	4.0	0.2R	8	50	4	2
EPCFC204003U	4.0	0.3R	8	50	4	2
EPCFC204005U	4.0	0.5R	8	50	4	2
EPCFC204010U	4.0	1R	8	50	4	2
EPCSC204003U	4.0	0.3R	8	50	6	2
EPCSC204005U	4.0	0.5R	8	50	6	2
EPCSC204010U	4.0	1R	8	50	6	2
EPCSC205005U	5.0	0.5R	10	50	6	2
EPCSC205010U	5.0	1R	10	50	6	2
EPCSC206003U	6.0	0.3R	12	50	6	2
EPCSC206005U	6.0	0.5R	12	50	6	2
EPCSC206010U	6.0	1R	12	50	6	2
EPCSC208005U	8.0	0.5R	16	60	8	2
EPCSC208010U	8.0	1R	16	60	8	2
EPCSC208015U	8.0	1.5R	16	60	8	2
EPCSC210005U	10.0	0.5R	20	75	10	2
EPCSC210010U	10.0	1R	20	75	10	2
EPCSC210015U	10.0	1.5R	20	75	10	2
EPCSC212020U	10.0	2R	20	75	10	2
EPCSC212005U	12.0	0.5R	20	75	12	2
EPCSC212010U	12.0	1R	20	75	12	2
EPCSC212015U	12.0	1.5R	20	75	12	2
EPCSC212020U	12.0	2R	20	75	12	2

Cutting conditions (建議切削參數表) : Table 048

G550 - Corner Radius Type - 4F

鎢鋼圓鼻銑刀 - 標準型 - 4 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
- Corner radius with multiple design increases the finish milling surface.

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d	R Tolerance
Ø < 3	0 ~ -0.03
3 ≤ Ø ≤ 10	0 ~ -0.04
Ø > 10	0 ~ -0.05
R	± 0.02

Order No.	Dia. (d)	Corner Radius (R)	CL (L1)	OAL (L)	Shank (D)	Flutes (F)
EPCFC401002U	1	0.2R	2	50	4	4
EPCFC401003U	1	0.3R	2	50	4	4
EPCFC401502U	1.5	0.2R	3	50	4	4
EPCFC401503U	1.5	0.3R	3	50	4	4
EPCFC401505U	1.5	0.5R	3	50	4	4
EPCFC402002U	2.0	0.2R	4	50	4	4
EPCFC402003U	2.0	0.3R	4	50	4	4
EPCFC402005U	2.0	0.5R	4	50	4	4
EPCFC403002U	3	0.2R	6	50	4	4
EPCFC403003U	3	0.3R	6	50	4	4
EPCFC403005U	3	0.5R	6	50	4	4
EPCFC403010U	3	1R	6	50	4	4
EPCFC404001U	4	0.1R	8	50	4	4
EPCFC404002U	4	0.2R	8	50	4	4
EPCFC404003U	4	0.3R	8	50	4	4
EPCFC404005U	4	0.5R	8	50	4	4
EPCFC404010U	4	1R	8	50	4	4
EPCSC403003U	3	0.3R	6	50	6	4
EPCSC403005U	3	0.5R	6	50	6	4
EPCSC403010U	3	1R	6	50	6	4
EPCSC404003U	4	0.3R	8	50	6	4
EPCSC404005U	4	0.5R	8	50	6	4
EPCSC404010U	4	1R	8	50	6	4
EPCSC405005U	5	0.5R	10	50	6	4
EPCSC405010U	5	1R	10	50	6	4
EPCSC406003U	6	0.3R	12	50	6	4
EPCSC406005U	6	0.5R	12	50	6	4
EPCSC406010U	6	1R	12	50	6	4
EPCSC408005U	8	0.5R	16	60	8	4
EPCSC408010U	8	1R	16	60	8	4
EPCSC408015U	8	1.5R	16	60	8	4
EPCSC410005U	10	0.5R	20	75	10	4
EPCSC410010U	10	1R	20	75	10	4
EPCSC410015U	10	1.5R	20	75	10	4
EPCSC410020U	10	2R	20	75	10	4
EPCSC412005U	12	0.5R	24	75	12	4
EPCSC412010U	12	1R	24	75	12	4
EPCSC412015U	12	1.5R	24	75	12	4
EPCSC412020U	12	2R	24	75	12	4
EPCSC412030U	12	3R	24	75	12	4

Cutting conditions (建議切削參數表) : Table 049

- ## Solid Carbide Endmills

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Order No.	Dia. (d)	Corner Radius (R)	CL (L1)	OAL (L)	Shank (D)	Flutes (F)
EPCFH403005U	3.0	0.5R	6	50	4	4
EPCFH404005U	4.0	0.5R	8	50	4	4
EPCSH405005U	5.0	0.5R	10	50	6	4
EPCSH405010U	5.0	1.0R	10	50	6	4
EPCSH406005U	6.0	0.5R	12	50	6	4
EPCSH406010U	6.0	1.0R	12	50	6	4
EPCSH408005U	8.0	0.5R	16	60	8	4
EPCSH408010U	8.0	1.0R	16	60	8	4
EPCSH410005U	10.0	0.5R	20	75	10	4
EPCSH410010U	10.0	1.0R	20	75	10	4
EPCSH410015U	10.0	1.5R	20	75	10	4
EPCSH410020U	10.0	2.0R	20	75	10	4
EPCSH412010U	12.0	1.0R	24	75	12	4
EPCSH412020U	12.0	2.0R	24	75	12	4
EPCSH412030U	12.0	3.0R	24	75	12	4

Cutting conditions (建議切削參數表) : Table 050

G550 - Long Shank Corner Radius Type - 4F

鎢鋼圓鼻銑刀 - 長柄型 - 4 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
- Corner radius with multiple flutes is suitable for general cutting and 3D milling.

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Order No.	Dia. (d)	Corner Radius (R)	CL (L1)	OAL (L)	Shank (D)	Flutes (F)
EPCEC404005U	4	0.5R	8	75	4	4
EPCKC404005U	4	0.5R	8	100	4	4
EPCLC403005U	3	0.5R	6	75	6	4
EPCLC403010U	3	1R	6	75	6	4
EPCLC404005U	4	0.5R	8	75	6	4
EPCLC404010U	4	1R	8	75	6	4
EPCLC405005U	5	0.5R	10	75	6	4
EPCLC405010U	5	1R	10	75	6	4
EPCLC406005U	6	0.5R	12	75	6	4
EPCLC406010U	6	1R	12	75	6	4
EPCNC406005U	6	0.5R	12	100	6	4
EPCMC408005U	8	0.5R	16	75	8	4
EPCLC408005U	8	0.5R	16	100	8	4
EPCLC408010U	8	1R	16	100	8	4
EPCLC408015U	8	1.5R	16	100	8	4
EPCLC410005U	10	0.5R	20	100	10	4
EPCLC410010U	10	1R	20	100	10	4
EPCLC410015U	10	1.5R	20	100	10	4
EPCLC410020U	10	2R	20	100	10	4
EPCNC410005U	10	0.5R	20	150	10	4
EPCLC412005U	12	0.5R	24	100	12	4
EPCLC412010U	12	1R	24	100	12	4
EPCLC412015U	12	1.5R	24	100	12	4
EPCLC412020U	12	2R	24	100	12	4
EPCNC412005U	12	0.5R	24	150	12	4
EPCLC416010U	16	1R	32	150	16	4
EPCLC416020U	16	2R	32	150	16	4
EPCLC416030U	16	3R	32	150	16	4

Cutting conditions (建議切削參數表) : Table 051

d	R Tolerance
Ø < 3	0 ~ -0.03
3 ≤ Ø ≤ 10	0 ~ -0.04
Ø > 10	0 ~ -0.05
R	± 0.02

G550 - Long Neck Corner Radius Type - 2F

鎢鋼圓鼻銑刀 - 長頸型 - 2 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
- Available in various cut lengths.
- Corner radius with long neck are suitable for deep general cutting and 3D milling.

EPCBC2
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Order No.	Dia. (d)	Corner Radius (R)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPCBC20100104U	1.0	0.1R	1.0	4	50	4	2
EPCBC20100106U	1.0	0.1R	1.0	6	50	4	2
EPCBC20100108U	1.0	0.1R	1.0	8	50	4	2
EPCBC20100110U	1.0	0.1R	1.0	10	50	4	2
EPCBC20100112U	1.0	0.1R	1.0	12	50	4	2
EPCBC20100204U	1.0	0.2R	1.0	4	50	4	2
EPCBC20100206U	1.0	0.2R	1.0	6	50	4	2
EPCBC20100208U	1.0	0.2R	1.0	8	50	4	2
EPCBC20100210U	1.0	0.2R	1.0	10	50	4	2
EPCBC20100212U	1.0	0.2R	1.0	12	50	4	2
EPCBC20100304U	1.0	0.3R	1.0	4	50	4	2
EPCBC20100306U	1.0	0.3R	1.0	6	50	4	2
EPCBC20100308U	1.0	0.3R	1.0	8	50	4	2
EPCBC20100310U	1.0	0.3R	1.0	10	50	4	2
EPCBC20100312U	1.0	0.3R	1.0	12	50	4	2
EPCBC20120104U	1.2	0.1R	1.2	4	50	4	2
EPCBC20120106U	1.2	0.1R	1.2	6	50	4	2
EPCBC20120108U	1.2	0.1R	1.2	8	50	4	2
EPCBC20120110U	1.2	0.1R	1.2	10	50	4	2
EPCBC20120112U	1.2	0.1R	1.2	12	50	4	2
EPCBC20120204U	1.2	0.2R	1.2	4	50	4	2
EPCBC20120206U	1.2	0.2R	1.2	6	50	4	2
EPCBC20120208U	1.2	0.2R	1.2	8	50	4	2
EPCBC20120210U	1.2	0.2R	1.2	10	50	4	2
EPCBC20120212U	1.2	0.2R	1.2	12	50	4	2
EPCBC20120304U	1.2	0.3R	1.2	4	50	4	2
EPCBC20120306U	1.2	0.3R	1.2	6	50	4	2
EPCBC20120308U	1.2	0.3R	1.2	8	50	4	2
EPCBC20120310U	1.2	0.3R	1.2	10	50	4	2
EPCBC20120312U	1.2	0.3R	1.2	12	50	4	2

Cutting conditions (建議切削參數表) : Table 052

d	Tolerance
Ø	0 ~ 0.02
R	± 0.02

G550 - Long Neck Corner Radius Type - 2F

鎢鋼圓鼻銑刀 - 長頸型 - 2 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
- Available in various cut lengths.
- Corner radius with long neck are suitable for deep general cutting and 3D milling.

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EPCRC2

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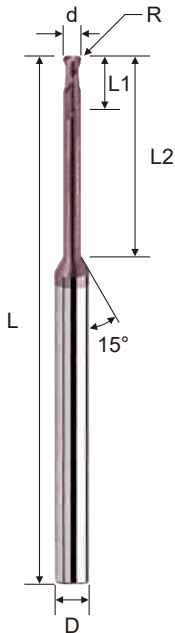
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HRC 55

Order No.	Dia. (d)	Corner Radius (R)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPCBC20150106U	1.5	0.1R	1.5	6	50	4	2
EPCBC20150108U	1.5	0.1R	1.5	8	50	4	2
EPCBC20150110U	1.5	0.1R	1.5	10	50	4	2
EPCBC20150112U	1.5	0.1R	1.5	12	50	4	2
EPCBC20150116U	1.5	0.1R	1.5	16	50	4	2
EPCBC20150206U	1.5	0.2R	1.5	6	50	4	2
EPCBC20150208U	1.5	0.2R	1.5	8	50	4	2
EPCBC20150210U	1.5	0.2R	1.5	10	50	4	2
EPCBC20150212U	1.5	0.2R	1.5	12	50	4	2
EPCBC20150216U	1.5	0.2R	1.5	16	50	4	2
EPCBC20150306U	1.5	0.3R	1.5	6	50	4	2
EPCBC20150308U	1.5	0.3R	1.5	8	50	4	2
EPCBC20150310U	1.5	0.3R	1.5	10	50	4	2
EPCBC20150312U	1.5	0.3R	1.5	12	50	4	2
EPCBC20150316U	1.5	0.3R	1.5	16	50	4	2
EPCBC20150506U	1.5	0.5R	1.5	6	50	4	2
EPCBC20150508U	1.5	0.5R	1.5	8	50	4	2
EPCBC20150510U	1.5	0.5R	1.5	10	50	4	2
EPCBC20150512U	1.5	0.5R	1.5	12	50	4	2
EPCBC20150516U	1.5	0.5R	1.5	16	50	4	2

Cutting conditions (建議切削參數表) : Table 052

d	Tolerance
Ø	0 ~ 0.02
R	± 0.02

G550 - Long Neck Corner Radius Type - 2F

鎢鋼圓鼻銑刀 - 長頸型 - 2 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
- Available in various cut lengths.
- Corner radius with long neck are suitable for deep general cutting and 3D milling.

EPCBC2
EPCRC2

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HRC 30

HRC 55

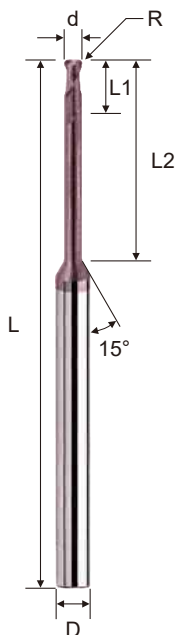
Order No.	Dia. (d)	Corner Radius (R)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPCBC20200106U	2.0	0.1R	2.0	6	50	4	2
EPCBC20200108U	2.0	0.1R	2.0	8	50	4	2
EPCBC20200110U	2.0	0.1R	2.0	10	50	4	2
EPCBC20200112U	2.0	0.1R	2.0	12	50	4	2
EPCBC20200116U	2.0	0.1R	2.0	16	50	4	2
EPCBC20200120U	2.0	0.1R	2.0	20	50	4	2
EPCBC20200125U	2.0	0.1R	2.0	25	60	4	2
EPCBC20200206U	2.0	0.2R	2.0	6	50	4	2
EPCBC20200208U	2.0	0.2R	2.0	8	50	4	2
EPCBC20200210U	2.0	0.2R	2.0	10	50	4	2
EPCBC20200212U	2.0	0.2R	2.0	12	50	4	2
EPCBC20200216U	2.0	0.2R	2.0	16	50	4	2
EPCBC20200220U	2.0	0.2R	2.0	20	50	4	2
EPCBC20200225U	2.0	0.2R	2.0	25	60	4	2
EPCBC20200306U	2.0	0.3R	2.0	6	50	4	2
EPCBC20200308U	2.0	0.3R	2.0	8	50	4	2
EPCBC20200310U	2.0	0.3R	2.0	10	50	4	2
EPCBC20200312U	2.0	0.3R	2.0	12	50	4	2
EPCBC20200316U	2.0	0.3R	2.0	16	50	4	2
EPCBC20200320U	2.0	0.3R	2.0	20	50	4	2
EPCBC20200325U	2.0	0.3R	2.0	25	60	4	2
EPCBC20200506U	2.0	0.5R	2.0	6	50	4	2
EPCBC20200508U	2.0	0.5R	2.0	8	50	4	2
EPCBC20200510U	2.0	0.5R	2.0	10	50	4	2
EPCBC20200512U	2.0	0.5R	2.0	12	50	4	2
EPCBC20200516U	2.0	0.5R	2.0	16	50	4	2
EPCBC20200520U	2.0	0.5R	2.0	20	50	4	2
EPCBC20200525U	2.0	0.5R	2.0	25	60	4	2
EPCRC20200510U	2.0	0.5R	2.0	10	50	6	2
EPCRC20200515U	2.0	0.5R	2.0	15	50	6	2

Cutting conditions (建議切削參數表) : Table 052

d	Tolerance
Ø	0 ~ 0.02
R	± 0.02

鎢鋼圓鼻銑刀 - 長頸型 - 2刃

- EPCBC2**
EPCRC2



Order No.	Dia. (d)	Corner Radius (R)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPCBC20250110U	2.5	0.1R	2.5	10	50	4	2
EPCBC20250116U	2.5	0.1R	2.5	16	50	4	2
EPCBC20250120U	2.5	0.1R	2.5	20	50	4	2
EPCBC20250125U	2.5	0.1R	2.5	25	60	4	2
EPCBC20250210U	2.5	0.2R	2.5	10	50	4	2
EPCBC20250216U	2.5	0.2R	2.5	16	50	4	2
EPCBC20250220U	2.5	0.2R	2.5	20	50	4	2
EPCBC20250225U	2.5	0.2R	2.5	25	60	4	2
EPCBC20250310U	2.5	0.3R	2.5	10	50	4	2
EPCBC20250316U	2.5	0.3R	2.5	16	50	4	2
EPCBC20250320U	2.5	0.3R	2.5	20	50	4	2
EPCBC20250325U	2.5	0.3R	2.5	25	60	4	2
EPCBC20250510U	2.5	0.5R	2.5	10	50	4	2
EPCBC20250516U	2.5	0.5R	2.5	16	50	4	2
EPCBC20250520U	2.5	0.5R	2.5	20	50	4	2
EPCBC20250525U	2.5	0.5R	2.5	25	60	4	2

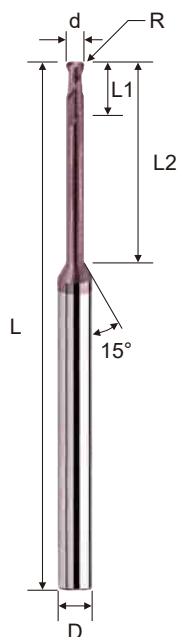
d	Tolerance
Ø	0 ~ 0.02
R	± 0.02

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鎢鋼圓鼻銑刀 - 長頸型 - 2 刃

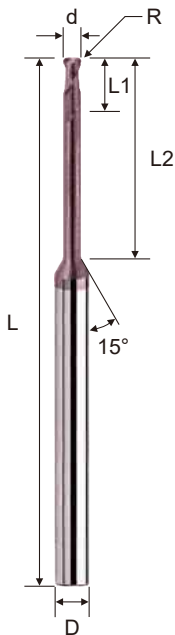
- ## Solid Carbide Endmills

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Cutting conditions (建議切削參數表) : Table 052

鎢鋼圓鼻銑刀 - 長頸型 - 2 刃

- EPCBC2**
EPCRC2

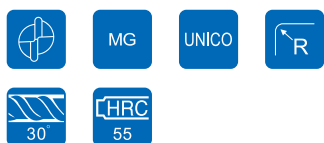
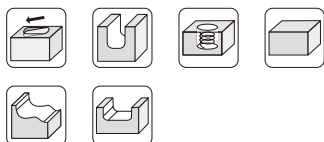
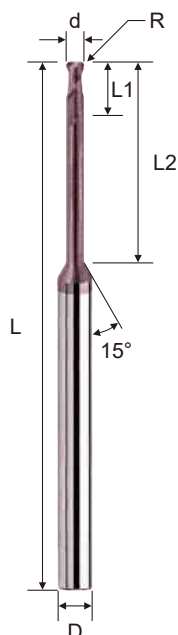


Order No.	Dia. (d)	Corner Radius (R)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPCRC20400113U	4.0	0.1R	4.0	13	50	6	2
EPCRC20400116U	4.0	0.1R	4.0	16	60	6	2
EPCRC20400120U	4.0	0.1R	4.0	20	60	6	2
EPCRC20400125U	4.0	0.1R	4.0	25	60	6	2
EPCRC20400130U	4.0	0.1R	4.0	30	75	6	2
EPCRC20400135U	4.0	0.1R	4.0	35	75	6	2
EPCRC20400213U	4.0	0.2R	4.0	13	50	6	2
EPCRC20400216U	4.0	0.2R	4.0	16	60	6	2
EPCRC20400220U	4.0	0.2R	4.0	20	60	6	2
EPCRC20400225U	4.0	0.2R	4.0	25	60	6	2
EPCRC20400230U	4.0	0.2R	4.0	30	75	6	2
EPCRC20400235U	4.0	0.2R	4.0	35	75	6	2
EPCRC20400313U	4.0	0.3R	4.0	13	50	6	2
EPCRC20400316U	4.0	0.3R	4.0	16	60	6	2
EPCRC20400320U	4.0	0.3R	4.0	20	60	6	2
EPCRC20400325U	4.0	0.3R	4.0	25	60	6	2
EPCRC20400330U	4.0	0.3R	4.0	30	75	6	2
EPCRC20400335U	4.0	0.3R	4.0	35	75	6	2
EPCRC20400513U	4.0	0.5R	4.0	13	50	6	2
EPCRC20400516U	4.0	0.5R	4.0	16	60	6	2
EPCRC20400520U	4.0	0.5R	4.0	20	60	6	2
EPCRC20400525U	4.0	0.5R	4.0	25	60	6	2
EPCRC20400530U	4.0	0.5R	4.0	30	75	6	2
EPCRC20400535U	4.0	0.5R	4.0	35	75	6	2
EPCRC20401013U	4.0	1.0R	4.0	13	50	6	2
EPCRC20401016U	4.0	1.0R	4.0	16	60	6	2
EPCRC20401020U	4.0	1.0R	4.0	20	60	6	2
EPCRC20401025U	4.0	1.0R	4.0	25	60	6	2
EPCRC20401030U	4.0	1.0R	4.0	30	75	6	2
EPCRC20401035U	4.0	1.0R	4.0	35	75	6	2

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- ## Solid Carbide Endmills

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Order No.	Dia. (d)	Corner Radius (R)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPCRC20500116U	5.0	0.1R	5.0	16	60	6	2
EPCRC20500130U	5.0	0.1R	5.0	30	60	6	2
EPCRC20500216U	5.0	0.2R	5.0	16	60	6	2
EPCRC20500230U	5.0	0.2R	5.0	30	60	6	2
EPCRC20500316U	5.0	0.3R	5.0	16	60	6	2
EPCRC20500330U	5.0	0.3R	5.0	30	60	6	2
EPCRC20500516U	5.0	0.5R	5.0	16	60	6	2
EPCRC20500530U	5.0	0.5R	5.0	30	60	6	2
EPCRC20501016U	5.0	1.0R	5.0	16	60	6	2
EPCRC20501030U	5.0	1.0R	5.0	30	60	6	2
EPCRC20600120U	6.0	0.1R	7.0	20	60	6	2
EPCRC20600130U	6.0	0.1R	7.0	30	60	6	2
EPCRC20600220U	6.0	0.2R	7.0	20	60	6	2
EPCRC20600230U	6.0	0.2R	7.0	30	60	6	2
EPCRC20600320U	6.0	0.3R	7.0	20	60	6	2
EPCRC20600330U	6.0	0.3R	7.0	30	60	6	2
EPCRC20600520U	6.0	0.5R	7.0	20	60	6	2
EPCRC20600530U	6.0	0.5R	7.0	30	60	6	2
EPCRC20601020U	6.0	1.0R	7.0	20	60	6	2
EPCRC20601030U	6.0	1.0R	7.0	30	60	6	2
EPCRC20601520U	6.0	1.5R	7.0	20	60	6	2
EPCRC20601530U	6.0	1.5R	7.0	30	60	6	2
EPCRC20800522U	8.0	0.5R	9.0	22	60	8	2
EPCRC20801022U	8.0	1.0R	9.0	22	60	8	2
EPCRC20801522U	8.0	1.5R	9.0	22	60	8	2
EPCRC20802022U	8.0	2.0R	9.0	22	60	8	2
EPCRC21000524U	10.0	0.5R	11.0	24	75	10	2
EPCRC21001024U	10.0	1.0R	11.0	24	75	10	2
EPCRC21001524U	10.0	1.5R	11.0	24	75	10	2
EPCRC21002024U	10.0	2.0R	11.0	24	75	10	2
EPCRC21200526U	12.0	0.5R	13.0	26	75	12	2
EPCRC21201026U	12.0	1.0R	13.0	26	75	12	2
EPCRC21201526U	12.0	1.5R	13.0	26	75	12	2
EPCRC21202026U	12.0	2.0R	13.0	26	75	12	2

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G550 - Long Neck Corner Radius Type - 4F

鎢鋼圓鼻銑刀 - 長頸型 - 4 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
- Multiple flutes and ling neck design provides better surface in deep cutting.
- Available in various cut lengths.

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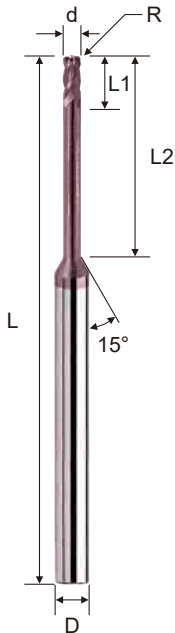
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HRC 55

Order No.	Dia. (d)	Corner Radius (R)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPCBC40200106U	2.0	0.1R	2.0	6	50	4	4
EPCBC40200108U	2.0	0.1R	2.0	8	50	4	4
EPCBC40200110U	2.0	0.1R	2.0	10	50	4	4
EPCBC40200112U	2.0	0.1R	2.0	12	50	4	4
EPCBC40200116U	2.0	0.1R	2.0	16	50	4	4
EPCBC40200120U	2.0	0.1R	2.0	20	50	4	4
EPCBC40200125U	2.0	0.1R	2.0	25	60	4	4
EPCBC40200206U	2.0	0.2R	2.0	6	50	4	4
EPCBC40200208U	2.0	0.2R	2.0	8	50	4	4
EPCBC40200210U	2.0	0.2R	2.0	10	50	4	4
EPCBC40200212U	2.0	0.2R	2.0	12	50	4	4
EPCBC40200216U	2.0	0.2R	2.0	16	50	4	4
EPCBC40200220U	2.0	0.2R	2.0	20	50	4	4
EPCBC40200225U	2.0	0.2R	2.0	25	60	4	4
EPCBC40200306U	2.0	0.3R	2.0	6	50	4	4
EPCBC40200308U	2.0	0.3R	2.0	8	50	4	4
EPCBC40200310U	2.0	0.3R	2.0	10	50	4	4
EPCBC40200312U	2.0	0.3R	2.0	12	50	4	4
EPCBC40200316U	2.0	0.3R	2.0	16	50	4	4
EPCBC40200320U	2.0	0.3R	2.0	20	50	4	4
EPCBC40200325U	2.0	0.3R	2.0	25	60	4	4
EPCBC40200506U	2.0	0.5R	2.0	6	50	4	4
EPCBC40200508U	2.0	0.5R	2.0	8	50	4	4
EPCBC40200510U	2.0	0.5R	2.0	10	50	4	4
EPCBC40200512U	2.0	0.5R	2.0	12	50	4	4
EPCBC40200516U	2.0	0.5R	2.0	16	50	4	4
EPCBC40200520U	2.0	0.5R	2.0	20	50	4	4
EPCBC40200525U	2.0	0.5R	2.0	25	60	4	4
EPCRC40200510U	2.0	0.5R	2.0	10	50	6	4
EPCRC40200515U	2.0	0.5R	2.0	15	50	6	4

Cutting conditions (建議切削參數表) : Table 053

d	Tolerance
Ø	0 ~ 0.02
R	± 0.02

G550 - Long Neck Corner Radius Type - 4F

鎢鋼圓鼻銑刀 - 長頸型 - 4 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
- Multiple flutes and ling neck design provides better surface in deep cutting.
- Available in various cut lengths.

EPCBC4

EPCRC4

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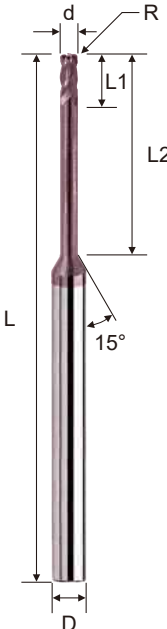
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HRC 55

Order No.	Dia. (d)	Corner Radius (R)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPCBC40250110U	2.5	0.1R	2.5	10	50	4	4
EPCBC40250116U	2.5	0.1R	2.5	16	50	4	4
EPCBC40250120U	2.5	0.1R	2.5	20	50	4	4
EPCBC40250125U	2.5	0.1R	2.5	25	60	4	4
EPCBC40250210U	2.5	0.2R	2.5	10	50	4	4
EPCBC40250216U	2.5	0.2R	2.5	16	50	4	4
EPCBC40250220U	2.5	0.2R	2.5	20	50	4	4
EPCBC40250225U	2.5	0.2R	2.5	25	60	4	4
EPCBC40250310U	2.5	0.3R	2.5	10	50	4	4
EPCBC40250316U	2.5	0.3R	2.5	16	50	4	4
EPCBC40250320U	2.5	0.3R	2.5	20	50	4	4
EPCBC40250325U	2.5	0.3R	2.5	25	60	4	4
EPCBC40250510U	2.5	0.5R	2.5	10	50	4	4
EPCBC40250516U	2.5	0.5R	2.5	16	50	4	4
EPCBC40250520U	2.5	0.5R	2.5	20	50	4	4
EPCBC40250525U	2.5	0.5R	2.5	25	60	4	4

Cutting conditions (建議切削參數表) : Table 053

d	Tolerance
Ø	0 ~ 0.02
R	± 0.02

G550 - Long Neck Corner Radius Type - 4F

鎢鋼圓鼻銑刀 - 長頸型 - 4 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
- Multiple flutes and ling neck design provides better surface in deep cutting.
- Available in various cut lengths.

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EPCRC4

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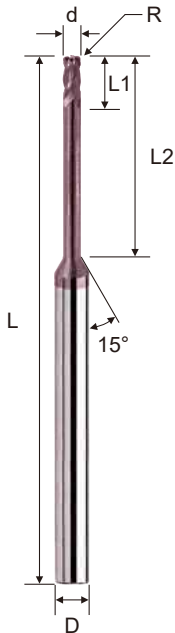
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HRC 55

Order No.	Dia. (d)	Corner Radius (R)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPCRC40300110U	3.0	0.1R	3.0	10	50	6	4
EPCRC40300116U	3.0	0.1R	3.0	16	60	6	4
EPCRC40300120U	3.0	0.1R	3.0	20	60	6	4
EPCRC40300125U	3.0	0.1R	3.0	25	60	6	4
EPCRC40300130U	3.0	0.1R	3.0	30	75	6	4
EPCRC40300135U	3.0	0.1R	3.0	35	75	6	4
EPCRC40300210U	3.0	0.2R	3.0	10	50	6	4
EPCRC40300216U	3.0	0.2R	3.0	16	60	6	4
EPCRC40300220U	3.0	0.2R	3.0	20	60	6	4
EPCRC40300225U	3.0	0.2R	3.0	25	60	6	4
EPCRC40300230U	3.0	0.2R	3.0	30	75	6	4
EPCRC40300235U	3.0	0.2R	3.0	35	75	6	4
EPCRC40300310U	3.0	0.3R	3.0	10	50	6	4
EPCRC40300316U	3.0	0.3R	3.0	16	60	6	4
EPCRC40300320U	3.0	0.3R	3.0	20	60	6	4
EPCRC40300325U	3.0	0.3R	3.0	25	60	6	4
EPCRC40300330U	3.0	0.3R	3.0	30	75	6	4
EPCRC40300335U	3.0	0.3R	3.0	35	75	6	4
EPCRC40300510U	3.0	0.5R	3.0	10	50	6	4
EPCRC40300516U	3.0	0.5R	3.0	16	60	6	4
EPCRC40300520U	3.0	0.5R	3.0	20	60	6	4
EPCRC40300525U	3.0	0.5R	3.0	25	60	6	4
EPCRC40300530U	3.0	0.5R	3.0	30	75	6	4
EPCRC40300535U	3.0	0.5R	3.0	35	75	6	4
EPCRC40301010U	3.0	1.0R	3.0	10	50	6	4
EPCRC40301016U	3.0	1.0R	3.0	16	60	6	4
EPCRC40301020U	3.0	1.0R	3.0	20	60	6	4
EPCRC40301025U	3.0	1.0R	3.0	25	60	6	4
EPCRC40301030U	3.0	1.0R	3.0	30	75	6	4
EPCRC40301035U	3.0	1.0R	3.0	35	75	6	4

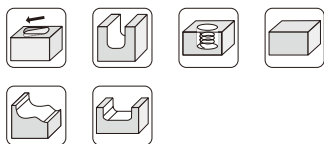
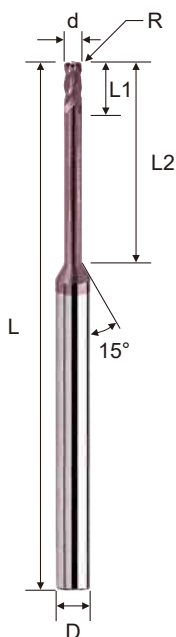
Cutting conditions (建議切削參數表) : Table 053

d	Tolerance
Ø	0 ~ 0.02
R	± 0.02

鎢鋼圓鼻銑刀 - 長頸型 - 4 刃

- ## Solid Carbide Endmills

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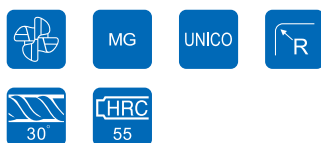
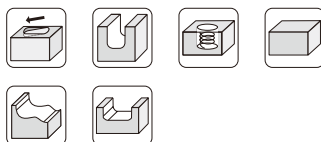
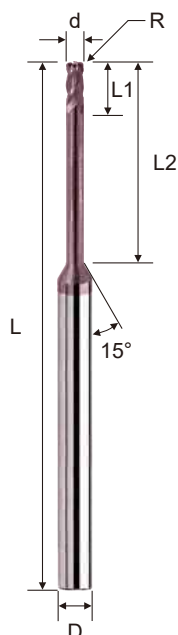


Cutting conditions (建議切削參數表) : Table 053

Order No.	Dia. (d)	Corner Radius (R)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPCRC40400113U	4.0	0.1R	4.0	13	50	6	4
EPCRC40400116U	4.0	0.1R	4.0	16	60	6	4
EPCRC40400120U	4.0	0.1R	4.0	20	60	6	4
EPCRC40400125U	4.0	0.1R	4.0	25	60	6	4
EPCRC40400130U	4.0	0.1R	4.0	30	75	6	4
EPCRC40400135U	4.0	0.1R	4.0	35	75	6	4
EPCRC40400213U	4.0	0.2R	4.0	13	50	6	4
EPCRC40400216U	4.0	0.2R	4.0	16	60	6	4
EPCRC40400220U	4.0	0.2R	4.0	20	60	6	4
EPCRC40400225U	4.0	0.2R	4.0	25	60	6	4
EPCRC40400230U	4.0	0.2R	4.0	30	75	6	4
EPCRC40400235U	4.0	0.2R	4.0	35	75	6	4
EPCRC40400313U	4.0	0.3R	4.0	13	50	6	4
EPCRC40400316U	4.0	0.3R	4.0	16	60	6	4
EPCRC40400320U	4.0	0.3R	4.0	20	60	6	4
EPCRC40400325U	4.0	0.3R	4.0	25	60	6	4
EPCRC40400330U	4.0	0.3R	4.0	30	75	6	4
EPCRC40400335U	4.0	0.3R	4.0	35	75	6	4
EPCRC40400513U	4.0	0.5R	4.0	13	50	6	4
EPCRC40400516U	4.0	0.5R	4.0	16	60	6	4
EPCRC40400520U	4.0	0.5R	4.0	20	60	6	4
EPCRC40400525U	4.0	0.5R	4.0	25	60	6	4
EPCRC40400530U	4.0	0.5R	4.0	30	75	6	4
EPCRC40400535U	4.0	0.5R	4.0	35	75	6	4
EPCRC40401013U	4.0	1.0R	4.0	13	50	6	4
EPCRC40401016U	4.0	1.0R	4.0	16	60	6	4
EPCRC40401020U	4.0	1.0R	4.0	20	60	6	4
EPCRC40401025U	4.0	1.0R	4.0	25	60	6	4
EPCRC40401030U	4.0	1.0R	4.0	30	75	6	4
EPCRC40401035U	4.0	1.0R	4.0	35	75	6	4

鎢鋼圓鼻銑刀 - 長頸型 - 4 刃

- EPCBC4**
EPCRC4



Order No.	Dia. (d)	Corner Radius (R)	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPCRC40500116U	5.0	0.1R	5.0	16	60	6	4
EPCRC40500130U	5.0	0.1R	5.0	30	60	6	4
EPCRC40500216U	5.0	0.2R	5.0	16	60	6	4
EPCRC40500230U	5.0	0.2R	5.0	30	60	6	4
EPCRC40500316U	5.0	0.3R	5.0	16	60	6	4
EPCRC40500330U	5.0	0.3R	5.0	30	60	6	4
EPCRC40500516U	5.0	0.5R	5.0	16	60	6	4
EPCRC40500530U	5.0	0.5R	5.0	30	60	6	4
EPCRC40501016U	5.0	1.0R	5.0	16	60	6	4
EPCRC40501030U	5.0	1.0R	5.0	30	60	6	4
EPCRC40600120U	6.0	0.1R	7.0	20	60	6	4
EPCRC40600130U	6.0	0.1R	7.0	30	60	6	4
EPCRC40600220U	6.0	0.2R	7.0	20	60	6	4
EPCRC40600230U	6.0	0.2R	7.0	30	60	6	4
EPCRC40600320U	6.0	0.3R	7.0	20	60	6	4
EPCRC40600330U	6.0	0.3R	7.0	30	60	6	4
EPCRC40600520U	6.0	0.5R	7.0	20	60	6	4
EPCRC40600530U	6.0	0.5R	7.0	30	60	6	4
EPCRC40601020U	6.0	1.0R	7.0	20	60	6	4
EPCRC40601030U	6.0	1.0R	7.0	30	60	6	4
EPCRC40601520U	6.0	1.5R	7.0	20	60	6	4
EPCRC40601530U	6.0	1.5R	7.0	30	60	6	4
EPCRC40800522U	8.0	0.5R	9.0	22	60	8	4
EPCRC40801022U	8.0	1.0R	9.0	22	60	8	4
EPCRC40801522U	8.0	1.5R	9.0	22	60	8	4
EPCRC40802022U	8.0	2.0R	9.0	22	60	8	4
EPCRC41000524U	10.0	0.5R	11.0	24	75	10	4
EPCRC41001024U	10.0	1.0R	11.0	24	75	10	4
EPCRC41001524U	10.0	1.5R	11.0	24	75	10	4
EPCRC41002024U	10.0	2.0R	11.0	24	75	10	4
EPCRC41200526U	12.0	0.5R	13.0	26	75	12	4
EPCRC41201026U	12.0	1.0R	13.0	26	75	12	4
EPCRC41201526U	12.0	1.5R	13.0	26	75	12	4
EPCRC41202026U	12.0	2.0R	13.0	26	75	12	4

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G550 - Taper Neck Corner Radius Type - 2F

鎢鋼圓鼻銑刀 - 斜頸型 - 2 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
 - Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
 - Various tape angle makes it suitable for different applications.
 - Small corner radius applied protect chipping of cutting edges.
- High strength of taper neck, can cut deep grooves without breaking.

Solid Carbide Endmills

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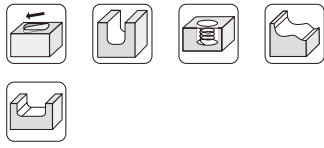
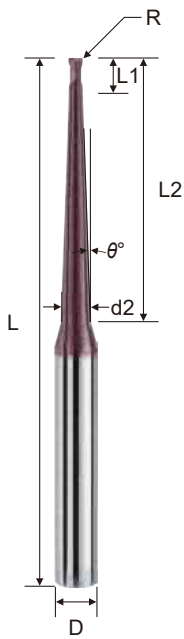
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UNICO

d	Tolerance
Ø	0 ~ 0.02
R	± 0.02

Order No.	Dia. (d)	Corner Radius (R)	θ°	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPCRT20100120HU	1.0	0.10R	0.5°	2.0	20	60	6	2
EPCRT201001201U	1.0	0.10R	1.0°	2.0	20	60	6	2
EPCRT20100120AU	1.0	0.10R	1.5°	2.0	20	60	6	2
EPCRT201201230HU2C	1.2	0.12R	0.5°	2.0	30	75	6	2
EPCRT2012012301U2C	1.2	0.12R	1.0°	2.0	30	75	6	2
EPCRT201201230AU2C	1.2	0.12R	1.5°	2.0	30	75	6	2
EPCRT201501530HU2C	1.5	0.15R	0.5°	2.0	30	75	6	2
EPCRT2015015301U2C	1.5	0.15R	1.0°	2.0	30	75	6	2
EPCRT201501530AU2C	1.5	0.15R	1.5°	2.0	30	75	6	2
EPCRT201801830HU2C	1.8	0.18R	0.5°	2.0	30	75	6	2
EPCRT2018018301U2C	1.8	0.18R	1.0°	2.0	30	75	6	2
EPCRT201801830AU2C	1.8	0.18R	1.5°	2.0	30	75	6	2
EPCRT20200225AU	2.0	0.20R	1.5°	3.0	25	75	6	2
EPCRT20200239AU	2.0	0.20R	1.5°	3.0	39	75	6	2
EPCRT20200525AU	2.0	0.50R	1.5°	3.0	25	75	6	2
EPCRT20200539AU	2.0	0.50R	1.5°	3.0	39	75	6	2
EPCRT20200550AU	2.0	0.50R	1.5°	3.0	50	100	6	2
EPCRT20200535HU4C	2.0	0.50R	0.5°	4.0	35	75	6	2
EPCRT202005351U4C	2.0	0.50R	1.0°	4.0	35	75	6	2
EPCRT20200535AU4C	2.0	0.50R	1.5°	4.0	35	75	6	2
EPCRT20250535HU5C	2.5	0.50R	0.5°	5.0	35	75	6	2
EPCRT202505351U5C	2.5	0.50R	1.0°	5.0	35	75	6	2
EPCRT20250535AU5C	2.5	0.50R	1.5°	5.0	35	75	6	2
EPCRT20251035HU5C	2.5	1.00R	0.5°	5.0	35	75	6	2
EPCRT202510351U5C	2.5	1.00R	1.0°	5.0	35	75	6	2
EPCRT20251035AU5C	2.5	1.00R	1.5°	5.0	35	75	6	2

G550 - Taper Neck Corner Radius Type - 2F

鎢鋼圓鼻銑刀 - 斜頸型 - 2 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
 - Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
 - Various tape angle makes it suitable for different applications.
 - Small corner radius applied protect chipping of cutting edges.
- High strength of taper neck, can cut deep grooves without breaking.

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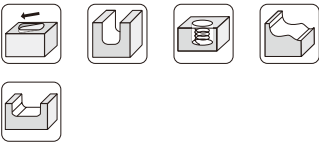
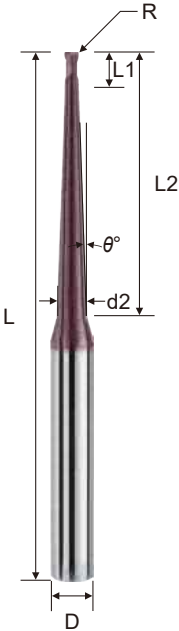
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d	Tolerance
Ø	0 ~ 0.02
R	± 0.02

Order No.	Dia. (d)	Corner Radius (R)	θ°	CL (L1)	EFF-L (L2)	OAL (L)	Shank (D)	Flutes (F)
EPCRT20300525AU	3.0	0.50R	1.5°	4.5	25	75	6	2
EPCRT20301025AU	3.0	1.00R	1.5°	4.5	25	75	6	2
EPCRT20301039AU	3.0	1.00R	1.5°	4.5	39	75	6	2
EPCRT20301050AU	3.0	1.00R	1.5°	4.5	50	100	6	2
EPCRT20300535HU5C	3.0	0.50R	0.5°	5.0	35	75	6	2
EPCRT203005351U5C	3.0	0.50R	1.0°	5.0	35	75	6	2
EPCRT20300535AU5C	3.0	0.50R	1.5°	5.0	35	75	6	2
EPCRT20301035HU5C	3.0	1.00R	0.5°	5.0	35	75	6	2
EPCRT203010351U5C	3.0	1.00R	1.0°	5.0	35	75	6	2
EPCRT20301035AU5C	3.0	1.00R	1.5°	5.0	35	75	6	2
EPCRT20350535HU	3.5	0.50R	0.5°	5.0	35	75	6	2
EPCRT203505351U	3.5	0.50R	1.0°	5.0	35	75	6	2
EPCRT20350535AU	3.5	0.50R	1.5°	5.0	35	75	6	2
EPCRT20351035HU	3.5	1.00R	0.5°	5.0	35	75	6	2
EPCRT203510351U	3.5	1.00R	1.0°	5.0	35	75	6	2
EPCRT20351035AU	3.5	1.00R	1.5°	5.0	35	75	6	2
EPCRT20400545HU	4.0	0.50R	0.5°	6.0	45	100	6	2
EPCRT204005451U	4.0	0.50R	1.0°	6.0	45	100	6	2
EPCRT20400525AU	4.0	0.50R	1.5°	6.0	25	75	6	2
EPCRT20400545AU	4.0	0.50R	1.5°	6.0	45	100	6	2
EPCRT20401045HU	4.0	1.00R	0.5°	6.0	45	100	6	2
EPCRT204010451U	4.0	1.00R	1.0°	6.0	45	100	6	2
EPCRT20401025AU	4.0	1.00R	1.5°	6.0	25	75	6	2
EPCRT20401045AU	4.0	1.00R	1.5°	6.0	45	100	6	2
EPCRT20501025AU	5.0	1.00R	1.5°	7.5	25	75	6	2
EPCRT20501050AU	5.0	1.00R	1.5°	7.5	50	100	8	2
EPCRT20601035AU	6.0	1.00R	1.5°	9.0	35	75	8	2
EPCRT20601050AU	6.0	1.00R	1.5°	9.0	50	100	10	2

G550 - Inner Radius Type - 2F / 4F

鎢鋼內 R 角銑刀 - 2 / 4 刃

- UNICO Coating provides superior wear resistance and reduces the coefficient of friction.
- Suitable for HRC 30 to HRC 55 Ordinary Steel, Alloy Steel, Cast Iron, Heat-Resistant Steel, etc.
- Inner radius tools are suitable for chamfering with round corner application.

Solid Carbide Endmills

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EPISA2
EPIFA4
EPISA4

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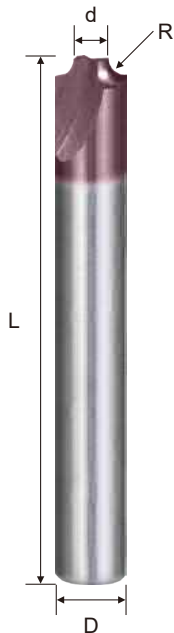
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Order No.	Corner Radius (R)	Dia. (d1)	OAL (L)	Shank (D)	Flutes (F)
EPIFA202905U	0.5R	2.9	50	4	2
EPISA204905U	0.5R	4.9	50	6	2
EPIFA201910U	1.0R	1.9	50	4	2
EPISA203910U	1.0R	3.9	50	6	2
EPISA205910U	1.0R	5.9	60	8	2
EPISA204915U	1.5R	4.9	60	8	2
EPISA205920U	2.0R	5.9	75	10	2
EPISA204925U	2.5R	4.9	75	10	2
EPISA205930U	3.0R	5.9	75	12	2
EPISA203940U	4.0R	3.9	75	12	2
EPISA205950U	5.0R	5.9	75	16	2
EPISA203960U	6.0R	3.9	75	16	2
EPIFA402905U	0.5R	2.9	50	4	4
EPISA404905U	0.5R	4.9	50	6	4
EPIFA401910U	1.0R	1.9	50	4	4
EPISA403910U	1.0R	3.9	50	6	4
EPISA405910U	1.0R	5.9	60	8	4
EPISA404915U	1.5R	4.9	60	8	4
EPISA405920U	2.0R	5.9	75	10	4
EPISA404925U	2.5R	4.9	75	10	4
EPISA405930U	3.0R	5.9	75	12	4
EPISA403940U	4.0R	3.9	75	12	4
EPISA405950U	5.0R	5.9	75	16	4
EPISA403960U	6.0R	3.9	75	16	4

Cutting conditions (建議切削參數表) : Table 054

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