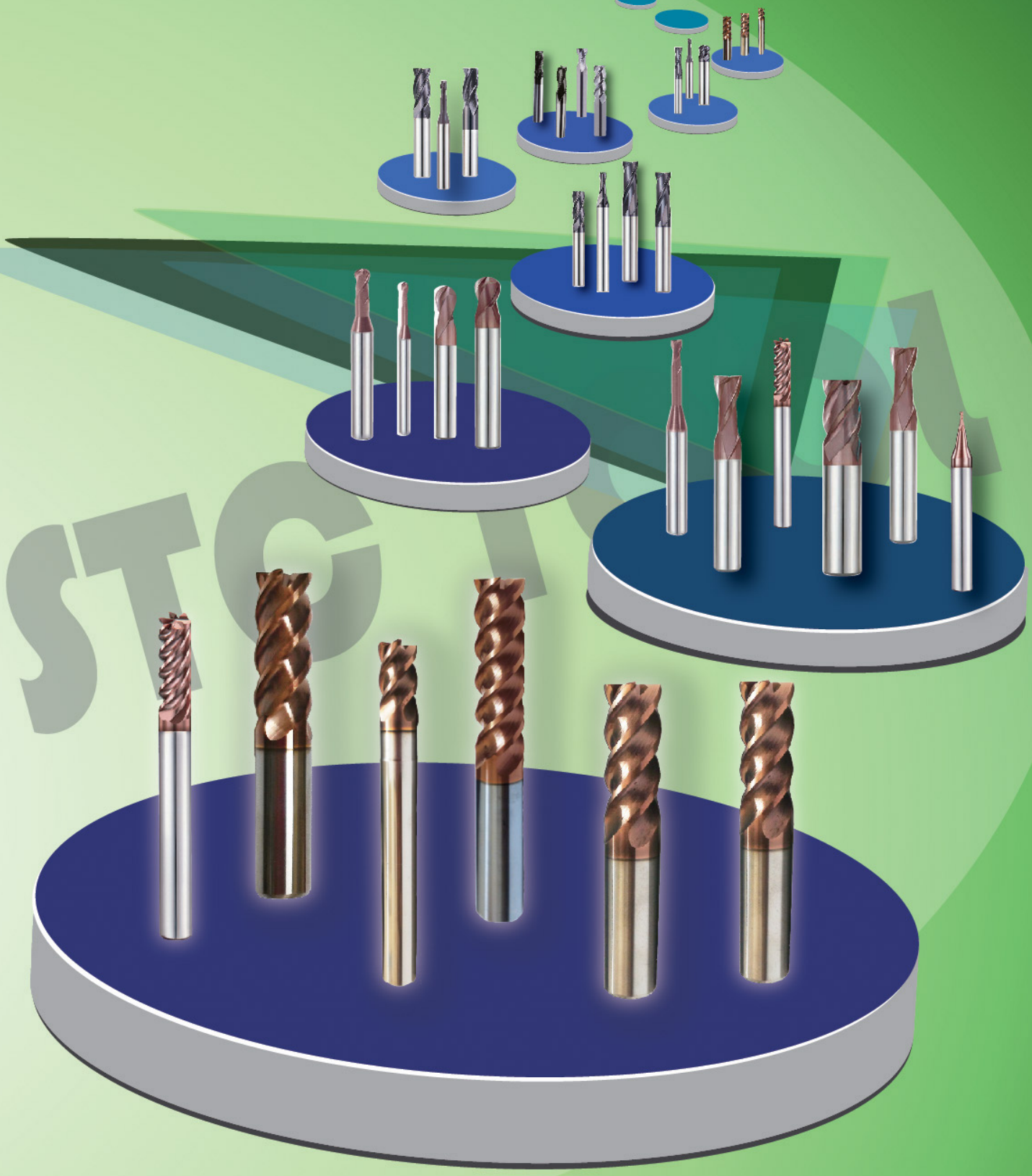
新泰錩

精密科技有限公司

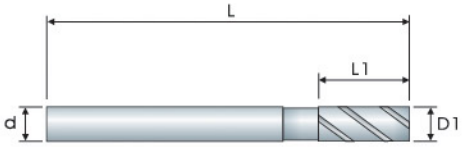
STC Precision Technology Co., Ltd.



超高硬度全鎢鋼銑刀-標準

STC EPOCH POWER MILL Regular Type

Micro MG | HSN2 | HRC 60 | 43° | 4 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
STC-EPM4010-4	●	1	3	50	4	4
STC-EPM4015-4	●	1.5	4	50	4	4
STC-EPM4020-4	●	2	6	50	4	4
STC-EPM4025-4	●	2.5	8	50	4	4
STC-EPM4030-4	●	3	8	50	4	4
STC-EPM4040-4	●	4	11	50	4	4
STC-EPM4020-6	●	2	6	50	6	4
STC-EPM4030-6	●	3	8	50	6	4
STC-EPM4040-6	●	4	11	50	6	4
STC-EPM4050	●	5	13	50	6	4
STC-EPM4060	●	6	16	50	6	4
STC-EPM4080	●	8	20	60	8	4
STC-EPM4100	●	10	30	75	10	4
STC-EPM4120		12	32	75	12	4
STC-EPM4160	●	16	40	100	16	4
STC-EPM4200	●	20	45	100	20	4

●印: 標準在庫品.Stocked items

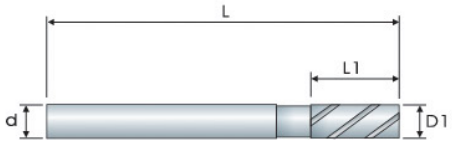
◎優 Excellent ●可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎	◎	◎		●		●	●	●

超高硬度全鎢鋼銑刀-長柄型

STC EPOCH POWER MILL Long Shank

Micro MG | HSN2 | HRC 60 | 43° | 4 Flute | Shank h6



單位(unit):mm

型號 MODE	在庫 Stocket	直徑 D1 Tool Dia	刃長L1 Flute Length	全長L Overall Length	柄徑d Shank Dia.	刃數T No. of Flute
STC-EPM-LS4040-04075	●	4	11	75	4	4
STC-EPM-LS4040-04100	●	4	11	100	4	4
STC-EPM-LS4060-06075	●	6	16	75	6	4
STC-EPM-LS4060-06100	●	6	16	100	6	4
STC-EPM-LS4080-08075	●	8	20	75	8	4
STC-EPM-LS4080-08100	●	8	20	100	8	4
STC-EPM-LS4080-08150	□	8	20	150	8	4
STC-EPM-LS4100-10100	●	10	30	100	10	4
STC-EPM-LS4100-10150	□	10	30	150	10	4
STC-EPM-LS4120-12100	●	12	32	100	12	4
STC-EPM-LS4120-12150	□	12	32	150	12	4
STC-EPM-LS4160-16150	□	16	40	150	16	4
STC-EPM-LS4200-20150	□	20	45	150	20	4

●印: 標準在庫品.Stocked items　　□印: 無在庫品，訂製生產品

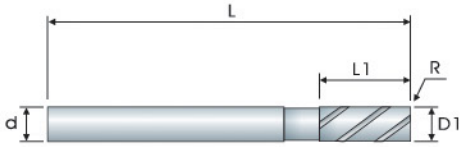
◉優 Excellent ●可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◉	◉	◉	◉	◉		●		●	●	●

超高硬度全鎢鋼銑刀-圓鼻刀

STC EPOCH POWER MILL Radius

Micro MG | HSN2 | HRC 60 | 43° | 4 Flute | Shank h6



單位(unit):mm

型號 MODE	在庫 Stocket	直徑 D1 Tool Dia	圓鼻 Corner Radius	刃長L1 Flute Length	全長L Overall Length	柄徑d Shank Dia.	刃數T No. of Flute
STC-EPM-RS-4010-02-4	●	1	0.2R	3	50	4	4
STC-EPM-RS-4015-02-4	●	1.5	0.2R	4	50	4	4
STC-EPM-RS-4020-02-4	●	2	0.2R	6	50	4	4
STC-EPM-RS-4020-03-4	●	2	0.3R	6	50	4	4
STC-EPM-RS-4020-05-4	●	2	0.5R	6	50	4	4
STC-EPM-RS-4030-02-4	●	3	0.2R	8	50	4	4
STC-EPM-RS-4030-03-4	●	3	0.3R	8	50	4	4
STC-EPM-RS-4030-05-4	●	3	0.5R	8	50	4	4
STC-EPM-RS-4040-02-4	●	4	0.2R	10	50	4	4
STC-EPM-RS-4040-03-4	●	4	0.3R	10	50	4	4
STC-EPM-RS-4040-05-4	●	4	0.5R	10	50	4	4
STC-EPM-RS-4040-10-4	●	4	1R	10	50	4	4
STC-EPM-RS-4040-02-6	●	4	0.2R	10	50	6	4
STC-EPM-RS-4040-03-6	●	4	0.3R	10	50	6	4
STC-EPM-RS-4040-05-6	●	4	0.5R	10	50	6	4
STC-EPM-RS-4040-10-6	●	4	1R	10	50	6	4
STC-EPM-RS-4060-02	●	6	0.2R	15	50	6	4
STC-EPM-RS-4060-03	●	6	0.3R	15	50	6	4
STC-EPM-RS-4060-05	●	6	0.5R	15	50	6	4
STC-EPM-RS-4060-10	●	6	1R	15	50	6	4
STC-EPM-RS-4080-03	●	8	0.3R	20	60	8	4
STC-EPM-RS-4080-05	●	8	0.5R	20	60	8	4
STC-EPM-RS-4080-10	●	8	1R	20	60	8	4
STC-EPM-RS-4080-15	●	8	1.5R	20	60	8	4
STC-EPM-RS-4080-20	●	8	2R	20	60	8	4
STC-EPM-RS-4100-03	●	10	0.3R	25	75	10	4
STC-EPM-RS-4100-05	●	10	0.5R	25	75	10	4
STC-EPM-RS-4100-10	●	10	1R	25	75	10	4
STC-EPM-RS-4100-15	●	10	1.5R	25	75	10	4
STC-EPM-RS-4100-20	●	10	2R	25	75	10	4
STC-EPM-RS-4120-05	●	12	0.5R	30	75	12	4

●印: 標準在庫品.Stocked items　　□印: 無在庫品，印製生產品

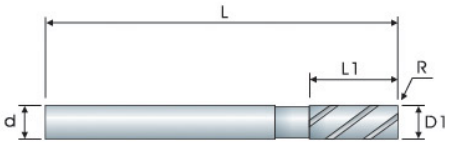
◉優 Excellent　●可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◉	◉	◉	◉	◉		●		●	●	●

超高硬度全鎢鋼銑刀-圓鼻刀

STC EPOCH POWER MILL Radius

Micro MG | HSN2 | HRC 60 | 43° | 4 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	圓鼻	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Corner Radius	Flute Length	Overall Length	Shank Dia.	No. of Flute
STC-EPM-RS-4120-10	●	12	1R	30	75	12	4
STC-EPM-RS-4120-15	●	12	1.5R	30	75	12	4
STC-EPM-RS-4120-20	●	12	2R	30	75	12	4
STC-EPM-RS-4120-30	●	12	3R	30	75	12	4
STC-EPM-RS-4160-10	□	16	1R	40	100	16	4
STC-EPM-RS-4160-15	□	16	1.5R	40	100	16	4
STC-EPM-RS-4160-20	□	16	2R	40	100	16	4
STC-EPM-RS-4160-30	□	16	3R	40	100	16	4
STC-EPM-RS-4200-10	□	20	1R	45	100	20	4
STC-EPM-RS-4200-15	□	20	1.5R	45	100	20	4
STC-EPM-RS-4200-20	□	20	2R	45	100	20	4
STC-EPM-RS-4200-30	□	20	3R	45	100	20	4

●印: 標準在庫品.Stocked items　　□印: 無在庫品，印製生產品

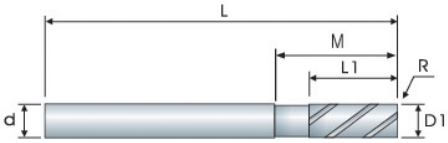
◎優 Excellent ●可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鉻鎳鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎	◎	◎		●		●	●	●

超高硬度全鎢鋼銑刀-短刃長頸型圓鼻刀

STC EPOCH POWER MILL Radius Short-Long Neck

Micro MG | HSN2 | HRC 60 | 43° | 4 Flute | Shank h6



單位(unit):mm

型號 MODE	在庫 Stocket	直徑 D1 Tool Dia	圓鼻 Corner Radius	刃長L1 Flute Length	首下長M Under Neck Length	全長L Overall Length	柄徑d Shank Dia.	刃數T No. of Flute
STC-EPM-RSLN-4030-02-4	●	3	0.2R	4.5	9	50	4	4
STC-EPM-RSLN-4030-05-4	●	3	0.5R	4.5	9	50	4	4
STC-EPM-RSLN-4040-02-4	●	4	0.2R	6	12	50	4	4
STC-EPM-RSLN-4040-05-4	●	4	0.5R	6	12	50	4	4
STC-EPM-RSLN-4030-02-6	●	3	0.2R	4.5	9	60	6	4
STC-EPM-RSLN-4030-05-6	●	3	0.5R	4.5	9	60	6	4
STC-EPM-RSLN-4040-02-6	●	4	0.2R	6	12	60	6	4
STC-EPM-RSLN-4040-05-6	●	4	0.5R	6	12	60	6	4
STC-EPM-RSLN-4060-03	●	6	0.3R	9	18	75	6	4
STC-EPM-RSLN-4060-05	●	6	0.5R	9	18	75	6	4
STC-EPM-RSLN-4060-10	●	6	1R	9	18	75	6	4
STC-EPM-RSLN-4080-05	●	8	0.5R	12	24	100	8	4
STC-EPM-RSLN-4080-10	●	8	1R	12	24	100	8	4
STC-EPM-RSLN-4080-15	●	8	1.5R	12	24	100	8	4
STC-EPM-RSLN-4100-05	●	10	0.5R	15	30	100	10	4
STC-EPM-RSLN-4100-10	●	10	1R	15	30	100	10	4
STC-EPM-RSLN-4100-15	●	10	1.5R	15	30	100	10	4
STC-EPM-RSLN-4120-05	●	12	0.5R	15	36	100	12	4
STC-EPM-RSLN-4120-10	●	12	1R	18	36	100	12	4
STC-EPM-RSLN-4120-15	●	12	1.5R	18	36	100	12	4
STC-EPM-RSLN-4120-20	●	12	2R	18	36	100	12	4

●印: 標準在庫品.Stocked items

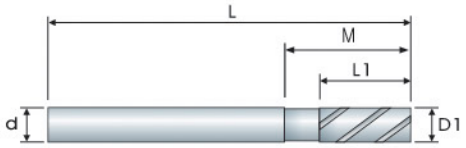
◎優 Excellent ●可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎	◎	◎		●		●	●	●

超高硬度全鎢鋼銑刀-短刃長頸

STC EPOCH POWER MILL Short-Long Neck

Micro MG | HSN2 | HRC 60 | 43° | 4 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	首下長M	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Under Neck Length	Overall Length	Shank Dia.	No. of Flute
STC-EPM-SLN-4010-030-4	●	1	1.5	3	50	4	4
STC-EPM-SLN-4015-045-4	●	1.5	2.3	4.5	50	4	4
STC-EPM-SLN-4020-060-4	●	2	3	6	50	4	4
STC-EPM-SLN-4030-090-4	●	3	4.5	9	50	4	4
STC-EPM-SLN-4040-120-4	●	4	6	12	50	4	4
STC-EPM-SLN-4040-120-6	●	4	6	12	50	6	4
STC-EPM-SLN-4050-150	●	5	7.5	15	50	6	4
STC-EPM-SLN-4060-180	●	6	9	18	50	6	4
STC-EPM-SLN-4080-240	●	8	12	24	60	8	4
STC-EPM-SLN-4100-300	●	10	15	30	75	10	4
STC-EPM-SLN-4120-360	●	12	18	36	75	12	4
STC-EPM-SLN-4160-480	□	16	24	48	100	16	4
STC-EPM-SLN-4200-600	□	20	30	60	100	20	4

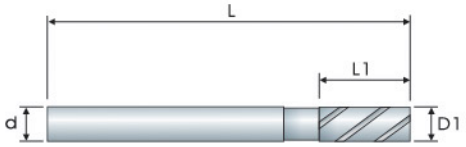
●印: 標準在庫品.Stocked items　　□印: 無在庫品，訂製生產品

◉優 Excellent ●可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◉	◉	◉	◉	◉		●		●	●	●

STC EPOCH POWER MILL Long Cutting Length

Micro MG | HSN2 | HRC 60 | 43° | 4 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
STC-EPML4010-4	□	1	4	50	4	4
STC-EPML4020-4	□	2	8	50	4	4
STC-EPML4030-4	□	3	12	55	4	4
STC-EPML4040-4	□	4	16	50	4	4
STC-EPML4030-6	●	3	12	75	6	4
STC-EPML4040-6	●	4	16	75	6	4
STC-EPML4050	●	5	20	75	6	4
STC-EPML4060	●	6	25	75	6	4
STC-EPML4080	●	8	40	100	8	4
STC-EPML4100	●	10	45	100	10	4
STC-EPML4120	●	12	55	100	12	4
STC-EPML4160	●	16	65	150	16	4
STC-EPML4200	●	20	75	150	20	4

●印: 標準在庫品.Stocked items　　□印: 無在庫品，訂製生產品

◎優 Excellent ●可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鉻鎳鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎	◎	◎		●		●	●	●

CARBIDE END MILLS - Square Type 2 Flutes- Miniature

Super MG | AlTiN COAT | HRC 50 | 35 | 2 Flute | Shank h6

單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
JCS200204A	●	0.2	0.4	50	4	2
JCS200304A	●	0.3	0.6	50	4	2
JCS200404A	●	0.4	0.8	50	4	2
JCS200504A	●	0.5	1	50	4	2
JCS200604A	●	0.6	1.2	50	4	2
JCS200704A	●	0.7	1.4	50	4	2
JCS200804A	●	0.8	1.6	50	4	2
JCS200904A	●	0.9	1.8	50	4	2
JCS201104A	●	1.1	3	50	4	2
JCS201204A	●	1.2	3	50	4	2
JCS201304A	●	1.3	3	50	4	2
JCS201404A	●	1.4	3	50	4	2
JCS201604A	●	1.6	4	50	4	2
JCS201704A	●	1.7	4	50	4	2
JCS201804A	●	1.8	4	50	4	2
JCS201904A	●	1.9	4	50	4	2
JCS202104A	●	2.1	6	50	4	2
JCS202204A	●	2.2	6	50	4	2
JCS202304A	●	2.3	6	50	4	2
JCS202404A	●	2.4	6	50	4	2
JCS202604A	●	2.6	8	50	4	2
JCS202704A	●	2.7	8	50	4	2
JCS202804A	●	2.8	8	50	4	2
JCS202904A	●	2.9	8	50	4	2

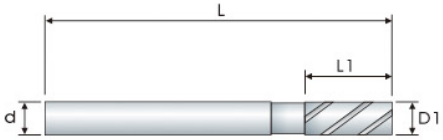
●印: 標準在庫品.Stocked items

◎優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎				●		●	●	●

CARBIDE END MILLS - Square Type 2 Flutes

Super MG | AlTiN COAT | HRC 50 | 35 | 2 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
JCS201003A	□	1	3	50	3	2
JCS201503A	□	1.5	4	50	3	2
JCS202003A	□	2	6	50	3	2
JCS202503A	□	2.5	8	50	3	2
JCS203003A	□	3	9	50	3	2
JCS201004A	●	1	3	50	4	2
JCS201504A	●	1.5	4	50	4	2
JCS202004A	●	2	6	50	4	2
JCS202504A	●	2.5	8	50	4	2
JCS203004A	●	3	9	50	4	2
JCS203504A	●	3.5	10	50	4	2
JCS204004A	●	4	11	50	4	2
JCS201006A	●	1	3	50	6	2
JCS201506A	●	1.5	4	50	6	2
JCS202006A	●	2	6	50	6	2
JCS202506A	●	2.5	8	50	6	2
JCS203006A	●	3	9	50	6	2
JCS203506A	●	3.5	10	50	6	2
JCS204006A	●	4	11	50	6	2
JCS204506A	●	4.5	13	50	6	2
JCS205006A	●	5	13	50	6	2
JCS205506A	●	5.5	13	50	6	2
JCS206006A	●	6	16	50	6	2
JCS206508A	●	6.5	16	60	8	2
JCS207008A	●	7	16	60	8	2
JCS207508A	●	7.5	19	60	8	2
JCS208008A	●	8	20	60	8	2
JCS208510A	●	8.5	20	75	10	2

●印: 標準在庫品.Stocked items　　□印: 無在庫品，訂製生產品

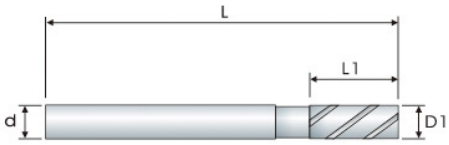
◎優 Excellent　● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎				●		●	●	●

鎢鋼2刃立銑刀

CARBIDE END MILLS - Square Type 2 Flutes

Super MG | AlTiN COAT | HRC 50 | 35 | 2 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
JCS209010A	●	9	20	75	10	2
JCS209510A	●	9.5	25	75	10	2
JCS210010A	●	10	25	75	10	2
JCS210512A	●	10.5	25	75	12	2
JCS211012A	●	11	30	75	12	2
JCS211512A	●	11.5	30	75	12	2
JCS212012A	●	12	32	75	12	2
JCS213016A	□	13	40	100	16	2
JCS214016A	□	14	40	100	16	2
JCS215016A	□	15	40	100	16	2
JCS216016A	●	16	40	100	16	2
JCS217020A	□	17	45	100	20	2
JCS218020A	□	18	45	100	20	2
JCS219020A	□	19	45	100	20	2
JCS220020A	●	20	45	100	20	2
JCS225025A	●	25	45	100	25	2

●印: 標準在庫品.Stocked items　　□印: 無在庫品，訂製生產品

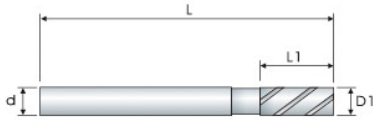
◎優 Excellent　● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎				●		●	●	●

鎢鋼4刃立銑刀

CARBIDE END MILLS - Square Type 4 Flutes

Super MG | AlTiN COAT | HRC 50 | 35° | 4 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
JCS401003A	□	1	3	50	3	4
JCS401503A	□	1.5	4	50	3	4
JCS402003A	□	2	6	50	3	4
JCS402503A	□	2.5	8	50	3	4
JCS403003A	□	3	9	50	3	4
JCS401004A	●	1	3	50	4	4
JCS401504A	●	1.5	4	50	4	4
JCS402004A	●	2	6	50	4	4
JCS402504A	●	2.5	8	50	4	4
JCS403004A	●	3	9	50	4	4
JCS403504A	●	3.5	10	50	4	4
JCS404004A	●	4	11	50	4	4
JCS401006A	●	1	3	50	6	4
JCS401506A	●	1.5	4	50	6	4
JCS402006A	●	2	6	50	6	4
JCS402506A	●	2.5	8	50	6	4
JCS403006A	●	3	9	50	6	4
JCS403506A	●	3.5	10	50	6	4
JCS404006A	●	4	11	50	6	4
JCS404506A	●	4.5	13	50	6	4
JCS405006A	●	5	13	50	6	4
JCS405506A	●	5.5	13	50	6	4
JCS406006A	●	6	16	50	6	4
JCS406508A	●	6.5	16	60	8	4
JCS407008A	●	7	16	60	8	4
JCS407508A	●	7.5	19	60	8	4
JCS408008A	●	8.0	20	60	8	4

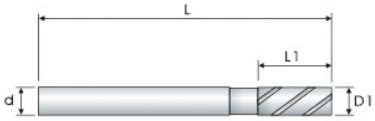
●印: 標準在庫品.Stocked items　　□印: 無在庫品，訂製生產品

◎優 Excellent　● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎				●		●	●	●

CARBIDE END MILLS - Square Type 4 Flutes

Super MG | AlTiN COAT | HRC 50 | 35° | 4 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
JCS408510A	●	8.5	20	75	10	4
JCS409010A	●	9	20	75	10	4
JCS409510A	●	9.5	25	75	10	4
JCS410010A	●	10	30	75	10	4
JCS410512A	●	10.5	30	75	12	4
JCS411012A	●	11	30	75	12	4
JCS411512A	●	11.5	30	75	12	4
JCS412012A	●	12	32	75	12	4
JCS413016A	●	13	40	100	16	4
JCS414016A	●	14	40	100	16	4
JCS415016A	●	15	40	100	16	4
JCS416016A	●	16	40	100	16	4
JCS417020A	●	17	45	100	20	4
JCS418020A	●	18	45	100	20	4
JCS419020A	●	19	45	100	20	4
JCS420020A	●	20	45	100	20	4
JCS425025A	●	25	45	100	25	4

●印: 標準在庫品.Stocked items　　□印: 無在庫品，訂製生產品

◎優 Excellent　● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎				●		●	●	●

CARBIDE END MILLS - Square Type 2 Flutes - Long Shank

Super MG | AlTiN COAT | HRC 50 | 35° | 2 Flute | Shank h6

單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
JCSL203003075A	●	3	9	75	3	2
JCSL201004075A	□	1	3	75	4	2
JCSL201504075A	□	1.5	4	75	4	2
JCSL202004075A	□	2	6	75	4	2
JCSL203004075A	□	3	9	75	4	2
JCSL204004075A	●	4	11	75	4	2
JCSL204004100A	●	4	11	100	4	2
JCSL203006075A	□	3	9	75	6	2
JCSL204006075A	□	4	11	75	6	2
JCSL204006100A	□	4	11	100	6	2
JCSL205006075A	●	5	13	75	6	2
JCSL205006100A	●	5	13	100	6	2
JCSL206006075A	●	6	16	75	6	2
JCSL206006100A	●	6	16	100	6	2
JCSL208008075A	●	8	20	75	8	2
JCSL208008100A	●	8	20	100	8	2
JCSL210010100A	●	10	25	100	10	2
JCSL210010150A	●	10	25	150	10	2
JCSL212012100A	●	12	32	100	12	2
JCSL212012150A	●	12	32	150	12	2
JCSL216016150A	●	16	40	150	16	2
JCSL220020150A	●	20	45	150	20	2

●印: 標準在庫品.Stocked items　　□印: 無在庫品，訂製生產品

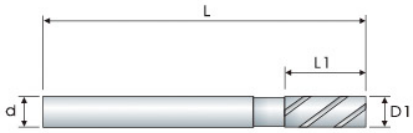
⊙優 Excellent　● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
⊙	⊙	⊙				●		●	●	●

鎢鋼2刃立銑刀 - 長刃長柄型

CARBIDE END MILLS - Square Type 2 Flutes - Long Shank & Long Cutting Length

Super MG | AlTiN COAT | HRC 50 | 35° | 2 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
JCSLL201004A	●	1	7	50	4	2
JCSLL201504A	●	1.5	9	50	4	2
JCSLL202004A	●	2	12	50	4	2
JCSLL202504A	●	2.5	12	50	4	2
JCSLL203006A	●	3	15	60	6	2
JCSLL203506A	●	3.5	15	60	6	2
JCSLL204006A	●	4	20	75	6	2
JCSLL204506A	●	4.5	20	75	6	2
JCSLL205006A	●	5	25	75	6	2
JCSLL205506A	●	5.5	25	75	6	2
JCSLL206006A	●	6	30	75	6	2
JCSLL207008A	●	7	30	100	8	2
JCSLL208008A	●	8	40	100	8	2
JCSLL209010A	●	9	40	100	10	2
JCSLL210010A	●	10	40	100	10	2
JCSLL211012A	●	11	40	100	12	2
JCSLL212012A	●	12	50	100	12	2
JCSLL214016A	□	14	50	150	16	2
JCSLL216016A	□	16	60	150	16	2
JCSLL216016A-75	□	16	*75*	150	16	2
JCSLL220020A	□	20	*75*	150	20	2
JCSLL220020A-90	□	20	*90*	200	20	*2*

●印: 標準在庫品.Stocked items　　□印: 無在庫品，訂製生產品

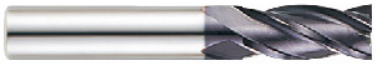
◎優 Excellent　● 可 Good

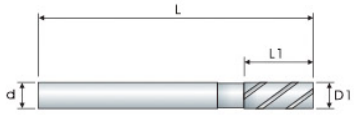
碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎				●		●	●	●

鎢鋼4刃立銑刀 - 長柄型

CARBIDE END MILLS - Square Type 4 Flutes - Long Shank

Super MG | AlTiN COAT | HRC 50 | 35° | 4 Flute | Shank h6





單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
JCSL403003075A	●	3	9	75	3	4
JCSL401004075A	□	1	3	75	4	4
JCSL401504075A	□	1.5	4	75	4	4
JCSL402004075A	□	2	6	75	4	4
JCSL403004075A	□	3	9	75	4	4
JCSL404004075A	●	4	11	75	4	4
JCSL404004100A	●	4	11	100	4	4
JCSL403006075A	□	3	9	75	6	4
JCSL404006075A	□	4	11	75	6	4
JCSL404006100A	□	4	11	100	6	4
JCSL405006075A	●	5	13	75	6	4
JCSL405006100A	●	5	13	100	6	4
JCSL406006075A	●	6	16	75	6	4
JCSL406006100A	●	6	16	100	6	4
JCSL408008075A	●	8	20	75	8	4
JCSL408008100A	●	8	20	100	8	4
JCSL410010100A	●	10	30	100	10	4
JCSL410010150A	●	10	30	150	10	4
JCSL412012100A	●	12	32	100	12	4
JCSL412012150A	●	12	32	150	12	4
JCSL416016150A	●	16	40	150	16	4
JCSL420020150A	●	20	45	150	20	4

●印: 標準在庫品.Stocked items　　□印: 無在庫品，訂製生產品

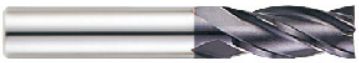
◎優 Excellent　● 可 Good

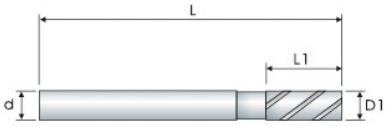
碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎				●		●	●	●

鎢鋼4刃立銑刀 - 長刃長柄型

CARBIDE END MILLS - Square Type 4 Flutes - Long Shank & Long Cutting Length

Super MG | AlTiN COAT | HRC 50 | 35° | 4 Flute | Shank h6





單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
JCSLL401004A	●	1	7	50	4	4
JCSLL401504A	●	1.5	9	50	4	4
JCSLL402004A	●	2	12	50	4	4
JCSLL402504A	●	2.5	12	50	4	4
JCSLL403006A	●	3	15	60	6	4
JCSLL403506A	●	3.5	15	60	6	4
JCSLL404006A	●	4	20	75	6	4
JCSLL404506A	●	4.5	20	75	6	4
JCSLL405006A	●	5	25	75	6	4
JCSLL405506A	●	5.5	25	75	6	4
JCSLL406006A	●	6	30	75	6	4
JCSLL407008A	●	7	30	100	8	4
JCSLL408008A	●	8	40	100	8	4
JCSLL409010A	●	9	40	100	10	4
JCSLL410010A	●	10	40	100	10	4
JCSLL411012A	●	11	40	100	12	4
JCSLL412012A	●	12	50	100	12	4
JCSLL414016A	□	14	50	150	16	4
JCSLL416016A	□	16	60	150	16	4
JCSLL416016A-75	□	16	75	150	16	4
JCSLL420020A	□	20	75	150	20	4
JCSLL420020A-90	□	20	90	200	20	4

●印: 標準在庫品.Stocked items　　□印: 無在庫品，訂製生產品

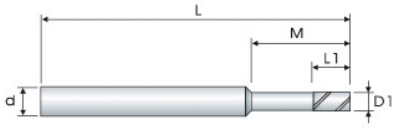
◉優 Excellent　● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◉	◉	◉				●		●	●	●

鎢鋼2刃立銑刀 - 長頸型

CARBIDE END MILLS - Square Type 2 Flutes - Long Neck

Super MG | AlTiN COAT | HRC 50 | 35 | 2 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	有效長M	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Under neck Length	Overall Length	Shank Dia.	No. of Flute
JDS200502A	●	0.5	0.75	2	50	4	2
JDS200504A	●	0.5	0.75	4	50	4	2
JDS200506A	●	0.5	0.75	6	50	4	2
JDS200602A	●	0.6	0.9	2	50	4	2
JDS200604A	●	0.6	0.9	4	50	4	2
JDS200606A	●	0.6	0.9	6	50	4	2
JDS200704A	●	0.7	1.1	4	50	4	2
JDS200706A	●	0.7	1.1	6	50	4	2
JDS200804A	●	0.8	1.2	4	50	4	2
JDS200806A	●	0.8	1.2	6	50	4	2
JDS200808A	●	0.8	1.2	8	50	4	2
JDS200906A	●	0.9	1.4	6	50	4	2
JDS200908A	●	0.9	1.4	8	50	4	2
JDS200910A	●	0.9	1.4	10	50	4	2
JDS201006A	●	1	1.5	6	50	4	2
JDS201008A	●	1	1.5	8	50	4	2
JDS201010A	●	1	1.5	10	50	4	2
JDS201012A	●	1	1.5	12	50	4	2
JDS201014A	●	1	1.5	14	50	4	2
JDS201016A	●	1	1.5	16	50	4	2
JDS201206A	●	1.2	1.8	6	50	4	2
JDS201208A	●	1.2	1.8	8	50	4	2
JDS201210A	●	1.2	1.8	10	50	4	2
JDS201212A	●	1.2	1.8	12	50	4	2
JDS201406A	●	1.4	2.1	6	50	4	2
JDS201410A	●	1.4	2.1	10	50	4	2
JDS201416A	●	1.4	2.1	16	50	4	2
JDS201506A	●	1.5	2.3	6	50	4	2
JDS201508A	●	1.5	2.3	8	50	4	2
JDS201510A	●	1.5	2.3	10	50	4	2

●印: 標準在庫品.Stocked items

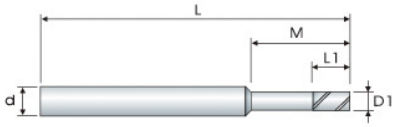
◎優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎				●		●	●	●

鎢鋼2刃立銑刀 - 長頸型

CARBIDE END MILLS - Square Type 2 Flutes - Long Neck

Super MG | AlTiN COAT | HRC 50 | 35 | 2 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	有效長M	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Under neck Length	Overall Length	Shank Dia.	No. of Flute
JDS201512A	●	1.5	2.3	12	50	4	2
JDS201514A	●	1.5	2.3	14	50	4	2
JDS201516A	●	1.5	2.3	16	50	4	2
JDS201518A	●	1.5	2.3	18	50	4	2
JDS201520A	●	1.5	2.3	20	50	4	2
JDS201606A	●	1.6	2.4	6	50	4	2
JDS201608A	●	1.6	2.4	8	50	4	2
JDS201610A	●	1.6	2.4	10	50	4	2
JDS201612A	●	1.6	2.4	12	50	4	2
JDS201614A	●	1.6	2.4	14	50	4	2
JDS201616A	●	1.6	2.4	16	50	4	2
JDS201618A	●	1.6	2.4	18	50	4	2
JDS201620A	●	1.6	2.4	20	50	4	2
JDS201808A	●	1.8	2.7	8	50	4	2
JDS201814A	●	1.8	2.7	14	50	4	2
JDS201820A	●	1.8	2.7	20	50	4	2
JDS202006A	●	2	3	6	50	4	2
JDS202008A	●	2	3	8	50	4	2
JDS202010A	●	2	3	10	50	4	2
JDS202012A	●	2	3	12	50	4	2
JDS202014A	●	2	3	14	50	4	2
JDS202016A	●	2	3	16	50	4	2
JDS202018A	●	2	3	18	50	4	2
JDS202020A	●	2	3	20	50	4	2
JDS202508A	●	2.5	4	8	50	4	2
JDS202510A	●	2.5	4	10	50	4	2
JDS202512A	●	2.5	4	12	50	4	2
JDS202514A	●	2.5	4	14	50	4	2
JDS202516A	●	2.5	4	16	50	4	2
JDS202520A	●	2.5	4	20	50	4	2

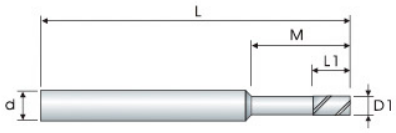
●印: 標準在庫品.Stocked items

◎優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎				●		●	●	●

CARBIDE END MILLS - Square Type 2 Flutes - Long Neck

Super MG | AlTiN COAT | HRC 50 | 35 | 2 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	有效長M	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Under neck Length	Overall Length	Shank Dia.	No. of Flute
JDS203008A	●	3	4.5	8	50	6	2
JDS203010A	●	3	4.5	10	50	6	2
JDS203012A	●	3	4.5	12	50	6	2
JDS203016A	●	3	4.5	16	60	6	2
JDS203020A	●	3	4.5	20	60	6	2
JDS203025A	●	3	6	25	75	6	2
JDS203512A	●	3.5	6	12	50	6	2
JDS203516A	●	3.5	6	16	60	6	2
JDS203520A	●	3.5	6	20	75	6	2
JDS203525A	●	3.5	6	25	75	6	2
JDS203530A	●	3.5	6	30	75	6	2
JDS204012A	●	4	6	12	50	6	2
JDS204016A	●	4	6	16	60	6	2
JDS204020A	●	4	6	20	75	6	2
JDS204025A	●	4	6	25	75	6	2
JDS204030A	●	4	6	30	75	6	2
JDS204035A	●	4	6	35	75	6	2

●印: 標準在庫品.Stocked items　　□印: 無在庫品，訂製生產品

◉優 Excellent　● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◉	◉	◉				●		●	●	●

GRAIN CARBIDE END MILLS - Square Type 3 Flutes, Helix 45°

Super MG | AlTiN COAT | HRC 50 | 45° | 3 Flute | Shank h6

單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
JHS303003A	●	3	8	50	3	3
JHS301004A	●	1	3	50	4	3
JHS301504A	●	1.5	4	50	4	3
JHS302004A	●	2	6	50	4	3
JHS302504A	●	2.5	8	50	4	3
JHS303004A	●	3	8	50	4	3
JHS303504A	●	3.5	10	50	4	3
JHS304004A	●	4	11	50	4	3
JHS301006A	●	1	3	50	6	3
JHS301506A	●	1.5	4	50	6	3
JHS302006A	●	2	6	50	6	3
JHS302506A	●	2.5	8	50	6	3
JHS303006A	●	3	8	50	6	3
JHS303506A	●	3.5	10	50	6	3
JHS304006A	●	4	11	50	6	3
JHS304506A	●	4.5	13	50	6	3
JHS305006A	●	5	13	50	6	3
JHS305506A	●	5.5	13	50	6	3
JHS306006A	●	6	16	50	6	3
JHS306508A	●	6.5	16	60	8	3
JHS307008A	●	7	16	60	8	3
JHS307508A	●	7.5	19	60	8	3
JHS308008A	●	8	20	60	8	3
JHS308510A	●	8.5	20	75	10	3
JHS309010A	●	9	20	75	10	3

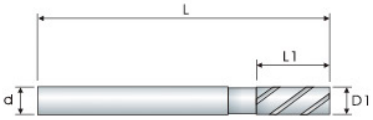
●印: 標準在庫品.Stocked items

◎優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎				●		●	●	●

GRAIN CARBIDE END MILLS - Square Type 3 Flutes, Helix 45°

Super MG | AlTiN COAT | HRC 50 | 45° | 3 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
JHS309510A	●	9.5	25	75	10	3
JHS310010A	●	10	30	75	10	3
JHS310512A	●	10.5	30	75	12	3
JHS311012A	●	11	30	75	12	3
JHS311512A	●	11.5	30	75	12	3
JHS312012A	●	12	32	75	12	3
JHS314016A	●	14	40	100	16	3
JHS316016A	●	16	40	100	16	3
JHS318020A	●	18	45	100	20	3
JHS320020A	●	20	45	100	20	3

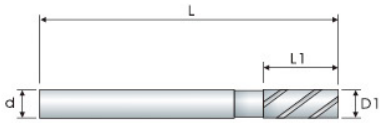
●印: 標準在庫品.Stocked items

◎優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎				●		●	●	●

CARBIDE END MILLS - Square Type 4 Flutes, Helix 45°

Super MG | AlTiN COAT | HRC 50 | 45° | 4 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
JHS403003A	●	3	8	50	3	4
JHS401004A	●	1	3	50	4	4
JHS401504A	●	1.5	4	50	4	4
JHS402004A	●	2	6	50	4	4
JHS402504A	●	2.5	8	50	4	4
JHS403004A	●	3	8	50	4	4
JHS403504A	●	3.5	10	50	4	4
JHS404004A	●	4	11	50	4	4
JHS401006A	●	1	3	50	6	4
JHS401506A	●	1.5	4	50	6	4
JHS402006A	●	2	6	50	6	4
JHS402506A	●	2.5	8	50	6	4
JHS403006A	●	3	8	50	6	4
JHS403506A	●	3.5	10	50	6	4
JHS404006A	●	4	11	50	6	4
JHS404506A	●	4.5	13	50	6	4
JHS405006A	●	5	13	50	6	4
JHS405506A	●	5.5	13	50	6	4
JHS406006A	●	6	16	50	6	4
JHS406508A	●	6.5	16	60	8	4
JHS407008A	●	7	16	60	8	4
JHS407508A	●	7.5	19	60	8	4
JHS408008A	●	8	20	60	8	4
JHS408510A	●	8.5	20	75	10	4
JHS409010A	●	9	20	75	10	4
JHS409510A	●	9.5	25	75	10	4

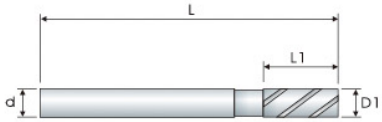
●印: 標準在庫品.Stocked items

◎優Excellent ●可Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎				●		●	●	●

CARBIDE END MILLS - Square Type 4 Flutes, Helix 45°

Super MG | AlTiN COAT | HRC 50 | 45° | 4 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
JHS410010A	●	10	30	75	10	4
JHS410512A	●	10.5	30	75	12	4
JHS411012A	●	11	30	75	12	4
JHS411512A	●	11.5	30	75	12	4
JHS412012A	●	12	32	75	12	4
JHS414016A	●	14	40	100	16	4
JHS416016A	●	16	40	100	16	4
JHS418020A	●	18	45	100	20	4
JHS420020A	●	20	45	100	20	4

●印: 標準在庫品.Stocked items

◎優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎				●		●	●	●

鎢鋼2刃球型立銑刀 - 微小徑

CARBIDE END MILLS - Ball Nose Type 2 Flutes- Miniature

Super MG | AlTiN COAT | HRC 50 | 30 | 2 Flute | Shank h6

單位(unit):mm

型號	在庫	球頭R	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Ball Radius	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
JBS200304A	●	0.15R	0.3	0.6	50	4	2
JBS200404A	●	0.2R	0.4	0.8	50	4	2
JBS200504A	●	0.25R	0.5	1	50	4	2
JBS200604A	●	0.3R	0.6	1.2	50	4	2
JBS200704A	●	0.35R	0.7	1.4	50	4	2
JBS200804A	●	0.4R	0.8	1.6	50	4	2
JBS200904A	●	0.45R	0.9	1.8	50	4	2
JBS201104A	●	0.55R	1.1	2.2	50	4	2
JBS201204A	●	0.6R	1.2	2.4	50	4	2
JBS201304A	●	0.65R	1.3	2.6	50	4	2
JBS201404A	●	0.7R	1.4	2.8	50	4	2
JBS201604A	●	0.8R	1.6	3.2	50	4	2
JBS201704A	●	0.85R	1.7	3.4	50	4	2
JBS201804A	●	0.9R	1.8	3.6	50	4	2
JBS201904A	●	0.95R	1.9	3.8	50	4	2
JBS202104A	●	1.05R	2.1	4.2	50	4	2
JBS202204A	●	1.1R	2.2	4.4	50	4	2
JBS202304A	●	1.15R	2.3	4.6	50	4	2
JBS202404A	●	1.2R	2.4	4.8	50	4	2
JBS202604A	●	1.3R	2.6	5.2	50	4	2
JBS202704A	●	1.35R	2.7	5.4	50	4	2
JBS202804A	●	1.4R	2.8	5.6	50	4	2
JBS202904A	●	1.45R	2.9	5.8	50	4	2

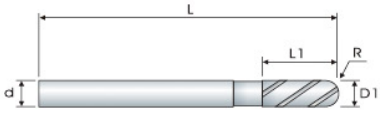
●印: 標準在庫品.Stocked items

◎ 優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎				●		●	●	●

CARBIDE END MILLS - Ball Nose Type 2 Flutes

Super MG | AlTiN COAT | HRC 50 | 30 | 2 Flute | Shank h6



單位(unit):mm

型號	在庫	球頭R	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Ball Radius	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
JBS201003A	●	0.5R	1	2	50	3	2
JBS201503A	●	0.75R	1.5	3	50	3	2
JBS202003A	●	1R	2	4	50	3	2
JBS202503A	●	1.25R	2.5	5	50	3	2
JBS203003A	●	1.5R	3	6	50	3	2
JBS201004A	●	0.5R	1	2	50	4	2
JBS201504A	●	0.75R	1.5	3	50	4	2
JBS202004A	●	1R	2	4	50	4	2
JBS202504A	●	1.25R	2.5	5	50	4	2
JBS203004A	●	1.5R	3	6	50	4	2
JBS203504A	●	1.75R	3.5	7	50	4	2
JBS204004A	●	2R	4	8	50	4	2
JBS201506A	●	0.75R	1.5	3	50	6	2
JBS201006A	●	0.5R	1	2	50	6	2
JBS202006A	●	1R	2	4	50	6	2
JBS202506A	●	1.25R	2.5	5	50	6	2
JBS203006A	●	1.5R	3	6	50	6	2
JBS203506A	●	1.75R	3.5	7	50	6	2
JBS204006A	●	2R	4	8	50	6	2
JBS204506A	●	2.25R	4.5	9	50	6	2
JBS205006A	●	2.5R	5	10	50	6	2
JBS205506A	●	2.75R	5.5	11	50	6	2
JBS206006A	●	3R	6	12	50	6	2
JBS207008A	●	3.5R	7	14	60	8	2
JBS208008A	●	4R	8	16	60	8	2
JBS209010A	●	4.5R	9	18	75	10	2
JBS210010A	●	5R	10	20	75	10	2
JBS211012A	●	5.5R	11	22	75	12	2
JBS212012A	●	6R	12	24	75	12	2
JBS214016A	●	7R	14	28	100	16	2
JBS216016A	●	8R	16	32	100	16	2
JBS218020A	●	9R	18	36	100	20	2
JBS220020A	●	10R	20	40	100	20	2

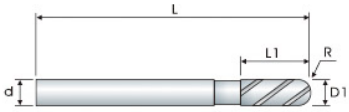
●印: 標準在庫品.Stocked items

⊙ 優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
⊙	⊙	⊙				●		●	●	●

CARBIDE END MILLS - Ball Nose Type 2 Flutes - Long Shank

Super MG | AlTiN COAT | HRC 50 | 30 | 2 Flute | Shank h6



單位(unit):mm

型號	在庫	球頭R	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Ball Radius	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
JBSL201004075A	●	0.5R	1	2	75	4	2
JBSL201006075A	●	0.5R	1	2	75	6	2
JBSL201006100A	●	0.5R	1	2	100	6	2
JBSL201504075A	●	0.75R	1.5	3	75	4	2
JBSL201506075A	●	0.75R	1.5	3	75	6	2
JBSL201506100A	●	0.75R	1.5	3	100	6	2
JBSL202006075A	●	1R	2	4	75	6	2
JBSL202006100A	●	1R	2	4	100	6	2
JBSL202506075A	●	1.25R	2.5	5	75	6	2
JBSL202506100A	●	1.25R	2.5	5	100	6	2
JBSL203006075A	●	1.5R	3	6	75	6	2
JBSL203006100A	●	1.5R	3	6	100	6	2
JBSL203506075A	●	1.75R	3.5	7	100	6	2
JBSL204006075A	●	2R	4	8	75	6	2
JBSL204006100A	●	2R	4	8	100	6	2
JBSL205006075A	●	2.5R	5	10	75	6	2
JBSL205006100A	●	2.5R	5	10	100	6	2
JBSL206006075A	●	3R	6	12	75	6	2
JBSL206006100A	●	3R	6	12	100	6	2
JBSL206006150A	●	3R	6	12	150	6	2
JBSL208008075A	●	4R	8	16	75	8	2
JBSL208008100A	●	4R	8	16	100	8	2
JBSL208008150A	●	4R	8	16	150	8	2
JBSL210010100A	●	5R	10	20	100	10	2
JBSL210010150A	●	5R	10	20	150	10	2
JBSL210010200A	□	5R	10	20	200	10	2
JBSL212012100A	●	6R	12	24	100	12	2
JBSL212012150A	●	6R	12	24	150	12	2
JBSL212012200A	□	6R	12	24	200	12	2
JBSL216016150A	●	8R	16	32	150	16	2
JBSL216016200A	□	8R	16	32	200	16	2
JBSL220020150A	●	10R	20	40	150	20	2
JBSL220020200A	□	10R	20	40	200	20	2

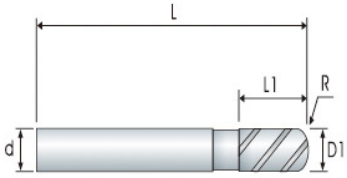
●印: 標準在庫品.Stocked items　　□印: 無在庫品，訂製生產品

◎ 優 Excellent　● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎				●		●	●	●

CARBIDE END MILLS - Ball Nose Type 4 Flutes

Super MG | AlTiN COAT | HRC 50 | 30° | 4 Flute | Shank h6



單位(unit):mm

型號	在庫	球頭R	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Ball Radius	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
JBS402004A	□	1R	2	4	50	4	4
JBS402504A	□	1.25R	2.5	5	50	4	4
JBS403004A	□	1.5R	3	6	50	4	4
JBS403504A	□	1.75R	3.5	7	50	4	4
JBS404004A	□	2R	4	8	50	4	4
JBS401006A	□	0.5R	1	2	50	6	4
JBS401506A	□	0.75R	1.5	3	50	6	4
JBS402006A	□	1R	2	4	50	6	4
JBS402506A	□	1.25R	2.5	5	50	6	4
JBS403006A	□	1.5R	3	6	50	6	4
JBS403506A	□	1.75R	3.5	7	50	6	4
JBS404006A	□	2R	4	8	50	6	4
JBS404506A	□	2.25R	4.5	9	50	6	4
JBS405006A	□	2.5R	5	10	50	6	4
JBS405506A	□	2.75R	5.5	11	50	6	4
JBS406006A	□	3R	6	12	50	6	4
JBS407008A	□	3.5R	7	14	60	8	4
JBS408008A	□	4R	8	16	60	8	4
JBS409010A	□	4.5R	9	18	75	10	4
JBS410010A	□	5R	10	20	75	10	4
JBS411012A	□	5.5R	11	22	75	12	4
JBS412012A	□	6R	12	24	75	12	4
JBS414016A	□	7R	14	28	100	16	4
JBS416016A	□	8R	16	32	100	16	4
JBS418020A	□	9R	18	36	100	20	4
JBS420020A	□	10R	20	40	100	20	4

□印: 無在庫品，訂製生產品

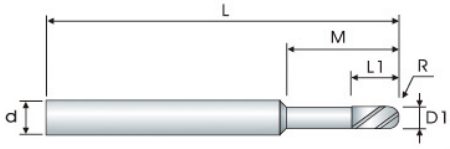
◎ 優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鉻鎳鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎				●		●	●	●

鎢鋼2刃球型立銑刀 - 長頸型

CARBIDE END MILLS - Ball Nose Type 2 Flutes - Long Neck

Super MG | AlTiN COAT | HRC 50 | 30 | 2 Flute | Shank h6



單位(unit):mm

型號 MODE	在庫 Stocket	R角R Ball Radius	直徑 D1 Tool Dia	刃長L1 Flute Length	全長L Overall Length	有效長M Under neck Length	柄徑d Shank Dia.	刃數T No. of Flute
JDB200502A	●	0.25R	0.5	0.75	50	2	4	2
JDB200504A	●	0.25R	0.5	0.75	50	4	4	2
JDB200506A	●	0.25R	0.5	0.75	50	6	4	2
JDB200602A	●	0.3R	0.6	0.9	50	2	4	2
JDB200604A	●	0.3R	0.6	0.9	50	4	4	2
JDB200606A	●	0.3R	0.6	0.9	50	6	4	2
JDB200804A	●	0.4R	0.8	1.2	50	4	4	2
JDB200806A	●	0.4R	0.8	1.2	50	6	4	2
JDB200808A	●	0.4R	0.8	1.2	50	8	4	2
JDB201006A	●	0.5R	1	1.5	50	6	4	2
JDB201008A	●	0.5R	1	1.5	50	8	4	2
JDB201010A	●	0.5R	1	1.5	50	10	4	2
JDB201012A	●	0.5R	1	1.5	50	12	4	2
JDB201206A	●	0.6R	1.2	1.8	50	6	4	2
JDB201208A	●	0.6R	1.2	1.8	50	8	4	2
JDB201210A	●	0.6R	1.2	1.8	50	10	4	2
JDB201212A	●	0.6R	1.2	1.8	50	12	4	2
JDB201406A	●	0.7R	1.4	2.1	50	6	4	2
JDB201410A	●	0.7R	1.4	2.1	50	10	4	2
JDB201416A	●	0.7R	1.4	2.1	50	16	4	2
JDB201506A	●	0.75R	1.5	2.3	50	6	4	2
JDB201508A	●	0.75R	1.5	2.3	50	8	4	2
JDB201510A	●	0.75R	1.5	2.3	50	10	4	2
JDB201512A	●	0.75R	1.5	2.3	50	12	4	2
JDB201514A	●	0.75R	1.5	2.3	50	14	4	2
JDB201516A	●	0.75R	1.5	2.3	50	16	4	2
JDB201518A	●	0.75R	1.5	2.3	50	18	4	2
JDB201520A	●	0.75R	1.5	2.3	50	20	4	2
JDB201606A	●	0.8R	1.6	2.4	50	6	4	2
JDB201608A	●	0.8R	1.6	2.4	50	8	4	2
JDB201610A	●	0.8R	1.6	2.4	50	10	4	2
JDB201612A	●	0.8R	1.6	2.4	50	12	4	2
JDB201614A	●	0.8R	1.6	2.4	50	14	4	2
JDB201616A	●	0.8R	1.6	2.4	50	16	4	2

●印: 標準在庫品.Stocked items

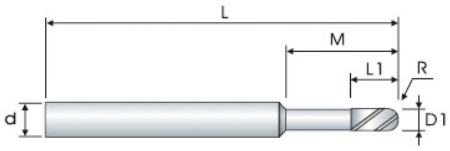
◎ 優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎				●		●	●	●

鎢鋼2刃球型立銑刀 - 長頸型

CARBIDE END MILLS - Ball Nose Type 2 Flutes - Long Neck

Super MG | AlTiN COAT | HRC 50 | 30 | 2 Flute | Shank h6



單位(unit):mm

型號	在庫	R角R	直徑 D1	刃長L1	全長L	有效長M	柄徑d	刃數T
MODE	Stocket	Ball Radius	Tool Dia	Flute Length	Overall Length	Under neck Length	Shank Dia.	No. of Flute
JDB201618A	●	0.8R	1.6	2.4	50	18	4	2
JDB201620A	●	0.8R	1.6	2.4	50	20	4	2
JDB201808A	●	0.9R	1.8	2.7	50	8	4	2
JDB201814A	●	0.9R	1.8	2.7	50	14	4	2
JDB201820A	●	0.9R	1.8	2.7	50	20	4	2
JDB202008A	●	1R	2	3	50	8	4	2
JDB202010A	●	1R	2	3	50	10	4	2
JDB202012A	●	1R	2	3	50	12	4	2
JDB202014A	●	1R	2	3	50	14	4	2
JDB202016A	●	1R	2	3	50	16	4	2
JDB202018A	●	1R	2	3	50	18	4	2
JDB202020A	●	1R	2	3	50	20	4	2
JDB202508A	●	1.25R	2.5	4	50	8	4	2
JDB202512A	●	1.25R	2.5	4	50	12	4	2
JDB202516A	●	1.25R	2.5	4	50	16	4	2
JDB202520A	●	1.25R	2.5	4	50	20	4	2
JDB203010A	●	1.5R	3	4.5	50	10	6	2
JDB203012A	●	1.5R	3	4.5	50	12	6	2
JDB203016A	●	1.5R	3	4.5	60	16	6	2
JDB203020A	●	1.5R	3	4.5	60	20	6	2
JDB203025A	●	1.5R	3	4.5	75	25	6	2
JDB204012A	●	2R	4	6	50	12	6	2
JDB204016A	●	2R	4	6	60	16	6	2
JDB204020A	●	2R	4	6	75	20	6	2
JDB204025A	●	2R	4	6	75	25	6	2
JDB204030A	●	2R	4	6	75	30	6	2

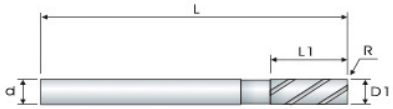
●印: 標準在庫品.Stocked items

◎ 優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎				●		●	●	●

CARBIDE END MILLS - Corner Radius Type 2 Flutes

Super MG | AlTiN COAT | HRC 50 | 35 | 2 Flute | Shank h6



單位(unit):mm

型號 MODE	在庫 Stocket	直徑 D1 Tool Dia	R角 Corner Radius	刃長L1 Flute Length	全長L Overall Length	柄徑d Shank Dia.	刃數T No. of Flute
JCR20300302A	●	3	0.2R	8	50	3	2
JCR20300303A	●	3	0.3R	8	50	3	2
JCR20300305A	●	3	0.5R	8	50	3	2
JCR20300310A	●	3	1R	8	50	3	2
JCR20100402A	●	1	0.2R	3	50	4	2
JCR20100403A	●	1	0.3R	3	50	4	2
JCR20150402A	●	1.5	0.2R	4	50	4	2
JCR20150403A	●	1.5	0.3R	4	50	4	2
JCR20200402A	●	2	0.2R	6	50	4	2
JCR20200403A	●	2	0.3R	6	50	4	2
JCR20200405A	●	2	0.5R	6	50	4	2
JCR20250402A	●	2.5	0.2R	8	50	4	2
JCR20250405A	●	2.5	0.5R	8	50	4	2
JCR20300402A	●	3	0.2R	8	50	4	2
JCR20300403A	●	3	0.3R	8	50	4	2
JCR20300405A	●	3	0.5R	8	50	4	2
JCR20300410A	●	3	1R	8	50	4	2
JCR20400402A	●	4	0.2R	10	50	4	2
JCR20400403A	●	4	0.3R	10	50	4	2
JCR20400405A	●	4	0.5R	10	50	4	2
JCR20400410A	●	4	1R	10	50	4	2
JCR20400415A	●	4	1.5R	10	50	4	2
JCR20500602A	●	5	0.2R	13	50	6	2
JCR20500603A	●	5	0.3R	13	50	6	2
JCR20500605A	●	5	0.5R	13	50	6	2
JCR20500610A	●	5	1R	13	50	6	2

●印: 標準在庫品.Stocked items

◎優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎				●		●	●	●

CARBIDE END MILLS - Corner Radius Type 2 Flutes

Super MG | AlTiN COAT | HRC 50 | 35 | 2 Flute | Shank h6

單位(unit):mm

型號	在庫	直徑 D1	R角	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Corner Radius	Flute Length	Overall Length	Shank Dia.	No. of Flute
JCR20600602A	●	6	0.2R	15	50	6	2
JCR20600603A	●	6	0.3R	15	50	6	2
JCR20600605A	●	6	0.5R	15	50	6	2
JCR20600610A	●	6	1R	15	50	6	2
JCR20600615A	●	6	1.5R	15	50	6	2
JCR20600620A	●	6	2R	15	50	6	2
JCR20800803A	●	8	0.3R	20	60	8	2
JCR20800805A	●	8	0.5R	20	60	8	2
JCR20800810A	●	8	1R	20	60	8	2
JCR20800815A	●	8	1.5R	20	60	8	2
JCR20800820A	●	8	2R	20	60	8	2
JCR20800825A	●	8	2.5R	20	60	8	2
JCR20800830A	●	8	3R	20	60	8	2
JCR21001003A	●	10	0.3R	25	75	10	2
JCR21001005A	●	10	0.5R	25	75	10	2
JCR21001010A	●	10	1R	25	75	10	2
JCR21001015A	●	10	1.5R	25	75	10	2
JCR21001020A	●	10	2R	25	75	10	2
JCR21001025A	●	10	2.5R	25	75	10	2
JCR21001030A	●	10	3R	25	75	10	2
JCR21201203A	●	12	0.3R	30	75	12	2
JCR21201205A	●	12	0.5R	30	75	12	2
JCR21201210A	●	12	1R	30	75	12	2
JCR21201215A	●	12	1.5R	30	75	12	2
JCR21201220A	●	12	2R	30	75	12	2
JCR21201225A	●	12	2.5R	30	75	12	2
JCR21201230A	●	12	3R	30	75	12	2

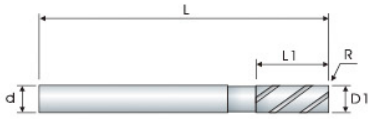
●印: 標準在庫品.Stocked items

◎優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎				●		●	●	●

CARBIDE END MILLS - Corner Radius Type 4 Flutes

Super MG | AlTiN COAT | HRC 50 | 35° | 4 Flute | Shank h6



單位(unit):mm

型號 MODE	在庫 Stocket	直徑 D1 Tool Dia	R角 Corner Radius	刃長L1 Flute Length	全長L Overall Length	柄徑d Shank Dia.	刃數T No. of Flute
JCR40300302A	●	3	0.2R	8	50	3	4
JCR40300303A	●	3	0.3R	8	50	3	4
JCR40300305A	●	3	0.5R	8	50	3	4
JCR40300310A	●	3	1R	8	50	3	4
JCR40100402A	●	1	0.2R	3	50	4	4
JCR40100403A	●	1	0.3R	3	50	4	4
JCR40150402A	●	1.5	0.2R	4	50	4	4
JCR40150403A	●	1.5	0.3R	4	50	4	4
JCR40200402A	●	2	0.2R	6	50	4	4
JCR40200403A	●	2	0.3R	6	50	4	4
JCR40200405A	●	2	0.5R	6	50	4	4
JCR40250402A	●	2.5	0.2R	8	50	4	4
JCR40250405A	●	2.5	0.5R	8	50	4	4
JCR40300402A	●	3	0.2R	8	50	4	4
JCR40300403A	●	3	0.3R	8	50	4	4
JCR40300405A	●	3	0.5R	8	50	4	4
JCR40300410A	●	3	1R	8	50	4	4
JCR40400402A	●	4	0.2R	10	50	4	4
JCR40400403A	●	4	0.3R	10	50	4	4
JCR40400405A	●	4	0.5R	10	50	4	4
JCR40400410A	●	4	1R	10	50	4	4
JCR40400415A	●	4	1.5R	10	50	4	4
JCR40500602A	●	5	0.2R	13	50	6	4
JCR40500603A	●	5	0.3R	13	50	6	4
JCR40500605A	●	5	0.5R	13	50	6	4
JCR40500610A	●	5	1R	13	50	6	4

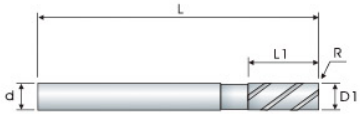
●印: 標準在庫品.Stocked items

◎優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎				●		●	●	●

CARBIDE END MILLS - Corner Radius Type 4 Flutes

Super MG | AlTiN COAT | HRC 50 | 35 | 4 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	R角	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Corner Radius	Flute Length	Overall Length	Shank Dia.	No. of Flute
JCR40600602A	●	6	0.2R	15	50	6	4
JCR40600603A	●	6	0.3R	15	50	6	4
JCR40600605A	●	6	0.5R	15	50	6	4
JCR40600610A	●	6	1R	15	50	6	4
JCR40600615A	●	6	1.5R	15	50	6	4
JCR40600620A	●	6	2R	15	50	6	4
JCR40800803A	●	8	0.3R	20	60	8	4
JCR40800805A	●	8	0.5R	20	60	8	4
JCR40800810A	●	8	1R	20	60	8	4
JCR40800815A	●	8	1.5R	20	60	8	4
JCR40800820A	●	8	2R	20	60	8	4
JCR40800825A	●	8	2.5R	20	60	8	4
JCR40800830A	●	8	3R	20	60	8	4
JCR41001003A	●	10	0.3R	25	75	10	4
JCR41001005A	●	10	0.5R	25	75	10	4
JCR41001010A	●	10	1R	25	75	10	4
JCR41001015A	●	10	1.5R	25	75	10	4
JCR41001020A	●	10	2R	25	75	10	4
JCR41001025A	●	10	2.5R	25	75	10	4
JCR41001030A	●	10	3R	25	75	10	4
JCR41201203A	●	12	0.3R	30	75	12	4
JCR41201205A	●	12	0.5R	30	75	12	4
JCR41201210A	●	12	1R	30	75	12	4
JCR41201215A	●	12	1.5R	30	75	12	4
JCR41201220A	●	12	2R	30	75	12	4
JCR41201225A	●	12	2.5R	30	75	12	4
JCR41201230A	●	12	3R	30	75	12	4

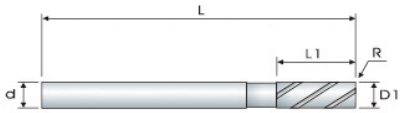
●印: 標準在庫品.Stocked items

◎優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎				●		●	●	●

CARBIDE END MILLS - Corner Radius Type 2 Flutes - Long Shank

Super MG | AlTiN COAT | HRC 50 | 35° | 2 Flute | Shank h6



單位(unit):mm

型號 MODE	在庫 Stocket	直徑 D1 Tool Dia	R角 Corner Radius	刃長L1 Flute Length	全長L Overall Length	柄徑d Shank Dia.	刃數T No. of Flute
JCRL20300303A-75	●	3	0.3R	8	75	3	2
JCRL20300305A-75	●	3	0.5R	8	75	3	2
JCRL20300310A-75	●	3	1R	8	75	3	2
JCRL20400403A-75	●	4	0.3R	10	75	4	2
JCRL20400405A-75	●	4	0.5R	10	75	4	2
JCRL20400410A-75	●	4	1R	10	75	4	2
JCRL20400415A-75	●	4	1.5R	10	75	4	2
JCRL20400403A-100	□	4	0.3R	10	100	4	2
JCRL20400405A-100	□	4	0.5R	10	100	4	2
JCRL20400410A-100	□	4	1R	10	100	4	2
JCRL20400415A-100	□	4	1.5R	10	100	4	2
JCRL20600603A-75	●	6	0.3R	15	75	6	2
JCRL20600605A-75	●	6	0.5R	15	75	6	2
JCRL20600610A-75	●	6	1R	15	75	6	2
JCRL20600615A-75	●	6	1.5R	15	75	6	2
JCRL20600620A-75	●	6	2R	15	75	6	2
JCRL20600603A-100	□	6	0.3R	15	100	6	2
JCRL20600605A-100	□	6	0.5R	15	100	6	2
JCRL20600610A-100	□	6	1R	15	100	6	2
JCRL20600615A-100	□	6	1.5R	15	100	6	2
JCRL20600620A-100	□	6	2R	15	100	6	2
JCRL20800803A-75	●	8	0.3R	20	75	8	2
JCRL20800805A-75	●	8	0.5R	20	75	8	2
JCRL20800810A-75	●	8	1R	20	75	8	2
JCRL20800815A-75	●	8	1.5R	20	75	8	2
JCRL20800820A-75	●	8	2R	20	75	8	2
JCRL20800825A-75	●	8	2.5R	20	75	8	2
JCRL20800830A-75	●	8	3R	20	75	8	2
JCRL20800803A-100	□	8	0.3R	20	100	8	2
JCRL20800805A-100	□	8	0.5R	20	100	8	2

●印: 標準在庫品.Stocked items　　□印: 無在庫品，訂製生產品

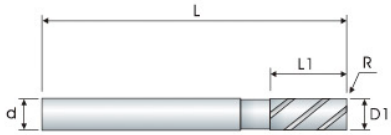
◎優 Excellent　● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎				●		●	●	●

鎢鋼 2刃圓鼻長柄銑刀

CARBIDE END MILLS - Corner Radius Type 2 Flutes - Long Shank

Super MG | AlTiN COAT | HRC 50 | 35° | 2 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	R角	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Corner Radius	Flute Length	Overall Length	Shank Dia.	No. of Flute
JCRL20800810A-100	□	8	1R	20	100	8	2
JCRL20800815A-100	□	8	1.5R	20	100	8	2
JCRL20800820A-100	□	8	2R	20	100	8	2
JCRL20800825A-100	□	8	2.5R	20	100	8	2
JCRL20800830A-100	□	8	3R	20	100	8	2
JCRL21001003A-100	●	10	0.3R	25	100	10	2
JCRL21001005A-100	●	10	0.5R	25	100	10	2
JCRL21001010A-100	●	10	1R	25	100	10	2
JCRL21001015A-100	●	10	1.5R	25	100	10	2
JCRL21001020A-100	●	10	2R	25	100	10	2
JCRL21001025A-100	●	10	2.5R	25	100	10	2
JCRL21001030A-100	●	10	3R	25	100	10	2
JCRL21201203A-100	●	12	0.3R	30	100	12	2
JCRL21201205A-100	●	12	0.5R	30	100	12	2
JCRL21201210A-100	●	12	1R	30	100	12	2
JCRL21201215A-100	●	12	1.5R	30	100	12	2
JCRL21201220A-100	●	12	2R	30	100	12	2
JCRL21201225A-100	●	12	2.5R	30	100	12	2
JCRL21201230A-100	●	12	3R	30	100	12	2

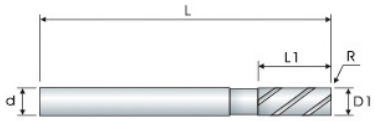
●印: 標準在庫品.Stocked items　　□印: 無在庫品，訂製生產品

◉ 優 Excellent　● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◉	◉	◉				●		●	●	●

CARBIDE END MILLS - Corner Radius Type 4 Flutes - Long Shank

Super MG | AlTiN COAT | HRC 50 | 35° | 4 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	R角	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Corner Radius	Flute Length	Overall Length	Shank Dia.	No. of Flute
JCRL40300303A-75	●	3	0.3R	8	75	3	4
JCRL40300305A-75	●	3	0.5R	8	75	3	4
JCRL40300310A-75	●	3	1R	8	75	3	4
JCRL40400403A-75	●	4	0.3R	10	75	4	4
JCRL40400405A-75	●	4	0.5R	10	75	4	4
JCRL40400410A-75	●	4	1R	10	75	4	4
JCRL40400415A-75	●	4	1.5R	10	75	4	4
JCRL40400403A-100	□	4	0.3R	10	100	4	4
JCRL40400405A-100	□	4	0.5R	10	100	4	4
JCRL40400410A-100	□	4	1R	10	100	4	4
JCRL40400415A-100	□	4	1.5R	10	100	4	4
JCRL40600603A-75	●	6	0.3R	15	75	6	4
JCRL40600605A-75	●	6	0.5R	15	75	6	4
JCRL40600610A-75	●	6	1R	15	75	6	4
JCRL40600615A-75	●	6	1.5R	15	75	6	4
JCRL40600620A-75	●	6	2R	15	75	6	4
JCRL40600603A-100	□	6	0.3R	15	100	6	4
JCRL40600605A-100	□	6	0.5R	15	100	6	4
JCRL40600610A-100	□	6	1R	15	100	6	4
JCRL40600615A-100	□	6	1.5R	15	100	6	4
JCRL40600620A-100	□	6	2R	15	100	6	4
JCRL40800803A-75	●	8	0.3R	20	75	8	4
JCRL40800805A-75	●	8	0.5R	20	75	8	4
JCRL40800810A-75	●	8	1R	20	75	8	4
JCRL40800815A-75	●	8	1.5R	20	75	8	4

●印: 標準在庫品.Stocked items　　□印: 無在庫品，訂製生產品

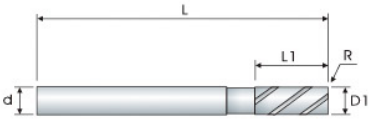
◎優 Excellent　● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎				●		●	●	●

鎢鋼 4 刃圓鼻長柄銑刀

CARBIDE END MILLS - Corner Radius Type 4 Flutes - Long Shank

Super MG | AlTiN COAT | HRC 50 | 35° | 4 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	R角	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Corner Radius	Flute Length	Overall Length	Shank Dia.	No. of Flute
JCRL40800820A-75	●	8	2R	20	75	8	4
JCRL40800825A-75	●	8	2.5R	20	75	8	4
JCRL40800830A-75	●	8	3R	20	75	8	4
JCRL40800803A-100	□	8	0.3R	20	100	8	4
JCRL40800805A-100	□	8	0.5R	20	100	8	4
JCRL40800810A-100	□	8	1R	20	100	8	4
JCRL40800815A-100	□	8	1.5R	20	100	8	4
JCRL40800820A-100	□	8	2R	20	100	8	4
JCRL40800825A-100	□	8	2.5R	20	100	8	4
JCRL40800830A-100	□	8	3R	20	100	8	4
JCRL41001003A-100	●	10	0.3R	25	100	10	4
JCRL41001005A-100	●	10	0.5R	25	100	10	4
JCRL41001010A-100	●	10	1R	25	100	10	4
JCRL41001015A-100	●	10	1.5R	25	100	10	4
JCRL41001020A-100	●	10	2R	25	100	10	4
JCRL41001025A-100	●	10	2.5R	25	100	10	4
JCRL41001030A-100	●	10	3R	25	100	10	4
JCRL41201203A-100	●	12	0.3R	30	100	12	4
JCRL41201205A-100	●	12	0.5R	30	100	12	4
JCRL41201210A-100	●	12	1R	30	100	12	4
JCRL41201215A-100	●	12	1.5R	30	100	12	4
JCRL41201220A-100	●	12	2R	30	100	12	4
JCRL41201225A-100	●	12	2.5R	30	100	12	4
JCRL41201230A-100	●	12	3R	30	100	12	4

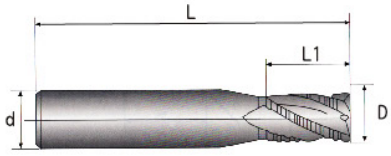
●印: 標準在庫品.Stocked items　　□印: 無在庫品，訂製生產品

◎優 Excellent　● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎				●		●	●	●

FINE PICTCH ROUGHING END MILL

Super MG | AlTiN COAT | HRC 50 | 40% | 3 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
JGF304006A	□	4	8	50	6	3
JGF305006A	□	5	13	50	6	3
JGF306006A	□	6	16	50	6	3
JGF307008A	□	7	16	60	8	3
JGF308008A	□	8	19	60	8	3
JGF309010A	□	9	25	75	10	3
JGF310010A	□	10	25	75	10	3
JGF311012A	□	11	30	75	12	3
JGF312012A	□	12	30	75	12	3
JGF316016A	□	16	35	100	16	3
JGF320020A	□	20	45	100	20	3

□印: 無在庫品，訂製生產品

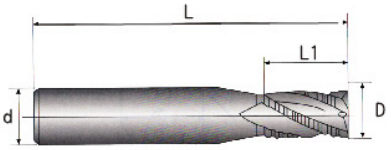
◎優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
●	●	●				●		●		

粗精銑刀

FINE PICTCH ROUGHING END MILL

Super MG | AlTiN COAT | HRC 50 | 40 | 4 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
JGF405006A	□	5	13	50	6	4
JGF406006A	□	6	16	50	6	4
JGF407008A	□	7	16	60	8	4
JGF408008A	□	8	19	60	8	4
JGF409010A	□	9	25	75	10	4
JGF410010A	□	10	25	75	10	4
JGF411012A	□	11	30	75	12	4
JGF412012A	□	12	30	75	12	4
JGF416016A	□	16	35	100	16	4
JGF420020A	□	20	45	100	20	4

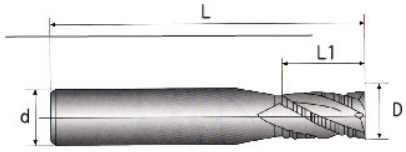
□印: 無在庫品，訂製生產品

◎優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
●	●	●				●		●		

ROUGHING CUTTER

Super MG | AlTiN COAT | HRC 50 | 25 | 3 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
JGR304006A	□	4	8	50	6	3
JGR305006A	□	5	13	50	6	3
JGR306006A	□	6	16	50	6	3
JGR307008A	□	7	16	60	8	3
JGR308008A	□	8	19	60	8	3
JGR309010A	□	9	25	75	10	3
JGR310010A	□	10	25	75	10	3
JGR311012A	□	11	30	75	12	3
JGR312012A	□	12	30	75	12	3
JGR316016A	□	16	35	100	16	3
JGR320020A	□	20	45	100	20	3

□印: 無在庫品，在訂製生產品

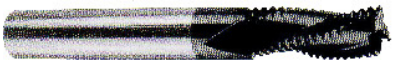
◎優 Excellent ● 可 Good

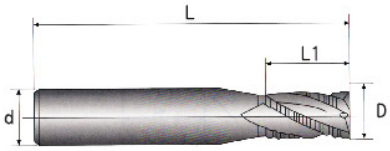
碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
●	●	●				●		●		

粗銑刀

ROUGHING CUTTER

Super MG | AlTiN COAT | HRC 50 | 25 | 4 Flute | Shank h6





單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
JGR405006A	□	5	13	50	6	4
JGR406006A	□	6	16	50	6	4
JGR407008A	□	7	16	60	8	4
JGR408008A	□	8	19	60	8	4
JGR409010A	□	9	25	75	10	4
JGR410010A	□	10	25	75	10	4
JGR411012A	□	11	30	75	12	4
JGR412012A	□	12	30	75	12	4
JGR416016A	□	16	35	100	16	4
JGR420020A	□	20	45	100	20	4

□印: 無在庫品，在訂製生產品

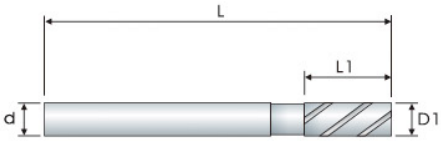
◎優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
●	●	●				●		●		

鋁用鎢鋼銑刀2刃45°

CARBIDE END MILLS - Square Type 2 Flutes- for Aluminum

Super MG | 45 | 2 Flute | Shank h6



單位(unit):mm

型號 MODE	在庫 Stocket	直徑 D1 Tool Dia	刃長L1 Flute Length	全長L Overall Length	柄徑d Shank Dia.	刃數T No. of Flute
JAE203004	□	3	9	50	4	2
JAE204004	□	4	12	50	4	2
JAE202006	□	2	6	50	6	2
JAE203006	●	3	9	50	6	2
JAE204006	●	4	12	50	6	2
JAE205006	●	5	15	50	6	2
JAE206006	●	6	18	50	6	2
JAE208008	●	8	20	60	8	2
JAE210010	●	10	30	75	10	2
JAE212012	●	12	32	75	12	2
JAE216016	●	16	45	100	16	2
JAE220020	●	20	45	100	20	2

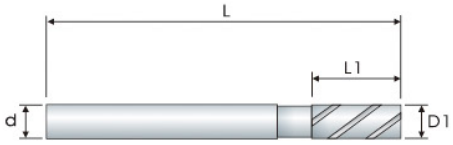
●印: 標準在庫品.Stocked items　　□印: 無在庫品，印製生產品

◎優 Excellent　● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鉻鎳鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
					●		◎			

CARBIDE END MILLS - Square Type 2 Flutes- for Aluminum Shank

Super MG | 45 | 2 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
JAEL203006	●	3	12	60	6	2
JAEL204006	●	4	16	60	6	2
JAEL205006	●	5	20	60	6	2
JAEL206006	●	6	25	75	6	2
JAEL208008	●	8	32	75	8	2
JAEL210010	●	10	45	100	10	2
JAEL212012	●	12	45	100	12	2
JAEL216016	●	16	65	150	16	2
JAEL220020	●	20	75	150	20	2

●印: 標準在庫品.Stocked items　　□印: 無在庫品，印製生產品

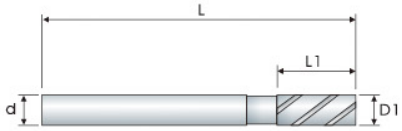
◎優 Excellent　● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鉻鎳鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
					●		◎			

鋁用鎢鋼銑刀(3刃 45°)

CARBIDE END MILLS - Square Type 3 Flutes- for Aluminum

Super MG | 45 | 3 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
JAE303004	□	3	9	50	4	3
JAE304004	□	4	12	50	4	3
JAE302006	□	2	6	50	6	3
JAE303006	●	3	9	50	6	3
JAE304006	●	4	12	50	6	3
JAE305006	●	5	15	50	6	3
JAE306006	●	6	18	50	6	3
JAE308008	●	8	20	60	8	3
JAE310010	●	10	30	75	10	3
JAE312012	●	12	32	75	12	3
JAE316016	●	16	45	100	16	3
JAE320020	●	20	45	100	20	3

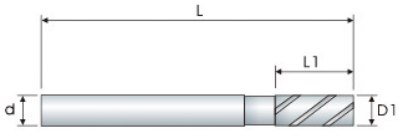
●印: 標準在庫品.Stocked items　　□印: 無在庫品，訂製生產品

◎優 Excellent　● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
					●		●			

CARBIDE END MILLS - Square Type 3 Flutes- for Aluminum

Super MG | 45 | 3 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
JAEL303006	●	3	12	60	6	3
JAEL304006	●	4	16	60	6	3
JAEL305006	●	5	20	60	6	3
JAEL306006	●	6	25	75	6	3
JAEL308008	●	8	32	75	8	3
JAEL310010	●	10	45	100	10	3
JAEL312012	●	12	45	100	12	3
JAEL316016	●	16	65	150	16	3
JAEL320020	●	20	75	150	20	3

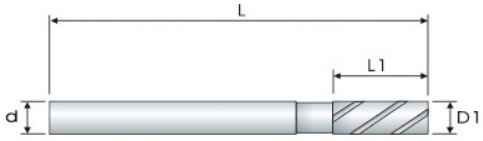
●印: 標準在庫品.Stocked items

◎優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
					●		●			

CARBIDE END MILLS Square Type 6 Flutes(8Flutes)

Micor MG | TixSiN | HRC 60 | 46° | 6 Flute | 8 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
AHD606006H	●	6	15	60	6	6
AHD608008H	●	8	20	60	8	6
AHD610010H	●	10	25	75	10	6
AHD612012H	●	12	30	75	12	6
AHD616016H	●	16	45	100	16	6
AHD620020H	●	20	45	100	20	6
AHD825025H	●	25	45	100	25	8

●印: 標準在庫品.Stocked items

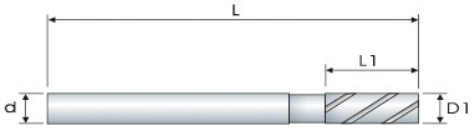
◎優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鉻鎳鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎	◎	◎				●	●	●

高硬度6刃(8刃)長刃鎢鋼銑刀

CARBIDE END MILLS - Square Type 6 Flutes (8Flutes)- Long Shank

Micor MG | TixSiN | HRC 60 | 46° | 6 Flute | 8 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
AHDLL606006H	●	6	25	75	6	6
AHDLL608008H	●	8	35	100	8	6
AHDLL610010H	●	10	45	100	10	6
AHDLL612012H	●	12	50	100	12	6
AHDLL616016H	●	16	65	150	16	6
AHDLL620020H	●	20	75	150	20	6
AHDLL825025H	●	25	80	150	25	8

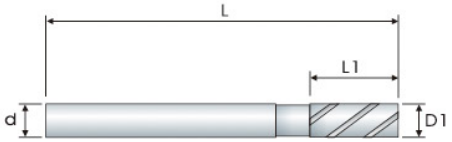
●印: 標準在庫品.Stocked items　　□印: 無在庫品

◎優 Excellent　● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鉻鎳鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎	◎	◎				●	●	●

CARBIDE END MILLS - Square Type 2 Flutes

Micor MG | TixSiN | HRC 55 | 35° | 2 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
ACS201004H	●	1	2.5	50	4	2
ACS201504H	●	1.5	3	50	4	2
ACS200204H	●	2	5	50	4	2
ACS202504H	●	2.5	6	50	4	2
ACS203004H	●	3	6	50	4	2
ACS203504H	●	3.5	8	50	4	2
ACS204004H	●	4	9	50	4	2
ACS203006H	●	3	6	50	6	2
ACS204006H	●	4	9	50	6	2
ACS205006H	●	5	12	50	6	2
ACS206006H	●	6	13	50	6	2
ACS206508H	●	6.5	20	60	8	2
ACS207008H	●	7	20	60	8	2
ACS207508H	●	7.5	20	60	8	2
ACS208008H	●	8	20	60	8	2
ACS208510H	●	8.5	25	75	10	2
ACS209010H	●	9	25	75	10	2
ACS209510H	●	9.5	25	75	10	2
ACS210010H	●	10	25	75	10	2
ACS210512H	●	10.5	30	75	12	2
ACS211012H	●	11	30	75	12	2
ACS211512H	●	11.5	30	75	12	2
ACS212012H	●	12	30	75	12	2
ACS214016H	●	14	30	100	16	2
ACS215016H	●	15	30	100	16	2
ACS216016H	●	16	40	100	16	2
ACS220020H	●	20	45	100	20	2
ACS225025H	●	25	45	100	25	2

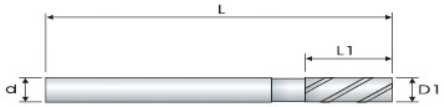
●印: 標準在庫品.Stocked items

◎優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鉻鎳鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎	◎	◎				●	●	●

CARBIDE END MILLS - Square Type 4 Flutes

Super MG | TixSiN | HRC 55 | 35° | 4 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
ACS401004H	●	1	2.5	50	4	4
ACS401504H	●	1.5	3	50	4	4
ACS402004H	●	2	5	50	4	4
ACS402504H	●	2.5	6	50	4	4
ACS403004H	●	3	6	50	4	4
ACS403504H	●	3.5	8	50	4	4
ACS404004H	●	4	9	50	4	4
ACS401506H	●	1.5	3	50	6	4
ACS403006H	●	3	6	50	6	4
ACS404006H	●	4	9	50	6	4
ACS405006H	●	5	12	50	6	4
ACS406006H	●	6	13	50	6	4
ACS406508H	●	6.5	20	60	8	4
ACS407008H	●	7	20	60	8	4
ACS407508H	●	7.5	20	60	8	4
ACS408008H	●	8	20	60	8	4
ACS408510H	●	8.5	25	75	10	4
ACS409010H	●	9	25	75	10	4
ACS409510H	●	9.5	25	75	10	4
ACS410010H	●	10	25	75	10	4
ACS410512H	●	10.5	30	75	12	4
ACS411012H	●	11	30	75	12	4
ACS411512H	●	11.5	30	75	12	4
ACS412012H	●	12	30	75	12	4
ACS414016H	●	14	30	100	16	4
ACS415016H	●	15	30	100	16	4
ACS416016H	●	16	40	100	16	4
ACS420020H	●	20	45	100	20	4
ACS425025H	●	25	45	100	25	4

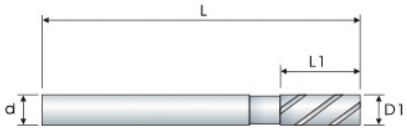
●印: 標準在庫品.Stocked items

◎優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鉻鎳鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎	◎	◎				●	●	●

CARBIDE END MILLS - Square Type 2 Flutes - Long Shank

Micro MG | TixSiN | HRC 55 | 35° | 2 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
ACSL203003075H	□	3	6	75	3	2
ACSL201004075H	□	1	2.5	75	4	2
ACSL201504075H	□	1.5	3	75	4	2
ACSL202004075H	□	2	5	75	4	2
ACSL203004075H	□	3	6	75	4	2
ACSL204004075H	□	4	9	75	4	2
ACSL204004100H	□	4	9	100	4	2
ACSL203006075H	□	3	6	75	6	2
ACSL204006075H	□	4	9	75	6	2
ACSL204006100H	□	4	9	100	6	2
ACSL205006075H	□	5	12	75	6	2
ACSL205006100H	□	5	12	100	6	2
ACSL206006075H	□	6	13	75	6	2
ACSL206006100H	□	6	13	100	6	2
ACSL208008075H	□	8	20	75	8	2
ACSL208008100H	□	8	20	100	8	2
ACSL210010100H	□	10	25	100	10	2
ACSL210010150H	□	10	25	150	10	2
ACSL212012100H	□	12	30	100	12	2
ACSL212012150H	□	12	30	150	12	2
ACSL216016150H	□	16	40	150	16	2
ACSL220020150H	□	20	45	150	20	2

□印: 無在庫品，訂製生產品

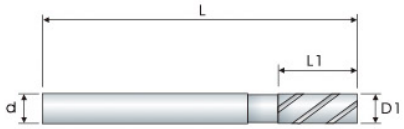
⊙ 優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
⊙	⊙	⊙	⊙					●	●	●

高硬度2刃長刃鎢鋼銑刀

CARBIDE END MILLS - Square Type 2 Flutes - Long Shank & Long Cutting Length

Micro MG | TixSiN | HRC 55 | 35° | 2 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D	刃長L	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
ACSLL201004H	□	1	4	50	4	2
ACSLL201504H	□	1.5	6	50	4	2
ACSLL202004H	□	2	8	50	4	2
ACSLL203006H	□	3	11	60	6	2
ACSLL204006H	□	4	14	60	6	2
ACSLL204506H	□	4.5	16	60	6	2
ACSLL205006H	□	5	18	60	6	2
ACSLL205506H	□	5.5	20	60	6	2
ACSLL206006H	□	6	25	75	6	2
ACSLL206508H	□	6.5	25	75	8	2
ACSLL207008H	□	7	25	75	8	2
ACSLL207508H	□	7.5	25	75	8	2
ACSLL208008H	□	8	35	100	8	2
ACSLL208510H	□	8.5	35	100	10	2
ACSLL209010H	□	9	35	100	10	2
ACSLL210010H	□	10	40	100	10	2
ACSLL210512H	□	10.5	40	100	12	2
ACSLL211012H	□	11	40	100	12	2
ACSLL211512H	□	11.5	45	100	12	2
ACSLL212012H	□	12	45	100	12	2
ACSLL214016H	□	14	45	100	16	2
ACSLL215016H	□	15	45	100	16	2
ACSLL216016H	□	16	45	100	16	2

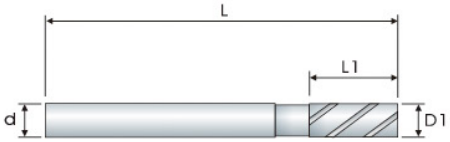
□印: 無在庫品，訂製生產品

⊙ 優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鉻鎳鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
⊙	⊙	⊙	⊙					●	●	●

CARBIDE END MILLS - Square Type 4 Flutes - Long Shank

Micro MG | TixSiN | HRC 55 | 35° | 4 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
ACSL403003075H	□	3	6	75	3	4
ACSL401004075H	□	1	2.5	75	4	4
ACSL401504075H	□	1.5	3	75	4	4
ACSL402004075H	□	2	5	75	4	4
ACSL403004075H	□	3	6	75	4	4
ACSL404004075H	□	4	9	75	4	4
ACSL404004100H	□	4	9	100	4	4
ACSL403006075H	□	3	6	75	6	4
ACSL404006075H	□	4	9	75	6	4
ACSL404006100H	□	4	9	100	6	4
ACSL405006075H	□	5	12	75	6	4
ACSL405006100H	□	5	12	100	6	4
ACSL406006075H	□	6	13	75	6	4
ACSL406006100H	□	6	13	100	6	4
ACSL408008075H	□	8	20	75	8	4
ACSL408008100H	□	8	20	100	8	4
ACSL410010100H	□	10	25	100	10	4
ACSL410010150H	□	10	25	150	10	4
ACSL412012100H	□	12	30	100	12	4
ACSL412012150H	□	12	30	150	12	4
ACSL416016150H	□	16	45	150	16	4
ACSL420020150H	□	20	45	150	20	4

□印: 無在庫品，訂製生產品

◎優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鉻鎳鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎	◎					●	●	●

高硬度4刃長刃長柄鎢鋼銑刀

CARBIDE END MILLS - Square Type 4 Flutes - Long Shank Long Cutting Length

Micro MG | TixSiN | HRC 55 | 35° | 4 Flute | Shank h6

單位(unit):mm

型號	在庫	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
ACSLL401004H	□	1	4	50	4	4
ACSLL401504H	□	1.5	6	50	4	4
ACSLL402004H	□	2	8	50	4	4
ACSLL403006H	□	3	12	60	6	4
ACSLL404006H	□	4	16	60	6	4
ACSLL405006H	□	5	20	75	6	4
ACSLL406006H	□	6	25	75	6	4
ACSLL407008H	□	7	30	75	8	4
ACSLL408008H	□	8	30	75	8	4
ACSLL410010H	□	10	40	100	10	4
ACSLL412012H	□	12	45	100	12	4
ACSLL414016H	□	14	45	100	16	4
ACSLL416016H	□	16	65	150	16	4
ACSLL420020H	□	20	75	150	20	4
ACSLL425025H	□	25	80	150	25	4

□印: 無在庫品，訂製生產品

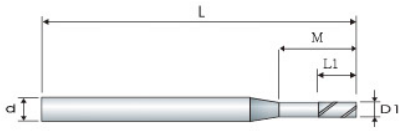
◉ 優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鉻鎳鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◉	◉	◉	◉					●	●	●

高硬度2刃鎢鋼銑刀-長頸型

CARBIDE END MILLS - Square Type 2 Flutes - Long Neck

Micro MG | TixSiN | HRC 55 | 35° | 2 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	刃長L1	有效長M	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Flute Length	Under neck Length	Overall Length	Shank Dia.	No. of Flute
ADS200502H	□	0.5	0.75	2	50	4	2
ADS200504H	□	0.5	0.75	4	50	4	2
ADS200506H	□	0.5	0.75	6	50	4	2
ADS200602H	□	0.6	0.9	2	50	4	2
ADS200604H	□	0.6	0.9	4	50	4	2
ADS200606H	□	0.6	0.9	6	50	4	2
ADS200704H	□	0.7	1.1	4	50	4	2
ADS200706H	□	0.7	1.1	6	50	4	2
ADS200804H	□	0.8	1.2	4	50	4	2
ADS200806H	□	0.8	1.2	6	50	4	2
ADS200808H	□	0.8	1.2	8	50	4	2
ADS200906H	□	0.9	1.4	6	50	4	2
ADS200908H	□	0.9	1.4	8	50	4	2
ADS200910H	□	0.9	1.4	10	50	4	2
ADS201006H	□	1	1.5	6	50	4	2
ADS201008H	□	1	1.5	8	50	4	2
ADS201010H	□	1	1.5	10	50	4	2
ADS201012H	□	1	1.5	12	50	4	2
ADS201016H	□	1	1.5	16	50	4	2
ADS201506H	□	1.5	2.3	6	50	4	2
ADS201508H	□	1.5	2.3	8	50	4	2
ADS201510H	□	1.5	2.3	10	50	4	2
ADS201512H	□	1.5	2.3	12	50	4	2
ADS201514H	□	1.5	2.3	14	50	4	2
ADS201516H	□	1.5	2.3	16	50	4	2
ADS201518H	□	1.5	2.3	18	50	4	2
ADS201520H	□	1.5	2.3	20	50	4	2
ADS202006H	□	2	3	6	50	4	2
ADS202008H	□	2	3	8	50	4	2
ADS202010H	□	2	3	10	50	4	2
ADS202012H	□	2	3	12	50	4	2
ADS202014H	□	2	3	14	50	4	2

□印: 無在庫品，訂製生產品

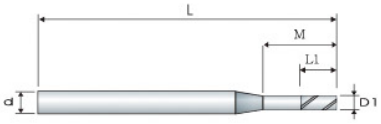
◉ 優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鉻鎳鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◉	◉	◉	◉					●	●	●

高硬度2刃鎢鋼銑刀-長頸型

CARBIDE END MILLS - Square Type 2 Flutes - Long Neck

Micro MG | TixSiN | HRC 55 | 35° | 2 Flute | Shank h6



單位(unit):mm

型號 MODE	在庫 Stocket	直徑 D1 Tool Dia	刃長L1 Flute Length	有效長M Under neck Length	全長L Overall Length	柄徑d Shank Dia.	刃數T No. of Flute
ADS202016H	□	2	3	16	50	4	2
ADS202018H	□	2	3	18	50	4	2
ADS202020H	□	2	3	20	50	4	2
ADS202508H	□	2.5	4	8	50	4	2
ADS202510H	□	2.5	4	10	50	4	2
ADS202512H	□	2.5	4	12	50	4	2
ADS202514H	□	2.5	4	14	50	4	2
ADS202516H	□	2.5	4	16	50	4	2
ADS202520H	□	2.5	4	20	50	4	2
ADS203008H	□	3	4.5	8	50	6	2
ADS203010H	□	3	4.5	10	50	6	2
ADS203012H	□	3	4.5	12	50	6	2
ADS203016H	□	3	4.5	16	60	6	2
ADS203020H	□	3	4.5	20	60	6	2
ADS203025H	□	3	4.5	25	75	6	2
ADS204012H	□	4	6	12	50	6	2
ADS204016H	□	4	6	16	60	6	2
ADS204020H	□	4	6	20	75	6	2
ADS204025H	□	4	6	25	75	6	2
ADS204030H	□	4	6	30	75	6	2
ADS204035H	□	4	6	35	75	6	2

□印: 無在庫品，訂製生產品

◉ 優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鉻鎳鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◉	◉	◉	◉					●	●	●

高硬度2刃鎢鋼球型銑刀-微小徑

CARBIDE END MILLS - Ball Nose Type 2 Hutes-Miniature

Micro MG | TixSiN | HRC 55 | 30° | 2 Flute | Shank h6

單位(unit):mm

型號	在庫	球頭R	直徑 D	刃長L	全長L	柄徑d	刃數T
MODE	Stocket	Ball Radius	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
ABS200303H	□	0.15R	0.3	0.6	38	3	2
ABS200403H	□	0.2R	0.4	0.8	38	3	2
ABS200503H	□	0.25R	0.5	1	38	3	2
ABS200603H	□	0.3R	0.6	1.2	38	3	2
ABS200703H	□	0.35R	0.7	1.4	38	3	2
ABS200803H	□	0.4R	0.8	1.6	38	3	2
ABS201003H	□	0.5R	1.0	2	38	3	2
ABS201203H	□	0.6R	1.2	2.4	38	3	2
ABS201403H	□	0.7R	1.4	2.8	38	3	2
ABS201503H	□	0.75R	1.5	2.5	38	3	2
ABS201603H	□	0.8R	1.6	3.2	38	3	2
ABS201803H	□	0.9R	1.8	3.6	38	3	2
ABS202003H	□	1.0R	2.0	3	38	3	2
ABS202203H	□	1.1R	2.2	4.4	38	3	2
ABS202403H	□	1.2R	2.4	4.8	38	3	2
ABS202503H	□	1.25R	2.5	4	38	3	2
ABS203003H	□	1.5R	3.0	5	50	3	2
ABS200304H	●	0.15R	0.3	0.6	50	4	2
ABS200404H	●	0.2R	0.4	0.8	50	4	2
ABS200504H	●	0.25R	0.5	1	50	4	2
ABS200604H	●	0.3R	0.6	1.2	50	4	2
ABS200704H	●	0.35R	0.7	1.4	50	4	2
ABS200804H	●	0.4R	0.8	1.6	50	4	2
ABS200904H	●	0.45R	0.9	1.8	50	4	2
ABS201204H	●	0.6R	1.2	2.4	50	4	2
ABS201404H	●	0.7R	1.4	2.8	50	4	2
ABS201604H	●	0.8R	1.6	3.2	50	4	2
ABS201804H	●	0.9R	1.8	3.6	50	4	2
ABS201904H	●	0.95R	1.9	3.8	50	4	2
ABS202104H	●	1.05R	2.1	4.2	50	4	2
ABS202204H	●	1.1R	2.2	4.4	50	4	2
ABS202304H	●	1.15R	2.3	4.6	50	4	2
ABS202404H	●	1.2R	2.4	4.8	50	4	2

●印: 標準在庫品.Stocked items　　□印: 無在庫品，訂製生產品

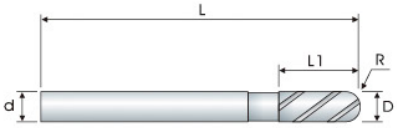
◎優 Excellent　● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鉻鎳鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎	◎					●	●	●

高硬度2刃鎢鋼球型銑刀

CARBIDE END MILLS - Ball Nose Type 2 Flutes

Micro MG | TixSiN | HRC 55 | 30° | 2 Flute | Shank h6



單位(unit):mm

型號 MODE	在庫 Stocket	球頭R Ball Radius	直徑 D1 Tool Dia	刃長L1 Flute Length	全長L Overall Length	柄徑d Shank Dia.	刃數T No. of Flute
ABS201004H	●	0.5R	1	1.5	50	4	2
ABS201504H	●	0.75R	1.5	2.5	50	4	2
ABS202004H	●	1R	2	3	50	4	2
ABS202504H	●	1.25R	2.5	4	50	4	2
ABS203004H	●	1.5R	3	5	50	4	2
ABS203504H	●	1.75R	3.5	7	50	4	2
ABS204004H	●	2R	4	6	50	4	2
ABS204006H	●	2R	4	6	50	6	2
ABS205006H	●	2.5R	5	8	50	6	2
ABS205506H	●	2.75R	5.5	11	50	6	2
ABS206006H	●	3R	6	9	50	6	2
ABS207008H	●	3.5R	7	14	60	8	2
ABS208008H	●	4R	8	16	60	8	2
ABS209010H	●	4.5R	9	18	75	10	2
ABS210010H	●	5R	10	20	75	10	2
ABS211012H	●	5.5R	11	22	75	12	2
ABS212012H	●	6R	12	24	75	12	2
ABS214016H	●	7R	14	28	100	16	2
ABS216016H	●	8R	16	32	100	16	2
ABS218020H	●	9R	18	36	100	20	2
ABS220020H	●	10R	20	40	100	20	2

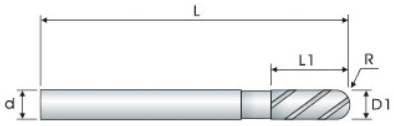
●印: 標準在庫品.Stocked items

⊙ 優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鉻鎳鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
⊙	⊙	⊙	⊙					●	●	●

CARBIDE END MILLS - Ball Nose Type 2 Flutes - Long Shank

Micro MG | TixSiN | HRC 55 | 30° | 2 Flute | Shank h6



單位(unit):mm

型號	在庫	球頭R	直徑 D1	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Ball Radius	Tool Dia	Flute Length	Overall Length	Shank Dia.	No. of Flute
ABSL201004075H	□	0.5R	1	2	75	4	2
ABSL201006075H	□	0.5R	1	2	75	6	2
ABSL201006100H	□	0.5R	1	2	100	6	2
ABSL201504075H	□	0.75R	1.5	3	75	4	2
ABSL201506075H	□	0.75R	1.5	3	75	6	2
ABSL201506100H	□	0.75R	1.5	3	100	6	2
ABSL202006075H	□	1R	2	4	75	6	2
ABSL202006100H	□	1R	2	4	100	6	2
ABSL202506075H	□	1.25R	2.5	5	75	6	2
ABSL202506100H	□	1.25R	2.5	5	100	6	2
ABSL203006075H	□	1.5R	3	6	75	6	2
ABSL203006100H	□	1.5R	3	6	100	6	2
ABSL203506075H	□	1.75R	3.5	7	100	6	2
ABSL204006075H	□	2R	4	6	75	6	2
ABSL204006100H	●	2R	4	6	100	6	2
ABSL205006075H	●	2.5R	5	8	75	6	2
ABSL205006100H	●	2.5R	5	8	100	6	2
ABSL206006075H	●	3R	6	9	75	6	2
ABSL206006100H	●	3R	6	9	100	6	2
ABSL206006150H	●	3R	6	9	150	6	2
ABSL208008075H	●	4R	8	16	75	8	2
ABSL208008100H	●	4R	8	16	100	8	2
ABSL208008150H	●	4R	8	16	150	8	2
ABSL210010100H	●	5R	10	20	100	10	2
ABSL210010150H	●	5R	10	20	150	10	2
ABSL210010200H	□	5R	10	20	200	10	2
ABSL212012100H	●	6R	12	24	100	12	2
ABSL212012150H	●	6R	12	24	150	12	2
ABSL212012200H	□	6R	12	24	200	12	2
ABSL216016150H	●	8R	16	32	150	16	2
ABSL216016200H	□	8R	16	32	200	16	2
ABSL220020150H	●	10R	20	40	150	20	2
ABSL220020200H	□	10R	20	40	200	20	2

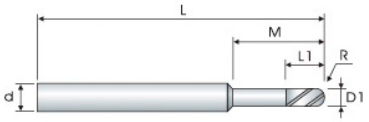
●印: 標準在庫品.Stocked items　　□印: 無在庫品，訂製生產品

◉ 優 Excellent　● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鉻鎳鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◉	◉	◉	◉					●	●	●

CARBIDE END MILLS - Ball Nose Type 2 Flutes - Long Neck

Micro MG | TixSiN | HRC 55 | 30° | 2 Flute | Shank h6



單位(unit):mm

型號 MODE	在庫 Stocket	球頭R Ball Radius	直徑 D1 Tool Dia	刃長L1 Flute Length	有效長M Under neck Length	全長L Overall Length	柄徑d Shank Dia.	刃數T No. of Flute
ADB200502H	●	0.25R	0.5	0.75	2	50	4	2
ADB200504H	●	0.25R	0.5	0.75	4	50	4	2
ADB200506H	●	0.25R	0.5	0.75	6	50	4	2
ADB200602H	●	0.3R	0.6	0.9	2	50	4	2
ADB200604H	●	0.3R	0.6	0.9	4	50	4	2
ADB200606H	●	0.3R	0.6	0.9	6	50	4	2
ADB200804H	●	0.4R	0.8	1.2	4	50	4	2
ADB200806H	●	0.4R	0.8	1.2	6	50	4	2
ADB200808H	●	0.4R	0.8	1.2	8	50	4	2
ADB201006H	●	0.5R	1	1.5	6	50	4	2
ADB201008H	●	0.5R	1	1.5	8	50	4	2
ADB201010H	●	0.5R	1	1.5	10	50	4	2
ADB201012H	●	0.5R	1	1.5	12	50	4	2
ADB201206H	●	0.6R	1.2	1.8	6	50	4	2
ADB201208H	●	0.6R	1.2	1.8	8	50	4	2
ADB201210H	●	0.6R	1.2	1.8	10	50	4	2
ADB201212H	●	0.6R	1.2	1.8	12	50	4	2
ADB201406H	●	0.7R	1.4	2.1	6	50	4	2
ADB201410H	●	0.7R	1.4	2.1	10	50	4	2
ADB201416H	●	0.7R	1.4	2.1	16	50	4	2
ADB201506H	●	0.75R	1.5	2.3	6	50	4	2
ADB201508H	●	0.75R	1.5	2.3	8	50	4	2
ADB201510H	●	0.75R	1.5	2.3	10	50	4	2
ADB201512H	●	0.75R	1.5	2.3	12	50	4	2
ADB201514H	●	0.75R	1.5	2.3	14	50	4	2
ADB201516H	●	0.75R	1.5	2.3	16	50	4	2
ADB201518H	●	0.75R	1.5	2.3	18	50	4	2
ADB201520H	●	0.75R	1.5	2.3	20	50	4	2

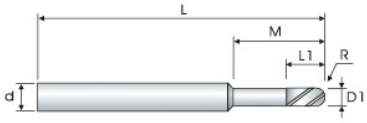
●印: 標準在庫品.Stocked items

◉優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鉻鎳鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◉	◉	◉	◉					●	●	●

CARBIDE END MILLS - Ball Nose Type 2 Flutes - Long Neck

Micro MG | TixSiN | HRC 55 | 30° | 2 Flute | Shank h6



單位(unit):mm

型號	在庫	球頭R	直徑 D1	刃長L1	有效長M	全長L	柄徑d	刃數T
MODE	Stocket	Ball Radius	Tool Dia	Flute Length	Under neck Length	Overall Length	Shank Dia.	No. of Flute
ADB202008H	●	1R	2	3	8	50	4	2
ADB202010H	●	1R	2	3	10	50	4	2
ADB202012H	●	1R	2	3	12	50	4	2
ADB202014H	●	1R	2	3	14	50	4	2
ADB202016H	●	1R	2	3	16	50	4	2
ADB202018H	●	1R	2	3	18	50	4	2
ADB202020H	●	1R	2	3	20	50	4	2
ADB202508H	●	1.25R	2.5	4	8	50	4	2
ADB202512H	●	1.25R	2.5	4	12	50	4	2
ADB202516H	●	1.25R	2.5	4	16	50	4	2
ADB202520H	●	1.25R	2.5	4	20	50	4	2
ADB203010H	●	1.5R	3	4.5	10	50	6	2
ADB203012H	●	1.5R	3	4.5	12	50	6	2
ADB203016H	●	1.5R	3	4.5	16	60	6	2
ADB203020H	●	1.5R	3	4.5	20	60	6	2
ADB203025H	●	1.5R	3	4.5	25	75	6	2
ADB204012H	●	2R	4	6	12	50	6	2
ADB204016H	●	2R	4	6	16	60	6	2
ADB204020H	●	2R	4	6	20	75	6	2
ADB204025H	●	2R	4	6	25	75	6	2
ADB204030H	●	2R	4	6	30	75	6	2

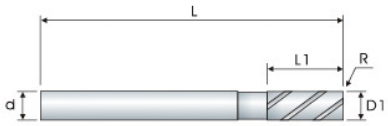
●印: 標準在庫品.Stocked items

◉ 優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鉻鎳鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◉	◉	◉	◉					●	●	●

CARBIDE END MILLS - Corner Radius Type 2 Flutes

Micro MG | TixSiN | HRC 55 | 35° | 2 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	R角	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Corner R	Flute Length	Overall Length	Shank Dia.	No. of Flute
ACR20600602H	●	6	0.2R	16	50	6	2
ACR20600603H	●	6	0.3R	16	50	6	2
ACR20600605H	●	6	0.5R	16	50	6	2
ACR20600610H	●	6	1R	16	50	6	2
ACR20600615H	●	6	1.5R	16	50	6	2
ACR20600620H	●	6	2R	16	50	6	2
ACR20800803H	●	8	0.3R	20	60	8	2
ACR20800805H	●	8	0.5R	20	60	8	2
ACR20800810H	●	8	1R	20	60	8	2
ACR20800815H	●	8	1.5R	20	60	8	2
ACR20800820H	●	8	2R	20	60	8	2
ACR20800825H	●	8	2.5R	20	60	8	2
ACR20800830H	●	8	3R	20	60	8	2
ACR21001003H	●	10	0.3R	25	75	10	2
ACR21001005H	●	10	0.5R	25	75	10	2
ACR21001010H	●	10	1R	25	75	10	2
ACR21001015H	●	10	1.5R	25	75	10	2
ACR21001020H	●	10	2R	25	75	10	2
ACR21001025H	●	10	2.5R	25	75	10	2
ACR21001030H	●	10	3R	25	75	10	2
ACR21201203H	●	12	0.3R	30	75	12	2
ACR21201205H	●	12	0.5R	30	75	12	2
ACR21201210H	●	12	1R	30	75	12	2
ACR21201215H	●	12	1.5R	30	75	12	2
ACR21201220H	●	12	2R	30	75	12	2
ACR21201225H	●	12	2.5R	30	75	12	2
ACR21201230H	●	12	3R	30	75	12	2

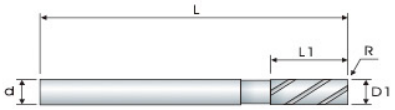
●印: 標準在庫品.Stocked items

◉ 優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鉻鎳鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◉	◉	◉	◉					●	●	●

CARBIDE END MILLS - Corner Radius Type 4 Flutes

Micro MG | TixSiN | HRC 55 | 35° | 4 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	R角	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Corner R	Flute Length	Overall Length	Shank Dia.	No. of Flute
ACR40600602H	●	6	0.2R	16	50	6	4
ACR40600603H	●	6	0.3R	16	50	6	4
ACR40600605H	●	6	0.5R	16	50	6	4
ACR40600610H	●	6	1R	16	50	6	4
ACR40600615H	●	6	1.5R	16	50	6	4
ACR40600620H	●	6	2R	16	50	6	4
ACR40800803H	●	8	0.3R	20	60	8	4
ACR40800805H	●	8	0.5R	20	60	8	4
ACR40800810H	●	8	1R	20	60	8	4
ACR40800815H	●	8	1.5R	20	60	8	4
ACR40800820H	●	8	2R	20	60	8	4
ACR40800825H	●	8	2.5R	20	60	8	4
ACR40800830H	●	8	3R	20	60	8	4
ACR41001003H	●	10	0.3R	25	75	10	4
ACR41001005H	●	10	0.5R	25	75	10	4
ACR41001010H	●	10	1R	25	75	10	4
ACR41001015H	●	10	1.5R	25	75	10	4
ACR41001020H	●	10	2R	25	75	10	4
ACR41001025H	●	10	2.5R	25	75	10	4
ACR41001030H	●	10	3R	25	75	10	4
ACR41201203H	●	12	0.3R	30	75	12	4
ACR41201205H	●	12	0.5R	30	75	12	4
ACR41201210H	●	12	1R	30	75	12	4
ACR41201215H	●	12	1.5R	30	75	12	4
ACR41201220H	●	12	2R	30	75	12	4
ACR41201225H	●	12	2.5R	30	75	12	4
ACR41201230H	●	12	3R	30	75	12	4

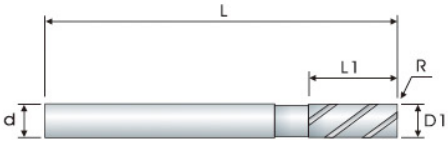
●印: 標準在庫品.Stocked items

◎優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鉻鎳鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎	◎					●	●	●

CARBIDE END MILLS - Corner Radius Type 2 Flutes- Long Shank

Micro MG | TixSiN | HRC 55 | 35° | 2 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	R角	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Corner R	Flute Length	Overall Length	Shank Dia.	No. of Flute
ACRL20300303H-75	□	3	0.3R	8	75	3	2
ACRL20300305H-75	□	3	0.5R	8	75	3	2
ACRL20300310H-75	□	3	1R	8	75	3	2
ACRL20400403H-75	□	4	0.3R	10	75	4	2
ACRL20400405H-75	□	4	0.5R	10	75	4	2
ACRL20400410H-75	□	4	1R	10	75	4	2
ACRL20400415H-75	□	4	1.5R	10	75	4	2
ACRL20400403H-100	□	4	0.3R	10	100	4	2
ACRL20400405H-100	□	4	0.5R	10	100	4	2
ACRL20400410H-100	□	4	1R	10	100	4	2
ACRL20400415H-100	□	4	1.5R	10	100	4	2
ACRL20600603H-75	□	6	0.3R	16	75	6	2
ACRL20600605H-75	□	6	0.5R	16	75	6	2
ACRL20600610H-75	□	6	1R	16	75	6	2
ACRL20600615H-75	□	6	1.5R	16	75	6	2
ACRL20600620H-75	□	6	2R	16	75	6	2
ACRL20600603H-100	□	6	0.3R	16	100	6	2
ACRL20600605H-100	□	6	0.5R	16	100	6	2
ACRL20600610H-100	□	6	1R	16	100	6	2
ACRL20600615H-100	□	6	1.5R	16	100	6	2
ACRL20600620H-100	□	6	2R	16	100	6	2
ACRL20800803H-75	□	8	0.3R	20	75	8	2
ACRL20800805H-75	□	8	0.5R	20	75	8	2
ACRL20800810H-75	□	8	1R	20	75	8	2
ACRL20800815H-75	□	8	1.5R	20	75	8	2
ACRL20800820H-75	□	8	2R	20	75	8	2

□印: 無在庫品，訂製生產品

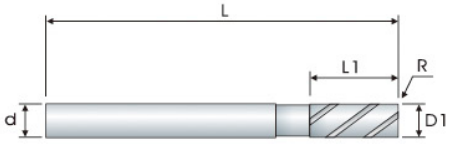
◎ 優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鉻鎳鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◎	◎	◎	◎					●	●	●

高硬度2刃鎢鋼圓鼻銑刀-長柄型

CARBIDE END MILLS - Corner Radius Type 2 Flutes

Micro MG | TixSiN | HRC 55 | 35° | 2 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	R角	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Corner R	Flute Length	Overall Length	Shank Dia.	No. of Flute
ACRL20800825H-75	□	8	2.5R	20	75	8	2
ACRL20800830H-75	□	8	3R	20	75	8	2
ACRL20800803H-100	□	8	0.3R	20	100	8	2
ACRL20800805H-100	□	8	0.5R	20	100	8	2
ACRL20800810H-100	□	8	1R	20	100	8	2
ACRL20800815H-100	□	8	1.5R	20	100	8	2
ACRL20800820H-100	□	8	2R	20	100	8	2
ACRL20800825H-100	□	8	2.5R	20	100	8	2
ACRL20800830H-100	□	8	3R	20	100	8	2
ACRL21001003H-100	□	10	0.3R	25	100	10	2
ACRL21001005H-100	□	10	0.5R	25	100	10	2
ACRL21001010H-100	□	10	1R	25	100	10	2
ACRL21001015H-100	□	10	1.5R	25	100	10	2
ACRL21001020H-100	□	10	2R	25	100	10	2
ACRL21001025H-100	□	10	2.5R	25	100	10	2
ACRL21001030H-100	□	10	3R	25	100	10	2
ACRL21201203H-100	□	12	0.3R	30	100	12	2
ACRL21201205H-100	□	12	0.5R	30	100	12	2
ACRL21201210H-100	□	12	1R	30	100	12	2
ACRL21201215H-100	□	12	1.5R	30	100	12	2
ACRL21201220H-100	□	12	2R	30	100	12	2
ACRL21201225H-100	□	12	2.5R	30	100	12	2
ACRL21201230H-100	□	12	3R	30	100	12	2

□印: 無在庫品，訂製生產品

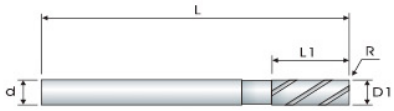
⊙ 優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鉻鎳鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
⊙	⊙	⊙	⊙					●	●	●

高硬度4刃鎢鋼圓鼻銑刀-長柄型

CARBIDE END MILLS - Corner Radius Type 4 Flutes - Long Shank

Micro MG | TixSiN | HRC 55 | 35° | 4 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	R角	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Corner R	Flute Length	Overall Length	Shank Dia.	No. of Flute
ACRL40300303H-75	□	3	0.3R	8	75	3	4
ACRL40300305H-75	□	3	0.5R	8	75	3	4
ACRL40300310H-75	□	3	1R	8	75	3	4
ACRL40400403H-75	□	4	0.3R	10	75	4	4
ACRL40400405H-75	□	4	0.5R	10	75	4	4
ACRL40400410H-75	□	4	1R	10	75	4	4
ACRL40400415H-100	□	4	1.5R	10	75	4	4
ACRL40400403H-100	□	4	0.3R	10	100	4	4
ACRL40400405H-100	□	4	0.5R	10	100	4	4
ACRL40400410H-100	□	4	1R	10	100	4	4
ACRL40400415H-100	□	4	1.5R	10	100	4	4
ACRL40600603H-75	□	6	0.3R	16	75	6	4
ACRL40600605H-75	□	6	0.5R	16	75	6	4
ACRL40600610H-75	□	6	1R	16	75	6	4
ACRL40600615H-75	□	6	1.5R	16	75	6	4
ACRL40600620H-75	□	6	2R	16	75	6	4
ACRL40600603H-100	□	6	0.3R	16	100	6	4
ACRL40600605H-100	□	6	0.5R	16	100	6	4
ACRL40600610H-100	□	6	1R	16	100	6	4
ACRL40600615H-100	□	6	1.5R	16	100	6	4
ACRL40600620H-100	□	6	2R	16	100	6	4
ACRL40800803H-75	□	8	0.3R	20	75	8	4
ACRL40800805H-75	□	8	0.5R	20	75	8	4
ACRL40800810H-75	□	8	1R	20	75	8	4

□印: 無在庫品，訂製生產品

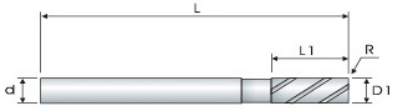
◉ 優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鎳鉻鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
◉	◉	◉	◉					●	●	●

高硬度4刃鎢鋼圓鼻銑刀-長柄型

CARBIDE END MILLS - Corner Radius Type 4 Flutes - Long Shank

Micro MG | TixSiN | HRC 55 | 35° | 4 Flute | Shank h6



單位(unit):mm

型號	在庫	直徑 D1	R角	刃長L1	全長L	柄徑d	刃數T
MODE	Stocket	Tool Dia	Corner R	Flute Length	Overall Length	Shank Dia.	No. of Flute
ACRL40800815H-75	□	8	1.5R	20	75	8	4
ACRL40800820H-75	□	8	2R	20	75	8	4
ACRL40800825H-75	□	8	2.5R	20	75	8	4
ACRL40800830H-75	□	8	3R	20	75	8	4
ACRL40800803H-100	□	8	0.3R	20	100	8	4
ACRL40800805H-100	□	8	0.5R	20	100	8	4
ACRL40800810H-100	□	8	1R	20	100	8	4
ACRL40800815H-100	□	8	1.5R	20	100	8	4
ACRL40800820H-100	□	8	2R	20	100	8	4
ACRL40800825H-100	□	8	2.5R	20	100	8	4
ACRL40800830H-100	□	8	3R	20	100	8	4
ACRL41001003H-100	□	10	0.3R	25	100	10	4
ACRL41001005H-100	□	10	0.5R	25	100	10	4
ACRL41001010H-100	□	10	1R	25	100	10	4
ACRL41001015H-100	□	10	1.5R	25	100	10	4
ACRL41001020H-100	□	10	2R	25	100	10	4
ACRL41001025H-100	□	10	2.5R	25	100	10	4
ACRL41001030H-100	□	10	3R	25	100	10	4
ACRL41201203H-100	□	12	0.3R	30	100	12	4
ACRL41201205H-100	□	12	0.5R	30	100	12	4
ACRL41201210H-100	□	12	1R	30	100	12	4
ACRL41201215H-100	□	12	1.5R	30	100	12	4
ACRL41201220H-100	□	12	2R	30	100	12	4
ACRL41201225H-100	□	12	2.5R	30	100	12	4
ACRL41201230H-100	□	12	3R	30	100	12	4

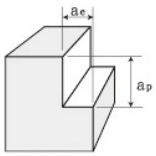
□印: 無在庫品，訂製生產品

⊙ 優 Excellent ● 可 Good

碳鋼 Carbon Steels	合金鋼 Alloy Steels	硬化鋼 Hardened Steels		高硬度鋼 High Hardened Steels	銅 Copper	鑄鐵 Cast Iron	鋁 Aluminum	不銹鋼 Stainless Steels	鈦合金 Titanium	鉻鎳鐵合金 Inconel
~HB225	HB225~325	HRc~50	HRc~55	HRc~60						
⊙	⊙	⊙	⊙					●	●	●

標準切削條件表

Recommended cutting conditions



＜側面切削＞ Side milling

被削材（硬さ）Work material (Hardness)	条件域 Condition Range	切込み Depth of cut mm	切削条件 Cutting Conditions	外径 Dc Tool Dia. (mm) φ 3	φ 4	φ 5	φ 6	φ 8	φ 10	φ 12	φ 16	φ 20
鑄鉄 Cast Iron (150 ～ 200HB) FC250	高速条件 High speed	ap=1.5Dc	回転数 min⁻¹	12,700	9,550	7,640	6,370	4,770	3,820	3,180	2,390	1,910
		ae=0.1Dc	進給速度 mm/min	1,020	1,150	1,220	1,270	1,340	1,220	1,140	960	920
	汎用条件 General	ap=1.5Dc	回転数 min⁻¹	10,600	7,960	6,370	5,310	3,980	3,180	2,650	1,990	1,590
		ae=0.1Dc	進給速度 mm/min	850	960	1,020	1,060	1,110	1,020	950	800	760
炭素鋼 Carbon Steels (180 ～ 220HB) SS400、S50C	高速条件 High speed	ap=1.5Dc	回転数 min⁻¹	12,700	9,550	7,640	6,370	4,770	3,820	3,180	2,390	1,910
		ae=0.1Dc	進給速度 mm/min	1,020	1,150	1,220	1,270	1,340	1,220	1,140	960	920
	汎用条件 General	ap=1.5Dc	回転数 min⁻¹	10,600	7,960	6,370	5,310	3,980	3,180	2,650	1,990	1,590
		ae=0.1Dc	進給速度 mm/min	850	960	1,020	1,060	1,110	1,020	950	800	760
合金鋼 Alloy Steels (200 ～ 250HB) SCM440、SNCM	高速条件 High speed	ap=1.5Dc	回転数 min⁻¹	10,600	7,960	6,370	5,310	3,980	3,180	2,650	1,990	1,590
		ae=0.1Dc	進給速度 mm/min	850	960	1,020	1,060	1,110	1,020	950	800	760
	汎用条件 General	ap=1.5Dc	回転数 min⁻¹	8,490	6,370	5,090	4,240	3,180	2,550	2,120	1,590	1,270
		ae=0.1Dc	進給速度 mm/min	680	760	810	850	890	820	760	640	610
不銹鋼.工具鋼 Stainless Steels, Tool Steels (25 ～ 35HRC) SUS304、SKD	高速条件 High speed	ap=1.5Dc	回転数 min⁻¹	8,490	6,370	5,090	4,240	3,180	2,550	2,120	1,590	1,270
		ae=0.1Dc	進給速度 mm/min	510	640	710	680	640	610	590	540	510
	汎用条件 General	ap=1.5Dc	回転数 min⁻¹	6,370	4,770	3,820	3,180	2,390	1,910	1,590	1,190	950
		ae=0.1Dc	進給速度 mm/min	380	480	530	510	480	460	450	400	380
預硬鋼 Pre-hardened Steels (35 ～ 45HRC) HPM1、NAK55	高速条件 High speed	ap=1.5Dc	回転数 min⁻¹	8,490	6,370	5,090	4,240	3,180	2,550	2,120	1,590	1,270
		ae=0.1Dc	進給速度 mm/min	510	640	710	680	640	610	590	540	510
	汎用条件 General	ap=1.5Dc	回転数 min⁻¹	6,370	4,770	3,820	3,180	2,390	1,910	1,590	1,190	950
		ae=0.1Dc	進給速度 mm/min	380	480	530	510	480	460	450	400	380
熱處理鋼 Hardened Steels (45 ～ 60HRC) SKD61、SKT4	高速条件 High speed	ap=1.5Dc	回転数 min⁻¹	6,370	4,770	3,820	3,180	2,390	1,910	1,590	1,190	950
		ae=0.05Dc	進給速度 mm/min	250	380	460	450	430	420	380	330	300
	汎用条件 General	ap=1.5Dc	回転数 min⁻¹	4,240	3,180	2,550	2,120	1,590	1,270	1,060	800	640
		ae=0.05Dc	進給速度 mm/min	170	250	310	300	290	280	250	220	200
鈦合金 Titanium Alloy Ti-6Al-4V	高速条件 High speed	ap=1.5Dc	回転数 min⁻¹	6,370	4,770	3,820	3,180	2,390	1,910	1,590	1,190	950
		ae=0.05Dc	進給速度 mm/min	250	380	460	450	430	420	380	330	300
	汎用条件 General	ap=1.5Dc	回転数 min⁻¹	4,240	3,180	2,550	2,120	1,590	1,270	1,060	800	640
		ae=0.05Dc	進給速度 mm/min	170	250	310	300	290	280	250	220	200
超耐熱合金 Super Heat-resistant Alloy Inconel Hasteloy	高速条件 High speed	ap=1.5Dc	回転数 min⁻¹	2,650	1,990	1,590	1,330	990	800	660	500	400
		ae=0.05Dc	進給速度 mm/min	110	160	190	190	180	180	160	140	130
	汎用条件 General	ap=1.5Dc	回転数 min⁻¹	2,120	1,590	1,270	1,060	800	640	530	400	320
		ae=0.05Dc	進給速度 mm/min	85	130	150	150	140	140	130	110	100

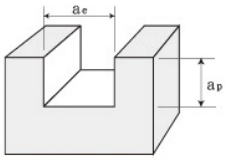
【注意】

1、請使用順銑(Down Cut)切削方向。
2、一般鋼材在使用高速切削時，請搭配載用冷卻風壓 Air Blow 或 Oil-Mist。
3、不銹鋼材，超耐熱合金鋼材，請使用不水溶性切削油。
4、請使用高剛性機配工具配件，以使切削加工安定。
5、機械回轉速不足的時候，主軸的回轉速和進給速度可以做同比例的調整下降。
6、請依據加工形狀、機械剛性工具的夾持突出長度等狀況不同，做主軸回轉速和進給速度的調整。

【Note】

① Down-cutting is recommended.
② Use generally dry (air-blow) or oil-mist coolant, especially at the high-speed machining.
③ Oil base coolant is recommended for machining stainless steels and heat-resistant alloy.
④ Use a machine tool with rigidity and rigid set-up, to machine stably
⑤ When the revolution speed is not enough, reduce the revolution speed and table speed at the same ratio.
⑥ Adjust the revolution speed and table speed, according to cutting conditions such as machining shape, rigidity of machine tool, over-hang and so on.

標準切削條件表 Recommended cutting conditions



＜溝切削＞ Slotting

被削材（硬さ） Work material (Hardness)	条件域 Condition Range	切込み Depth of cut mm	切削条件 Cutting Conditions	外径 Dc Tool Dia. (mm) φ 3	φ 4	φ 5	φ 6	φ 8	φ 10	φ 12	φ 16	φ 20
鑄鉄 Cast Iron (150 ～ 200HB) FC250	高速条件 High speed	ap ≦ 0.5Dc	回転数 min⁻¹	5,310	3,980	3,180	2,650	1,990	1,590	1,330	990	800
		ae = 1Dc	進給速度 mm/min	420	480	510	530	560	510	480	400	380
	汎用条件 General	ap ≦ 1Dc	回転数 min⁻¹	3,180	2,390	1,910	1,590	1,190	950	800	600	480
		ae = 1Dc	進給速度 mm/min	250	290	310	320	330	300	290	240	230
炭素鋼 Carbon Steels (180 ～ 220HB) SS400、S50C	高速条件 High speed	ap ≦ 0.5Dc	回転数 min⁻¹	8,490	6,370	5,090	4,240	3,180	2,550	2,120	1,590	1,270
		ae = 1Dc	進給速度 mm/min	680	760	810	850	890	820	760	640	610
	汎用条件 General	ap ≦ 1Dc	回転数 min⁻¹	7,430	5,570	4,460	3,710	2,790	2,230	1,860	1,390	1,110
		ae = 1Dc	進給速度 mm/min	590	670	710	740	780	710	670	560	530
合金鋼 Alloy Steels (200 ～ 250HB) SCM440、SNCM	高速条件 High speed	ap ≦ 0.5Dc	回転数 min⁻¹	7,430	5,570	4,460	3,710	2,790	2,230	1,860	1,390	1,110
		ae = 1Dc	進給速度 mm/min	590	670	710	740	780	710	670	560	530
	汎用条件 General	ap ≦ 1Dc	回転数 min⁻¹	5,310	3,980	3,180	2,650	1,990	1,590	1,330	990	800
		ae = 1Dc	進給速度 mm/min	420	480	510	530	560	510	480	400	380
不銹鋼.工具鋼 Stainless Steels, Tool Steels (25 ～ 35HRC) SUS304、SKD	高速条件 High speed	ap ≦ 0.2Dc	回転数 min⁻¹	5,310	3,980	3,180	2,650	1,990	1,590	1,330	990	800
		ae = 1Dc	進給速度 mm/min	320	400	450	420	400	380	370	340	320
	汎用条件 General	ap ≦ 0.5Dc	回転数 min⁻¹	4,240	3,180	2,550	2,120	1,590	1,270	1,060	800	640
		ae = 1Dc	進給速度 mm/min	250	320	360	340	320	300	300	270	260
預硬鋼 Pre-hardened Steels (35 ～ 45HRC) HPM1、NAK55	高速条件 High speed	ap ≦ 0.2Dc	回転数 min⁻¹	5,310	3,980	3,180	2,650	1,990	1,590	1,330	990	800
		ae = 1Dc	進給速度 mm/min	320	400	450	420	400	380	370	340	320
	汎用条件 General	ap ≦ 0.5Dc	回転数 min⁻¹	4,240	3,180	2,550	2,120	1,590	1,270	1,060	800	640
		ae = 1Dc	進給速度 mm/min	250	320	360	340	320	300	300	270	260
熱處理鋼 Hardened Steels (45 ～ 60HRC) SKD61、SKT4	高速条件 High speed	ap=	回転数 min⁻¹									
		ae=	進給速度 mm/min									
	汎用条件 General	ap ≦ 0.2Dc	回転数 min⁻¹	2,120	1,590	1,270	1,060	800	640	530	400	320
		ae = 1Dc	進給速度 mm/min	85	130	150	150	140	140	130	110	100
鈦合金 Titanium Alloy Ti-6Al-4V	高速条件 High speed	ap=	回転数 min⁻¹									
		ae=	進給速度 mm/min									
	汎用条件 General	ap ≦ 0.2Dc	回転数 min⁻¹	3,180	2,390	1,910	1,590	1,190	950	800	600	480
		ae = 1Dc	進給速度 mm/min	130	190	230	220	210	210	190	170	150
超耐熱合金 Super Heat-resistant Alloy Inconel Hasteloy	高速条件 High speed	ap=	回転数 min⁻¹									
		ae=	進給速度 mm/min									
	汎用条件 General	ap ≦ 0.2Dc	回転数 min⁻¹	1,590	1,190	950	800	600	480	400	300	240
		ae = 1Dc	進給速度 mm/min	65	95	110	110	110	110	95	85	75

【注意】

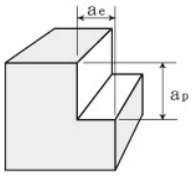
1、請使用順銑(Down Cut)切削方向。
2、一般鋼材在使用高速切削時，請搭配載用冷卻風壓 Air Blow 或 Oil-Mist。
3、不銹鋼材，超耐熱合金鋼材，請使用不水溶性切削油。
4、請使用高剛性機配工具配件，以使切削加工安定。
5、機械回轉速不足的時候，主軸的回轉速和進給速度可以做同比例的調整下降。
6、請依據加工形狀、機械剛性工具的夾持突出長度等狀況不同，做主軸回轉速和進給速度的調整。

【Note】

① Down-cutting is recommended.
② Use generally dry (air-blow) or oil-mist coolant, especially at the high-speed machining.
③ Oil base coolant is recommended for machining stainless steels and heat-resistant alloy.
④ Use a machine tool with rigidity and rigid set-up, to machine stably
⑤ When the revolution speed is not enough, reduce the revolution speed and table speed at the same ratio.
⑥ Adjust the revolution speed and table speed, according to cutting conditions such as machining shape, rigidity of machine tool, over-hang and so on.

STC-EPML 長刃規格 Long Flute

標準切削條件表 Recommended cutting conditions



＜側面切削＞ Side milling

被削材（硬さ） Work material (Hardness)	条件域 Condition Range	切込み Depth of cut mm	切削条件 Cutting Conditions	外径 Dc Tool Dia. (mm) φ 6	φ 8	φ 10	φ 12	φ 16	φ 20
鑄鉄 Cast Iron (150 ～ 200HB) FC250	高速条件 High speed	ap=	回転数 min⁻¹						
		ae=	進給速度 mm/min						
	汎用条件 General	ap=3Dc	回転数 min⁻¹	2,650	1,990	1,590	1,330	990	800
		ae=0.02Dc	進給速度 mm/min	530	560	510	480	400	380
炭素鋼 Carbon Steels (180 ～ 220HB) SS400、S50C	高速条件 High speed	ap=	回転数 min⁻¹						
		ae=	進給速度 mm/min						
	汎用条件 General	ap=3Dc	回転数 min⁻¹	2,650	1,990	1,590	1,330	990	800
		ae=0.02Dc	進給速度 mm/min	530	560	510	480	400	380
合金鋼 Alloy Steels (200 ～ 250HB) SCM440、SNCM	高速条件 High speed	ap=	回転数 min⁻¹						
		ae=	進給速度 mm/min						
	汎用条件 General	ap=3Dc	回転数 min⁻¹	2,120	1,590	1,270	1,060	800	640
		ae=0.02Dc	進給速度 mm/min	420	450	410	380	320	310
不銹鋼.工具鋼 Stainless Steels, Tool Steels (25 ～ 35HRC) SUS304、SKD	高速条件 High speed	ap=	回転数 min⁻¹						
		ae=	進給速度 mm/min						
	汎用条件 General	ap=3Dc	回転数 min⁻¹	1,590	1,190	950	800	600	480
		ae=0.02Dc	進給速度 mm/min	250	240	230	220	200	190
預硬鋼 Pre-hardened Steels (35 ～ 45HRC) HPM1、NAK55	高速条件 High speed	ap=	回転数 min⁻¹						
		ae=	進給速度 mm/min						
	汎用条件 General	ap=3Dc	回転数 min⁻¹	1,590	1,190	950	800	600	480
		ae=0.02Dc	進給速度 mm/min	250	240	230	220	200	190
熱處理鋼 Hardened Steels (45 ～ 60HRC) SKD61、SKT4	高速条件 High speed	ap=	回転数 min⁻¹						
		ae=	進給速度 mm/min						
	汎用条件 General	ap=3Dc	回転数 min⁻¹	1,060	800	640	530	400	320
		ae=0.01Dc	進給速度 mm/min	150	140	140	130	110	100
鈦合金 Titanium Alloy Ti-6Al-4V	高速条件 High speed	ap=	回転数 min⁻¹						
		ae=	進給速度 mm/min						
	汎用条件 General	ap=3Dc	回転数 min⁻¹	1,060	800	640	530	400	320
		ae=0.01Dc	進給速度 mm/min	150	140	140	130	110	100
超耐熱合金 Super Heat-resistant Alloy Inconel Hasteloy	高速条件 High speed	ap=	回転数 min⁻¹						
		ae=	進給速度 mm/min						
	汎用条件 General	ap=3Dc	回転数 min⁻¹	530	400	320	270	200	160
		ae=0.01Dc	進給速度 mm/min	75	70	70	65	55	50

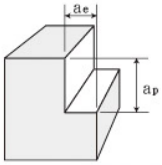
【注意】

1、請使用順銑(Down Cut)切削方向。
2、一般鋼材在使用高速切削時，請搭配載用冷卻風壓 Air Blow 或 Oil-Mist。
3、不銹鋼材，超耐熱合金鋼材，請使用不水溶性切削油。
4、請使用高剛性機配工具配件，以使切削加工安定。
5、機械回轉速不足的時候，主軸的回轉速和進給速度可以做同比例的調整下降。
6、請依據加工形狀、機械剛性工具的夾持突出長度等狀況不同，做主軸回轉速和進給速度的調整。

【Note】

① Down-cutting is recommended.
② Use generally dry (air-blow) or oil-mist coolant, especially at the high-speed machining.
③ Oil base coolant is recommended for machining stainless steels and heat-resistant alloy.
④ Use a machine tool with rigidity and rigid set-up, to machine stably
⑤ When the revolution speed is not enough, reduce the revolution speed and table speed at the same ratio.
⑥ Adjust the revolution speed and table speed, according to cutting conditions such as machining shape, rigidity of machine tool, over-hang and so on.

標準圓鼻刀切削條件表 Recommended cutting conditions



＜側面切削＞ Side milling

被削材（硬さ） Work material (Hardness)	条件域 Condition Range	切込み Depth of cut mm	切削条件 Cutting Conditions	外径 Dc Tool Dia. (mm) φ 3	φ 4	φ 5	φ 6	φ 8	φ 10	φ 12	φ 16	φ 20
鋳鉄 Cast Iron (150 ～ 200HB) FC250	高速条件 High speed	ap=1.5Dc	回転数 min^{-1}	12,700	9,550	7,640	6,370	4,770	3,820	3,180	2,390	1,910
		ae=0.1Dc	進給速度 mm/min	1,020	1,150	1,220	1,270	1,340	1,220	1,140	960	920
	汎用条件 General	ap=1.5Dc	回転数 min^{-1}	10,600	7,960	6,370	5,310	3,980	3,180	2,650	1,990	1,590
		ae=0.1Dc	進給速度 mm/min	850	960	1,020	1,060	1,110	1,020	950	800	760
炭素鋼 Carbon Steels (180 ～ 220HB) SS400、S50C	高速条件 High speed	ap=1.5Dc	回転数 min^{-1}	12,700	9,550	7,640	6,370	4,770	3,820	3,180	2,390	1,910
		ae=0.1Dc	進給速度 mm/min	1,020	1,150	1,220	1,270	1,340	1,220	1,140	960	920
	汎用条件 General	ap=1.5Dc	回転数 min^{-1}	10,600	7,960	6,370	5,310	3,980	3,180	2,650	1,990	1,590
		ae=0.1Dc	進給速度 mm/min	850	960	1,020	1,060	1,110	1,020	950	800	760
合金鋼 Alloy Steels (200 ～ 250HB) SCM440、SNCM	高速条件 High speed	ap=1.5Dc	回転数 min^{-1}	10,600	7,960	6,370	5,310	3,980	3,180	2,650	1,990	1,590
		ae=0.1Dc	進給速度 mm/min	850	960	1,020	1,060	1,110	1,020	950	800	760
	汎用条件 General	ap=1.5Dc	回転数 min^{-1}	8,490	6,370	5,090	4,240	3,180	2,550	2,120	1,590	1,270
		ae=0.1Dc	進給速度 mm/min	680	760	810	850	890	820	760	640	610
不銹鋼.工具鋼 Stainless Steels, Tool Steels (25 ～ 35HRC) SUS304、SKD	高速条件 High speed	ap=1.5Dc	回転数 min^{-1}	8,490	6,370	5,090	4,240	3,180	2,550	2,120	1,590	1,270
		ae=0.1Dc	進給速度 mm/min	510	640	710	680	640	610	590	540	510
	汎用条件 General	ap=1.5Dc	回転数 min^{-1}	6,370	4,770	3,820	3,180	2,390	1,910	1,590	1,190	950
		ae=0.1Dc	進給速度 mm/min	380	480	530	510	480	460	450	400	380
預硬鋼 Pre-hardened Steels (35 ～ 45HRC) HPM1、NAK55	高速条件 High speed	ap=1.5Dc	回転数 min^{-1}	8,490	6,370	5,090	4,240	3,180	2,550	2,120	1,590	1,270
		ae=0.1Dc	進給速度 mm/min	510	640	710	680	640	610	590	540	510
	汎用条件 General	ap=1.5Dc	回転数 min^{-1}	6,370	4,770	3,820	3,180	2,390	1,910	1,590	1,190	950
		ae=0.1Dc	進給速度 mm/min	380	480	530	510	480	460	450	400	380
熱處理鋼 Hardened Steels (45 ～ 60HRC) SKD61、SKT4	高速条件 High speed	ap=1.5Dc	回転数 min^{-1}	6,370	4,770	3,820	3,180	2,390	1,910	1,590	1,190	950
		ae=0.05Dc	進給速度 mm/min	250	380	460	450	430	420	380	330	300
	汎用条件 General	ap=1.5Dc	回転数 min^{-1}	4,240	3,180	2,550	2,120	1,590	1,270	1,060	800	640
		ae=0.05Dc	進給速度 mm/min	170	250	310	300	290	280	250	220	200
鈦合金 Titanium Alloy Ti-6Al-4V	高速条件 High speed	ap=1.5Dc	回転数 min^{-1}	6,370	4,770	3,820	3,180	2,390	1,910	1,590	1,190	950
		ae=0.05Dc	進給速度 mm/min	250	380	460	450	430	420	380	330	300
	汎用条件 General	ap=1.5Dc	回転数 min^{-1}	4,240	3,180	2,550	2,120	1,590	1,270	1,060	800	640
		ae=0.05Dc	進給速度 mm/min	170	250	310	300	290	280	250	220	200
超耐熱合金 Super Heat-resistant Alloy Inconel Hasteloy	高速条件 High speed	ap=1.5Dc	回転数 min^{-1}	2,650	1,990	1,590	1,330	990	800	660	500	400
		ae=0.05Dc	進給速度 mm/min	110	160	190	190	180	180	160	140	130
	汎用条件 General	ap=1.5Dc	回転数 min^{-1}	2,120	1,590	1,270	1,060	800	640	530	400	320
		ae=0.05Dc	進給速度 mm/min	85	130	150	150	140	140	130	110	100

【注意】

1、請使用順銑(Down Cut)切削方向。
2、一般鋼材在使用高速切削時，請搭配載用冷卻風壓 Air Blow 或 Oil-Mist。
3、不銹鋼材，超耐熱合金鋼材，請使用不水溶性切削油。
4、請使用高剛性機配工具配件，以使切削加工安定。
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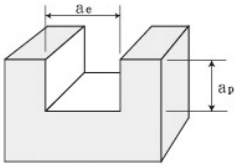
③ Oil base coolant is recommended for machining stainless steels and heat-resistant alloy.
④ Use a machine tool with rigidity and rigid set-up, to machine stably
⑤ When the revolution speed is not enough, reduce the revolution speed and table speed at the same ratio.
⑥ Adjust the revolution speed and table speed, according to cutting conditions such as machining shape, rigidity of machine tool, over-hang and so on.

標準圓鼻刀切削條件表 Recommended cutting conditions



被削材（硬さ）Work material (Hardness)	条件域 Condition Range	切込み Depth of cut mm	切削条件 Cutting Conditions	外径 Dc Tool Dia. (mm) φ 3	φ 4	φ 5	φ 6	φ 8	φ 10	φ 12	φ 16	φ 20
鑄鉄 Cast Iron (150 ～ 200HB) FC250	高速条件 High speed	ap ≦ 0.5Dc	回転数 min⁻¹	5,310	3,980	3,180	2,650	1,990	1,590	1,330	990	800
		ae = 1Dc	進給速度 mm/min	420	480	510	530	560	510	480	400	380
	汎用条件 General	ap ≦ 1Dc	回転数 min⁻¹	3,180	2,390	1,910	1,590	1,190	950	800	600	480
		ae = 1Dc	進給速度 mm/min	250	290	310	320	330	300	290	240	230
炭素鋼 Carbon Steels (180 ～ 220HB) SS400、S50C	高速条件 High speed	ap ≦ 0.5Dc	回転数 min⁻¹	8,490	6,370	5,090	4,240	3,180	2,550	2,120	1,590	1,270
		ae = 1Dc	進給速度 mm/min	680	760	810	850	890	820	760	640	610
	汎用条件 General	ap ≦ 1Dc	回転数 min⁻¹	7,430	5,570	4,460	3,710	2,790	2,230	1,860	1,390	1,110
		ae = 1Dc	進給速度 mm/min	590	670	710	740	780	710	670	560	530
合金鋼 Alloy Steels (200 ～ 250HB) SCM440、SNCM	高速条件 High speed	ap ≦ 0.5Dc	回転数 min⁻¹	7,430	5,570	4,460	3,710	2,790	2,230	1,860	1,390	1,110
		ae = 1Dc	進給速度 mm/min	590	670	710	740	780	710	670	560	530
	汎用条件 General	ap ≦ 1Dc	回転数 min⁻¹	5,310	3,980	3,180	2,650	1,990	1,590	1,330	990	800
		ae = 1Dc	進給速度 mm/min	420	480	510	530	560	510	480	400	380
不銹鋼.工具鋼 Stainless Steels, Tool Steels (25 ～ 35HRC) SUS304、SKD	高速条件 High speed	ap ≦ 0.2Dc	回転数 min⁻¹	5,310	3,980	3,180	2,650	1,990	1,590	1,330	990	800
		ae = 1Dc	進給速度 mm/min	320	400	450	420	400	380	370	340	320
	汎用条件 General	ap ≦ 0.5Dc	回転数 min⁻¹	4,240	3,180	2,550	2,120	1,590	1,270	1,060	800	640
		ae = 1Dc	進給速度 mm/min	250	320	360	340	320	300	300	270	260
預硬鋼 Pre-hardened Steels (35 ～ 45HRC) HPM1、NAK55	高速条件 High speed	ap ≦ 0.2Dc	回転数 min⁻¹	5,310	3,980	3,180	2,650	1,990	1,590	1,330	990	800
		ae = 1Dc	進給速度 mm/min	320	400	450	420	400	380	370	340	320
	汎用条件 General	ap ≦ 0.5Dc	回転数 min⁻¹	4,240	3,180	2,550	2,120	1,590	1,270	1,060	800	640
		ae = 1Dc	進給速度 mm/min	250	320	360	340	320	300	300	270	260
熱處理鋼 Hardened Steels (45 ～ 60HRC) SKD61、SKT4	高速条件 High speed	ap=	回転数 min⁻¹									
		ae=	進給速度 mm/min									
	汎用条件 General	ap ≦ 0.2Dc	回転数 min⁻¹	2,120	1,590	1,270	1,060	800	640	530	400	320
		ae = 1Dc	進給速度 mm/min	85	130	150	150	140	140	130	110	100
鈦合金 Titanium Alloy Ti-6Al-4V	高速条件 High speed	ap=	回転数 min⁻¹									
		ae=	進給速度 mm/min									
	汎用条件 General	ap ≦ 0.2Dc	回転数 min⁻¹	3,180	2,390	1,910	1,590	1,190	950	800	600	480
		ae = 1Dc	進給速度 mm/min	130	190	230	220	210	210	190	170	150
超耐熱合金 Super Heat-resistant Alloy Inconel Hasteloy	高速条件 High speed	ap=	回転数 min⁻¹									
		ae=	進給速度 mm/min									
	汎用条件 General	ap ≦ 0.2Dc	回転数 min⁻¹	1,590	1,190	950	800	600	480	400	300	240
		ae = 1Dc	進給速度 mm/min	65	95	110	110	110	110	95	85	75

【注意】

1、請使用順銑(Down Cut)切削方向。
2、一般鋼材在使用高速切削時，請搭配載用冷卻風壓 Air Blow 或 Oil-Mist。
3、不銹鋼材，超耐熱合金鋼材，請使用不水溶性切削油。
4、請使用高剛性機配工具配件，以使切削加工安定。
5、機械回轉速不足的時候，主軸的回轉速和進給速度可以做同比例的調整下降。
6、請依據加工形狀、機械剛性工具的夾持突出長度等狀況不同，做主軸回轉速和進給速度的調整。

【Note】

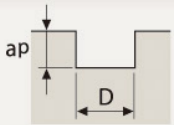
① Down-cutting is recommended.
② Use generally dry (air-blow) or oil-mist coolant, especially at the high-speed machining.
③ Oil base coolant is recommended for machining stainless steels and heat-resistant alloy.
④ Use a machine tool with rigidity and rigid set-up, to machine stably
⑤ When the revolution speed is not enough, reduce the revolution speed and table speed at the same ratio.
⑥ Adjust the revolution speed and table speed, according to cutting conditions such as machining shape, rigidity of machine tool, over-hang and so on.

標準切削條件表

被切削材 Work Material	鐵材・碳素鋼・鑄鐵 合金鋼・工具鋼 模具鋼, SS41, S45C, FC FCD, SCr, SCM, SNCM, SK, SKD, PDS, YK30	合金鋼・碳素鋼 模具鋼・熱處理鋼 SCr, SCM, SNC, SNCM SKD, NAK101 PDS5, P20	合金鋼・工具鋼 不鏽鋼・模具鋼 熱處理鋼, SCr, SCM, SNC, SNCM, SKD, NAK P20S, FDAC, SUS	熱處理鋼 Hardened Steels

工件硬度Hardness		~HRC30		HRC30-35		HRC35-40		HRC40-45	
刃徑 Mill Dia.	ap	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
D0.3	0.020	20000-50000	200-1500	15000-30000	150-1000	10000-20000	100-500	5000-15000	50-250
D0.4	0.025	20000-50000	200-1500	15000-30000	150-1000	10000-20000	100-500	5000-15000	
D0.5	0.030	20000-50000	200-1500	15000-30000	150-1000	10000-20000	100-500	5000-15000	50-250
D0.6	0.035	20000-50000	200-1500	15000-30000	150-1000	10000-20000	100-500	5000-15000	
D0.7	0.040	20000-50000	200-1500	15000-30000	150-1000	10000-20000	100-500	5000-15000	50-250
D0.8	0.045	20000-50000	200-1500	15000-30000	150-1000	10000-20000	100-500	5000-15000	50-250
D0.9	0.045	20000-50000	200-1500	15000-30000	150-1000	10000-20000	100-500	5000-15000	

溝銑 Slot Milling



1. 此切銷條件僅為一般加工參考，因加工機之廠牌不同， 機型不同， 機器剛性與主軸扭力值亦不同，故需視實際加工情況調整之。
2. 在切削中如果產生異常之震動或聲音時，請調降主軸轉速、進給速度與切削量至情況改善為止。
3. 請使用準確性與高剛性之機器與刀把。

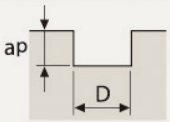
1. The milling conditions shown above is just for general guide. When the machine is different, the rigidity and spindle torque is different as well. The millingconditions are always adjusted base on real machining status.
2. Adjust milling condition when unusual vibration and sound occur by cutting.
3. Use highly rigid and precise machine and holder.

標準切削條件表

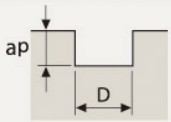
被切削材 Work Material	鐵材・碳素鋼・鑄鐵 合金鋼・工具鋼 模具鋼, SS41, S45C, FC FCD, SCr, SCM, SNCM, SK, SKD, PDS, YK30	合金鋼・碳素鋼 模具鋼・熱處理鋼 SCr, SCM, SNC, SNCM SKD, NAK101 PDS5, P20	合金鋼・工具鋼 不鏽鋼・模具鋼 熱處理鋼, SCr, SCM, SNC, SNCM, SKD, NAK P20S, FDAC, SUS	熱處理鋼 鈦合金 Hardened Steels Titanium Alloys	熱處理鋼 鎳基合金 Hardened Steels Nickel Alloys

工件硬度 Hardness	~HRC30		HRC30-35		HRC35-40		HRC40-45		HRC50-55	
刃徑 Mill Dia.	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
D1.0	16000	64	9500	40	8600	38	7600	36	3200	13
D2.0	9500	88	5700	56	5100	50	4500	44	1900	19
D3.0	7400	120	4500	76	4000	68	3600	60	1500	25
D4.0	6400	160	3800	96	3400	86	3000	80	1270	32
D5.0	5700	200	3400	120	3100	110	2700	96	1150	40
D6.0	5300	256	3200	152	2900	136	2500	120	1060	50
D8.0	4000	256	2400	152	2200	136	1900	120	800	50
D10.0	3200	256	1900	152	1700	136	1500	120	640	50
D12.0	2600	250	1600	152	1450	136	1300	120	530	50
D16.0	2000	192	1200	116	1100	104	950	92	400	38
D18.0	1800	176	1100	104	1000	94	850	80	350	33
D20.0	1600	152	950	92	860	83	760	72	320	30

溝銑 Slot Milling



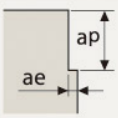
D=3.0mm以下時, ap=0.15D以下
D=3.0mm以上時, ap=0.25D以下
D=3.0mm under, ap=0.15D under
D=3.0mm above, ap=0.25D under



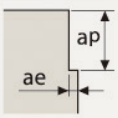
D=3.0mm以下時, ap=0.05D以下
D=3.0mm以上時, ap=0.10D以下
D=3.0mm under, ap=0.05D under
D=3.0mm above, ap=0.10D under

工件硬度 Hardness	~HRC30		HRC30-35		HRC35-40		HRC40-45		HRC50-55	
刃徑 Mill Dia.	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
D1.0	16000	80	9500	50	8600	48	7600	40	3200	16
D2.0	9500	110	5700	70	5100	62	4500	55	1900	23
D3.0	7400	150	4500	95	4000	85	3600	75	1500	31
D4.0	6400	200	3800	120	3400	107	3000	100	1270	40
D5.0	5700	250	3400	150	3100	137	2700	120	1150	51
D6.0	5300	320	3200	190	2900	170	2500	150	1060	64
D8.0	4000	320	2400	190	2200	170	1900	150	800	64
D10.0	3200	320	1900	190	1700	170	1500	150	640	64
D12.0	2600	310	1600	190	1450	170	1300	150	530	64
D16.0	2000	240	1200	145	1100	130	950	115	400	48
D18.0	1800	220	1100	130	1000	120	850	100	350	42
D20.0	1600	190	950	115	860	105	760	90	320	38

側銑 Side Milling



ap=1.5D以下, ae=0.05D以下
ap=1.5D under, ae=0.05D under



ap=1.5D以下, ae=0.025D以下
ap=1.5D under, ae=0.025D under

1. 此切銷條件僅為一般加工參考，因加工機之廠牌不同， 機型不同， 機器剛性與主軸扭力值亦不同，故需視實際加工情況調整之。
2. 在切削中如果產生異常之震動或聲音時，請調降主軸轉速、進給速度與切削量至情況改善為止。
3. 請使用準確性與高剛性之機器與刀把。

1. The milling conditions shown above is just for general guide. When the machine is different, the rigidity and spindle torque is different as well. The millingconditions are always adjusted base on real machining status.
2. Adjust milling condition when unusual vibration and sound occur by cutting.
3. Use highly rigid and precise machine and holder.

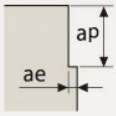
JCS4 / JHS4 / ACS4 四刃平刀

標準切削條件表

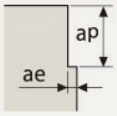
被切削材 Work Material	鐵材・碳素鋼・鑄鐵 合金鋼・工具鋼 模具鋼, SS41, S45C, FC FCD, SCr, SCM, SNCM, SK, SKD, PDS, YK30	合金鋼・碳素鋼 模具鋼・熱處理鋼 SCr, SCM, SNC, SNCM SKD, NAK101 PDS5, P20	合金鋼・工具鋼 不鏽鋼・模具鋼 熱處理鋼, SCr, SCM, SNC, SNCM, SKD, NAK P20S, FDAC, SUS	熱處理鋼 鈦合金 Hardened Steels Titanium Alloys	熱處理鋼 鎳基合金 Hardened Steels Nickel Alloys

工件硬度 Hardness	~HRC30		HRC30-35		HRC35-40		HRC40-45		HRC50-55	
刃徑 Mill Dia.	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
D3.0	7400	220	4500	140	4000	130	3600	110	1500	45
D4.0	6400	370	3800	180	3400	160	3000	150	1270	60
D5.0	5700	370	3400	220	3000	200	2700	180	1150	76
D6.0	5300	480	3200	290	2900	260	2500	220	1060	96
D8.0	4000	480	2400	290	2200	260	1900	220	800	96
D10.0	3200	480	1900	290	1650	260	1500	220	640	96
D12.0	2600	460	1600	290	1450	260	1300	220	530	96
D16.0	2000	360	1200	220	1080	200	950	170	400	72
D18.0	1800	330	1050	195	950	180	850	150	350	63
D20.0	1600	290	950	170	850	150	760	135	320	57

側銑 Side Milling



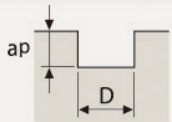
ap=1.5D以下,ae=0.1D以下
ap=1.5D under,ae=0.1D under



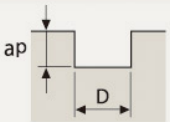
ap=1D以下,ae=0.05D以下
ap-1D under, ae=0.05D under

工件硬度 Hardness	~HRC30		HRC30-35		HRC35-40		HRC40-45		HRC50-55	
刃徑 Mill Dia.	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
D3.0	7400	176	4500	110	4000	104	3600	90	1500	37
D4.0	6400	300	3800	145	3400	130	3000	120	1270	48
D5.0	5700	300	3400	180	3000	160	2700	145	1150	60
D6.0	5300	380	3200	230	2900	210	2500	180	1060	75
D8.0	4000	380	2400	230	2200	210	1900	180	800	75
D10.0	3200	380	1900	230	1650	210	1500	180	640	75
D12.0	2600	370	1600	230	1450	210	1300	180	530	75
D16.0	2000	290	1200	180	1080	160	950	140	400	57
D18.0	1800	260	1050	160	950	145	850	120	350	50
D20.0	1600	230	950	140	850	120	760	110	320	45

溝銑 Slot Milling



ap=0.25D以下
ap=0.25D under



ap=0.10D以下
ap=0.10D under

1. 此切銷條件僅為一般加工參考，因加工機之廠牌不同， 機型不同， 機器剛性與主軸扭力值亦不同，故需視實際加工情況調整之。
2. 在切削中如果產生異常之震動或聲音時，請調降主軸轉速、進給速度與切削量至情況改善為止。
3. 請使用準確性與高剛性之機器與刀把。

1. The milling conditions shown above is just for general guide. When the machine is different, the rigidity and spindle torque is different as well. The millingconditions are always adjusted base on real machining status.
2. Adjust milling condition when unusual vibration and sound occur by cutting.
3. Use highly rigid and precise machine and holder.

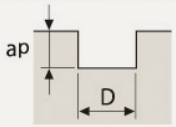
JCSL2 / ACSL2 二刃長柄平刀

標準切削條件表

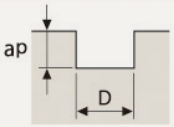
被切削材 Work Material	鐵材・碳素鋼・鑄鐵 合金鋼・工具鋼 模具鋼, SS41, S45C, FC FCD, SCr, SCM, SNCM, SK, SKD, PDS, YK30	合金鋼・碳素鋼 模具鋼・熱處理鋼 SCr, SCM, SNC, SNCM SKD, NAK101 PDS5, P20	合金鋼・工具鋼 不鏽鋼・模具鋼 熱處理鋼, SCr, SCM, SNC, SNCM, SKD, NAK P20S, FDAC, SUS	熱處理鋼 鈦合金 Hardened Steels Titanium Alloys	熱處理鋼 鎳基合金 Hardened Steels Nickel Alloys

工件硬度 Hardness	~HRC30		HRC30-35		HRC35-40		HRC40-45		HRC50-55	
刃徑 Mill Dia.	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
D2.0	9500	88	5700	56	5100	50	4500	44	1900	19
D3.0	7400	120	4500	76	4000	68	3600	60	1500	25
D4.0	6400	160	3800	96	3400	86	3000	80	1270	32
D5.0	5700	200	3400	120	3100	110	2700	96	1150	40
D6.0	5300	256	3200	152	2900	136	2500	120	1060	50
D8.0	4000	256	2400	152	2200	136	1900	120	800	50
D10.0	3200	256	1900	152	1700	136	1500	120	640	50
D12.0	2600	250	1600	152	1450	136	1300	120	530	50
D16.0	2000	192	1200	116	1100	104	950	92	400	38
D18.0	1800	176	1100	104	1000	94	850	80	350	33
D20.0	1600	152	950	92	860	83	760	72	320	30

溝銑 Slot Milling



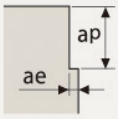
D=3.0mm以下時,ap=0.15D以下
D=3.0mm以上時,ap=0.25D以下
D=3.0mm under, ap=0.15D under
D=3.0mm above ,ap=0.25D under



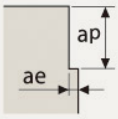
D=3.0mm以下時,ap=0.05D以下
D=3.0mm以上時,ap=0.10D以下
D=3.0mm under, ap=0.05D under
D=3.0mm above ,ap=0.10D under

工件硬度 Hardness	~HRC30		HRC30-35		HRC35-40		HRC40-45		HRC50-55	
刃徑 Mill Dia.	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
D2.0	9500	110	5700	70	5100	62	4500	55	1900	23
D3.0	7400	150	4500	95	4000	85	3600	75	1500	31
D4.0	6400	200	3800	120	3400	107	3000	100	1270	40
D5.0	5700	250	3400	150	3100	137	2700	120	1150	51
D6.0	5300	320	3200	190	2900	170	2500	150	1060	64
D8.0	4000	320	2400	190	2200	170	1900	150	800	64
D10.0	3200	320	1900	190	1700	170	1500	150	640	64
D12.0	2600	310	1600	190	1450	170	1300	150	530	64
D16.0	2000	240	1200	145	1100	130	950	115	400	48
D18.0	1800	220	1100	130	1000	120	850	100	350	42
D20.0	1600	190	950	115	860	105	760	90	320	38

側銑 Side Milling



ap=1.5D以下,ae=0.05D以下
ap=1.5D under,ae=0.05D under



ap=1.5D以下,ae=0.025D以下
ap=1.5D under,ae=0.025D under

1. 此切銷條件僅為一般加工參考，因加工機之廠牌不同， 機型不同， 機器剛性與主軸扭力值亦不同，故需視實際加工情況調整之。
2. 在切削中如果產生異常之震動或聲音時，請調降主軸轉速、進給速度與切削量至情況改善為止。
3. 請使用準確性與高剛性之機器與刀把。

1. The milling conditions shown above is just for general guide. When the machine is different, the rigidity and spindle torque is different as well. The millingconditions are always adjusted base on real machining status.
2. Adjust milling condition when unusual vibration and sound occur by cutting.
3. Use highly rigid and precise machine and holder.

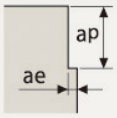
JCSL4 / ACSL4 四刃長柄平刀

標準切削條件表

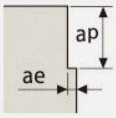
被切削材 Work Material	鐵材・碳素鋼・鑄鐵 合金鋼・工具鋼 模具鋼, SS41, S45C, FC FCD, SCr, SCM, SNCM, SK, SKD, PDS, YK30	合金鋼・碳素鋼 模具鋼・熱處理鋼 SCr, SCM, SNC, SNCM SKD, NAK101 PDS5, P20	合金鋼・工具鋼 不鏽鋼・模具鋼 熱處理鋼, SCr, SCM, SNC, SNCM, SKD, NAK P20S, FDAC, SUS	熱處理鋼 鈦合金 Hardened Steels Titanium Alloys	熱處理鋼 鎳基合金 Hardened Steels Nickel Alloys

工件硬度 Hardness	~HRC30		HRC30-35		HRC35-40		HRC40-45		HRC50-55	
刃徑 Mill Dia.	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
D3.0	7400	220	4500	140	4000	130	3600	110	1500	45
D4.0	6400	370	3800	180	3400	160	3000	150	1270	60
D5.0	5700	370	3400	220	3000	200	2700	180	1150	76
D6.0	5300	480	3200	290	2900	260	2500	220	1060	96
D8.0	4000	480	2400	290	2200	260	1900	220	800	96
D10.0	3200	480	1900	290	1650	260	1500	220	640	96
D12.0	2600	460	1600	290	1450	260	1300	220	530	96
D16.0	2000	360	1200	220	1080	200	950	170	400	72
D18.0	1800	330	1050	195	950	180	850	150	350	63
D20.0	1600	290	950	170	850	150	760	135	320	57

側銑 Side Milling



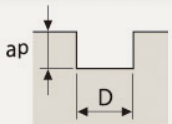
ap=1.5D以下,ae=0.1D以下
ap=1.5D under,ae=0.1D under



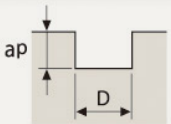
ap=1D以下,ae=0.05D以下
ap-1D under, ae=0.05D under

工件硬度 Hardness	~HRC30		HRC30-35		HRC35-40		HRC40-45		HRC50-55	
刃徑 Mill Dia.	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
D3.0	7400	176	4500	110	4000	104	3600	90	1500	37
D4.0	6400	300	3800	145	3400	130	3000	120	1270	48
D5.0	5700	300	3400	180	3000	160	2700	145	1150	60
D6.0	5300	380	3200	230	2900	210	2500	180	1060	75
D8.0	4000	380	2400	230	2200	210	1900	180	800	75
D10.0	3200	380	1900	230	1650	210	1500	180	640	75
D12.0	2600	370	1600	230	1450	210	1300	180	530	75
D16.0	2000	290	1200	180	1080	160	950	140	400	57
D18.0	1800	260	1050	160	950	145	850	120	350	50
D20.0	1600	230	950	140	850	120	760	110	320	45

溝銑 Slot Milling



ap=0.25D以下
ap=0.25D under



ap=0.10D以下
ap=0.10D under

1. 此切銷條件僅為一般加工參考，因加工機之廠牌不同， 機型不同， 機器剛性與主軸扭力值亦不同，故需視實際加工情況調整之。
2. 在切削中如果產生異常之震動或聲音時，請調降主軸轉速、進給速度與切削量至情況改善為止。
3. 請使用準確性與高剛性之機器與刀把。

1. The milling conditions shown above is just for general guide. When the machine is different, the rigidity and spindle torque is different as well. The millingconditions are always adjusted base on real machining status.
2. Adjust milling condition when unusual vibration and sound occur by cutting.
3. Use highly rigid and precise machine and holder.

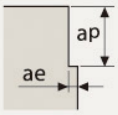
JCSLL2 / ACSLL2 二刃長刃長柄

標準切削條件表

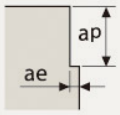
被切削材 Work Material	鐵材・碳素鋼・鑄鐵 合金鋼・工具鋼 模具鋼, SS41, S45C, FC FCD, SCr, SCM, SNCM, SK, SKD, PDS, YK30	合金鋼・碳素鋼 模具鋼・熱處理鋼 SCr, SCM, SNC, SNCM SKD, NAK101 PDS5, P20	合金鋼・工具鋼 不鏽鋼・模具鋼 熱處理鋼, SCr, SCM, SNC, SNCM, SKD, NAK P20S, FDAC, SUS	熱處理鋼 鈦合金 Hardened Steels Titanium Alloys	熱處理鋼 鎳基合金 Hardened Steels Nickel Alloys

工件硬度 Hardness	~HRC30		HRC30-35		HRC35-40		HRC40-45		HRC50-55	
刃徑 Mill Dia.	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
D2.0	4800	44	2850	28	2250	22	1650	16	950	10
D3.0	3700	60	2250	40	2000	34	1800	30	750	13
D4.0	3200	80	1900	50	1700	43	1500	40	620	16
D5.0	2850	100	1700	70	1550	55	1350	48	570	20
D6.0	2650	128	1600	76	1450	68	1250	60	530	25
D8.0	2000	128	1200	76	1100	68	950	60	400	25
D10.0	1600	128	950	76	850	68	750	60	320	25
D12.0	1300	124	800	76	720	68	650	60	260	25
D16.0	1000	96	600	58	550	52	470	46	200	19
D18.0	900	88	550	52	500	48	430	40	170	16
D20.0	800	76	475	46	430	42	380	36	160	15

側銑 Side Milling



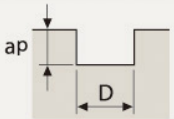
ap=2.5D以下,ae=0.025D以下(最大0.5mm)
ap=2.5D under,ae=0.05D under(max.0.5mm)



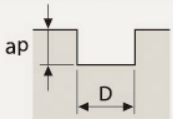
ap=2D以下,ae=0.015D以下(最大0.3mm)
ap=2D under,ae=0.015D under(max.0.3mm)

工件硬度 Hardness	~HRC30		HRC30-35		HRC35-40		HRC40-45		HRC50-55	
刃徑 Mill Dia.	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
D2.0	4800	35	2850	22	2250	18	1650	13	950	8
D3.0	3700	48	2250	32	2000	27	1800	24	750	10
D4.0	3200	64	1900	40	1700	35	1500	32	620	13
D5.0	2850	80	1700	35	1550	44	1350	39	570	16
D6.0	2650	102	1600	61	1450	55	1250	48	530	20
D8.0	2000	102	1200	61	1100	55	950	48	400	20
D10.0	1600	102	950	61	850	55	750	48	320	20
D12.0	1300	100	800	61	720	55	650	48	260	20
D16.0	1000	77	600	46	550	42	470	37	200	15
D18.0	900	70	550	42	500	39	430	32	170	13
D20.0	800	60	475	37	430	34	380	29	160	12

溝銑 Slot Milling



ap=0.15D以下(最大3.0mm)
ap=0.15D under(max.0.3mm)



Dap=0.025D以下(最大3.0mm)
ap=0.025D under(max.0.3mm)

1. 此切銷條件僅為一般加工參考，因加工機之廠牌不同， 機型不同， 機器剛性與主軸扭力值亦不同，故需視實際加工情況調整之。
2. 在切削中如果產生異常之震動或聲音時，請調降主軸轉速、進給速度與切削量至情況改善為止。
3. 請使用準確性與高剛性之機器與刀把。

1. The milling conditions shown above is just for general guide. When the machine is different, the rigidity and spindle torque is different as well. The millingconditions are always adjusted base on real machining status.
2. Adjust milling condition when unusual vibration and sound occur by cutting.
3. Use highly rigid and precise machine and holder.

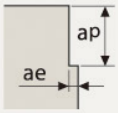
JCSLL4 / ACSLL4 四刃長刃長柄平刀

標準切削條件表

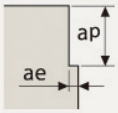
被切削材 Work Material	鐵材・碳素鋼・鑄鐵 合金鋼・工具鋼 模具鋼, SS41, S45C, FC FCD, SCr, SCM, SNCM, SK, SKD, PDS, YK30	合金鋼・碳素鋼 模具鋼・熱處理鋼 SCr, SCM, SNC, SNCM SKD, NAK101 PDS5, P20	合金鋼・工具鋼 不鏽鋼・模具鋼 熱處理鋼, SCr, SCM, SNC, SNCM, SKD, NAK P20S, FDAC, SUS	熱處理鋼 鈦合金 Hardened Steels Titanium Alloys	熱處理鋼 鎳基合金 Hardened Steels Nickel Alloys

工件硬度 Hardness	~HRC30		HRC30-35		HRC35-40		HRC40-45		HRC50-55	
刃徑 Mill Dia.	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
D3.0	3700	88	2250	56	2000	52	1800	45	750	18
D4.0	3200	150	1900	70	1700	64	1500	60	620	24
D5.0	2850	150	1700	88	1550	80	1350	72	560	30
D6.0	2650	190	1600	120	1450	104	1250	88	530	38
D8.0	2000	190	1200	120	1100	104	950	88	400	38
D10.0	1600	190	950	120	850	104	750	88	320	38
D12.0	1300	180	800	120	720	104	650	88	270	38
D16.0	1000	140	600	88	550	80	470	68	200	29
D18.0	900	130	550	80	500	72	430	60	170	25
D20.0	800	120	475	70	430	60	380	55	160	23

側銑 Side Milling



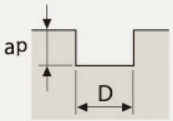
ap=2.5D以下,ae=0.05D以下(最大0.5mm)
ap=2.5D under,ae=0.05D under(max.0.5mm)



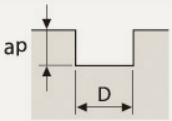
ap=2D以下,ae=0.02D以下(最大0.3mm)
ap=2D under,ae=0.02D under(max.0.3mm)

工件硬度 Hardness	~HRC30		HRC30-35		HRC35-40		HRC40-45		HRC50-55	
刃徑 Mill Dia.	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
D3.0	3700	70	2250	45	2000	42	1800	36	750	15
D4.0	3200	120	1900	56	1700	51	1500	48	630	19
D5.0	2850	120	1700	70	1550	64	1350	58	560	24
D6.0	2650	150	1600	96	1450	83	1250	70	530	30
D8.0	2000	150	1200	96	1100	83	950	70	400	30
D10.0	1600	150	950	96	850	83	750	70	320	30
D12.0	1300	145	800	96	720	83	650	70	270	30
D16.0	1000	110	600	70	550	64	470	55	200	23
D18.0	900	104	550	64	500	58	430	48	170	20
D20.0	800	100	475	56	430	48	380	44	160	19

溝銑 Slot Milling



ap=0.10D以下
ap=0.10D under



ap=0.05D以下(最大0.5mm)
ap=0.05D under(max.0.5mm)

1. 此切銷條件僅為一般加工參考，因加工機之廠牌不同， 機型不同， 機器剛性與主軸扭力值亦不同，故需視實際加工情況調整之。
2. 在切削中如果產生異常之震動或聲音時，請調降主軸轉速、進給速度與切削量至情況改善為止。
3. 請使用準確性與高剛性之機器與刀把。

1. The milling conditions shown above is just for general guide. When the machine is different, the rigidity and spindle torque is different as well. The millingconditions are always adjusted base on real machining status.
2. Adjust milling condition when unusual vibration and sound occur by cutting.
3. Use highly rigid and precise machine and holder.

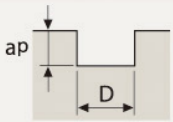
JDS2 / ADS2 二刃長頸平刀

標準切削條件表

被切削材 Work Material	鐵材・碳素鋼・鑄鐵 合金鋼・工具鋼 模具鋼, SS41, S45C, FC FCD, SCr, SCM, SNCM, SK, SKD, PDS, YK30	合金鋼・碳素鋼 模具鋼・熱處理鋼 SCr, SCM, SNC, SNCM SKD, NAK101 PDS5, P20	合金鋼・工具鋼 不鏽鋼・模具鋼 熱處理鋼, SCr, SCM, SNC, SNCM, SKD, NAK P20S, FDAC, SUS	熱處理鋼 Hardened Steels

工件硬度 Hardness			~HRC30		HRC30-35		HRC35-40		HRC40-45	
刃徑 Mill Dia.	有效長 Length under shank	ap	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
D1.0	M6.0	0.03-0.06	16000	320-420	12800	260-340	10200	210-270	8200	170-220
D1.0	M10.0	0.02-0.03	12800	260-340	10200	200-260	8200	160-210	6600	130-170
D1.5	M8.0	0.06-0.12	10600	320-420	8500	260-340	6800	210-270	5400	170-220
D1.5	M16.0	0.02-0.03	8500	260-340	6800	200-260	5500	160-210	4400	130-170
D2.0	M8.0	0.07-0.14	8000	320-420	6400	260-340	5200	210-270	4200	170-220
D2.0	M16.0	0.04-0.08	6400	260-340	5200	200-260	4200	160-210	3400	130-170
D2.0	M20.0	0.02-0.04	4800	210-280	3800	150-200	3100	120-160	2500	100-130
D2.5	M12.0	0.10-0.20	6400	320-420	5200	260-340	4200	210-270	3400	170-220
D2.5	M20.0	0.07-0.14	5200	260-340	4200	200-260	3400	160-210	2700	130-170
D3.0	M12.0	0.12-0.24	5300	320-420	4200	260-340	3400	210-270	2700	170-220
D3.0	M20.0	0.07-0.12	4200	260-340	3400	200-260	2700	160-210	2200	130-170
D4.0	M20.0	0.16-0.32	4000	320-420	3200	260-340	2600	210-270	2100	170-220
D4.0	M30.0	0.10-0.20	3200	260-340	2600	200-260	2100	160-210	1700	130-170

溝銑 Slot Milling



1. 此切銷條件僅為一般加工參考，因加工機之廠牌不同， 機型不同， 機器剛性與主軸扭力值亦不同，故需視實際加工情況調整之。
2. 在切削中如果產生異常之震動或聲音時，請調降主軸轉速、進給速度與切削量至情況改善為止。
3. 請使用準確性與高剛性之機器與刀把。

1. The milling conditions shown above is just for general guide. When the machine is different, the rigidity and spindle torque is different as well. The millingconditions are always adjusted base on real machining status.
2. Adjust milling condition when unusual vibration and sound occur by cutting.
3. Use highly rigid and precise machine and holder.

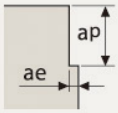
JHS3 45度 三刃平刀

標準切削條件表

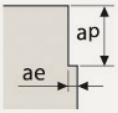
被切削材 Work Material	鐵材・碳素鋼・鑄鐵 合金鋼・工具鋼 模具鋼, SS41, S45C, FC FCD, SCr, SCM, SNCM, SK, SKD, PDS, YK30	合金鋼・碳素鋼 模具鋼・熱處理鋼 SCr, SCM, SNC, SNCM SKD, NAK101 PDS5, P20	合金鋼・工具鋼 不鏽鋼・模具鋼 熱處理鋼, SCr, SCM, SNC, SNCM, SKD, NAK P20S, FDAC, SUS	熱處理鋼 鈦合金 Hardened Steels Titanium Alloys	熱處理鋼 鎳基合金 Hardened Steels Nickel Alloys

工件硬度 Hardness	~HRC30		HRC30-35		HRC35-40		HRC40-45		HRC50-55	
刃徑 Mill Dia.	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
D3.0	7400	180	4500	115	4000	100	3600	90	1500	38
D4.0	6400	240	3800	145	3400	130	3000	120	1270	48
D5.0	5700	300	3400	180	3100	165	2700	145	1150	60
D6.0	5300	380	3200	230	2900	200	2500	180	1060	75
D8.0	4000	380	2400	230	2200	200	1900	180	800	75
D10.0	3200	380	1900	230	1700	200	1500	180	640	75
D12.0	2600	380	1600	230	1450	200	1300	180	530	75
D16.0	2000	290	1200	170	1100	155	950	140	400	57

側銑 Side Milling



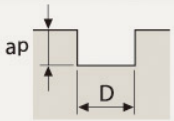
ap=1.5D以下,ae=0.2D以下
ap=1.5D under,ae=0.2D under



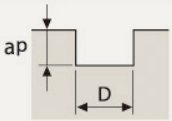
ap=1D以下,ae=0.05D以下
ap=1D under,ae=0.05D under

工件硬度 Hardness	~HRC30		HRC30-35		HRC35-40		HRC40-45		HRC50-55	
刃徑 Mill Dia.	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
D3.0	7400	180	4500	115	4000	100	3600	90	1500	38
D4.0	6400	240	3800	145	3400	130	3000	120	1270	48
D5.0	5700	300	3400	180	3100	165	2700	145	1150	60
D6.0	5300	380	3200	230	2900	200	2500	180	1060	75
D8.0	4000	380	2400	230	2200	200	1900	180	800	75
D10.0	3200	380	1900	230	1700	200	1500	180	640	75
D12.0	2600	380	1600	230	1450	200	1300	180	530	75
D16.0	2000	290	1200	170	1100	155	950	140	400	57

溝銑 Slot Milling



ap=0.25D以下
ap=0.25D under



ap= 0.10D 以下
ap= 0.10D under

1. 此切銷條件僅為一般加工參考，因加工機之廠牌不同， 機型不同， 機器剛性與主軸扭力值亦不同，故需視實際加工情況調整之。
2. 在切削中如果產生異常之震動或聲音時，請調降主軸轉速、進給速度與切削量至情況改善為止。
3. 請使用準確性與高剛性之機器與刀把。

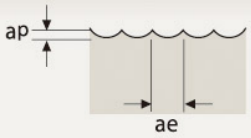
1. The milling conditions shown above is just for general guide. When the machine is different, the rigidity and spindle torque is different as well. The millingconditions are always adjusted base on real machining status.
2. Adjust milling condition when unusual vibration and sound occur by cutting.
3. Use highly rigid and precise machine and holder.

JBS2 / ABS2 二刃球刀

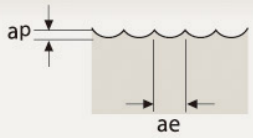
標準切削條件表

被切削材 Work Material	鐵材・碳素鋼・鑄鐵 合金鋼・工具鋼 模具鋼, SS41, S45C, FC FCD, SCr, SCM, SNCM, SK, SKD, PDS, YK30	合金鋼・碳素鋼 模具鋼・熱處理鋼 SCr, SCM, SNC, SNCM SKD, NAK101 PDS5, P20	熱處理鋼 Hardened Steels

工件硬度 Hardness	~HRC30				HRC30-45				HRC45-50			
	溝銑 Slot Milling		曲面切削 3D Milling		溝銑 Slot Milling		曲面切削 3D Milling		溝銑 Slot Milling		曲面切削 3D Milling	
刃徑 Mill Dia.	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
R0.5	45000	880	31000	620	35700	570	25000	400	19000	210	13300	150
R1.0	22000	880	15500	620	17800	570	12500	400	9500	210	6600	150
R1.5	15000	900	10600	630	12100	570	8500	400	6400	210	4500	150
R2.0	11400	900	8000	630	9100	640	6400	450	4800	270	3400	190
R2.5	9100	900	6400	630	7100	640	5000	450	3800	290	2700	200
R3.0	7600	960	5300	670	6000	670	4200	470	3200	300	2200	210
R4.0	5700	1140	4000	800	4600	790	3200	550	2300	320	1600	220
R5.0	4600	1070	3200	750	3600	740	2500	520	1900	330	1300	230
R6.0	3900	1000	2700	700	3000	700	2100	490	1600	310	1100	220
R8.0	2900	930	2000	650	2300	670	1600	470	1100	270	770	190
R10.0	2300	810	1600	570	1900	640	1300	450	950	250	660	180



ae=0.06R以下, ap=0.2R以下
ae=0.06R under, ap=0.2R under



ae=0.03R以下, ap=0.05R以下
ae=0.03R under, ap=0.05R under

1. 此切銷條件僅為一般加工參考，因加工機之廠牌不同， 機型不同， 機器剛性與主軸扭力值亦不同，故需視實際加工情況調整之。
2. 在切削中如果產生異常之震動或聲音時，請調降主軸轉速、進給速度與切削量至情況改善為止。
3. 請使用準確性與高剛性之機器與刀把。

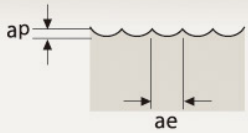
1. The milling conditions shown above is just for general guide. When the machine is different, the rigidity and spindle torque is different as well. The millingconditions are always adjusted base on real machining status.
2. Adjust milling condition when unusual vibration and sound occur by cutting.
3. Use highly rigid and precise machine and holder.

JBS4 四刃球刀

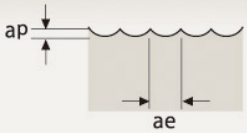
標準切削條件表

被切削材 Work Material	鐵材・碳素鋼・鑄鐵 合金鋼・工具鋼 模具鋼, SS41, S45C, FC FCD, SCr, SCM, SNCM, SK, SKD, PDS, YK30	合金鋼・碳素鋼 模具鋼・熱處理鋼 SCr, SCM, SNC, SNCM SKD, NAK101 PDS5, P20	熱處理鋼 Hardened Steels

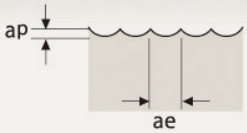
工件硬度 Hardness	~HRC30				HRC30-45				HRC45-50			
	溝銑 Slot Milling		曲面切削 3D Milling		溝銑 Slot Milling		曲面切削 3D Milling		溝銑 Slot Milling		曲面切削 3D Milling	
刃徑 Mill Dia.	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
R3.0	7600	960	5300	670	6000	670	4200	470	3200	300	2200	210
R4.0	5700	1140	4000	800	4600	790	3200	550	2300	320	1600	220
R5.0	4600	1070	3200	750	3600	740	2500	520	1900	330	1330	230
R6.0	3900	1000	2700	700	3000	700	2100	490	1600	310	1100	220
R8.0	2900	930	2000	650	2300	670	1600	470	1100	270	770	190



ap=0.1R以下
ae=0.3R以下
ap=0.1R under
ae=0.3R under



ap=0.3R以下
ae=0.1R以下
ap=0.3R under
ae=0.1R under



ap=0.05R以下
ae=0.15R以下
ap=0.05R under
ae=0.15R under

1. 此切銷條件僅為一般加工參考，因加工機之廠牌不同， 機型不同， 機器剛性與主軸扭力值亦不同，故需視實際加工情況調整之。
2. 在切削中如果產生異常之震動或聲音時，請調降主軸轉速、進給速度與切削量至情況改善為止。
3. 請使用準確性與高剛性之機器與刀把。

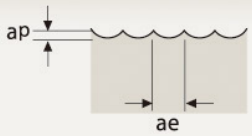
1. The milling conditions shown above is just for general guide. When the machine is different, the rigidity and spindle torque is different as well. The millingconditions are always adjusted base on real machining status.
2. Adjust milling condition when unusual vibration and sound occur by cutting.
3. Use highly rigid and precise machine and holder.

JBSL2 / ABSL2 二刃長柄球刀

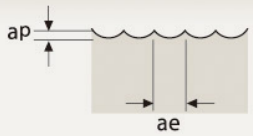
標準切削條件表

被切削材 Work Material	鐵材・碳素鋼・鑄鐵 合金鋼・工具鋼 模具鋼, SS41, S45C, FC FCD, SCr, SCM, SNCM, SK, SKD, PDS, YK30	合金鋼・碳素鋼 模具鋼・熱處理鋼 SCr, SCM, SNC, SNCM SKD, NAK101 PDS5, P20	熱處理鋼 Hardened Steels

工件硬度 Hardness	~HRC30				HRC30-45				HRC45-50			
	溝銑 Slot Milling		曲面切削 3D Milling		溝銑 Slot Milling		曲面切削 3D Milling		溝銑 Slot Milling		曲面切削 3D Milling	
刃徑 Mill Dia.	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
R0.5	45000	880	31000	620	35700	570	25000	400	19000	210	13300	150
R1.0	22000	880	15500	620	17800	570	12500	400	9500	210	6600	150
R1.5	15000	900	10600	630	12100	570	8500	400	6400	210	4500	150
R2.0	11400	900	8000	630	9100	640	6400	450	4800	270	3400	190
R2.5	9100	900	6400	630	7100	640	5000	450	3800	290	2700	200
R3.0	7600	960	5300	670	6000	670	4200	470	3200	300	2200	210
R4.0	5700	1140	4000	800	4600	790	3200	550	2300	320	1600	220
R5.0	4600	1070	3200	750	3600	740	2500	520	1900	330	1300	230
R6.0	3900	1000	2700	700	3000	700	2100	490	1600	310	1100	220
R8.0	2900	930	2000	650	2300	670	1600	470	1100	270	770	190
R10.0	2300	810	1600	570	1900	640	1300	450	950	250	660	180



ae=0.06R以下, 粗銑切削時, ap=0.2R以下
ae=0.06R under, ap=0.2R under



ae=0.03R以下, ap=0.05R以下
ae=0.03R under, ap=0.05R under

1. 此切銷條件僅為一般加工參考，因加工機之廠牌不同， 機型不同， 機器剛性與主軸扭力值亦不同，故需視實際加工情況調整之。
2. 在切削中如果產生異常之震動或聲音時，請調降主軸轉速、進給速度與切削量至情況改善為止。
3. 請使用準確性與高剛性之機器與刀把。

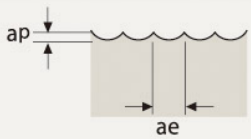
1. The milling conditions shown above is just for general guide. When the machine is different, the rigidity and spindle torque is different as well. The millingconditions are always adjusted base on real machining status.
2. Adjust milling condition when unusual vibration and sound occur by cutting.
3. Use highly rigid and precise machine and holder.

標準切削條件表

被切削材 Work Material	鐵材・碳素鋼・鑄鐵 合金鋼・工具鋼 模具鋼, SS41, S45C, FC FCD, SCr, SCM, SNCM, SK, SKD, PDS, YK30	合金鋼・碳素鋼 模具鋼・熱處理鋼 SCr, SCM, SNC, SNCM SKD, NAK101 PDS5, P20	合金鋼・工具鋼 不鏽鋼・模具鋼 熱處理鋼, SCr, SCM, SNC, SNCM, SKD, NAK P20S, FDAC, SUS

工件硬度 Hardness			~HRC30		HRC30-35		HRC35-40	
刃徑 Mill Dia.	有效長 Length under shank	ap	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
R0.25	0.015	0.025	32000	640	32000	570	32000	510
R0.30	0.018	0.030	32000	690	32000	690	32000	610
R0.35	0.021	0.035	32000	800	32000	800	32000	710
R0.40	0.024	0.040	32000	920	32000	920	32000	810
R0.45	0.027	0.045	32000	1040	32000	1040	32000	900

工件硬度 Hardness			~HRC30		HRC30-38		HRC38-45	
刃徑 Mill Dia.	有效長 Length under shank	ap	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
R0.5	M6.0	0.03-0.06	19000-25000	225-450	17500-22500	170-320	15500-20000	120-240
R0.5	M10.0	0.02-0.03	19000-25000	225-450	17500-22500	170-320	15500-20000	120-240
R0.75	M8.0	0.04-0.09	12500-16500	225-450	12500-16000	170-320	10500-13000	120-240
R0.75	M16.0	0.02-0.04	12500-16500	225-450	12500-16000	170-320	10500-13000	120-240
R1.0	M8.0	0.06-0.12	9500-12500	225-450	8900-11000	170-320	8000-10000	120-240
R1.0	M16.0	0.04-0.08	9500-12500	225-450	8900-11000	170-320	8000-10000	120-240
R1.0	M20.0	0.02-0.06	9500-12500	225-450	8900-11000	170-320	8000-10000	120-240
R1.25	M12.0	0.08-0.15	8000-10500	225-450	7500-8300	170-320	6600-8400	120-240
R1.25	M20.0	0.04-008	8000-10500	225-450	7500-8300	170-320	6000-8400	120-240
R1.5	M12.0	0.09-0.18	6400-8500	225-450	6000-7600	170-320	5300-6600	120-240
R1.5	M20.0	0.08-0.15	6400-8500	225-450	6000-7600	170-320	5300-6600	120-240
R2.0	M20.0	0.12-0.24	4800-6400	225-450	4400-5700	170-320	4000-5000	120-240
R2.0	M30.0	0.10-0.20	4800-6400	225-450	4400-5700	170-320	4000-5000	120-240



1. 此切銷條件僅為一般加工參考，因加工機之廠牌不同， 機型不同， 機器剛性與主軸扭力值亦不同，故需視實際加工情況調整之。
2. 在切削中如果產生異常之震動或聲音時，請調降主軸轉速、進給速度與切削量至情況改善為止。
3. 請使用準確性與高剛性之機器與刀把。

1. The milling conditions shown above is just for general guide. When the machine is different, the rigidity and spindle torque is different as well. The millingconditions are always adjusted base on real machining status.
2. Adjust milling condition when unusual vibration and sound occur by cutting.
3. Use highly rigid and precise machine and holder.

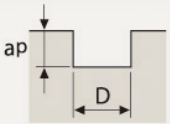
JCR2 / ACR2 二刃圓鼻刀

標準切削條件表

被切削材 Work Material	鐵材・碳素鋼・鑄鐵 合金鋼・工具鋼 模具鋼, SS41, S45C, FC FCD, SCr, SCM, SNCM, SK, SKD, PDS, YK30	合金鋼・碳素鋼 模具鋼・熱處理鋼 SCr, SCM, SNC, SNCM SKD, NAK101 PDS5, P20	合金鋼・工具鋼 不鏽鋼・模具鋼 熱處理鋼, SCr, SCM, SNC, SNCM, SKD, NAK P20S, FDAC, SUS	熱處理鋼 鈦合金 Hardened Steels Titanium Alloys	熱處理鋼 鎳基合金 Hardened Steels Nickel Alloys

工件硬度 Hardness	~HRC30		HRC30-35		HRC35-40		HRC40-45		HRC50-55	
刃徑 Mill Dia.	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
D1.0	16000	64	9500	40	8600	38	7600	36	3200	13
D2.0	9500	88	5700	56	5100	50	4500	44	1900	19
D3.0	7400	120	4500	76	4000	68	3600	60	1500	25
D4.0	6400	160	3800	96	3400	86	3000	80	1270	32
D5.0	5700	200	3400	120	3100	116	2700	96	1150	40
D6.0	5300	256	3200	152	2900	136	2500	120	2000	100
D8.0	4000	256	2400	152	2200	136	1900	120	1500	100
D10.0	3200	256	1900	152	1700	136	1500	120	1200	100
D12.0	2600	250	1600	130	1450	120	1300	104	1050	85

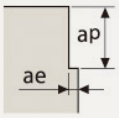
溝銑 Slot Milling



ap=0.25D以下
ap=0.25D under

工件硬度 Hardness	~HRC30		HRC30-35		HRC35-40		HRC40-45		HRC50-55	
刃徑 Mill Dia.	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
D1.0	16000	80	9500	50	8600	48	7600	40	3200	16
D2.0	9500	110	5700	70	5100	62	4500	55	1900	23
D3.0	7400	150	4500	95	4000	85	3600	75	1500	31
D4.0	6400	200	3800	120	3400	107	3000	100	1270	40
D5.0	5700	250	3400	150	3100	137	2700	120	1150	51
D6.0	5300	320	3200	190	2900	170	2500	150	2000	120
D8.0	4000	326	2400	190	2200	170	1900	150	1500	120
D10.0	3200	320	1900	190	1700	170	1500	150	1200	120
D12.0	2600	310	1600	160	1450	145	1300	130	1050	105

側銑 Side Milling



ap=1.5D以下,ae=0.05D以下
ap=1.5D under,ae=0.05D under

1. 此切銷條件僅為一般加工參考，因加工機之廠牌不同， 機型不同， 機器剛性與主軸扭力值亦不同，故需視實際加工情況調整之。
2. 在切削中如果產生異常之震動或聲音時，請調降主軸轉速、進給速度與切削量至情況改善為止。
3. 請使用準確性與高剛性之機器與刀把。

1. The milling conditions shown above is just for general guide. When the machine is different, the rigidity and spindle torque is different as well. The millingconditions are always adjusted base on real machining status.
2. Adjust milling condition when unusual vibration and sound occur by cutting.
3. Use highly rigid and precise machine and holder.

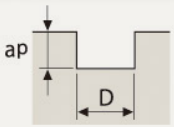
JCR4 / ACR4 四刃圓鼻刀

標準切削條件表

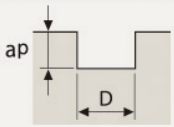
被切削材 Work Material	鐵材・碳素鋼・鑄鐵 合金鋼・工具鋼 模具鋼, SS41, S45C, FC FCD, SCr, SCM, SNCM, SK, SKD, PDS, YK30	合金鋼・碳素鋼 模具鋼・熱處理鋼 SCr, SCM, SNC, SNCM SKD, NAK101 PDS5, P20	合金鋼・工具鋼 不鏽鋼・模具鋼 熱處理鋼, SCr, SCM, SNC, SNCM, SKD, NAK P20S, FDAC, SUS	熱處理鋼 鈦合金 Hardened Steels Titanium Alloys	熱處理鋼 鎳基合金 Hardened Steels Nickel Alloys

工件硬度 Hardness	~HRC30		HRC30-35		HRC35-40		HRC40-45		HRC50-55	
刃徑 Mill Dia.	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
D6.0	6400	570	6400	460	4100	370	3200	290	1600	145
D8.0	4800	570	4800	460	3100	370	2400	290	1200	145
D10.0	3800	570	3800	460	2400	370	2000	290	1000	145
D12.0	3200	480	3200	380	2100	310	1600	240	800	120

溝銑 Slot Milling



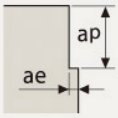
ap=0.25D以下
ap=0.25D under



ap=0.1D以下
ap=0.1D under

工件硬度 Hardness	~HRC30		HRC30-35		HRC35-40		HRC40-45		HRC50-55	
刃徑 Mill Dia.	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
D6.0	8000	950	6400	760	5100	600	4000	490	2000	240
D8.0	6000	950	4800	760	3850	600	3000	490	1500	240
D10.0	4800	950	3800	760	3000	600	2400	490	1200	240
D12.0	4000	800	3200	640	2600	500	2000	410	1000	200

側銑 Side Milling



ap=1.5D以下,ae=0.1D以下
ap=1.5D under ,ae=0.1D under

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2. 在切削中如果產生異常之震動或聲音時，請調降主軸轉速、進給速度與切削量至情況改善為止。
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3. Use highly rigid and precise machine and holder.

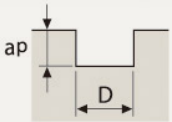
JCRL4 / ACRL4 四刃長柄圓鼻刀

標準切削條件表

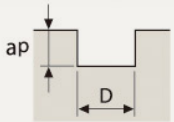
被切削材 Work Material	鐵材・碳素鋼・鑄鐵 合金鋼・工具鋼 模具鋼, SS41, S45C, FC FCD, SCr, SCM, SNCM, SK, SKD, PDS, YK30	合金鋼・碳素鋼 模具鋼・熱處理鋼 SCr, SCM, SNC, SNCM SKD, NAK101 PDS5, P20	合金鋼・工具鋼 不鏽鋼・模具鋼 熱處理鋼, SCr, SCM, SNC, SNCM, SKD, NAK P20S, FDAC, SUS	熱處理鋼 鈦合金 Hardened Steels Titanium Alloys	熱處理鋼 鎳基合金 Hardened Steels Nickel Alloys

工件硬度 Hardness	~HRC30		HRC30-35		HRC35-40		HRC40-45		HRC50-55	
刃徑 Mill Dia.	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
D6.0	6400	570	6400	460	4100	370	3200	290	1600	145
D8.0	4800	570	4800	460	3100	370	2400	290	1200	145
D10.0	3800	570	3800	460	2400	370	2000	290	1000	145
D12.0	3200	480	3200	380	2100	310	1600	240	800	120

溝銑 Slot Milling



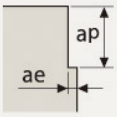
ap=0.25D以下
ap=0.25D under



ap=0.1D以下
ap=0.1D under

工件硬度 Hardness	~HRC30		HRC30-35		HRC35-40		HRC40-45		HRC50-55	
刃徑 Mill Dia.	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min	轉速 Rotation R.P.M	進給 Feed mm/min
D6.0	8000	950	6400	760	5100	600	4000	490	2000	240
D8.0	6000	950	4800	760	3850	600	3000	490	1500	240
D10.0	4750	950	3800	760	3000	600	2400	490	1200	240
D12.0	4000	800	3200	640	2600	500	2000	410	1000	200

側銑 Side Milling



ap=1.0D以下,ae=0.05D以下
ap=1.0D under ,ae=0.05D under

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鎢鋼銑刀柄短刃鑽頭(白刀)　頂角140°

(m/m/元/支)

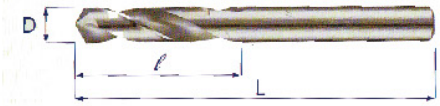
刃徑	溝長	全長	柄徑	單價
D	ℓ	L	d	NT
1.0	6	26	3	200
1.1	7	28	3	200
1.2	8	30	3	200
1.3	8	30	3	200
1.4	9	32	3	200
1.5	9	32	3	200
1.6	10	34	3	200
1.7	10	34	3	200
1.8	11	36	3	200
1.9	11	36	3	200
2.0	12	38	3	240
2.1	12	38	3	240
2.2	13	50	3	240
2.3	13	50	3	240
2.4	14	50	3	240
2.5	14	50	3	240
2.6	14	50	3	240
2.7	16	50	3	250
2.8	16	50	3	250
2.9	16	50	3	250
3.0	16	50	3	220
3.1	18	50	4	300
3.2	18	50	4	300
3.3	18	50	4	300
3.4	20	50	4	300
3.5	20	50	4	300

刃徑	溝長	全長	柄徑	單價
D	ℓ	L	d	NT
3.6	20	60	4	340
3.7	20	60	4	340
3.8	22	60	4	340
3.9	22	60	4	340
4.0	22	60	4	300
4.1	22	60	5	430
4.2	22	60	5	430
4.3	24	60	5	430
4.4	24	60	5	430
4.5	24	60	5	430
4.6	24	60	5	460
4.7	24	60	5	460
4.8	26	60	5	460
4.9	26	60	5	460
5.0	26	60	5	410
5.1	26	65	6	600
5.2	26	65	6	600
5.3	26	65	6	600
5.4	28	65	6	600
5.5	28	65	6	600
5.6	28	65	6	680
5.7	28	65	6	680
5.8	28	65	6	680
5.9	28	65	6	680
6.0	28	65	6	600

＊非標準品，另行報價(訂製品)

鎢鋼直柄短刃鑽頭 DIN（同柄徑） h6

1.0~6.0 120°
6.1~13.0 140°



（m/m/元/支）

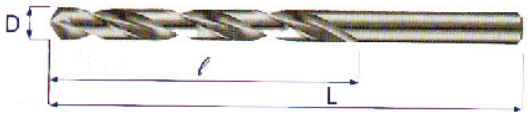
直徑 D	全長 L	溝長 ℓ	單價 NT
1.0	26	6	160
1.1	28	7	180
1.2	30	8	
1.3	30	8	
1.4	32	9	
1.5	32	9	
1.6	34	10	
1.7	34	10	
1.8	36	11	
1.9	36	11	
2.0	38	12	200
2.1	38	12	
2.2	40	13	
2.3	40	13	
2.4	43	14	
2.5	43	14	
2.6	43	14	
2.7	46	16	220
2.8	46	16	
2.9	46	16	
3.0	46	16	
3.1	49	18	270
3.2	49	18	
3.3	49	18	
3.4	52	20	
3.5	52	20	
3.6	52	20	300
3.7	52	20	
3.8	55	22	
3.9	55	22	
4.0	55	22	
4.1	55	22	380
4.2	55	22	
4.3	58	24	
4.4	58	24	
4.5	58	24	
4.6	58	24	410
4.7	58	24	
4.8	62	26	
4.9	62	26	
5.0	62	26	

直徑 D	全長 L	溝長 ℓ	單價
5.1	62	26	530
5.2	62	26	
5.3	62	26	
5.4	66	28	
5.5	66	28	
5.6	66	28	600
5.7	66	28	
5.8	66	28	
5.9	66	28	
6.0	66	28	
6.1	70	31	700
6.2	70	31	
6.3	70	31	
6.4	70	31	
6.5	70	31	
6.6	70	31	780
6.7	70	31	
6.8	74	34	
6.9	74	34	
7.0	74	34	
7.1	74	34	860
7.2	74	34	
7.3	74	34	
7.4	74	34	
7.5	74	34	
7.6	79	37	1000
7.7	79	37	
7.8	79	37	
7.9	79	37	
8.0	79	37	
8.1	79	37	1200
8.2	79	37	
8.3	79	37	
8.4	79	37	
8.5	79	37	
8.6	84	40	1400
8.7	84	40	
8.8	84	40	
8.9	84	40	
9.0	84	40	

直徑 D	全長 L	溝長 ℓ	單價 NT
9.1	84	40	1500
9.2	84	40	
9.3	84	40	
9.4	84	40	
9.5	84	40	
9.6	89	43	1600
9.7	89	43	
9.8	89	43	
9.9	89	43	
10.0	89	43	
10.1	89	43	1700
10.2	89	43	
10.3	89	43	
10.4	89	43	
10.5	89	43	
10.6	89	43	1800
10.7	95	47	
10.8	95	47	
10.9	95	47	
11.0	95	47	
11.1	95	47	1900
11.2	95	47	
11.3	95	47	
11.4	95	47	
11.5	95	47	
11.6	95	47	2100
11.7	95	47	
11.8	95	47	
11.9	102	51	
12.0	102	51	
12.1	102	51	2300
12.2	102	51	
12.3	102	51	
12.4	102	51	
12.5	102	51	
12.6	102	51	2400
12.7	102	51	
12.8	102	51	
12.9	102	51	
13.0	102	51	

＊非標準品，另行報價(訂製品)

鎢鋼直柄標準長鑽頭(同柄徑) h6



(m/m/元/支)

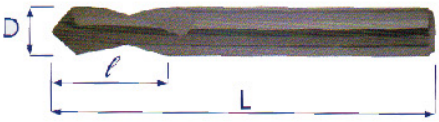
直徑 D	全長 L	溝長 ℓ	單價 NT
1.0	34	12	220
1.1	36	12	
1.2	38	16	
1.3	38	16	
1.4	40	18	
1.5	40	18	
1.6	43	20	240
1.7	43	20	
1.8	46	22	
1.9	46	22	
2.0	49	24	
2.1	49	24	300
2.2	53	27	
2.3	53	27	
2.4	57	30	
2.5	57	30	
2.6	57	30	
2.7	61	33	360
2.8	61	33	
2.9	61	33	
3.0	61	33	
3.1	65	36	440
3.2	65	36	
3.3	65	36	
3.4	70	39	
3.5	70	39	
3.6	70	39	500
3.7	70	39	
3.8	75	43	
3.9	75	43	
4.0	75	43	
4.1	75	43	600
4.2	75	43	
4.3	80	47	
4.4	80	47	
4.5	80	47	
4.6	80	47	660
4.7	80	47	
4.8	86	52	
4.9	86	52	
5.0	86	52	

直徑 D	全長 L	溝長 ℓ	單價
5.1	86	52	840
5.2	86	52	
5.3	93	52	
5.4	93	57	
5.5	93	57	
5.6	93	57	900
5.7	93	57	
5.8	93	57	
5.9	93	57	
6.0	93	57	
6.1	101	63	1100
6.2	101	63	
6.3	101	63	
6.4	101	63	
6.5	101	63	
6.6	101	63	1300
6.7	101	63	
6.8	101	69	
6.9	109	69	
7.0	109	69	
7.1	109	69	1400
7.2	109	69	
7.3	109	69	
7.4	109	69	
7.5	109	69	
7.6	117	75	1600
7.7	117	75	
7.8	117	75	
7.9	117	75	
8.0	117	75	
8.1	117	75	1800
8.2	117	75	
8.3	117	75	
8.4	117	75	
8.5	117	75	
8.6	125	75	2000
8.7	125	75	
8.8	125	75	
8.9	125	75	
9.0	125	75	

直徑 D	全長 L	溝長 ℓ	單價 NT
9.1	125	75	2300
9.2	125	75	
9.3	125	75	
9.4	125	75	
9.5	125	75	
9.6	133	80	2500
9.7	133	80	
9.8	133	80	
9.9	133	80	
10.0	133	80	
10.1	133	80	2900
10.2	133	80	
10.3	133	80	
10.4	133	80	
10.5	133	80	
10.6	133	80	3100
10.7	142	80	
10.8	142	80	
10.9	142	80	
11.0	142	80	
11.1	142	80	3300
11.2	142	80	
11.3	142	80	
11.4	142	80	
11.5	142	80	
11.6	142	80	3500
11.7	142	80	
11.8	142	80	
11.9	151	80	
12.0	151	80	
12.1	151	80	4000
12.2	151	80	
12.3	151	80	
12.4	151	80	
12.5	151	80	
12.6	151	80	
12.7	151	80	
12.8	151	80	
12.9	151	80	
13.0	151	80	

＊非標準品，另行報價(訂製品)

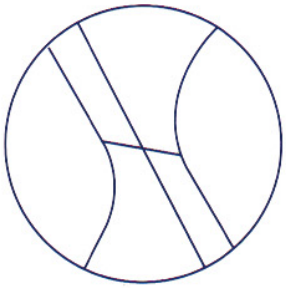
鎢鋼NC定位鑽



(m/m/元/支)

直徑	溝長	全長	單價
D	ℓ	L	NT
2	5	40	140
3	8	50	160
4	10	50	180
5	12	50	220
6	12	50	240
8	18	60	480
10	20	75	840
12	22	75	1040

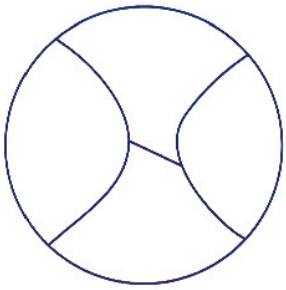
＊非標準品，另行報價(訂製品)



A 四面 60° / 90° / 120°

直徑	溝長	全長	單價
D	ℓ	L	NT
3	8	50	180
4	10	50	200
5	12	50	240
6	12	50	260
8	18	60	520
10	20	75	900
12	22	75	1100

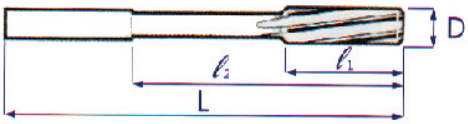
＊非標準品，另行報價(訂製品)



B 偏心 90°

全鎢鋼直柄機械紋刀(同柄徑) H7

A-左旋右刃 7°
直徑公差:+0.002～+0.008



(m/m/元/支)

直徑 D	刃長 ℓ1	全長 L	有效長 ℓ2	刃數 T	單價 NT
2.0	11	49	24	4	400
2.1	11	49	24	4	500
2.2	12	53	26	4	
2.3	12	53	26	4	
2.4	14	57	28	4	
2.5	14	57	28	4	
2.6	14	57	28	4	
2.7	15	61	32	4	600
2.8	15	61	32	4	
2.9	15	61	32	4	
3.0	15	61	32	4	
3.1	16	65	35	4	700
3.2	16	65	35	4	
3.3	16	65	35	4	
3.4	18	70	40	4	
3.5	18	70	40	4	
3.6	18	70	40	4	
3.7	18	70	40	4	
3.8	19	75	43	4	
3.9	19	75	43	4	
4.0	19	75	43	4	
4.1	19	75	43	4	800
4.2	19	75	43	4	
4.3	21	80	47	4	
4.4	21	80	47	4	
4.5	21	80	47	4	
4.6	21	80	47	4	
4.7	21	80	52	4	
4.8	23	86	52	4	
4.9	23	86	52	4	
5.0	23	86	52	4	
5.1	23	86	52	4	1000
5.2	23	86	52	4	
5.3	23	86	52	4	
5.4	26	93	57	4	
5.5	26	93	57	4	
5.6	26	93	57	4	
5.7	26	93	57	4	
5.8	26	93	57	4	
5.9	26	93	57	4	
6.0	26	93	57	6	
6.1	28	101	63	6	1100

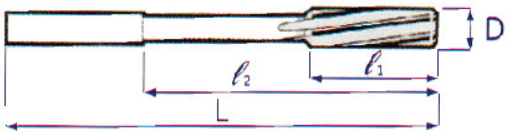
直徑 D	刃長 ℓ1	全長 L	有效長 ℓ2	刃數 T	單價 NT
6.2	28	101	63	6	1100
6.3	28	101	63	6	
6.4	28	101	63	6	
6.5	28	101	63	6	
6.6	28	101	63	6	
6.7	28	101	63	6	
6.8	31	109	69	6	
6.9	31	109	69	6	
7.0	31	109	69	6	1200
7.1	31	109	69	6	1300
7.2	31	109	69	6	
7.3	31	109	69	6	
7.4	31	109	69	6	
7.5	31	109	69	6	
7.6	33	117	75	6	
7.7	33	117	75	6	
7.8	33	117	75	6	
7.9	33	117	75	6	
8.0	33	117	75	6	
8.1	33	117	75	6	1700
8.2	33	117	75	6	
8.3	33	117	75	6	
8.4	33	117	75	6	
8.5	33	117	75	6	
8.6	36	125	80	6	
8.7	36	125	80	6	
8.8	36	125	80	6	
8.9	36	125	80	6	
9.0	36	125	80	6	
9.1	36	125	80	6	2000
9.2	36	125	80	6	
9.3	36	125	80	6	
9.4	36	125	80	6	
9.5	36	125	80	6	
9.6	38	133	90	6	
9.7	38	133	90	6	
9.8	38	133	90	6	
9.9	38	133	90	6	
10.0	38	133	90	6	
11.0	41	142	95	6	2200
12.0	44	151	105	6	2600
12.0	44	151	105	6	2800

＊非標準品，另行報價(訂製品)

全鎢鋼直柄機械紋刀(同柄徑)B加長型

H7

A-左旋右刃 7
直徑公差:+0.002～+0.008



(m/m/元/支)

直徑	刃長	全長	有效長	刃數	單價
D	ℓ1	L	ℓ2	T	NT
3	15	100	32	4	1000
4	19	120	43	4	1200
5	23	132	52	4	1600
6	26	150	57	6	1700
7	31	150	69	6	2000
8	33	150	75	6	2400
9	36	180	80	6	3000
10	38	180	90	6	3400
14	44	151	105	7	3600
15	44	151	105	8	4400
16	44	151	105	9	4800

STC TOOL

鎢鋼切削刀具 專業設計製造

新 泰 鋁 精密科技有限公司
STC Precision Technology Co., Ltd.
新北市泰山區泰林路二段352號
No.352,Tailin Road Sec2,New Taipei City,Taiwan.
TEL:02-22978888　統編:54847341
FAX:02-22978877
E-mail:stc.tool888@msa.hinet.net

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新泰鋁精密科技有限公司 STC TOOL 鎢鋼切削刀具 專業設計製造