標記說明 ICONS GUIDE

刀具原料

- MG Carbide 超微粒 Micro Grain
- UMG Carbide 極超微粒 Mikrokorn
- SMG Carbide 特級微粒 Super Mikrokorn

塗　層

- HX Coating HX 塗層 HX Coating
- GX Coating GX 塗層 GX Coating
- SX Coating SX 塗層 SX Coating
- TX Coating TX 塗層 TX Coating
- NB Coating NB 塗層 NB Coating

螺 旋 角

- 30° 30° 螺旋角 30° Helix
- 35° 35° 螺旋角 35° Helix
- 45° 45° 螺旋角 45° Helix
- 55° 55° 螺旋角 55° Helix

刃　數

- 2 刃銑刀 2 Flute End Mill
- 3 刃銑刀 3 Flute End Mill
- 4 刃銑刀 4 Flute End Mill
- 2 刃球頭銑刀 2 Flute Ballnose End Mill
- 4 刃球頭銑刀 4 Flute Ballnose End Mill
- 6 刃銑刀 6 Flute End Mill

底刃形狀

- 90° 平頭 Square End
- 球頭 Ballnose
- R 圓角頭 Corner Radius

長度系列

- 短刃型 Stub Length
- 標準型 Standard Length
- 加長型 Long Length
- 長頸深溝 Reduced Neck

硬　度

- HRC <35 硬度 < 35 HRC
- HRC <48 硬度 < 48 HRC
- HRC <58 硬度 < 58 HRC
- HRC <68 硬度 < 68 HRC

工件材料

- P 鋼 Steel
- M 不銹鋼 Stainless Steel
- N 非鐵材料 Non-ferrous Materials
- K 鑄鐵 Cast Iron
- S 高溫合金、鈦合金 Heat-resistant Super Alloys,Titanium Alloys
- H 硬材料 Hardened Materials

T 工藝技術 Technique

G-TOP

P 專業服務 Profession

Inn O vation 創新研發

硬度換算表 Hardness Conversion Table 硬度变换表

HRC	HB	HV10	N/mm²	HRC	HB	HV10	N/mm²	HRC	HB	HV10	N/mm²	HRC	HB	HV10	N/mm²
	71	75	240		171	180	575	28	273	287	920	49	472	497	1620
	76	80	255		176	185	595	29	278	293	940	50	488	514	1680
	81	85	270		181	190	610	30	287	302	970	51	501	527	1730
	86	90	285		185	195	625	31	295	310	995	52	517	544	1790
	90	95	305		190	200	640	32	301	317	1020	53	532	560	1845
	95	100	320		195	205	660	33	311	327	1050	54	549	578	1910
	100	105	335		199	210	675	34	319	336	1080	55	567	596	1980
	105	110	350		204	215	690	35	328	345	1110	56	584	615	2050
	109	115	370		209	220	705	36	337	355	1140	57	607	639	2140
	114	120	385		214	225	720	37	346	364	1170	58	622	655	
	119	125	400		219	230	740	38	354	373	1200	59		675	
	124	130	415		223	235	755	39	363	382	1230	60		698	
	128	135	430		228	240	770	40	372	392	1260	61		720	
	133	140	450		233	245	785	41	383	403	1300	62		745	
	138	145	465	22	238	250	800	42	393	413	1330	63		773	
	143	150	480	23	242	255	820	43	402	423	1360	64		800	
	147	155	495	24	247	260	835	44	413	434	1400	65		829	
	152	160	510	25	255	268	860	45	424	446	1440	66		864	
	157	165	530	26	258	272	870	46	435	458	1480	67		900	
	162	170	545	27	266	280	900	47	449	473	1530	68		940	
	166	175	560					48	460	484	1570				

切削公式表 Table of Cutting Formula 切削条件

Metric MM MM

$$Vc = \frac{\pi \times Dc \times N}{1000}$$

$$N = \frac{Vc \times 1000}{\pi \times Dc}$$

$$Vf = N \times Z \times fz$$

$$T = \frac{L}{Vf}$$

Vc= 切削速度 切削速度 Cutting Speed — m/min

Dc= 切削直徑 外径 Cutter Diameter — mm

N = 回轉速度 回転速度 RPM — rev/min

Vf= 每分鐘進給 送り速度 Feed Speed — mm/min

Metric MM MM

fz = 每刃進給 一刃送り量(mm/刃) Feed Per Tooth — mm/tooth

fn = 每轉進給 送り(mm/rev) Feed Per Revolution — mm/rev

Z = 刃數 刃数 Number of Flutes — Z

T = 切削時間 切削時間 Time of Cut In Minutes — mm

L = 切削長度 切削長さ Cut Length — mm

Ap= 軸向切削深度 軸方向切削深さ Axial depth of cut — mm

Ae= 切削寬度 切削幅度 Radial depth of cut — mm

PRM 換算表 PRM Conversion PRM 變化表

刃徑 Dia	VC 切削速度 m/min cutting speed															
D	20	30	40	50	60	70	80	90	100	120	140	150	180	200	250	300
0.2	31850	47770	63690	79620	95540	111460	127390	143310	159240	191080	222930	238850	286620	318470	398090	477710
0.3	21230	31850	42460	53080	63690	74310	84930	95540	106160	127390	148620	159240	191080	212310	265390	318470
0.4	15920	23890	31850	39810	47770	55730	63690	71660	79620	95540	111460	119430	143310	159240	199040	238850
0.5	12740	19110	25480	31850	38220	44590	50960	57320	63690	76430	89170	95540	114650	127390	159240	191080
0.6	10620	15920	21230	26540	31850	37150	42460	47770	53080	63690	74310	79620	95540	106160	132700	159240
0.7	9100	13650	18200	22750	27300	31850	36400	40950	45500	54600	63690	68240	81890	90990	113740	136490
0.8	7960	11940	15920	19900	23890	27870	31850	35830	39810	47770	55730	59710	71660	79620	99520	119430
0.9	7080	10620	14150	17690	21230	24770	28310	31850	35390	42460	49540	53080	63690	70770	88460	106160
1.0	6370	9550	12740	15920	19110	22290	25480	28660	31850	38220	44590	47770	57320	63690	79620	95540
1.2	5310	7960	10620	13270	15920	18580	21230	23890	26540	31850	37150	39810	47770	53080	66350	79620
1.5	4250	6370	8490	10620	12740	14860	16990	19110	21230	25480	29720	31850	38220	42460	53080	63690
1.8	3540	5310	7080	8850	10620	12380	14150	15920	17690	21230	24770	26540	31850	35390	44230	53080
2.0	3180	4780	6370	7960	9550	11150	12740	14330	15920	19110	22290	23890	28660	31850	39810	47770
2.2	2900	4340	5790	7240	8690	10130	11580	13030	14480	17370	20270	21710	26060	28950	36190	43430
2.5	2550	3820	5100	6370	7640	8920	10190	11460	12740	15290	17830	19110	22930	25480	31850	38220
2.8	2270	3410	4550	5690	6820	7960	9100	10240	11370	13650	15920	17060	20470	22750	28430	34120
3.0	2120	3180	4250	5310	6370	7430	8490	9550	10620	12740	14860	15920	19110	21230	26540	31850
3.5	1820	2730	3640	4550	5460	6370	7280	8190	9100	10920	12740	13650	16380	18200	22750	27300
4.0	1590	2390	3180	3980	4780	5570	6370	7170	7960	9550	11150	11940	14330	15920	19900	23890
4.5	1420	2120	2830	3540	4250	4950	5660	6370	7080	8490	9910	10620	12740	14150	17690	21230
5.0	1270	1910	2550	3180	3820	4460	5100	5730	6370	7640	8920	9550	11460	12740	15920	19110
5.5	1160	1740	2320	2900	3470	4050	4630	5210	5790	6950	8110	8690	10420	11580	14480	17370
6.0	1060	1590	2120	2650	3180	3720	4250	4780	5310	6370	7430	7960	9550	10620	13270	15920
6.5	980	1470	1960	2450	2940	3430	3920	4410	4900	5880	6860	7350	8820	9800	12250	14700
7.0	910	1360	1820	2270	2730	3180	3640	4090	4550	5460	6370	6820	8190	9100	11370	13650
7.5	850	1270	1700	2120	2550	2970	3400	3820	4250	5100	5940	6370	7640	8490	10620	12740
8.0	800	1190	1590	1990	2390	2790	3180	3580	3980	4780	5570	5970	7170	7960	9950	11940
8.5	750	1120	1500	1870	2250	2620	3000	3370	3750	4500	5250	5620	6740	7490	9370	11240
9.0	710	1060	1420	1770	2120	2480	2830	3180	3540	4250	4950	5310	6370	7080	8850	10620
9.5	670	1010	1340	1680	2010	2350	2680	3020	3350	4020	4690	5030	6030	6700	8380	10060
10	640	960	1270	1590	1910	2230	2550	2870	3180	3820	4460	4780	5730	6370	7960	9550
11	580	870	1160	1450	1740	2030	2320	2610	2900	3470	4050	4340	5210	5790	7240	8690
12	530	800	1060	1330	1590	1860	2120	2390	2650	3180	3720	3980	4780	5310	6630	7960
13	490	730	980	1220	1470	1710	1960	2200	2450	2940	3430	3670	4410	4900	6120	7350
14	450	680	910	1140	1360	1590	1820	2050	2270	2730	3180	3410	4090	4550	5690	6820
15	420	640	850	1060	1270	1490	1700	1910	2120	2550	2970	3180	3820	4250	5310	6370
16	400	600	800	1000	1190	1390	1590	1790	1990	2390	2790	2990	3580	3980	4980	5970
17	370	560	750	940	1120	1310	1500	1690	1870	2250	2620	2810	3370	3750	4680	5620
18	350	530	710	880	1060	1240	1420	1590	1770	2120	2480	2650	3180	3540	4420	5310
19	340	500	670	840	1010	1170	1340	1510	1680	2010	2350	2510	3020	3350	4190	5030
20	320	480	640	800	960	1110	1270	1430	1590	1910	2230	2390	2870	3180	3980	4780
21	300	450	610	760	910	1060	1210	1360	1520	1820	2120	2270	2730	3030	3790	4550
22	290	430	580	720	870	1010	1160	1300	1450	1740	2030	2170	2610	2900	3620	4340
23	280	420	550	690	830	970	1110	1250	1380	1660	1940	2080	2490	2770	3460	4150
24	270	400	530	660	800	930	1060	1190	1330	1590	1860	1990	2390	2650	3320	3980
25	250	380	510	640	760	890	1020	1150	1270	1530	1780	1910	2290	2550	3180	3820
26	240	370	490	610	730	860	980	1100	1220	1470	1710	1840	2200	2450	3060	3670
27	240	350	470	590	710	830	940	1060	1180	1420	1650	1770	2120	2360	2950	3540
28	230	340	450	570	680	800	910	1020	1140	1360	1590	1710	2050	2270	2840	3410
29	220	330	440	550	660	770	880	990	1100	1320	1540	1650	1980	2200	2750	3290
30	210	320	420	530	640	740	850	960	1060	1270	1490	1590	1910	2120	2650	3180
31	210	310	410	510	620	720	820	920	1030	1230	1440	1540	1850	2050	2570	3080
32	200	300	400	500	600	700	800	900	1000	1190	1390	1490	1790	1990	2490	2990

刀具系列目錄 END MILL INDEX

刀具系列號 Series No.	刀具類型 Tool Type	刀具外型 End Mill	刀具名稱 Description	尺寸範圍 Diameter Range	頁次 Page	炭素鋼 CARBON STEELS / 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS / 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS / 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON / 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
						~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
PS	平頭 Square End		2 刃小徑平刀 2 Flutes End Mills	D0.1~0.9	11	◉	◉	○	○			○	○	○		△	△
			2 刃平刀 2 Flutes End Mills	D1~20	12	◉	◉	○	○			○	○	○		△	△
			2 刃平刀 點數型 2 Flutes End Mills,Decimal Diameter	D1~20	13	◉	◉	○	○			○	○	○		△	△
			2 刃平刀 加長型 2 Flutes End Mills,Long Length	D2~20	15	◉	◉	○	○			○	○	○		△	△
			6 刃平刀 6 Flutes End Mills	D6~20	16	◉	◉	◉	○	△			◉			△	△
			4 刃不等導程平刀 4 Flutes Variable Lead End Mills	D1~16	17	◉	◉	○	△			△	◉				
			4 刃高導平刀 4 Flutes High Helix End Mills	D1~20	18	◉	◉	○	○			○	○	○		△	△
			4 刃高導平刀 加長型 4 Flutes High Helix End Mills,Long Length	D3~20	19	◉	◉	○	○			○	○	○		△	△
			4 刃圓溝型平刀 4 Flutes U-Flute Shape End Mills	D1~20	20	◉	○					△	○	○			
			4 刃強重型平刀 4 Flutes Heavy Duty Cutting End Mills	D1~20	21	◉	◉	○	△			△	◉				
			4 刃強重型平刀 長刃型 4D 4 Flutes Heavy Duty Cutting End Mills Long Flute 4D	D1~20	22	◉	◉	○	△			△	◉				
			4 刃強重型平刀 長刃型 5D 4 Flutes Heavy Duty Cutting End Mills Long Flute 5D	D1~20	23	◉	◉	○	△			△	◉				
			4 刃強重型平刀 長柄型 4 Flutes Heavy Duty Cutting End Mills long handle	D4~20	24	◉	◉	○	△			△	◉				
			4 刃強力型平刀 4 Flutes Power Cutting End Mills	D3~12	25	◉	◉	○	△			△	◉				
			2 刃精加工平刀 2 Flutes Finishing End Mills	D1~20	26	◉	○					△	○	○			
			4 刃精加工平刀 4 Flutes Finishing End Mills	D1~20	27	◉	○					△	○	○			
			4 刃不等分圓溝平刀 4 Flutes Heavy Duty Cutting End Mills	D1~20	28	◉	◉	○	△			△	◉				
			2 刃斜度刀 2 Flutes Taper End Mills	D1~10	29	◉	◉	○	○			○	○	○		△	△
	圓角頭 Corner Radius		2 刃 R 角刀 2 Flutes Corner Radius End Mills	D1~12	33	◉	◉	○	○			○	○	○		△	△
			2 刃 R 角刀 加長型 2 Flutes Corner Radius Long Length	D3~12	35	◉	◉	○	○			○	○	○		△	△
			4 刃 R 角刀 加長型 4 Flutes Corner Radius Long Length	D3~12	36	◉	◉	○	○			○	○	○		△	△
			4 刃 R 角刀 4 Flutes Corner Radius End Mills	D1~16	37	◉	◉	○	○			○	○	○		△	△
	球頭 Ballnose		2 刃球刀 2 Flutes Ball nose End Mills	D0.2~20	39	◉	◉	○	○			○	○	○		△	△
			2 刃球刀 加長型 Flutes Ball nose End Mills,Long Length	D2~20	40	◉	◉	○	○			○	○	○		△	△
			4 刃球刀 4 Flutes Ball nose End Mills	D2~16	41	◉	◉	○	○			○	○	○		△	△
			4 刃球刀 加長型 4 Flutes Ball nose End Mills,Long Shape	D2~16	42	◉	◉	○	○			○	○	○		△	△
			2 刃球頭球型銑刀 260° 2 Flutes,260°Ball Nose End Mills	D2~16	43	◉	◉	◉	○			○	○	○	○	△	△
	粗銑刀 Roughing		4 刃鎢鋼塗層細目粗銑刀 4 Flutes Carbide Coating Roughing End Mills	D5~20	44	◉	◉	○	△			○	○				

刀具系列目錄 END MILL INDEX

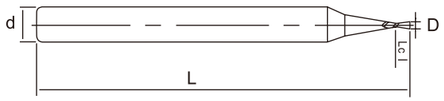
刀具系列號 Series No.	刀具類型 Tool Type	刀具外型 End Mill	刀具名稱 Description	尺寸範圍 Diameter Range	頁次 Page	炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
						~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
PS	粗銑刀 Roughing		4 刃鎢鋼塗層粗目粗銑刀 4 Flutes Carbide Coating Roughing End Mills	D4~20	45	◉	◉	○	△			○	○				
MS	球頭 Ballnose		2 刃球刀不銹鋼專用 2 Flutes Ball nose End Mills For Stainless	D1~12	46	◉	○	○				◉		○		○	○
	平頭 SquareEnd		4 刃不銹鋼專用平刀 4 Flutes End Mills For Stainless	D1~16	47	◉	○	○				◉		○		○	○
			5 刃平刀 5 Flutes End Mills	D4~16	48	◉	○	○				◉		○		○	○
	圓角頭 Corner Radius		5 刃 R 角刀 5 Flutes Corner Radius End Mills	D4~16	49	◉	○	○				◉		○		○	○
XS	平頭 SquareEnd		4 刃抗震粗銑刀 4 Flutes Anti Vibration Ripper End Mills	D4~16	50	◉	○	○				◉		○		○	○
ES	圓角頭 Corner Radius		4 刃高硬 R 角刀 4 Flutes High hardness,Corner Radius End Mills	D1~16	51	○	◉	◉	◉	○							
	球頭 Ballnose		2 刃高硬球刀 2 Flutes High hardness Ball nose End Mills	D1~16	53	○	◉	◉	◉	○							
	平頭 SquareEnd		4 刃高硬平刀 4 Flutes High hardness End Mills	D1~16	55	○	◉	◉	◉	○							
HS	平頭 SquareEnd		4 刃高硬平刀 4 Flutes High hardness End Mills	D1~16	57		○	○	◉	◉	◉						
			4 刃高硬平刀　加長型 4 Flutes High hardness End Mills,Long Length	D4~16	57		○	○	◉	◉	◉						
			6 刃高硬平刀 6 Flutes High hardness End Mills	D4~16	58		○	○	◉	◉	◉						
	圓角頭 Corner Radius		4 刃高硬 R 角刀 4 Flutes High hardness,Corner Radius End Mills	D1~12	59		○	○	◉	◉	◉						
	球頭 Ballnose		2 刃高硬球刀 2 Flutes High hardness Ball nose End Mills	D1~16	61		○	○	◉	◉	◉						
			2 刃高硬球刀　加長型 2 Flutes High hardness Ball nose End Mills,Long Length	D1~16	62		○	○	◉	◉	◉						
ALS	平頭 SquareEnd		鋁合金專用銑刀 暴力型 3 Flutes End Mills-Violence Cutting For Aluminum	D1~20	63									○	◉		
			鋁合金專用銑刀 3 Flutes End Mills For Aluminum	D 0.1~20	64									○	◉		
			鋁合金專用銑刀 強力型 3 Flutes End Mills-Power Cutting For Aluminum	D1~20	65									○	◉		
			鋁合金專用銑刀 強力型 3D 3 Flutes End Mills-Power Cutting For Aluminum 3D	D5~12	66									○	◉		
			鋁合金專用銑刀 強力型 4D（長刃型） 3 Flutes End Mills-Power Cutting For Aluminum 4D	D1~20	67									○	◉		
			鋁合金專用銑刀 強力型 5D（長刃型） 3 Flutes End Mills-Power Cutting For Aluminum 5D	D1~20	68									○	◉		
			鋁合金專用銑刀 強力型（長柄型） 3 Flutes End Mills-High Performance For Aluminum	D4~20	69									○	◉		
			鋁合金專用銑刀 高效型 3 Flutes End Mills-High Performance For Aluminum	D1~20	70									○	◉		
			鋁合金專用銑刀 高效型（長柄型） 3 Flutes End Mills-High Performance For Aluminum	D4~20	71									○	◉		
	球頭 Ballnose		鋁合金球刀 2 Flutes Ball nose End Mills For Aluminum	D0.2~20	72									○	◉		
			4 刃鋁用球刀　加長型 4 Flutes Ball nose End Mills For Aluminum	D2~16	73									○	◉		
	粗銑刀 Roughing		3 刃鋁用波浪粗銑刀 3 Flutes Carbide Coating Roughing End Mills	D4~20	74									○	◉		
	圓角頭 Corner Radius		鋁合金 R 角刀 3 Flutes Corner Radius End Mills For Aluminum	D3~16	75									○	◉		

刀具系列目錄 END MILL INDEX

刀具系列號 Series No.	刀具類型 Tool Type	刀具外型 End Mill	刀具名稱 Description	尺寸範圍 Diameter Range	頁次 Page	炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
						~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
DS ES DD	鑽頭 Drill		高效率鋁用鎢鋼鑽頭 3D Carbide Coating High Efficiency Dril / For Aluminum	D1~12	77									○	◉		
			高效率鎢鋼塗層鑽頭 3D Carbide Coating High Efficiency Dril	D0.5 ~ 12	79	◉	◉	○	△			△	○				
			高效率鎢鋼塗層鑽頭 5D Carbide Coating High Performance Dril	D3~12	81	◉	◉	○	△			△	○				
			鎢鋼塗層(內冷)鑽頭 3D Carbide High Speed Drill With Coolant Hole	D3~13	83	◉	◉	○	△			△	○				
			鎢鋼塗層(內冷)鑽頭 5D Carbide High Speed Drill With Coolant Hole	D3~13	85	◉	◉	○	△			△	○				
DS ES DD			鎢鋼平底高速鑽頭 Carbide Flat High Speed Drill	D1~12	87	◉	○					△	○				
			鎢鋼定位鑽 60°/90°/120° Carbide Spot Drills 60°/90°/120°	D1~20	89	○	○							◉	◉		
			鎢鋼定位鑽（長柄型） 90°/120° Carbide Spot Drills(Long Shank) 90°/120°	D3~12	92	○	○							◉	◉		
			鎢鋼塗層定位鑽 90° Carbide Coating 90° Spot Drills	D1~20	93	○	○							◉	◉		
			鎢鋼塗層 90 度定位鑽 Carbide Coating 90° S ot Drills	D2~12	94	◉	○	△				○	○	○	○	△	△
	倒角刀 Chamfer Cutter		焊接式鎢鋼倒角刀 Brazed Carbide Chamfer Cutter	D12~25	95	◉	◉	◉	○			○	○	○	○	△	△
			扁型倒角銑刀 60°/90°/120° Flat Chamfer Cutters 60°/90°/120°	D3~12	96	◉	○	△				○	○	○	○	△	△
			鎢鋼塗層 4 刃倒角刀 Carbide Coating 4 Flutes Chamfer Cutters	D4~12	97	◉	○	△				○	○	○	○	△	△
			鎢鋼螺旋 4 刃倒角刀 Carbide Coating 4 Flutes Chamfer Cutters	D4~12	98	◉	○	△				○	○	○	○	△	△
RM DEM	鉸刀 Reamers		鎢鋼機械鉸刀 Machine Reamers	D1~12	99	◉	◉	○	△			○	○	○	○		
			鎢鋼鑽銑刀 90°/120° Carbide V-Pointed End Mills 90°/120°	D3~12	101	◉	○	△				○	○	○	○	△	△
PCS	鎢鋼成型 Carbide Profile Cutters Series		外圓槽銑刀（焊接式） Convex Cutters (Brazed)	D16~30	102	◉	○					△	○	◉	◉		
			焊接式鎢鋼 T 型刀 Brazed Carbide T-Shape Cutters	D13~30	103	◉	○					△	○	◉	◉		
			2 刃外角 R 刀 2 Flutes Outer Radius Cutters	R0.25~6	105	◉	○					△	○	◉	◉		
			T 型銑刀 T-Shape Cutters	D4~12	107	◉	○					△	○	◉	◉		
			外圓槽銑刀 Convex Cutters	D4~12	108	◉	○					△	○	◉	◉		
			等角鳩尾銑刀 60°/90° W-Angular Chamfer Cutters 60°/90°	D4~12	109	◉	○					△	○	◉	◉		
			鳩尾銑刀 45°/60° Dove-Tail Slot Cutters 45°/60°	D3~12	110	◉	○					△	○	◉	◉		
			鎢鋼雕刻刀 Carbide Engraving Cutters	D0.1~0.2	111	○	○							◉	◉		
			螺旋銑牙刀 Thread Milling Tools-Helicai Flutes	D3.9~15.9	112	◉	◉	○	△			○	○	○	○	△	△
			銑牙刀－部分成型 55° Thread Milling Tools-Partial Profile 55°	D4~12	115	◉	◉	○	△			○	○	○	○	△	△
			銑牙刀－部分成型 60° Thread Milling Tools-Partial Profile 60°	D1.95~12	116	◉	◉	○	△			○	○	○	○	△	△
			銑牙刀－ISO 公制 2D/3D Thread Milling Tools-ISO Metric 2D/3D	D0.72~9.5	117	◉	◉	○	△			○	○	○	○	△	△
			銑牙刀－UN 美制 2D/3D Thread Milling Tools-UN US Units 2D/3D	D1.44~4.85	118	◉	◉	○	△			○	○	○	○	△	△

PS2SS 2刃小徑平刀
2 Flutes End Mills

K P H HRC ◂58



UMG Carbide | SX Coating | 35° | 90°

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
PS2SS-ST-001	0.1	0.2	50	4	
PS2SS-ST-002	0.2	0.4	50	4	
PS2SS-ST-003	0.3	0.6	50	4	
PS2SS-ST-004	0.4	0.8	50	4	
PS2SS-ST-005	0.5	1	50	4	
PS2SS-ST-006	0.6	1.2	50	4	
PS2SS-ST-007	0.7	1.4	50	4	
PS2SS-ST-008	0.8	1.6	50	4	
PS2SS-ST-009	0.9	1.8	50	4	

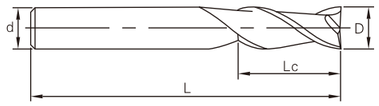
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	○			○	○	○		△	△

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

PS2S 2刃平刀
2 Flutes End Mills

K P H HRC ◂58



UMG Carbide | SX Coating | 35° | 90°

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
PS2S-ST-010	1	3	50	4	
PS2S-ST-015	1.5	5	50	4	
PS2S-ST-020	2	6	50	4	
PS2S-ST-025	2.5	7	50	4	
PS2S-ST-030	3	8	50	4	
PS2S-ST-030d6	3	8	50	6	
PS2S-ST-040	4	11	50	4	
PS2S-ST-040d6	4	11	50	6	
PS2S-ST-050	5	13	50	6	
PS2S-ST-060	6	15	50	6	
PS2S-ST-070	7	20	60	8	
PS2S-ST-080	8	20	60	8	
PS2S-ST-090	9	25	75	10	
PS2S-ST-100	10	25	75	10	
PS2S-ST-110	11	30	75	12	
PS2S-ST-120	12	30	75	12	
PS2S-ST-160	16	45	100	16	
PS2S-ST-200	20	50	100	20	

Work Material

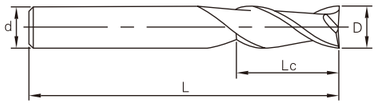
炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	○			○	○	○		△	△

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

Steels • Cast Iron

PS2S 2刃平刀 點數型
2 Flutes End Mills, Decimal Diameter

K P H HRC◂58



UMG Carbide | SX Coating | 35° | 90°

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

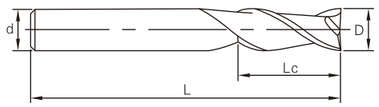
型號－外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d
PS2S-ST-011	1.1	3	50	4
PS2S-ST-012	1.2	3	50	4
PS2S-ST-013	1.3	4	50	4
PS2S-ST-014	1.4	4	50	4
PS2S-ST-016	1.6	5	50	4
PS2S-ST-017	1.7	5	50	4
PS2S-ST-018	1.8	5	50	4
PS2S-ST-019	1.9	5	50	4
PS2S-ST-021	2.1	6	50	4
PS2S-ST-022	2.2	6	50	4
PS2S-ST-023	2.3	6	50	4
PS2S-ST-024	2.4	6	50	4
PS2S-ST-026	2.6	7	50	4
PS2S-ST-027	2.7	7	50	4
PS2S-ST-028	2.8	8	50	4
PS2S-ST-029	2.9	8	50	4
PS2S-ST-031	3.1	9	50	4
PS2S-ST-032	3.2	9	50	4
PS2S-ST-033	3.3	9	50	4
PS2S-ST-034	3.4	9	50	4
PS2S-ST-035	3.5	10	50	4
PS2S-ST-036	3.6	10	50	4
PS2S-ST-037	3.7	10	50	4
PS2S-ST-038	3.8	10	50	4
PS2S-ST-039	3.9	10	50	4
PS2S-ST-041	4.1	11	50	6
PS2S-ST-042	4.2	11	50	6
PS2S-ST-043	4.3	11	50	6
PS2S-ST-044	4.4	11	50	6
PS2S-ST-045	4.5	12	50	6
PS2S-ST-046	4.6	12	50	6
PS2S-ST-047	4.7	12	50	6
PS2S-ST-048	4.8	13	50	6
PS2S-ST-049	4.9	13	50	6

型號－外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d
PS2S-ST-051	5.1	13	50	6
PS2S-ST-052	5.2	13	50	6
PS2S-ST-053	5.3	14	50	6
PS2S-ST-054	5.4	14	50	6
PS2S-ST-055	5.5	15	50	6
PS2S-ST-056	5.6	15	50	6
PS2S-ST-057	5.7	15	50	6
PS2S-ST-058	5.8	15	50	6
PS2S-ST-059	5.9	15	50	6
PS2S-ST-061	6.1	16	60	8
PS2S-ST-062	6.2	16	60	8
PS2S-ST-063	6.3	16	60	8
PS2S-ST-064	6.4	16	60	8
PS2S-ST-065	6.5	17	60	8
PS2S-ST-066	6.6	17	60	8
PS2S-ST-067	6.7	17	60	8
PS2S-ST-068	6.8	18	60	8
PS2S-ST-069	6.9	18	60	8
PS2S-ST-071	7.1	18	60	8
PS2S-ST-072	7.2	18	60	8
PS2S-ST-073	7.3	19	60	8
PS2S-ST-074	7.4	19	60	8
PS2S-ST-075	7.5	19	60	8
PS2S-ST-076	7.6	20	60	8
PS2S-ST-077	7.7	20	60	8
PS2S-ST-078	7.8	20	60	8
PS2S-ST-079	7.9	20	60	8
PS2S-ST-081	8.1	23	75	10
PS2S-ST-082	8.2	23	75	10
PS2S-ST-083	8.3	23	75	10
PS2S-ST-084	8.4	23	75	10
PS2S-ST-085	8.5	23	75	10
PS2S-ST-086	8.6	23	75	10
PS2S-ST-087	8.7	23	75	10

Steels • Cast Iron

PS2S 2刃平刀 點數型
2 Flutes End Mills, Decimal Diameter

K P H HRC◂58



UMG Carbide | SX Coating | 35° | 90°

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號－外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d
PS2S-ST-088	8.8	23	75	10
PS2S-ST-089	8.9	23	75	10
PS2S-ST-091	9.1	25	75	10
PS2S-ST-092	9.2	25	75	10
PS2S-ST-093	9.3	25	75	10
PS2S-ST-094	9.4	25	75	10
PS2S-ST-095	9.5	25	75	10
PS2S-ST-096	9.6	25	75	10
PS2S-ST-097	9.7	25	75	10
PS2S-ST-098	9.8	25	75	10
PS2S-ST-099	9.9	25	75	10
PS2S-ST-101	10.1	30	75	12
PS2S-ST-102	10.2	30	75	12
PS2S-ST-103	10.3	30	75	12
PS2S-ST-104	10.4	30	75	12
PS2S-ST-105	10.5	30	75	12
PS2S-ST-106	10.6	30	75	12
PS2S-ST-107	10.7	30	75	12
PS2S-ST-108	10.8	30	75	12
PS2S-ST-109	10.9	30	75	12

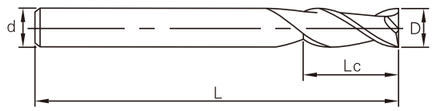
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	○			○	○	○		△	△

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

PS2S 2刃平刀 加長型
2 Flutes End Mills,Long Length

K P H HRC ◂58



UMG Carbide | SX Coating | 35° | 90°

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
PS2S-LL-02008	2	8	75	4	
PS2S-LL-03012	3	12	75	4	
PS2S-LL-04016	4	16	75	4	
PS2S-LL-05020	5	20	75	6	
PS2S-LL-06025	6	25	75	6	
PS2S-LL-08032	8	32	100	8	
PS2S-LL-10040	10	40	100	10	
PS2S-LL-12050	12	50	100	12	
PS2S-LL-16065	16	65	150	16	
PS2S-LL-20080	20	80	150	20	

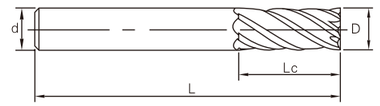
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	○			○	○	○		△	△

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

PS6S 6刃平刀
6 Flutes End Mills

S P H HRC ◂58



UMG Carbide | SX Coating | 45° | 90°

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
PS6S-ST-060	6	18	50	6	
PS6S-ST-080	8	24	60	8	
PS6S-ST-100	10	30	75	10	
PS6S-ST-120	12	36	75	12	
PS6S-ST-160	16	50	100	16	
PS6S-ST-200	20	60	100	20	

Work Material

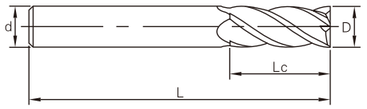
炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	◉	○	△			◉			△	△

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

Steels • Cast Iron

PS4C 4刃不等導程平刀
4 Flutes Variable Lead End Mills

K M P H HRC ≤58



UMG Carbide | SX Coating | 39/41° | 90°

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
PS4C-ST-010	1	3	50	4	
PS4C-ST-015	1.5	5	50	4	
PS4C-ST-020	2	6	50	4	
PS4C-ST-025	2.5	8	50	4	
PS4C-ST-030	3	9	50	4	
PS4C-ST-030d6	3	9	50	6	
PS4C-ST-040	4	11	50	4	
PS4C-ST-040d6	4	11	50	6	
PS4C-ST-050	5	13	50	6	
PS4C-ST-060	6	15	50	6	
PS4C-ST-06018	6	18	50	6	
PS4C-ST-070	7	20	60	8	
PS4C-ST-080	8	20	60	8	
PS4C-ST-08025	8	25	60	8	
PS4C-ST-090	9	25	75	10	
PS4C-ST-100	10	25	75	10	
PS4C-ST-10032	10	32	75	10	
PS4C-ST-120	12	30	75	12	
PS4C-ST-12036	12	36	75	12	
PS4C-ST-160	16	45	100	16	

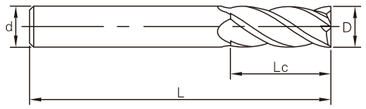
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	△			△	◉				

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

PS4E 4刃高導平刀
4 Flutes High Helix End Mills

M K P H HRC ≤58



UMG Carbide | SX Coating | 45° | 90°

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
PS4E-ST-010	1	3	50	4	
PS4E-ST-015	1.5	5	50	4	
PS4E-ST-020	2	6	50	4	
PS4E-ST-025	2.5	8	50	4	
PS4E-ST-030	3	9	50	4	
PS4E-ST-030d3	3	9	50	3	
PS4E-ST-030d6	3	9	50	6	
PS4E-ST-040	4	12	50	4	
PS4E-ST-040d6	4	12	50	6	
PS4E-ST-050	5	13	50	6	
PS4E-ST-060	6	15	50	6	
PS4E-ST-06018	6	18	50	6	
PS4E-ST-070	7	20	60	8	
PS4E-ST-080	8	20	60	8	
PS4E-ST-08025	8	25	60	8	
PS4E-ST-090	9	25	75	10	
PS4E-ST-100	10	25	75	10	
PS4E-ST-10032	10	32	75	10	
PS4E-ST-110	11	30	75	12	
PS4E-ST-120	12	30	75	12	
PS4E-ST-12036	12	36	75	12	
PS4E-ST-140	14	40	100	16	
PS4E-ST-160	16	45	100	16	
PS4E-ST-200	20	50	100	20	

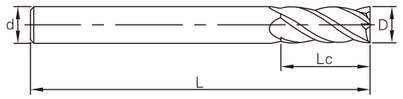
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	○			○	○	○		△	△

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

PS4E 4刃高導平刀 加長型
4 Flutes High Helix End Mills,Long Length

M K P H HRC ◂58



UMG Carbide | SX Coating | 45° | 90°

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
PS4E-LL-03012	3	12	75	4	
PS4E-LL-04016	4	16	75	4	
PS4E-LL-05020	5	20	75	6	
PS4E-LL-06025	6	25	75	6	
PS4E-LL-08032	8	32	100	8	
PS4E-LL-10040	10	40	100	10	
PS4E-LL-12050	12	50	100	12	
PS4E-LL-16065	16	65	100	16	
PS4E-LL-20080	20	80	150	20	

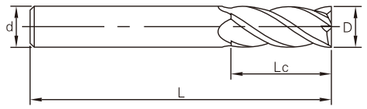
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	○			○	○	○		△	△

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

PS4L 4刃圓溝型平刀
4 Flutes U-Flute Shape End Mills

P HRC ◂38



UMG Carbide | TX Coating | 45° | 90°

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
PS4L-ST-010	1	3	50	4	
PS4L-ST-015	1.5	5	50	4	
PS4L-ST-020	2	6	50	4	
PS4L-ST-025	2.5	8	50	4	
PS4L-ST-030	3	9	50	4	
PS4L-ST-030d6	3	9	50	6	
PS4L-ST-040	4	12	50	4	
PS4L-ST-040d6	4	12	50	6	
PS4L-ST-050	5	13	50	6	
PS4L-ST-060	6	15	50	6	
PS4L-ST-06018	6	18	50	6	
PS4L-ST-080	8	20	60	8	
PS4L-ST-08025	8	25	60	8	
PS4L-ST-100	10	25	75	10	
PS4L-ST-10030	10	30	75	10	
PS4L-ST-120	12	30	75	12	
PS4L-ST-12036	12	36	75	12	
PS4L-ST-160	16	50	100	16	
PS4L-ST-200	20	60	100	20	

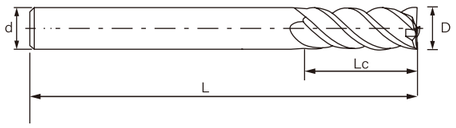
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	○					△	○	○			

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

PS4S 4 刃強重型平刀
4 Flutes Heavy Duty Cutting End Mills

K P H HRC ≤58



UMG Carbide | SX Coating | 45° | 90°

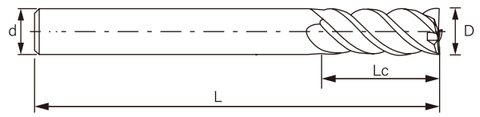
D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
PS4S-ST-010	1	3	50	4	
PS4S-ST-010d6	1	3	50	6	
PS4S-ST-015	1.5	5	50	4	
PS4S-ST-015d6	1.5	5	50	6	
PS4S-ST-020	2	6	50	4	
PS4S-ST-020d6	2	6	50	6	
PS4S-ST-025	2.5	8	50	4	
PS4S-ST-025d6	2.5	7.5	50	6	
PS4S-ST-030	3	9	50	4	
PS4S-ST-030d3	3	9	50	3	
PS4S-ST-030d6	3	9	50	6	
PS4S-ST-035	3.5	10	50	4	
PS4S-ST-035d6	3.5	10	50	6	
PS4S-ST-040	4	12	50	4	
PS4S-ST-040d6	4	12	50	6	
PS4S-ST-045	4.5	13	50	6	
PS4S-ST-050	5	13	50	6	
PS4S-ST-050d5	5	13	50	5	
PS4S-ST-05015	5	15	50	6	
PS4S-ST-055	5.5	15	50	6	
PS4S-ST-060	6	15	50	6	
PS4S-ST-06018	6	18	50	6	
PS4S-ST-070	7	20	60	8	
PS4S-ST-080	8	20	60	8	
PS4S-ST-08025	8	25	60	8	
PS4S-ST-090	9	25	75	10	
PS4S-ST-100	10	25	75	10	
PS4S-ST-10032	10	32	75	10	
PS4S-ST-110	11	30	75	12	
PS4S-ST-120	12	30	75	12	
PS4S-ST-12036	12	36	75	12	
PS4S-ST-130	13	40	100	14	
PS4S-ST-140	14	40	100	14	
PS4S-ST-150	15	45	100	16	
PS4S-ST-160	16	45	100	16	
PS4S-ST-200	20	50	100	20	

PS4S 4 刃強重型平刀 長刃型4D
4 Flutes Heavy Duty Cutting End Mills,Long Flute

K P H HRC ≤58



UMG Carbide | SX Coating | 45° | 90°

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
PS4S-4D-01004	1	4	50	4	
PS4S-4D-01506	1.5	6	50	4	
PS4S-4D-02008	2	8	50	4	
PS4S-4D-02510	2.5	10	50	4	
PS4S-4D-03012	3	12	75	4	
PS4S-4D-03012d6	3	12	75	6	
PS4S-4D-04016	4	16	75	4	
PS4S-4D-04016d6	4	16	75	6	
PS4S-4D-05020	5	20	75	6	
PS4S-4D-06025	6	25	75	6	
PS4S-4D-08032	8	32	100	6	
PS4S-4D-10040	10	40	100	10	
PS4S-4D-12050	12	50	100	12	
PS4S-4D-16065	16	65	150	16	
PS4S-4D-20080	20	80	150	20	

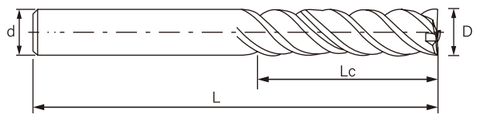
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	△			△	◉				

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

PS4S 4 刃強重型平刀 長刃型 5D
4 Flutes Heavy Duty Cutting End Mills,Long Flute

K P H HRC<58



UMG Carbide | SX Coating | 45° | 90°

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
PS4S-5D-01005	1	5	50	4	
PS4S-5D-01508	1.5	8	50	4	
PS4S-5D-02010	2	10	50	4	
PS4S-5D-02513	2.5	13	50	4	
PS4S-5D-03015	3	15	75	4	
PS4S-5D-03015d6	3	15	75	6	
PS4S-5D-04020	4	20	75	4	
PS4S-5D-04020d6	4	20	75	6	
PS4S-5D-05025	5	25	75	6	
PS4S-5D-06030	6	30	75	6	
PS4S-5D-08040	8	40	100	8	
PS4S-5D-10050	10	50	100	10	
PS4S-5D-12060	12	60	100	12	
PS4S-5D-16080	16	80	150	16	
PS4S-5D-200100	20	100	150	20	

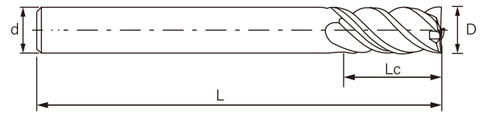
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	△			△	◉				

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

PS4S 4 刃強重型平刀 長柄型
4 Flutes Heavy Duty Cutting End Mills,Long Shape

K P H HRC<58



UMG Carbide | SX Coating | 45° | 90°

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
PS4S-75-040	4	12	75	4	
PS4S-75-060	6	15	75	6	
PS4S-75-080	8	20	75	8	
PS4S-LL-040	4	12	100	4	
PS4S-LL-060	6	15	100	6	
PS4S-LL-080	8	20	100	8	
PS4S-LL-100	10	25	100	10	
PS4S-LL-120	12	30	100	12	
PS4S-LL-160	16	45	150	16	
PS4S-LL-200	20	50	150	20	
PS4S-150-100	10	25	150	10	
PS4S-150-120	12	30	150	12	

Work Material

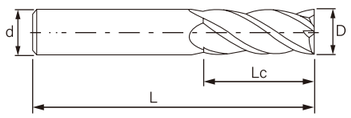
炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	△			△	◉				

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

Steels • Cast Iron

PS4X 4 刃強力型平刀
4 Flutes Power Cutting End Mills

K P H HRC ≤58



UMG Carbide | HX Coating | 45° | 90°

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
PS4X-ST-030	3	8	50	4	
PS4X-ST-030d6	3	8	50	6	
PS4X-ST-040	4	10	50	4	
PS4X-ST-040d6	4	10	50	6	
PS4X-ST-050	5	13	50	6	
PS4X-ST-060	6	15	50	6	
PS4X-ST-080	8	20	60	8	
PS4X-ST-100	10	25	75	10	
PS4X-ST-10030	10	30	75	10	
PS4X-ST-120	12	32	75	12	

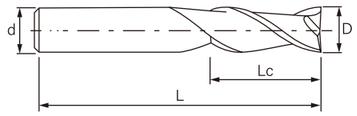
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	△			△	◉				

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

SS2F 2 刃精加工平刀
2 Flutes Finishing End Mills

P HRC ≤38



MG Carbide | SX Coating | 35° | 90°

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
SS2F-ST-010	1	3	50	4	
SS2F-ST-015	1.5	4	50	4	
SS2F-ST-020	2	5	50	4	
SS2F-ST-025	2.5	6.5	50	4	
SS2F-ST-030	3	7.5	50	4	
SS2F-ST-040	4	10	50	4	
SS2F-ST-050	5	13	50	6	
SS2F-ST-060	6	15	50	6	
SS2F-ST-080	8	20	60	8	
SS2F-ST-100	10	25	75	10	
SS2F-ST-120	12	30	75	12	
SS2F-ST-160	16	45	100	16	
SS2F-ST-200	20	45	100	20	

Work Material

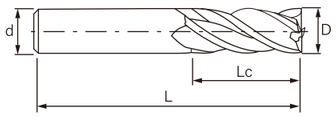
炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	○					△	○	○			

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

Steels • Cast Iron

SS4F 4刃精加工平刀
4 Flutes Finishing End Mills

P HRC◀48



MG Carbide | SX Coating | 35° | 90°

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
SS4F-ST-010	1	3	50	4	
SS4F-ST-015	1.5	4	50	4	
SS4F-ST-020	2	5	50	4	
SS4F-ST-025	2.5	6.5	50	4	
SS4F-ST-030	3	7.5	50	4	
SS4F-ST-030d6	3	7.5	50	6	
SS4F-ST-040	4	10	50	4	
SS4F-ST-040d6	4	10	50	6	
SS4F-ST-050	5	13	50	6	
SS4F-ST-060	6	15	50	6	
SS4F-ST-080	8	20	60	8	
SS4F-ST-100	10	25	75	10	
SS4F-ST-120	12	30	75	12	
SS4F-ST-140	14	45	100	14	
SS4F-ST-160	16	45	100	16	
SS4F-ST-200	20	45	100	20	

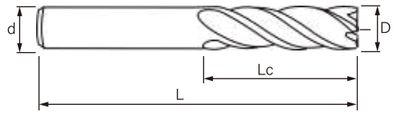
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	○					△	○	○			

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

SS4S 4刃不等分圓溝型平刀
4 Flutes Heavy Duty Cutting End Mills

K P H HRC◀58



UMG Carbide | SX Coating | 35° | 90°

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
SS4S-ST-010	1	3	50	4	
SS4S-ST-015	1.5	5	50	4	
SS4S-ST-020	2	6	50	4	
SS4S-ST-025	2.5	8	50	4	
SS4S-ST-030	3	9	50	4	
SS4S-ST-030 d6	3	9	50	6	
SS4S-ST-040	4	12	50	4	
SS4S-ST-040 d6	4	12	50	6	
SS4S-ST-050	5	13	50	6	
SS4S-ST-060	6	15	50	6	
SS4S-ST-06018	6	18	50	6	
SS4S-ST-080	8	20	60	8	
SS4S-ST- 08025	8	25	60	8	
SS4S-ST-100	10	25	75	10	
SS4S-ST- 10030	10	30	75	10	
SS4S-ST-120	12	30	75	12	
SS4S-ST-12036	12	36	75	12	
SS4S-ST-160	16	45	100	16	
SS4S-ST- 200	20	50	100	20	

Work Material

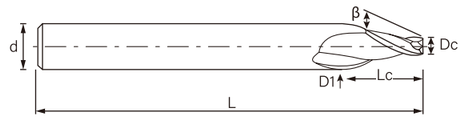
炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	△			△	◉				

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

Steels • Cast Iron

PS2TP 2刃斜度刀
2 Flutes Taper End Mills

K M P H HRC ◂58



UMG Carbide | SX Coating | 35° | 90°

D	公差 Tol
D≤12	0~-0.015
D>12	0~-0.02

單位unit (mm)

型號－小徑－角度 Type No.	角度 β	小徑 Dc	大徑 D1	刃長 Lc	全長 L	柄徑 d	價格 Price
PS2TP-ST-01005	0.5°	1	1.07	4	50	4	
PS2TP-ST-0101	1°	1	1.14	4	50	4	
PS2TP-ST-01015	1.5°	1	1.21	4	50	4	
PS2TP-ST-0102	2°	1	1.28	4	50	4	
PS2TP-ST-01025	2.5°	1	1.35	4	50	4	
PS2TP-ST-0103	3°	1	1.42	4	50	4	
PS2TP-ST-0104	4°	1	1.56	4	50	4	
PS2TP-ST-0105	5°	1	1.7	4	50	4	
PS2TP-ST-0106	6°	1	1.84	4	50	4	
PS2TP-ST-0107	7°	1	1.98	4	50	4	
PS2TP-ST-0108	8°	1	2.12	4	50	4	
PS2TP-ST-0110	10°	1	2.41	4	50	4	
PS2TP-ST-0112	12°	1	2.7	4	50	4	
PS2TP-ST-0115	15°	1	3.14	4	50	4	

型號－小徑－角度 Type No.	角度 β	小徑 Dc	大徑 D1	刃長 Lc	全長 L	柄徑 d	價格 Price
PS2TP-ST-015005	0.5°	1.5	1.59	5	50	4	
PS2TP-ST-01501	1°	1.5	1.67	5	50	4	
PS2TP-ST-015015	1.5°	1.5	1.76	5	50	4	
PS2TP-ST-01502	2°	1.5	1.85	5	50	4	
PS2TP-ST-015025	2.5°	1.5	1.94	5	50	4	
PS2TP-ST-01503	3°	1.5	2.02	5	50	4	
PS2TP-ST-01504	4°	1.5	2.2	5	50	4	
PS2TP-ST-01505	5°	1.5	2.37	5	50	4	
PS2TP-ST-01506	6°	1.5	2.55	5	50	4	
PS2TP-ST-01507	7°	1.5	2.73	5	50	4	
PS2TP-ST-01508	8°	1.5	2.91	5	50	4	
PS2TP-ST-01510	10°	1.5	3.26	5	50	4	
PS2TP-ST-01512	12°	1.5	3.63	5	50	4	
PS2TP-ST-01515	15°	1.5	4.18	5	50	6	

Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	○			○	○	○		△	△

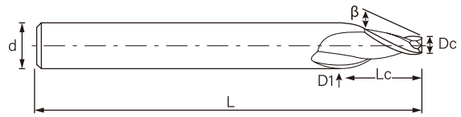
◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

型號－小徑－角度 Type No.	角度 β	小徑 Dc	大徑 D1	刃長 Lc	全長 L	柄徑 d	價格 Price
PS2TP-ST-02005	0.5°	2	2.1	6	50	4	
PS2TP-ST-0201	1°	2	2.21	6	50	4	
PS2TP-ST-02015	1.5°	2	2.31	6	50	4	
PS2TP-ST-0202	2°	2	2.42	6	50	4	
PS2TP-ST-02025	2.5°	2	2.52	6	50	4	
PS2TP-ST-0203	3°	2	2.63	6	50	4	
PS2TP-ST-0204	4°	2	2.84	6	50	4	
PS2TP-ST-0205	5°	2	3.05	6	50	4	
PS2TP-ST-0206	6°	2	3.26	6	50	4	
PS2TP-ST-0207	7°	2	3.47	6	50	4	
PS2TP-ST-0208	8°	2	3.69	6	50	4	
PS2TP-ST-0210	10°	2	4.12	6	50	6	
PS2TP-ST-0212	12°	2	4.55	6	50	6	
PS2TP-ST-0215	15°	2	5.22	6	50	6	

型號－小徑－角度 Type No.	角度 β	小徑 Dc	大徑 D1	刃長 Lc	全長 L	柄徑 d	價格 Price
PS2TP-ST-025005	0.5°	2.5	2.64	8	50	4	
PS2TP-ST-02501	1°	2.5	2.78	8	50	4	
PS2TP-ST-025015	1.5°	2.5	2.92	8	50	4	
PS2TP-ST-02502	2°	2.5	3.06	8	50	4	
PS2TP-ST-025025	2.5°	2.5	3.2	8	50	4	
PS2TP-ST-02503	3°	2.5	3.34	8	50	4	
PS2TP-ST-02504	4°	2.5	3.62	8	50	4	
PS2TP-ST-02505	5°	2.5	3.9	8	50	4	
PS2TP-ST-02506	6°	2.5	4.18	8	50	6	
PS2TP-ST-02507	7°	2.5	4.45	8	50	6	
PS2TP-ST-02508	8°	2.5	4.75	8	50	6	
PS2TP-ST-02510	10°	2.5	5.32	8	50	6	
PS2TP-ST-02512	12°	2.5	5.9	8	60	8	
PS2TP-ST-02515	15°	2.5	6.79	8	60	8	

PS2TP 2刃斜度刀
2 Flutes Taper End Mills

K M P H HRC ≤58



UMG Carbide | SX Coating | 35° | 90°

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號－小徑－角度 Type No.	角度 β	小徑 Dc	大徑 D1	刃長 Lc	全長 L	柄徑 d	價格 Price
PS2TP-ST-03005	0.5°	3	3.17	10	50	6	
PS2TP-ST-0301	1°	3	3.35	10	50	6	
PS2TP-ST-03015	1.5°	3	3.52	10	50	6	
PS2TP-ST-0302	2°	3	3.7	10	50	6	
PS2TP-ST-03025	2.5°	3	3.87	10	50	6	
PS2TP-ST-0303	3°	3	4.05	10	50	6	
PS2TP-ST-0305	5°	3	4.75	10	50	6	
PS2TP-ST-0306	6°	3	5.1	10	50	6	
PS2TP-ST-0307	7°	3	5.46	10	50	6	
PS2TP-ST-0308	8°	3	5.81	10	50	6	
PS2TP-ST-0310	10°	3	6.53	10	60	8	
PS2TP-ST-0312	12°	3	7.25	10	60	8	
PS2TP-ST-0315	15°	3	8.36	10	75	10	

型號－小徑－角度 Type No.	角度 β	小徑 Dc	大徑 D1	刃長 Lc	全長 L	柄徑 d	價格 Price
PS2TP-ST-04005	0.5°	4	4.26	15	50	6	
PS2TP-ST-0401	1°	4	4.52	15	50	6	
PS2TP-ST-04015	1.5°	4	4.79	15	50	6	
PS2TP-ST-0402	2°	4	5.05	15	50	6	
PS2TP-ST-04025	2.5°	4	5.31	15	50	6	
PS2TP-ST-0403	3°	4	5.57	15	50	6	
PS2TP-ST-0405	5°	4	6.63	15	60	8	
PS2TP-ST-0406	6°	4	7.15	15	60	8	
PS2TP-ST-0407	7°	4	7.68	15	60	8	
PS2TP-ST-0408	8°	4	8.22	15	75	10	
PS2TP-ST-0410	10°	4	9.29	15	75	10	
PS2TP-ST-0412	12°	4	10.38	15	75	12	
PS2TP-ST-0415	15°	4	12.04	15	75	12	

Work Material

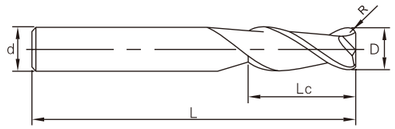
炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	○			○	○	○		△	△

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

型號－小徑－角度 Type No.	角度 β	小徑 Dc	大徑 D1	刃長 Lc	全長 L	柄徑 d	價格 Price
PS2TP-ST-05005	0.5°	5	5.35	20	60	6	
PS2TP-ST-0501	1°	5	5.7	20	60	6	
PS2TP-ST-05015	1.5°	5	6.05	20	60	8	
PS2TP-ST-0502	2°	5	6.4	20	60	8	
PS2TP-ST-05025	2.5°	5	6.75	20	60	8	
PS2TP-ST-0503	3°	5	7.1	20	60	8	
PS2TP-ST-0505	5°	5	8.5	20	75	10	
PS2TP-ST-0507	7°	5	9.91	20	75	10	
型號－小徑－角度 Type No.	**角度 β**	**小徑 Dc**	**大徑 D1**	**刃長 Lc**	**全長 L**	**柄徑 d**	**價格 Price**
PS2TP-ST-06005	0.5°	6	6.35	20	60	8	
PS2TP-ST-0601	1°	6	6.7	20	60	8	
PS2TP-ST-06015	1.5°	6	7.05	20	60	8	
PS2TP-ST-0602	2°	6	7.4	20	60	8	
PS2TP-ST-06025	2.5°	6	7.75	20	60	8	
PS2TP-ST-0603	3°	6	8.1	20	75	10	
PS2TP-ST-0605	5°	6	9.5	20	75	10	
PS2TP-ST-0607	7°	6	10.91	20	75	12	
型號－小徑－角度 Type No.	**角度 β**	**小徑 Dc**	**大徑 D1**	**刃長 Lc**	**全長 L**	**柄徑 d**	**價格 Price**
PS2TP-ST-08005	0.5°	8	8.44	25	75	10	
PS2TP-ST-0801	1°	8	8.87	25	75	10	
PS2TP-ST-08015	1.5°	8	9.31	25	75	10	
PS2TP-ST-0802	2°	8	9.75	25	75	10	
PS2TP-ST-08025	2.5°	8	10.18	25	75	12	
PS2TP-ST-0803	3°	8	10.62	25	75	12	
PS2TP-ST-0805	5°	8	12.37	25	100	16	
型號－小徑－角度 Type No.	**角度 β**	**小徑 Dc**	**大徑 D1**	**刃長 Lc**	**全長 L**	**柄徑 d**	**價格 Price**
PS2TP-ST-10005	0.5°	10	10.61	35	75	12	
PS2TP-ST-1001	1°	10	11.22	35	75	12	
PS2TP-ST-10015	1.5°	10	11.83	35	75	12	
PS2TP-ST-1002	2°	10	12.44	35	100	16	
PS2TP-ST-10025	2.5°	10	13.05	35	100	16	
PS2TP-ST-1003	3°	10	13.67	35	100	16	
PS2TP-ST-1005	5°	10	16	34.2	100	16	

PS2R 2刃R角刀
2 Flutes Corner Radius End Mills

K P H HRC◂58



UMG Carbide | SX Coating | 35° | R

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

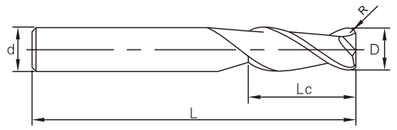
單位unit (mm)

型號－外徑－R角 Type No.	外徑 D	刃長 Lc	R角 R	全長 L	柄徑 d	價格 Price
PS2R-ST-01001	1	3	0.1	50	4	
PS2R-ST-01002	1	3	0.2	50	4	
PS2R-ST-01501	1.5	4	0.1	50	4	
PS2R-ST-01502	1.5	4	0.2	50	4	
PS2R-ST-02001	2	5	0.1	50	4	
PS2R-ST-02002	2	5	0.2	50	4	
PS2R-ST-02502	2.5	7	0.2	50	4	
PS2R-ST-02505	2.5	7	0.2	50	4	
PS2R-ST-03002	3	8	0.2	50	4	
PS2R-ST-03003	3	8	0.3	50	4	
PS2R-ST-03005	3	8	0.5	50	4	
PS2R-ST-03010	3	8	1	50	4	
PS2R-ST-04002	4	10	0.2	50	4	
PS2R-ST-04003	4	10	0.3	50	4	
PS2R-ST-04005	4	10	0.5	50	4	
PS2R-ST-04010	4	10	1	50	4	
PS2R-ST-04015	4	10	1.5	50	4	
PS2R-ST-05002	5	13	0.2	50	6	
PS2R-ST-05005	5	13	0.5	50	6	
PS2R-ST-05010	5	13	1	50	6	
PS2R-ST-05015	6	15	1.5	50	6	
PS2R-ST-06002	6	15	0.2	50	6	
PS2R-ST-06005	6	15	0.5	50	6	
PS2R-ST-06010	6	15	1	50	6	
PS2R-ST-06015	6	15	1.5	50	6	
PS2R-ST-06020	6	15	2	50	6	
PS2R-ST-08002	8	20	0.2	60	8	
PS2R-ST-08005	8	20	0.5	60	8	
PS2R-ST-08010	8	20	1	60	8	
PS2R-ST-08015	8	20	1.5	60	8	
PS2R-ST-08020	8	20	2	60	8	
PS2R-ST-10002	10	25	0.2	75	10	
PS2R-ST-10005	10	25	0.5	75	10	
PS2R-ST-10010	10	25	1	75	10	

Steels • Cast Iron

PS2R 2刃R角刀
2 Flutes Corner Radius End Mills

K P H HRC◂58



UMG Carbide | SX Coating | 35° | R

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號－外徑－R角 Type No.	外徑 D	刃長 Lc	R角 R	全長 L	柄徑 d	價格 Price
PS2R-ST-10015	10	25	1.5	75	10	
PS2R-ST-10020	10	25	2	75	10	
PS2R-ST-10030	10	25	3	75	10	
PS2R-ST-12002	12	30	0.2	75	12	
PS2R-ST-12005	12	30	0.5	75	12	
PS2R-ST-12010	12	30	1	75	12	
PS2R-ST-12015	12	30	1.5	75	12	
PS2R-ST-12020	12	30	2	75	12	
PS2R-ST-12030	12	30	3	75	12	

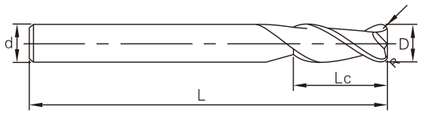
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	○			○	○	○		△	△

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

PS2R 2刃R角刀 加長型
2 Flutes Corner Radius Long Length

K P H HRC 58



UMG Carbide | SX Coating | 35° | R

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號－外徑－R角 Type No.	外徑 D	刃長 Lc	R 角 R	全長 L	柄徑 d	價格 Price
PS2R-LL-03005	3	8	0.5	75	4	
PS2R-LL-03010	3	8	1	75	4	
PS2R-LL-04005	4	10	0.5	75	4	
PS2R-LL-04010	4	10	1	75	4	
PS2R-LL-05002	5	13	0.2	75	6	
PS2R-LL-05005	5	13	0.5	75	6	
PS2R-LL-05010	5	13	1	75	6	
PS2R-LL-06005	6	15	0.5	75	6	
PS2R-LL-06010	6	15	1	75	6	
PS2R-LL-06020	6	15	2	75	6	
PS2R-LL-08005	8	20	0.5	100	8	
PS2R-LL-08010	8	20	1	100	8	
PS2R-LL-08015	8	20	1.5	100	8	
PS2R-LL-08020	8	20	2	100	8	
PS2R-LL-10005	10	25	0.5	100	10	
PS2R-LL-10010	10	25	1	100	10	
PS2R-LL-10015	10	25	1.5	100	10	
PS2R-LL-10020	10	25	2	100	10	
PS2R-LL-10030	10	25	3	100	10	
PS2R-LL-12005	12	30	0.5	100	12	
PS2R-LL-12010	12	30	1	100	12	
PS2R-LL-12015	12	30	1.5	100	12	
PS2R-LL-12020	12	30	2	100	12	
PS2R-LL-12030	12	30	3	100	12	

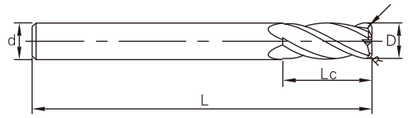
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	○			○	○	○		△	△

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

PS4R 4刃R角刀 加長型
4 Flutes Corner Radius Long Length

K M P H HRC 58



UMG Carbide | SX Coating | 45° | R

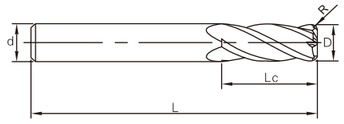
D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號－外徑－R角 Type No.	外徑 D	刃長 Lc	R 角 R	全長 L	柄徑 d	價格 Price
PS4R-LL-01002	1	3	0.2	75	4	
PS4R-LL-02002	2	6	0.2	75	4	
PS4R-LL-03002	3	8	0.2	75	4	
PS4R-LL-03005	3	8	0.5	75	4	
PS4R-LL-03010	3	8	1	75	4	
PS4R-LL-04002	4	10	0.2	75	4	
PS4R-LL-04005	4	10	0.5	75	4	
PS4R-LL-04010	4	10	1	75	4	
PS4R-LL-05002	5	13	0.2	75	6	
PS4R-LL-05005	5	13	0.5	75	6	
PS4R-LL-05010	5	13	1	75	6	
PS4R-LL-06002	6	15	0.2	75	6	
PS4R-LL-06005	6	15	0.5	75	6	
PS4R-LL-06010	6	15	1	75	6	
PS4R-LL-06020	6	15	2	75	6	
PS4R-L-08005	8	20	0.5	75	8	
PS4R-LL-08002	8	20	0.2	100	8	
PS4R-LL-08005	8	20	0.5	100	8	
PS4R-L-08010	8	20	1	75	8	
PS4R-LL-08010	8	20	1	100	8	
PS4R-LL-08015	8	20	1.5	100	8	
PS4R-LL-08020	8	20	2	100	8	
PS4R-LL-10005	10	25	0.5	100	10	
PS4R-LL-10010	10	25	1	100	10	
PS4R-LL-10015	10	25	1.5	100	10	
PS4R-LL-10020	10	25	2	100	10	
PS4R-LL-10030	10	25	3	100	10	
PS4R-LL-12005	12	30	0.5	100	12	
PS4R-LL-12010	12	30	1	100	12	
PS4R-LL-12015	12	30	1.5	100	12	
PS4R-LL-12020	12	30	2	100	12	
PS4R-LL-12030	12	30	3	100	12	

PS4R 4刃R角刀
4 Flutes Corner Radius End Mills

K M P H HRC 45



UMG Carbide | SX Coating | 45°

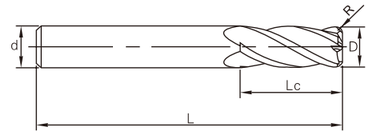
D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號－外徑－R角 Type No.	外徑 D	刃長 Lc	R 角 R	全長 L	柄徑 d	價格 Price
PS4R-ST-01001	1	3	0.1	50	4	
PS4R-ST-01002	1	3	0.2	50	4	
PS4R-ST-01501	1.5	4	0.1	50	4	
PS4R-ST-01502	1.5	4	0.2	50	4	
PS4R-ST-01505	1.5	4	0.5	50	4	
PS4R-ST-02001	2	5	0.1	50	4	
PS4R-ST-02002	2	5	0.2	50	4	
PS4R-ST-02003	2	3	0.3	50	4	
PS4R-ST-02005	2	5	0.5	50	4	
PS4R-ST-02502	2.5	7	0.2	50	4	
PS4R-ST-02505	2.5	7	0.5	50	4	
PS4R-ST-03002	3	8	0.2	50	4	
PS4R-ST-03003	3	8	0.3	50	4	
PS4R-ST-03005	3	8	0.5	50	4	
PS4R-ST-03010	3	8	1	50	4	
PS4R-ST-03505	3.5	8	0.5	50	4	
PS4R-ST-04001	4	10	0.1	50	4	
PS4R-ST-04002	4	10	0.2	50	4	
PS4R-ST-04003	4	10	0.3	50	4	
PS4R-ST-04005	4	10	0.5	50	4	
PS4R-ST-04010	4	10	1	50	4	
PS4R-ST-04015	4	10	1.5	50	4	
PS4R-ST-04502	4.5	13	0.2	50	6	
PS4R-ST-05002	5	13	0.2	50	6	
PS4R-ST-05005	5	13	0.5	50	6	
PS4R-ST-05010	5	13	1	50	6	
PS4R-ST-05015	5	13	1.5	50	6	
PS4R-ST-05020	5	13	2	50	6	
PS4R-ST-06002	6	15	0.2	50	6	
PS4R-ST-06005	6	15	0.5	50	6	
PS4R-ST-06010	6	15	1	50	6	
PS4R-ST-06015	6	15	1.5	50	6	
PS4R-ST-06020	6	15	2	50	6	
PS4R-ST-08002	8	20	0.2	60	8	
PS4R-ST-08005	8	20	0.5	60	8	

PS4R 4刃R角刀
4 Flutes Corner Radius End Mills

K M P H HRC 45



UMG Carbide | SX Coating | 45°

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號－外徑－R角 Type No.	外徑 D	刃長 Lc	R 角 R	全長 L	柄徑 d	價格 Price
PS4R-ST-08010	8	20	1	60	8	
PS4R-ST-08015	8	20	1.5	60	8	
PS4R-ST-08020	8	20	2	60	8	
PS4R-ST-08025	8	20	2.5	60	8	
PS4R-ST-08030	8	20	3	60	8	
PS4R-ST-10002	10	25	0.2	75	10	
PS4R-ST-10003	10	25	0.3	75	10	
PS4R-ST-10005	10	25	0.5	75	10	
PS4R-ST-10010	10	25	1	75	10	
PS4R-ST-10015	10	25	1.5	75	10	
PS4R-ST-10020	10	25	2	75	10	
PS4R-ST-10030	10	25	3	75	10	
PS4R-ST-12002	12	30	0.2	75	12	
PS4R-ST-12005	12	30	0.5	75	12	
PS4R-ST-12010	12	30	1	75	12	
PS4R-ST-12015	12	30	1.5	75	12	
PS4R-ST-12020	12	30	2	75	12	
PS4R-ST-12030	12	30	3	75	12	
PS4R-ST-12050	12	30	5	75	12	
PS4R-ST-16005	16	36	0.5	100	16	
PS4R-ST-16010	16	36	1	100	16	
PS4R-ST-16015	16	36	1.5	100	16	
PS4R-ST-16020	16	36	2	100	16	
PS4R-ST-16030	16	36	3	100	16	

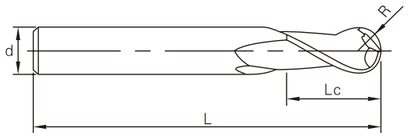
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	○			○	○	○		△	△

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

PS2B 2刃球刀
2 Flutes Ball nose End Mills

K M P H HRC<58



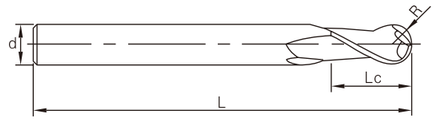
R	公差 Tol
D<3	0~-0.01
D≥3	0~-0.015

單位unit (mm)

型號－外徑 Type No.	外徑 D	刃長 Lc	R 角 R	全長 L	柄徑 d	價格 Price
PS2B-ST-002	0.2	0.4	0.1	50	4	
PS2B-ST-003	0.3	0.6	0.15	50	4	
PS2B-ST-004	0.4	0.8	0.2	50	4	
PS2B-ST-005	0.5	1	0.25	50	4	
PS2B-ST-006	0.6	1.2	0.3	50	4	
PS2B-ST-007	0.7	1.4	0.35	50	4	
PS2B-ST-008	0.8	1.6	0.4	50	4	
PS2B-ST-009	0.9	1.8	0.45	50	4	
PS2B-ST-010	1	2	0.5	50	4	
PS2B-ST-015	1.5	3	0.75	50	4	
PS2B-ST-020	2	4	1	50	4	
PS2B-ST-025	2.5	5	1.25	50	4	
PS2B-ST-030d3	3	6	1.5	50	3	
PS2B-ST-030	3	6	1.5	50	4	
PS2B-ST-030d6	3	6	1.5	50	6	
PS2B-ST-035	3.5	7	1.75	50	4	
PS2B-ST-040	4	8	2	50	4	
PS2B-ST-040d6	4	8	2	50	6	
PS2B-ST-045	4.5	9	2.25	50	6	
PS2B-ST-050	5	10	2.5	50	6	
PS2B-ST-055	5.5	11	2.75	50	6	
PS2B-ST-060	6	12	3	50	6	
PS2B-ST-070	7	14	3.5	60	8	
PS2B-ST-080	8	16	4	60	8	
PS2B-ST-090	9	18	4.5	75	10	
PS2B-ST-100	10	20	5	75	10	
PS2B-ST-110	11	22	5.5	75	12	
PS2B-ST-120	12	24	6	75	12	
PS2B-ST-130	13	26	6.5	100	14	
PS2B-ST-140	14	28	7	100	14	
PS2B-ST-150	15	30	7.5	100	16	
PS2B-ST-160	16	32	8	100	16	
PS2B-ST-170	17	34	8.5	100	20	
PS2B-ST-180	18	36	9	100	20	
PS2B-ST-190	19	38	9.5	100	20	
PS2B-ST-200	20	40	10	100	20	

PS2B 2刃球刀 加長型
2 Flutes Ball nose End Mills,Long Length

K M P H HRC<58



R	公差 Tol
D<3	0~-0.01
D≥3	0~-0.015

單位unit (mm)

型號－外徑 Type No.	外徑 D	刃長 Lc	R 角 R	全長 L	柄徑 d	價格 Price
PS2B-LL-020	2	4	1	75	4	
PS2B-LL-030d3	3	6	1.5	75	3	
PS2B-LL-030	3	6	1.5	75	4	
PS2B-LL-040	4	8	2	75	4	
PS2B-LLL-040	4	8	2	100	4	
PS2B-LL-060	6	12	3	75	6	
PS2B-LLL-060	6	12	3	100	6	
PS2B-L-080	8	16	4	75	8	
PS2B-LL-080	8	16	4	100	8	
PS2B-LL-100	10	20	5	100	10	
PS2B-LLL-100	10	20	5	150	10	
PS2B-LL-120	12	24	6	100	12	
PS2B-LLL-120	12	24	6	150	12	
PS2B-LL-160	16	32	8	150	16	
PS2B-LL-200	20	40	10	150	20	

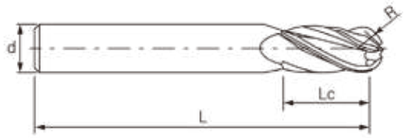
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	○			○	○	○		△	△

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

PS4B 4刃球刀
4 Flutes Ball nose End Mills

K M P H HRC 45-58



UMG Carbide SX Coating 30°

R	公差 Tol
D<3	0~-0.01
D≥3	0~-0.015

單位unit (mm)

型號－外徑 Type No.	外徑 D	刃長 Lc	R 角 R	全長 L	柄徑 d	價格 Price
PS4B-ST-020	2	4	1	50	4	
PS4B-ST-025	2.5	5	1.25	50	4	
PS4B-ST-030	3	6	1.5	50	4	
PS4B-ST-035	3.5	7	1.75	50	4	
PS4B-ST-040	4	8	2	50	4	
PS4B-ST-060	6	12	3	50	6	
PS4B-ST-080	8	16	4	60	8	
PS4B-ST-100	10	20	5	75	10	
PS4B-ST-120	12	24	6	75	12	
PS4B-ST-160	16	32	8	100	16	

Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	○			○	○	○		△	△

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

PS4B 4刃球刀 加長型
4 Flutes Ball nose End Mills,Long Length

K M P H HRC 45-58

UMG Carbide SX Coating 30°

R	公差 Tol
D<3	0~-0.01
D≥3	0~-0.015

單位unit (mm)

型號－外徑 Type No.	外徑 D	刃長 Lc	R 角 R	全長 L	柄徑 d	價格 Price
PS4B-LL-020	2	4	1	75	4	
PS4B-LL-025	2.5	5	1.25	75	4	
PS4B-LL-030	3	6	1.5	75	4	
PS4B-LL-035	3.5	7	1.75	75	4	
PS4B-LL-040	4	8	2	75	4	
PS4B-LL-060	6	12	3	75	6	
PS4B-LL-080	8	16	4	100	8	
PS4B-LL-100	10	20	5	100	10	
PS4B-LL-120	12	24	6	100	12	
PS4B-LL-160	16	32	8	150	16	

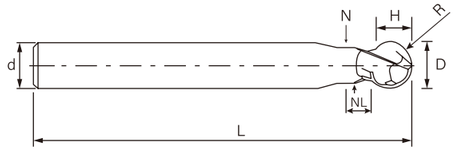
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	○			○	○	○		△	△

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

B260 2 刃球頭球型銑刀 260°
2 Flutes,260°Ball Nose End Mills

K M P H HRC 45-58



MG Carbide SX Coating

R	公差 Tol
D<3	0~-0.01
D≥3	0~-0.015

單位unit (mm)

標準型

型號－外徑 Type No.	外徑 D	R 角 R	刃長 H	頸徑 N	頸長 NL	全長 L	柄徑 d	價格 Price
B260-ST-020	2	1	1.63	1.53	3	50	4	
B260-ST-030	3	1.5	2.46	2.3	3	50	4	
B260-ST-040	4	2	3.30	3.06	5	50	4	
B260-ST-050	5	2.5	4.10	3.83	5	50	6	
B260-ST-060	6	3	4.93	4.6	5	50	6	
B260-ST-080	8	4.0	6.58	6.15	6	60	8	
B260-ST-100	10	5	8.22	7.66	8	75	10	
B260-ST-120	12	6.0	9.86	9.2	10	75	12	
B260-ST-160	16	8	13.37	12.26	10	100	16	

加長型

型號－外徑 Type No.	外徑 D	R 角 R	刃長 H	頸徑 N	頸長 NL	全長 L	柄徑 d	價格 Price
B260-LL-020	2	1	1.63	1.53	3	75	4	
B260-LL-030	3	1.5	2.46	2.3	3	75	4	
B260-LL-040	4	2	3.30	3.06	5	75	4	
B260-LL-050	5	2.5	4.10	3.83	5	75	6	
B260-LL-060	6	3	4.93	4.6	5	75	6	
B260-LL-080	8	4	6.58	6.15	6	100	8	
B260-LL-100	10	5	8.22	7.66	8	100	10	
B260-LL-120	12	6	9.86	9.2	10	100	12	

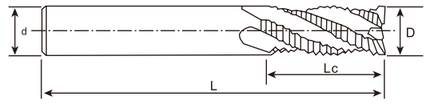
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	◉	○			○	○	○	○	△	△

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

HPR4S 4 刃鎢鋼塗層細目粗銑刀
4 Flutes Carbide Coating Roughing End Mills

K P H HRC 40-48



MG Carbide TX Coating 20° 45°

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號－外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
HPR4S-ST-050	5	13	50	6	
HPR4S-ST-060	6	15	50	6	
HPR4S-ST-070	7	20	60	8	
HPR4S-ST-080	8	20	60	8	
HPR4S-ST-100	10	25	75	10	
HPR4S-ST-120	12	30	75	12	
HPR4S-ST-160	16	40	100	16	
HPR4S-ST-200	20	45	100	20	

Work Material

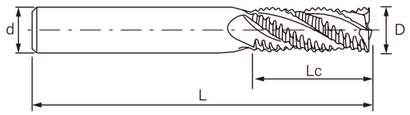
炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	△			○	○				

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

Steels • Cast Iron

HPR4X 4 刃鎢鋼塗層粗目粗銑刀
4 Flutes Carbide Coating Roughing End Mills

K P H HRC ≤38



MG Carbide | TX Coating | 35° | 45°

D	公差 Tol
D≤12	0~-0.015
D>12	0~-0.02

單位unit (mm)

型號－外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
HPR4X-ST-040	4	10	50	4	
HPR4X-ST-050	5	12	50	6	
HPR4X-ST-060	6	15	50	6	
HPR4X-ST-080	8	20	60	8	
HPR4X-ST-100	10	25	75	10	
HPR4X-ST-120	12	30	75	12	
HPR4X-ST-160	16	45	100	16	
HPR4X-ST-200	20	45	100	20	

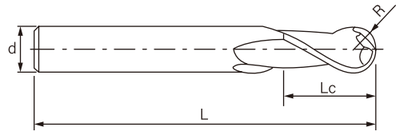
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	△			○	○				

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

MS2B 2 刃球刀不銹鋼專用
2 Flutes Ball nose End Mills For Stainless

M S P HRC ≤38



UMG Carbide | GX Coating | 30°

R	公差 Tol
D<3	0~-0.01
D≥3	0~-0.015

單位unit (mm)

型號－外徑 Type No.	外徑 D	刃長 Lc	R 角 R	全長 L	柄徑 d	價格 Price
MS2B-ST-010	1	2	0.5	50	4	
MS2B-ST-015	1.5	3	0.75	50	4	
MS2B-ST-020	2	4	1	50	4	
MS2B-ST-030	3	6	1.5	50	4	
MS2B-ST-030d6	3	6	1.5	50	6	
MS2B-ST-040	4	8	2	50	4	
MS2B-ST-040d6	4	8	2	50	6	
MS2B-ST-050	5	10	2.5	50	6	
MS2B-ST-060	6	12	3	50	6	
MS2B-ST-080	8	14	4	60	8	
MS2B-ST-100	10	18	5	75	10	
MS2B-ST-120	12	22	6	75	12	

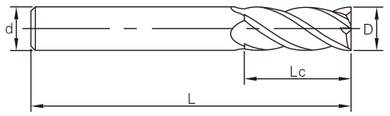
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	○	○				◉		○		○	○

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

MS4S 4 刃不銹鋼專用平刀
4 Flutes End Mills For Stainless

M S P HRC 48



UMG Carbide | GX Coating | 45° | 90°

D	公差 Tol
D≤12	0–0.015
D > 12	0–0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
MS4S-ST-010	1	3	50	4	
MS4S-ST-015	1.5	5	50	4	
MS4S-ST-020	2	6	50	4	
MS4S-ST-025	2.5	8	50	4	
MS4S-ST-030d3	3	9	50	3	
MS4S-ST-030	3	9	50	4	
MS4S-ST-030d6	3	9	50	6	
MS4S-ST-040	4	11	50	4	
MS4S-ST-040d6	4	11	50	6	
MS4S-ST-050d5	5	13	50	5	
MS4S-ST-050	5	13	50	6	
MS4S-ST-060	6	16	50	6	
MS4S-ST-06018	6	18	50	6	
MS4S-ST-070	7	20	60	8	
MS4S-ST-080	8	20	60	8	
MS4S-ST-08025	8	25	60	8	
MS4S-ST-100	10	25	75	10	
MS4S-ST-10032	10	32	75	10	
MS4S-ST-115	11.5	30	75	12	
MS4S-ST-120	12	30	75	12	
MS4S-ST-12032	12	32	75	12	
MS4S-ST-12036	12	36	75	12	
MS4S-ST-150	15	40	100	16	
MS4S-ST-160	16	40	100	16	

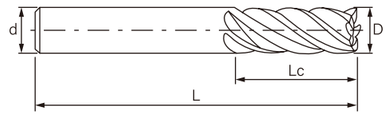
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	○	○				◉		○		○	○

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

MX5S 5 刃平刀
5 Flutes End Mills

M S P HRC 52



UMG Carbide | TX Coating | 39/41° | 90°

D	公差 Tol
D≤12	0–0.015
D > 12	0–0.02

單位unit (mm)

型號 – 外徑 –R 角 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
MX5S-ST-040d6	4	11	50	6	
MX5S-ST-060	6	15	50	6	
MX5S-ST-080	8	20	60	8	
MX5S-ST-100	10	25	75	10	
MX5S-ST-120	12	32	75	12	
MX5S-ST-160	16	45	100	16	

Work Material

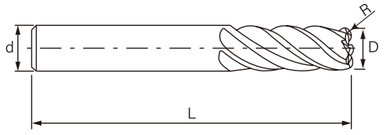
炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	○	○				◉		○		○	○

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

Stainless Steel

MX5R 5刃R角平刀
4 Flutes Corner Radius End Mills

M S P HRC 52



UMG Carbide | TX Coating | 39/41° | R

D	公差 Tol
D≤12	0–0.015
D > 12	0–0.02

單位unit (mm)

型號 – 外徑 –R 角 Type No.	外徑 D	刃長 Lc	R 角 R	全長 L	柄徑 d	價格 Price
MX5R-ST-04005d6	4	11	0.5	50	6	
MX5R-ST-06005	6	15	0.5	50	6	
MX5R-ST-08005	8	20	0.5	60	8	
MX5R-ST-10005	10	25	0.5	75	10	
MX5R-ST-12005	12	32	0.5	75	12	
MX5R-ST-16005	16	45	0.5	100	16	

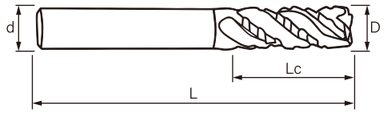
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	○	○				◉		○		○	○

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

XS4R 4刃抗震粗銑刀
4 Flutes Anti Vibration Ripper End Mills

M S P HRC 48



UMG Carbide | TX Coating | 45° | R

D	公差 Tol
D≤12	0–0.015
D > 12	0–0.02

單位unit (mm)

型號 – 外徑 –R 角 Type No.	外徑 D	刃長 Lc	R 角 R	全長 L	柄徑 d	價格 Price
XS4R-50-04005	4	10	0.5	50	6	
XS4R-50-06005	6	15	0.5	50	6	
XS4R-60-08005	8	20	0.5	60	8	
XS4R-75-10010	10	25	1	75	10	
XS4R-75-12010	12	30	1	75	12	
XS4R-100-16010	16	45	1	100	16	

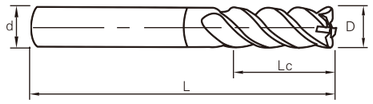
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	○	○				◉		○		○	○

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

ES4R 4刃高硬R角刀
4 Flutes High hardness,Corner Radius End Mills

P H HRC 62



SMG Carbide | TX Coating | 45° | R

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號－外徑－R角 Type No.	外徑 D	刃長 Lc	R角 R	全長 L	柄徑 d	價格 Price
ES4R-50-01001	1	3	0.1	50	4	
ES4R-75-01001	1	3	0.1	75	4	
ES4R-50-01002	1	3	0.2	50	4	
ES4R-75-01002	1	3	0.2	75	4	
ES4R-50-01501	1.5	4	0.1	50	4	
ES4R-75-01501	1.5	4	0.1	75	4	
ES4R-50-01502	1.5	4	0.2	50	4	
ES4R-75-01502	1.5	4	0.2	75	4	
ES4R-50-02001	2	6	0.1	50	4	
ES4R-75-02001	2	6	0.1	75	4	
ES4R-50-02002	2	6	0.2	50	4	
ES4R-75-02002	2	6	0.2	75	4	
ES4R-50-02005	2	6	0.5	50	4	
ES4R-75-02005	2	6	0.5	75	4	
ES4R-50-02502	2.5	7	0.2	50	4	
ES4R-75-02502	2.5	7	0.2	75	4	
ES4R-50-03002	3	8	0.2	50	4	
ES4R-75-03002	3	8	0.2	75	4	
ES4R-50-03005	3	8	0.5	50	4	
ES4R-75-03005	3	8	0.5	75	4	
ES4R-50-04001	4	10	0.1	50	4	
ES4R-50-04002	4	10	0.2	50	4	
ES4R-75-04002	4	10	0.2	75	4	
ES4R-50-04003	4	10	0.3	50	4	
ES4R-50-04005	4	10	0.5	50	4	
ES4R-50-04005 d6	4	10	0.5	50	6	
ES4R-75-04005	4	10	0.5	75	4	
ES4R-100-04005	4	10	0.5	100	4	
ES4R-50-04010	4	10	1	50	4	
ES4R-50-05002	5	13	0.2	50	6	
ES4R-75-05002	5	13	0.2	75	6	
ES4R-100-05002	5	13	0.2	100	6	
ES4R-50-05005	5	13	0.5	50	6	
ES4R-75-05005	5	13	0.5	75	6	
ES4R-100-05005	5	13	0.5	100	6	
ES4R-50-06001	6	15	0.1	50	6	
ES4R-50-06002	6	15	0.2	50	6	
ES4R-75-06002	6	15	0.1	75	6	
ES4R-100-06002	6	15	0.2	100	6	
ES4R-50-06005	6	15	0.5	50	6	
ES4R-75-06005	6	15	0.5	75	6	
ES4R-100-06005	6	15	0.5	100	6	
ES4R-50-06010	6	15	1	50	6	
ES4R-75-06010	6	15	1	75	6	
ES4R-100-06010	6	15	1	100	6	
ES4R-60-08002	8	20	0.2	60	8	
ES4R-75-08002	8	20	0.2	75	8	
ES4R-100-08002	8	20	0.2	100	8	
ES4R-60-08005	8	20	0.5	60	8	
ES4R-75-08005	8	20	0.5	75	8	
ES4R-100-08005	8	20	0.5	100	8	
ES4R-60-08010	8	20	1	60	8	
ES4R-75-08010	8	20	1	75	8	
ES4R-60-08020	8	20	2	60	8	
ES4R-100-08010	8	20	1	100	8	
ES4R-75-10002	10	25	0.2	75	10	
ES4R-100-10002	10	25	0.2	100	10	
ES4R-150-10002	10	25	0.2	150	10	
ES4R-75-10005	10	25	0.5	75	10	
ES4R-100-10005	10	25	0.5	100	10	
ES4R-150-10005	10	25	0.5	150	10	
ES4R-75-10010	10	25	1	75	10	
ES4R-100-10010	10	25	1	100	10	
ES4R-150-10010	10	25	1	150	10	
ES4R-75-10020	10	25	2	75	10	
ES4R-100-10020	10	25	2	100	10	
ES4R-150-10020	10	25	2	150	10	
ES4R-75-12005	12	30	0.5	75	12	
ES4R-100-12005	12	30	0.5	100	12	
ES4R-150-12005	12	30	0.5	150	12	
ES4R-75-12010	12	30	1	75	12	
ES4R-100-12010	12	30	1	100	12	
ES4R-150-12010	12	30	1	150	12	
ES4R-75-12020	12	30	2	75	12	
ES4R-100-12020	12	30	2	100	12	
ES4R-150-12020	12	30	2	150	12	
ES4R-100-16005	16	40	0.5	100	16	
ES4R-100-16010	16	40	1	100	16	
ES4R-150-16010	16	40	1	150	16	
ES4R-100-16020	16	40	2	100	16	
ES4R-150-16020	16	40	2	150	16	

Work Material

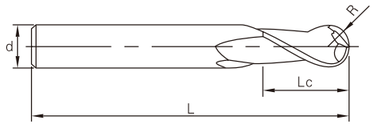
炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
○	◉	◉	◉	○							

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

Hardened Steels

ES2B 2刃高硬球刀
2 Flutes High hardness Ball nose End Mills

H HRC 52



SMG Carbide | TX Coating | 25° | U

R	公差 Tol
D < 3	0~-0.01
D ≥ 3	0~-0.015

單位unit (mm)

型號－外徑－R角 Type No.	外徑 D	刃長 Lc	R角 R	全長 L	柄徑 d	價格 Price
ES2B-50-010	1	2	0.5	50	4	
ES2B-75-010	1	2	0.5	75	4	
ES2B-50-015	1.5	3	0.75	50	4	
ES2B-75-015	1.5	3	0.75	75	4	
ES2B-50-020	2	4	1	50	4	
ES2B-75-020	2	4	1	75	4	
ES2B-75-020d6	2	4	1	75	6	
ES2B-50-025	2.5	5	1.25	50	4	
ES2B-75-025	2.5	5	1.25	75	4	
ES2B-50-030	3	6	1.5	50	4	
ES2B-50-030d6	3	6	1.5	50	6	
ES2B-75-030	3	6	1.5	75	4	
ES2B-75-030d6	3	6	1.5	75	6	
ES2B-50-035	3.5	7	1.75	50	4	
ES2B-50-040	4	8	2	50	4	
ES2B-50-040d6	4	8	2	50	6	
ES2B-75-040	4	8	2	75	4	
ES2B-75-040d6	4	8	2	75	6	
ES2B-50-050	5	10	2.5	50	6	
ES2B-75-050	5	10	2.5	75	6	
ES2B-100-050	5	10	2.5	100	6	
ES2B-50-060	6	12	3	50	6	
ES2B-75-060	6	12	3	75	6	
ES2B-100-060	6	12	3	100	6	

Work Material

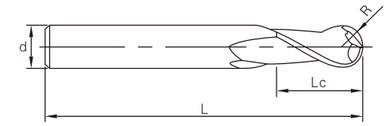
炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
○	◉	◉	◉	○							

◉ 最適合加 ○ 適合加工 Suitable △ 可加工 Machinable

Hardened Steels

ES2B 2刃高硬球刀
2 Flutes High hardness Ball nose End Mills

H HRC 52



SMG Carbide | TX Coating | 25° | U

R	公差 Tol
D < 3	0~-0.01
D ≥ 3	0~-0.015

單位unit (mm)

型號－外徑－R角 Type No.	外徑 D	刃長 Lc	R角 R	全長 L	柄徑 d	價格 Price
ES2B-60-070	7	14	3.5	60	8	
ES2B-60-080	8	16	4	60	8	
ES2B-75-080	8	16	4	75	8	
ES2B-100-080	8	16	4	100	8	
ES2B-75-100	10	20	5	75	10	
ES2B-100-100	10	20	5	100	10	
ES2B-150-100	10	20	5	150	10	
ES2B-75-120	12	24	6	75	12	
ES2B-100-120	12	24	6	100	12	
ES2B-150-120	12	24	6	150	12	
ES2B-100-160	16	32	8	100	16	
ES2B-150-160	16	32	8	150	16	

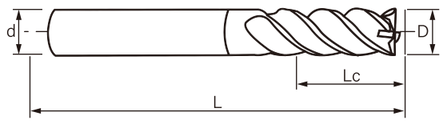
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
○	◉	◉	◉	○							

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

ES4S 4刃高硬平刀
4 Flutes High hardness End Mills

P H HRC 62



SMG Carbide | TX Coating | 45° | 90°

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
ES4S-50-010	1	3	50	4	
ES4S-75-010	1	3	75	4	
ES4S-50-015	1.5	4	50	4	
ES4S-75-015	1.5	4	75	4	
ES4S-50-020	2	6	50	4	
ES4S-75-020	2	6	75	4	
ES4S-50-025	2.5	7	50	4	
ES4S-75-025	2.5	7	50	4	
ES4S-50-030	3	8	50	4	
ES4S-50-030d6	3	8	50	6	
ES4S-75-030	3	8	75	4	
ES4S-50-040	4	11	50	4	
ES4S-50-040d6	4	11	50	6	
ES4S-75-040	4	11	75	4	
ES4S-50-050	5	13	50	6	
ES4S-75-050	5	13	75	6	
ES4S-100-050	5	13	100	6	
ES4S-50-060	6	15	50	6	
ES4S-75-060	6	15	75	6	
ES4S-100-060	6	15	100	6	
ES4S-60-080	8	20	60	8	
ES4S-75-080	8	20	75	8	

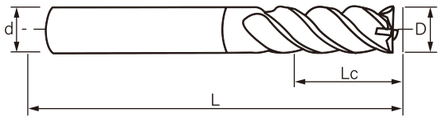
Work Material

炭素鋼 CARBON STEELS 工具鋼 STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS ALLOY	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
○	◉	◉	◉	○							

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

ES4S 4刃高硬平刀
4 Flutes High hardness End Mills

P H HRC 62



SMG Carbide | TX Coating | 45° | 90°

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
ES4S-100-080	8	20	100	8	
ES4S-75-100	10	25	75	10	
ES4S-100-100	10	25	100	10	
ES4S-150-100	10	25	150	10	
ES4S-75-120	12	30	75	12	
ES4S-100-120	12	30	100	12	
ES4S-150-120	12	30	150	12	
ES4S-100-160	16	36	100	16	
ES4S-150-160	16	36	150	16	

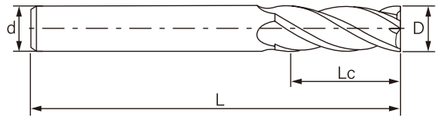
Work Material

炭素鋼 CARBON STEELS 工具鋼 STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS ALLOY	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
○	◉	◉	◉	○							

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

HS4S 4 刃高硬平刀
4 Flutes High hardness End Mills

P H HRC 62



SMG Carbide | NB Coating | 35° | 90°

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
HS4S-ST-010NB	1	2.5	50	4	
HS4S-ST-015NB	1.5	4	50	4	
HS4S-ST-020NB	2	5	50	4	
HS4S-ST-025NB	2.5	6.5	50	4	
HS4S-ST-030NB	3	8	50	4	
HS4S-ST-030d6NB	3	8	50	6	
HS4S-ST-040NB	4	10	50	4	
HS4S-ST-040d6NB	4	10	50	6	
HS4S-ST-050NB	5	12.5	50	6	
HS4S-ST-060NB	6	15	50	6	
HS4S-ST-080NB	8	20	60	8	
HS4S-ST-100NB	10	25	75	10	
HS4S-ST-120NB	12	30	75	12	
HS4S-ST-160NB	16	45	100	16	

加長型

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
HS4S-LL-040NB	4	10	75	4	
HS4S-LL-060NB	6	15	75	6	
HS4S-LL-080NB	8	20	100	8	
HS4S-LL-100NB	10	25	100	10	
HS4S-LL-120NB	12	30	100	12	
HS4S-LL-160NB	16	45	150	16	

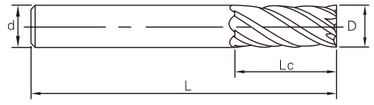
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
	○	○	◉	◉	◉						

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

HS6S 6 刃高硬平刀
6 Flutes High hardness End Mills

H HRC 68



SMG Carbide | NB Coating | 55° | 90°

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 – R 角 Type No.	外徑 D	刃長 Lc	R 角 R	全長 L	柄徑 d	價格 Price
HS6S-ST-040NB	4	10	50		4	
HS6S-ST-060NB	6	15	50		6	
HS6S-ST-080NB	8	20	60		8	
HS6S-ST-100NB	10	25	75		10	
HS6S-ST-120NB	12	30	75		12	
HS6S-ST-160NB	16	45	100		16	

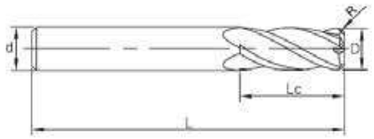
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
	○	○	◉	◉	◉						

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

HS4R 4刃高硬R角刀
4 Flutes High hardness,Corner Radius End Mills

H HRC 68



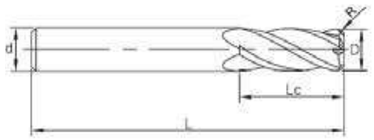
SMG Carbide NB Coating 35° R

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號－外徑－R角 Type No.	外徑 D	刃長 Lc	R 角 R	全長 L	柄徑 d	價格 Price
HS4R-ST-01002NB	1	2.5	0.2	50	4	
HS4R-ST-01003NB	1	2.5	0.3	50	4	
HS4R-ST-01502NB	1.5	3.75	0.2	50	4	
HS4R-ST-01503NB	1.5	3.75	0.3	50	4	
HS4R-ST-02002NB	2	5	0.2	50	4	
HS4R-ST-02003NB	2	5	0.3	50	4	
HS4R-ST-02005NB	2	5	0.5	50	4	
HS4R-ST-03002NB	3	6	0.2	50	4/6	
HS4R-ST-03003NB	3	6	0.3	50	4/6	
HS4R-ST-03005NB	3	6	0.5	50	4/6	
HS4R-ST-03010NB	3	6	1	50	4/6	
HS4R-ST-04002NB	4	8	0.2	50	4/6	
HS4R-ST-04003NB	4	8	0.3	50	4/6	
HS4R-ST-04005NB	4	8	0.5	50	4/6	
HS4R-ST-04010NB	4	8	1	50	4/6	
HS4R-ST-05002NB	5	10	0.2	50	6	
HS4R-ST-05005NB	5	10	0.5	50	6	
HS4R-ST-05010NB	5	10	1	50	6	
HS4R-ST-06002NB	6	12	0.2	50	6	
HS4R-ST-06003NB	6	12	0.3	50	6	
HS4R-ST-06005NB	6	12	0.5	50	6	
HS4R-ST-06010NB	6	12	1	50	6	
HS4R-ST-08003NB	8	16	0.3	60	8	
HS4R-ST-08005NB	8	16	0.5	60	8	
HS4R-ST-08010NB	8	16	1	60	8	
HS4R-ST-10003NB	10	20	0.3	75	10	
HS4R-ST-10005NB	10	20	0.5	75	10	
HS4R-ST-10010NB	10	20	1	75	10	
HS4R-ST-10015NB	10	20	1.5	75	10	
HS4R-ST-10020NB	10	20	2	75	10	
HS4R-ST-12003NB	12	24	0.3	75	12	
HS4R-ST-12005NB	12	24	0.5	75	12	
HS4R-ST-12010NB	12	24	1	75	12	

HS4R 4刃高硬R角刀
4 Flutes High hardness,Corner Radius End Mills



SMG Carbide NB Coating 35° R

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號－外徑－R角 Type No.	外徑 D	刃長 Lc	R 角 R	全長 L	柄徑 d	價格 Price
HS4R-ST-12015NB	12	24	1.5	75	12	
HS4R-ST-12020NB	12	24	2	75	12	

Work Material

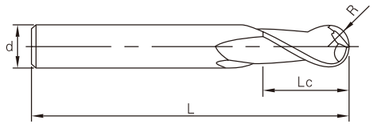
炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
	○	○	◉	◉	◉						

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

Hardened Steels

HS2B 2刃高硬球刀
2 Flutes High hardness Ball nose End Mills

H HRC 68



SMG Carbide NB Coating 30°

R	公差 Tol
D < 3	0~-0.01
D ≥ 3	0~-0.015

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	R 角 R	全長 L	柄徑 d	價格 Price
HS2B-ST-010NB	1	2	0.5	50	4	
HS2B-ST-015NB	1.5	3	0.75	50	4	
HS2B-ST-020NB	2	4	1	50	4	
HS2B-ST-020d6NB	2	4	1	50	6	
HS2B-ST-025NB	2.5	5	1.25	50	4	
HS2B-ST-025d6NB	2.5	5	1.25	50	6	
HS2B-ST-030NB	3	6	1.5	50	4	
HS2B-ST-030d6NB	3	6	1.5	50	6	
HS2B-ST-035d6NB	3.5	7	1.75	50	6	
HS2B-ST-040NB	4	8	2	50	4	
HS2B-ST-040d6NB	4	8	2	50	6	
HS2B-ST-050NB	5	10	2.5	50	6	
HS2B-ST-055NB	5.5	11	2.75	50	6	
HS2B-ST-060NB	6	12	3	50	6	
HS2B-ST-080NB	8	16	4	60	8	
HS2B-ST-100NB	10	20	5	75	10	
HS2B-ST-120NB	12	24	6	75	12	
HS2B-ST-160NB	16	32	8	100	16	

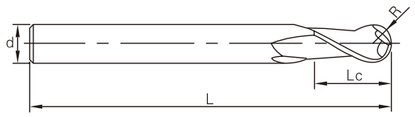
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
	○	○	◉	◉	◉						

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

HS2B 2刃高硬球刀 加長型
2 Flutes High hardness Ball nose End Mills,Long Length

H HRC 68



SMG Carbide NB Coating 30°

R	公差 Tol
D < 3	0~-0.01
D ≥ 3	0~-0.015

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	R 角 R	全長 L	柄徑 d	價格 Price
HS2B-LL-010NB	1	2	0.5	75	4	
HS2B-LL-020NB	2	4	1	75	4	
HS2B-LL-020d6NB	2	4	1	75	6	
HS2B-LL-030NB	3	6	1.5	75	4	
HS2B-LL-030d6NB	3	6	1.5	75	6	
HS2B-LL-040NB	4	8	2	75	4	
HS2B-LL-040d6NB	4	8	2	75	6	
HS2B-LL-050NB	5	10	2.5	75	6	
HS2B-LL-060NB	6	12	3	75	6	
HS2B-L-080NB	8	16	4	75	8	
HS2B-LL-080NB	8	16	4	100	8	
HS2B-LL-100NB	10	20	5	100	10	
HS2B-LL-120NB	12	24	6	100	12	
HS2B-LL-160NB	16	32	8	150	16	

Work Material

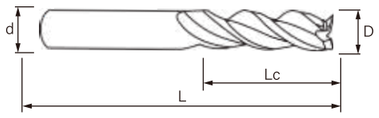
炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
	○	○	◉	◉	◉						

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

Hardened Steels

NS3S 鋁合金專用銑刀 暴力型
3 Flutes End Mills-Violence Cutting For Aluminum

N



D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
NS3S-3D-010	1	3	50	4	
NS3S-3D-015	1.5	4.5	50	4	
NS3S-3D-020	2	6	50	4	
NS3S-3D-025	2.5	7.5	50	4	
NS3S-3D-030d3	3	9	50	3	
NS3S-3D-030	3	9	50	4	
NS3S-3D-030d6	3	9	50	6	
NS3S-3D-040	4	12	50	4	
NS3S-3D-040d6	4	12	50	6	
NS3S-3D-050	5	15	50	6	
NS3S-3D-060	6	18	50	6	
NS3S-3D-080	8	24	60	8	
NS3S-3D-100	10	30	75	10	
NS3S-3D-120	12	36	75	12	
NS3S-3D-160	16	50	100	16	
NS3S-3D-200	20	60	100	20	

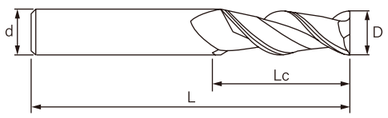
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
								○	◉		

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

AL2S 鋁合金專用銑刀
2 Flutes End Mills For Aluminum

N



D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
AL2S-ST-001	0.1	0.2	50	4	
AL2S-ST-002	0.2	0.4	50	4	
AL2S-ST-003	0.3	0.6	50	4	
AL2S-ST-004	0.4	0.8	50	4	
AL2S-ST-005	0.5	1	50	4	
AL2S-ST-006	0.6	1.2	50	4	
AL2S-ST-007	0.7	1.4	50	4	
AL2S-ST-008	0.8	1.6	50	4	
AL2S-ST-009	0.9	1.8	50	4	
AL2S-ST-010	1	3	50	4	
AL2S-ST-015	1.5	4.5	50	4	
AL2S-ST-020	2	6	50	4	
AL2S-ST-025	2.5	7.5	50	4	
AL2S-ST-030	3	9	50	4	
AL2S-ST-040	4	12	50	4	
AL2S-ST-050	5	15	50	6	
AL2S-ST-060	6	18	50	6	
AL2S-ST-080	8	24	60	8	
AL2S-ST-100	10	30	75	10	
AL2S-ST-120	12	36	75	12	
AL2S-ST-160	16	48	100	16	
AL2S-ST-200	20	60	100	20	

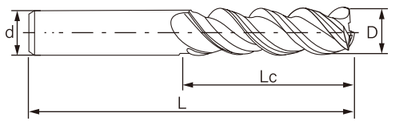
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
								○	◉		

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

AL3S 鋁合金專用銑刀 強力型
3 Flutes End Mills-Power Cutting For Aluminum

N



D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
AL3S-ST-010	1	3	50	4	
AL3S-ST-015	1.5	4	50	4	
AL3S-ST-020	2	6	50	4	
AL3S-ST-020d6	2	6	50	6	
AL3S-ST-025	2.5	8	50	4	
AL3S-ST-025d6	2.5	8	50	6	
AL3S-ST-030d3	3	9	50	3	
AL3S-ST-030	3	9	50	4	
AL3S-ST-030d6	3	9	50	6	
AL3S-ST-035	3.5	11	50	4	
AL3S-ST-040	4	12	50	4	
AL3S-ST-040d6	4	12	50	6	
AL3S-ST-045	4.5	14	50	6	
AL3S-ST-050	5	13	50	6	
AL3S-ST-055	5.5	17	50	6	
AL3S-ST-060	6	15	50	6	
AL3S-ST-070	7	21	60	8	
AL3S-ST-080	8	20	60	8	
AL3S-ST-090	9	25	75	10	
AL3S-ST-100	10	25	75	10	
AL3S-ST-120	12	30	75	12	
AL3S-ST-160	16	50	100	16	
AL3S-ST-16055	16	55	100	16	
AL3S-ST-200	20	55	100	20	

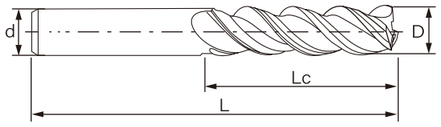
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
								○	◉		

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

AL3S 鋁合金專用銑刀 強力型 3D
3 Flutes End Mills-Power Cutting For Aluminum

N



D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
AL3S-3D-05015	5	15	50	6	
AL3S-3D-06018	6	18	50	6	
AL3S-3D-08025	8	25	60	8	
AL3S-3D-10030	10	30	75	10	
AL3S-3D-12036	12	36	75	12	

Work Material

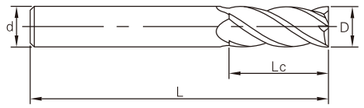
炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
								○	◉		

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

Copper • Aluminum

AL3S 鋁合金專用銑刀 強力型 4D（長刃型） N

3 Flutes End Mills-Power Cutting long blade For Aluminum 4D



D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號－外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
AL3S-4D-01004	1	4	50	4	
AL3S-4D-01506	1.5	6	50	4	
AL3S-4D-02008	2	8	50	4	
AL3S-4D-02510	2.5	10	50	4	
AL3S-4D-03012	3	12	50	4	
AL3S-4D-03012d6	3	12	50	6	
AL3S-4D-04016	4	16	50	4	
AL3S-4D-04016d6	4	16	50	6	
AL3S-4D-05020	5	20	75	6	
AL3S-4D-06025	6	25	75	6	
AL3S-4D-08032	8	32	75	8	
AL3S-4D-10040	10	40	100	10	
AL3S-4D-12050	12	50	100	12	
AL3S-4D-16065	16	65	150	16	
AL3S-4D-20080	20	80	150	20	

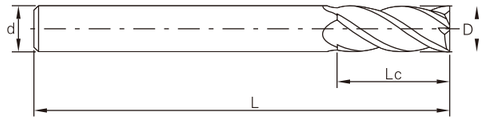
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
								○	◉		

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

AL3S 鋁合金專用銑刀 強力型 5D（長刃型） N

3 Flutes End Mills-Power Cutting long blade For Aluminum 5D



D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號－外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
AL3S-5D-01005	1	5	50	4	
AL3S-5D-01508	1.5	8	50	4	
AL3S-5D-02010	2	10	50	4	
AL3S-5D-02513	2.5	13	50	4	
AL3S-5D-03015	3	15	75	4	
AL3S-5D-03015d6	3	15	75	6	
AL3S-5D-04020	4	20	75	4	
AL3S-5D-04020d6	4	20	75	6	
AL3S-5D-05025	5	25	75	6	
AL3S-5D-06030	6	30	75	6	
AL3S-5D-08040	8	40	100	8	
AL3S-5D-10050	10	50	100	10	
AL3S-5D-12060	12	60	100	12	
AL3S-5D-16080	16	80	150	16	
AL3S-5D-200100	20	100	150	20	

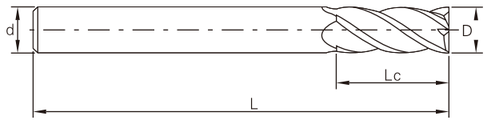
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
								○	◉		

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

AL3S-LL 鋁合金專用銑刀 強力型（長柄型） N

3 Flutes End Mills-High Power long handle For Aluminum



D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號－外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
AL3S-LL-040	4	12	100	4	
AL3S-LL-060	6	16	100	6	
AL3S-LL-080	8	20	100	8	
AL3S-LL-100	10	25	100	10	
AL3S-LLL-100	10	25	150	10	
AL3S-LL-120	12	30	100	12	
AL3S-LLL-120	12	30	150	12	
AL3S-LL-160	16	50	150	16	
AL3S-LL-200	20	60	150	20	

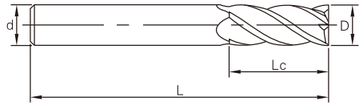
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
								○	◉		

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

AL3SE 鋁合金專用銑刀 高效型 N

3 Flutes End Mills-High Performance For Aluminum



D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號－外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
AL3SE-ST-010	1	3	50	4	
AL3SE-ST-015	1.5	5	50	4	
AL3SE-ST-020	2	6	50	4	
AL3SE-ST-020d6	2	6	50	6	
AL3SE-ST-025	2.5	8	50	4	
AL3SE-ST-025d6	2.5	8	50	6	
AL3SE-ST-030	3	9	50	4	
AL3SE-ST-030d6	3	9	50	6	
AL3SE-ST-040	4	12	50	4	
AL3SE-ST-040d6	4	12	50	6	
AL3SE-ST-050	5	13	50	6	
AL3SE-ST-060	6	15	50	6	
AL3SE-ST-080	8	20	60	8	
AL3SE-ST-100	10	25	75	10	
AL3SE-ST-120	12	30	75	12	
AL3SE-ST-160	16	40	100	16	
AL3SE-ST-200	20	50	100	20	
AL3SE-3D-05015d5	5	15	50	5	
AL3SE-3D-05015	5	15	50	6	
AL3SE-3D-06018	6	18	50	6	
AL3SE-3D-08024	8	24	60	8	
AL3SE-3D-10030	10	30	75	10	
AL3SE-3D-12036	12	36	75	12	
AL3SE-3D-16048	16	48	100	16	
AL3SE-3D-20060	20	60	100	20	

Work Material

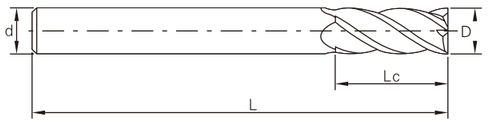
炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
								○	◉		

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

Copper • Aluminum

AL3SE-LL 鋁合金專用銑刀 高效型（長柄型） N

3 Flutes End Mills-High Performance For Aluminum



D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號－外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
AL3SE-LL-040	4	12	100	4	
AL3SE-LL-060	6	16	100	6	
AL3SE-LL-080	8	20	100	8	
AL3SE-LL-100	10	25	100	10	
AL3SE-LLL-100	10	25	150	10	
AL3SE-LL-120	12	30	100	12	
AL3SE-LLL-120	12	30	150	12	
AL3SE-LL-160	16	40	150	16	
AL3SE-LL-200	20	50	150	20	

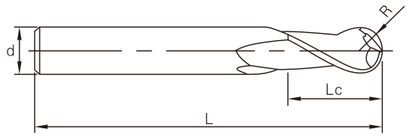
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
								○	◉		

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

AL2B 鋁合金球刀 N

2 Flutes Ball nose End Mills For Aluminum



R	公差 Tol
D<3	0~-0.01
D≥3	0~-0.015

單位unit (mm)

型號－外徑－R角 Type No.	外徑 D	刃長 Lc	R 角 R	全長 L	柄徑 d	價格 Price
AL2B-ST-002	0.2	0.4	0.1	50	4	
AL2B-ST-003	0.3	0.6	0.15	50	4	
AL2B-ST-004	0.4	0.8	0.2	50	4	
AL2B-ST-005	0.5	1	0.25	50	4	
AL2B-ST-006	0.6	1.2	0.3	50	4	
AL2B-ST-007	0.7	1.4	0.35	50	4	
AL2B-ST-008	0.8	1.6	0.4	50	4	
AL2B-ST-009	0.9	1.8	0.45	50	4	
AL2B-ST-010	1	2	0.5	50	4	
AL2B-ST-015	1.5	3	0.75	50	4	
AL2B-ST-020	2	4	1	50	4	
AL2B-ST-025	2.5	5	1.25	50	4	
AL2B-ST-030d3	3	6	1.5	50	3	
AL2B-ST-030	3	6	1.5	50	4	
AL2B-ST-035	3.5	7	1.75	50	4	
AL2B-ST-040	4	8	2	50	4	
AL2B-ST-050	5	10	2.5	50	6	
AL2B-ST-060	6	12	3	50	6	
AL2B-ST-080	8	16	4	60	8	
AL2B-ST-100	10	20	5	75	10	
AL2B-ST-120	12	24	6	75	12	
AL2B-ST-160	16	32	8	100	16	
AL2B-ST-200	20	40	10	100	20	

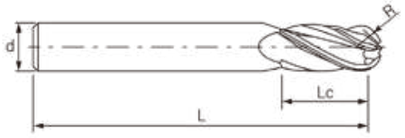
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
								○	◉		

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

AL4B 4 刃鋁用球刀 加長型
4 Flutes Ball nose End Mills For Aluminum

N



R	公差 Tol
D<3	0~-0.01
D≥3	0~-0.015

單位unit (mm)

標準型

型號－外徑－R角 Type No.	外徑 D	刃長 Lc	R 角 R	全長 L	柄徑 d	價格 Price
AL4B-ST-020	2	4	1	50	4	
AL4B-ST-025	2.5	5	1.25	50	4	
AL4B-ST-030	3	6	1.5	50	4	
AL4B-ST-035	3.5	7	1.75	50	4	
AL4B-ST-040	4	8	2	50	4	
AL4B-ST-060	6	12	3	50	6	
AL4B-ST-080	8	16	4	60	8	
AL4B-ST-100	10	20	5	75	10	
AL4B-ST-120	12	24	6	75	12	
AL4B-ST-160	16	32	8	100	16	

加長型

型號－外徑－R角 Type No.	外徑 D	刃長 Lc	R 角 R	全長 L	柄徑 d	價格 Price
AL4B-LL-020	2	4	1	75	4	
AL4B-LL-025	2.5	5	1.25	75	4	
AL4B-LL-030	3	6	1.5	75	4	
AL4B-LL-035	3.5	7	1.75	75	4	
AL4B-LL-040	4	8	2	75	4	
AL4B-LL-060	6	12	3	75	6	
AL4B-LL-080	8	16	4	100	8	
AL4B-LL-100	10	20	5	100	10	
AL4B-LL-120	12	24	6	100	12	
AL4B-LL-160	16	32	8	150	16	

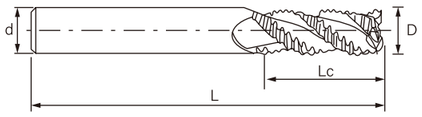
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
								○	◉		

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

ALHPR3S 3 刃鋁用波浪粗銑刀
3 Flutes Carbide Coating Roughing End Mills

N



D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號－外徑－R角 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
ALHPR3S-ST-040	4	10	50	4	
ALHPR3S-ST-050	5	12	50	6	
ALHPR3S-ST-060	6	15	50	6	
ALHPR3S-ST-080	8	20	60	8	
ALHPR3S-ST-100	10	25	75	10	
ALHPR3S-ST-120	12	30	75	12	
ALHPR3S-ST-160	16	45	100	16	
ALHPR3S-ST-200	20	45	100	20	

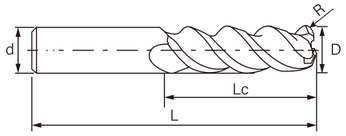
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
								○	◉		

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

AL3R 鋁合金R角刀
3 Flutes Corner Radius End Mills For Aluminum

N



D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號－外徑－R角 Type No.	外徑 D	刃長 Lc	R 角 R	全長 L	柄徑 d	價格 Price
AL3R-ST-03005	3	9	0.5	50	4	
AL3R-ST-03010	3	9	1	50	4	
AL3R-ST-04005	4	12	0.5	50	4	
AL3R-ST-04010	4	12	1	50	4	
AL3R-ST-04015	4	12	1.5	50	4	
AL3R-ST-05005	5	15	0.5	50	6	
AL3R-ST-05010	5	15	1	50	6	
AL3R-ST-05015	5	15	1.5	50	6	
AL3R-ST-06005	6	18	0.5	50	6	
AL3R-ST-06010	6	18	1	50	6	
AL3R-ST-06020	6	18	2	50	6	
AL3R-ST-08005	8	24	0.5	60	8	
AL3R-ST-08010	8	24	1	60	8	
AL3R-ST-08015	8	24	1.5	60	8	
AL3R-ST-08020	8	24	2	60	8	
AL3R-ST-10005	10	30	0.5	75	10	
AL3R-ST-10010	10	30	1	75	10	
AL3R-ST-10015	10	30	1.5	75	10	
AL3R-ST-10020	10	30	2	75	10	
AL3R-ST-10030	10	30	3	75	10	
AL3R-ST-12005	12	36	0.5	75	12	
AL3R-ST-12010	12	36	1	75	12	
AL3R-ST-12015	12	36	1.5	75	12	
AL3R-ST-12020	12	36	2	75	12	

Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
								○	◉		

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

Work Material

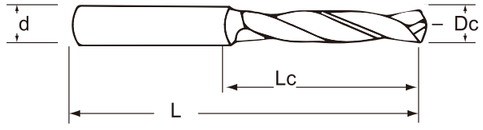
炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
								○	◉		

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

型號－外徑－R角 Type No.	外徑 D	刃長 Lc	R 角 R	全長 L	柄徑 d	價格 Price
AL3R-ST-12030	12	36	3	75	12	
AL3R-ST-16005	16	50	0.5	100	16	
AL3R-ST-16010	16	50	1	100	16	
AL3R-ST-16015	16	50	1.5	100	16	
AL3R-ST-16020	16	50	2	100	16	
AL3R-ST-16030	16	50	3	100	16	

ALD 高效率鋁用鎢鋼鑽頭 3D
Carbide Coating High Efficiency Dril / For Aluminum

N



D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

MG Carbide

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d
ALD-3D-0100	1	6	50	4
ALD-3D-0110	1.1	6	50	4
ALD-3D-0120	1.2	6	50	4
ALD-3D-0130	1.3	8	50	4
ALD-3D-0140	1.4	8	50	4
ALD-3D-0150	1.5	8	50	4
ALD-3D-0160	1.6	8	50	4
ALD-3D-0170	1.7	8	50	4
ALD-3D-0180	1.8	9	50	4
ALD-3D-0190	1.9	9	50	4
ALD-3D-0200	2	10	50	4
ALD-3D-0210	2.1	10	50	4
ALD-3D-0220	2.2	10	50	4
ALD-3D-0230	2.3	12	50	4
ALD-3D-0240	2.4	12	50	4
ALD-3D-0250	2.5	12	50	4
ALD-3D-0260	2.6	14	50	4
ALD-3D-0270	2.7	14	50	4
ALD-3D-0280	2.8	14	50	4
ALD-3D-0290	2.9	14	50	4
ALD-3D-0300	3	16	50	4
ALD-3D-0310	3.1	16	50	4
ALD-3D-0320	3.2	16	50	4
ALD-3D-0330	3.3	16	50	4
ALD-3D-0340	3.4	16	50	4
ALD-3D-0350	3.5	16	50	4
ALD-3D-0360	3.6	18	50	4
ALD-3D-0370	3.7	18	50	4
ALD-3D-0380	3.8	18	50	4
ALD-3D-0390	3.9	18	50	4
ALD-3D-0400	4	18	50	4
ALD-3D-0410	4.1	18	50	6
ALD-3D-0420	4.2	18	50	6
ALD-3D-0430	4.3	18	50	6

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d
ALD-3D-0440	4.4	18	50	6
ALD-3D-0450	4.5	18	50	6
ALD-3D-0460	4.6	20	50	6
ALD-3D-0470	4.7	20	50	6
ALD-3D-0480	4.8	20	50	6
ALD-3D-0490	4.9	20	50	6
ALD-3D-0500	5	20	50	6
ALD-3D-0510	5.1	25	50	6
ALD-3D-0520	5.2	25	50	6
ALD-3D-0530	5.3	25	50	6
ALD-3D-0540	5.4	25	50	6
ALD-3D-0550	5.5	25	50	6
ALD-3D-0560	5.6	25	50	6
ALD-3D-0570	5.7	25	50	6
ALD-3D-0580	5.8	25	50	6
ALD-3D-0590	5.9	25	50	6
ALD-3D-0600	6	25	50	6
ALD-3D-0610	6.1	30	60	8
ALD-3D-0620	6.2	30	60	8
ALD-3D-0630	6.3	30	60	8
ALD-3D-0640	6.4	30	60	8
ALD-3D-0650	6.5	30	60	8
ALD-3D-0660	6.6	30	60	8
ALD-3D-0670	6.7	30	60	8
ALD-3D-0680	6.8	30	60	8
ALD-3D-0690	6.9	30	60	8
ALD-3D-0700	7	30	60	8
ALD-3D-0710	7.1	32	60	8
ALD-3D-0720	7.2	32	60	8
ALD-3D-0730	7.3	32	60	8
ALD-3D-0740	7.4	32	60	8
ALD-3D-0750	7.5	32	60	8
ALD-3D-0760	7.6	32	60	8
ALD-3D-0770	7.7	32	60	8

Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
									○	◉	

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

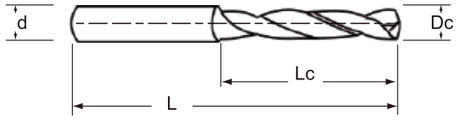
型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d
ALD-3D-0780	7.8	32	60	8
ALD-3D-0790	7.9	32	60	8
ALD-3D-0800	8	32	60	8
ALD-3D-0810	8.1	40	75	10
ALD-3D-0820	8.2	40	75	10
ALD-3D-0830	8.3	40	75	10
ALD-3D-0840	8.4	40	75	10
ALD-3D-0850	8.5	40	75	10
ALD-3D-0860	8.6	40	75	10
ALD-3D-0870	8.7	40	75	10
ALD-3D-0880	8.8	40	75	10
ALD-3D-0890	8.9	40	75	10
ALD-3D-0900	9	40	75	10
ALD-3D-0910	9.1	40	75	10
ALD-3D-0920	9.2	40	75	10
ALD-3D-0930	9.3	40	75	10
ALD-3D-0940	9.4	40	75	10
ALD-3D-0950	9.5	40	75	10
ALD-3D-0960	9.6	40	75	10
ALD-3D-0970	9.7	40	75	10
ALD-3D-0980	9.8	40	75	10
ALD-3D-0990	9.9	40	75	10
ALD-3D-1000	10	40	75	10
ALD-3D-1010	10.1	42	75	12
ALD-3D-1020	10.2	42	75	12
ALD-3D-1030	10.3	42	75	12
ALD-3D-1040	10.4	42	75	12
ALD-3D-1050	10.5	42	75	12
ALD-3D-1060	10.6	42	75	12
ALD-3D-1070	10.7	42	75	12
ALD-3D-1080	10.8	42	75	12
ALD-3D-1090	10.9	42	75	12
ALD-3D-1100	11	42	75	12
ALD-3D-1110	11.1	48	80	12

型號 – 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d
ALD-3D-1120	11.2	48	80	12
ALD-3D-1130	11.3	48	80	12
ALD-3D-1140	11.4	48	80	12
ALD-3D-1150	11.5	48	80	12
ALD-3D-1160	11.6	48	80	12
ALD-3D-1170	11.7	48	80	12
ALD-3D-1180	11.8	48	80	12
ALD-3D-1190	11.9	48	80	12
ALD-3D-1200	12	48	80	12

DP2S 高效率鎢鋼塗層鑽頭 3D

Carbide Coating High Efficiency Dril

P H K



D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

MG Carbide TX Coating

型號－外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d
DP2S-3D-0050	0.5	4	50	4
DP2S-3D-0060	0.6	5	50	4
DP2S-3D-0070	0.7	5	50	4
DP2S-3D-0080	0.8	5	50	4
DP2S-3D-0090	0.9	5	50	4
DP2S-3D-0100	1	6	50	4
DP2S-3D-0110	1.1	6	50	4
DP2S-3D-0120	1.2	6	50	4
DP2S-3D-0130	1.3	8	50	4
DP2S-3D-0140	1.4	8	50	4
DP2S-3D-0150	1.5	8	50	4
DP2S-3D-0160	1.6	8	50	4
DP2S-3D-0170	1.7	8	50	4
DP2S-3D-0180	1.8	9	50	4
DP2S-3D-0190	1.9	9	50	4
DP2S-3D-0200	2	10	50	4
DP2S-3D-0210	2.1	10	50	4
DP2S-3D-0220	2.2	10	50	4
DP2S-3D-0230	2.3	12	50	4
DP2S-3D-0240	2.4	12	50	4
DP2S-3D-0250	2.5	12	50	4
DP2S-3D-0260	2.6	14	50	4
DP2S-3D-0270	2.7	14	50	4
DP2S-3D-0280	2.8	14	50	4
DP2S-3D-0290	2.9	14	50	4
DP2S-3D-0300	3	16	50	4
DP2S-3D-0310	3.1	16	50	4
DP2S-3D-0320	3.2	16	50	4
DP2S-3D-0330	3.3	16	50	4
DP2S-3D-0340	3.4	16	50	4
DP2S-3D-0350	3.5	16	50	4
DP2S-3D-0360	3.6	18	50	4
DP2S-3D-0370	3.7	18	50	4
DP2S-3D-0380	3.8	18	50	4

型號－外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d
DP2S-3D-0390	3.9	18	50	4
DP2S-3D-0400	4	18	50	4
DP2S-3D-0410	4.1	18	50	6
DP2S-3D-0420	4.2	18	50	6
DP2S-3D-0430	4.3	18	50	6
DP2S-3D-0440	4.4	18	50	6
DP2S-3D-0450	4.5	18	50	6
DP2S-3D-0460	4.6	20	50	6
DP2S-3D-0470	4.7	20	50	6
DP2S-3D-0480	4.8	20	50	6
DP2S-3D-0490	4.9	20	50	6
DP2S-3D-0500	5	20	50	6
DP2S-3D-0510	5.1	25	50	6
DP2S-3D-0520	5.2	25	50	6
DP2S-3D-0530	5.3	25	50	6
DP2S-3D-0540	5.4	25	50	6
DP2S-3D-0550	5.5	25	50	6
DP2S-3D-0560	5.6	25	50	6
DP2S-3D-0570	5.7	25	50	6
DP2S-3D-0580	5.8	25	50	6
DP2S-3D-0590	5.9	25	50	6
DP2S-3D-0600	6	25	50	6
DP2S-3D-0610	6.1	30	60	8
DP2S-3D-0620	6.2	30	60	8
DP2S-3D-0630	6.3	30	60	8
DP2S-3D-0640	6.4	30	60	8
DP2S-3D-0650	6.5	30	60	8
DP2S-3D-0660	6.6	30	60	8
DP2S-3D-0670	6.7	30	60	8
DP2S-3D-0680	6.8	30	60	8
DP2S-3D-0690	6.9	30	60	8
DP2S-3D-0700	7	30	60	8
DP2S-3D-0710	7.1	32	60	8
DP2S-3D-0720	7.2	32	60	8

Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	△			△	○				

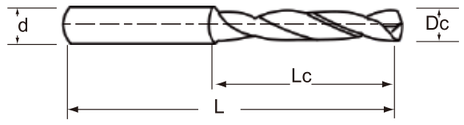
◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

型號－外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d
DP2S-3D-0730	7.3	32	60	8
DP2S-3D-0740	7.4	32	60	8
DP2S-3D-0750	7.5	32	60	8
DP2S-3D-0760	7.6	32	60	8
DP2S-3D-0770	7.7	32	60	8
DP2S-3D-0780	7.8	32	60	8
DP2S-3D-0790	7.9	32	60	8
DP2S-3D-0800	8	32	60	8
DP2S-3D-0810	8.1	40	75	10
DP2S-3D-0820	8.2	40	75	10
DP2S-3D-0830	8.3	40	75	10
DP2S-3D-0840	8.4	40	75	10
DP2S-3D-0850	8.5	40	75	10
DP2S-3D-0860	8.6	40	75	10
DP2S-3D-0870	8.7	40	75	10
DP2S-3D-0880	8.8	40	75	10
DP2S-3D-0890	8.9	40	75	10
DP2S-3D-0900	9	40	75	10
DP2S-3D-0910	9.1	40	75	10
DP2S-3D-0920	9.2	40	75	10
DP2S-3D-0930	9.3	40	75	10
DP2S-3D-0940	9.4	40	75	10
DP2S-3D-0950	9.5	40	75	10
DP2S-3D-0960	9.6	40	75	10
DP2S-3D-0970	9.7	40	75	10
DP2S-3D-0980	9.8	40	75	10
DP2S-3D-0990	9.9	40	75	10
DP2S-3D-1000	10	40	75	10
DP2S-3D-1010	10.1	42	75	12
DP2S-3D-1020	10.2	42	75	12
DP2S-3D-1030	10.3	42	75	12
DP2S-3D-1040	10.4	42	75	12
DP2S-3D-1050	10.5	42	75	12
DP2S-3D-1060	10.6	42	75	12

型號－外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d
DP2S-3D-1070	10.7	42	75	12
DP2S-3D-1080	10.8	42	75	12
DP2S-3D-1090	10.9	42	75	12
DP2S-3D-1100	11	42	75	12
DP2S-3D-1110	11.1	48	80	12
DP2S-3D-1120	11.2	48	80	12
DP2S-3D-1130	11.3	48	80	12
DP2S-3D-1140	11.4	48	80	12
DP2S-3D-1150	11.5	48	80	12
DP2S-3D-1160	11.6	48	80	12
DP2S-3D-1170	11.7	48	80	12
DP2S-3D-1180	11.8	48	80	12
DP2S-3D-1190	11.9	48	80	12
DP2S-3D-1200	12	48	80	12

DP2S 高效率鎢鋼塗層鑽頭 5D
Carbide Coating High Efficiency Dril

P H K



D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

MG Carbide | TX Coating

型號－外徑 Type No.	外徑 Dc	刃長 Lc	全長 L	柄徑 d
DP2S-5D-0300	3	28	66	4
DP2S-5D-0310	3.1	28	66	4
DP2S-5D-0320	3.2	28	66	4
DP2S-5D-0330	3.3	28	66	4
DP2S-5D-0340	3.4	28	66	4
DP2S-5D-0350	3.5	28	66	4
DP2S-5D-0360	3.6	28	66	4
DP2S-5D-0370	3.7	28	66	4
DP2S-5D-0380	3.8	36	74	4
DP2S-5D-0390	3.9	36	74	4
DP2S-5D-0400	4	36	74	4
DP2S-5D-0410	4.1	36	74	6
DP2S-5D-0420	4.2	36	74	6
DP2S-5D-0430	4.3	36	74	6
DP2S-5D-0440	4.4	36	74	6
DP2S-5D-0450	4.5	36	74	6
DP2S-5D-0460	4.6	36	74	6
DP2S-5D-0470	4.7	36	74	6
DP2S-5D-0480	4.8	44	82	6
DP2S-5D-0490	4.9	44	82	6
DP2S-5D-0500	5	44	82	6
DP2S-5D-0510	5.1	44	82	6
DP2S-5D-0520	5.2	44	82	6
DP2S-5D-0530	5.3	44	82	6
DP2S-5D-0540	5.4	44	82	6
DP2S-5D-0550	5.5	44	82	6
DP2S-5D-0560	5.6	44	82	6
DP2S-5D-0570	5.7	44	82	6
DP2S-5D-0580	5.8	44	82	6
DP2S-5D-0590	5.9	44	82	6
DP2S-5D-0600	6	44	82	6
DP2S-5D-0610	6.1	53	91	8
DP2S-5D-0620	6.2	53	91	8
DP2S-5D-0630	6.3	53	91	8
DP2S-5D-0640	6.4	53	91	8

型號－外徑 Type No.	外徑 Dc	刃長 Lc	全長 L	柄徑 d
DP2S-5D-0650	6.5	53	91	8
DP2S-5D-0660	6.6	53	91	8
DP2S-5D-0670	6.7	53	91	8
DP2S-5D-0680	6.8	53	91	8
DP2S-5D-0690	6.9	53	91	8
DP2S-5D-0700	7	53	91	8
DP2S-5D-0710	7.1	53	91	8
DP2S-5D-0720	7.2	53	91	8
DP2S-5D-0730	7.3	53	91	8
DP2S-5D-0740	7.4	53	91	8
DP2S-5D-0750	7.5	53	91	8
DP2S-5D-0760	7.6	53	91	8
DP2S-5D-0770	7.7	53	91	8
DP2S-5D-0780	7.8	53	91	8
DP2S-5D-0790	7.9	53	91	8
DP2S-5D-0800	8	53	91	8
DP2S-5D-0810	8.1	61	103	10
DP2S-5D-0820	8.2	61	103	10
DP2S-5D-0830	8.3	61	103	10
DP2S-5D-0840	8.4	61	103	10
DP2S-5D-0850	8.5	61	103	10
DP2S-5D-0860	8.6	61	103	10
DP2S-5D-0870	8.7	61	103	10
DP2S-5D-0880	8.8	61	103	10
DP2S-5D-0890	8.9	61	103	10
DP2S-5D-0900	9	61	103	10
DP2S-5D-0910	9.1	61	103	10
DP2S-5D-0920	9.2	61	103	10
DP2S-5D-0930	9.3	61	103	10
DP2S-5D-0940	9.4	61	103	10
DP2S-5D-0950	9.5	61	103	10
DP2S-5D-0960	9.6	61	103	10
DP2S-5D-0970	9.7	61	103	10
DP2S-5D-0980	9.8	61	103	10
DP2S-5D-0990	9.9	61	103	10

Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	△			△	○				

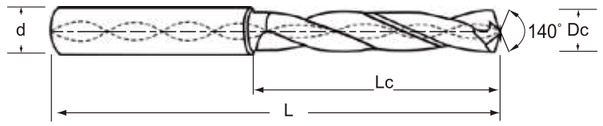
◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

型號－外徑 Type No.	外徑 Dc	刃長 Lc	全長 L	柄徑 d
DP2S-5D-1000	10	61	103	10
DP2S-5D-1010	10.1	71	118	12
DP2S-5D-1020	10.2	71	118	12
DP2S-5D-1030	10.3	71	118	12
DP2S-5D-1040	10.4	71	118	12
DP2S-5D-1050	10.5	71	118	12
DP2S-5D-1060	10.6	71	118	12
DP2S-5D-1070	10.7	71	118	12
DP2S-5D-1080	10.8	71	118	12
DP2S-5D-1090	10.9	71	118	12
DP2S-5D-1100	11	71	118	12
DP2S-5D-1110	11.1	71	118	12
DP2S-5D-1120	11.2	71	118	12
DP2S-5D-1130	11.3	71	118	12
DP2S-5D-1140	11.4	71	118	12
DP2S-5D-1150	11.5	71	118	12
DP2S-5D-1160	11.6	71	118	12
DP2S-5D-1170	11.7	71	118	12
DP2S-5D-1180	11.8	71	118	12
DP2S-5D-1190	11.9	71	118	12
DP2S-5D-1200	12	71	118	12

DPC2S 鎢鋼塗層(內冷)鑽頭 3D

Carbide High Speed Drill With Coolant Hole

P H K



D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

MG Carbide TX Coating

型號－外徑 Type No.	外徑 Dc	刃長 Lc	全長 L	柄徑 d
DPC2S-3D-0300	3	20	62	4
DPC2S-3D-0310	3.1	20	62	4
DPC2S-3D-0320	3.2	20	62	4
DPC2S-3D-0330	3.3	20	62	4
DPC2S-3D-0340	3.4	20	62	4
DPC2S-3D-0350	3.5	20	62	4
DPC2S-3D-0360	3.6	20	62	4
DPC2S-3D-0370	3.7	20	62	4
DPC2S-3D-0380	3.8	24	66	4
DPC2S-3D-0390	3.9	24	66	4
DPC2S-3D-0400	4	24	66	4
DPC2S-3D-0410	4.1	24	66	6
DPC2S-3D-0420	4.2	24	66	6
DPC2S-3D-0430	4.3	24	66	6
DPC2S-3D-0440	4.4	24	66	6
DPC2S-3D-0450	4.5	24	66	6
DPC2S-3D-0460	4.6	24	66	6
DPC2S-3D-0470	4.7	24	66	6
DPC2S-3D-0480	4.8	28	66	6
DPC2S-3D-0490	4.9	28	66	6
DPC2S-3D-0500	5	28	66	6
DPC2S-3D-0510	5.1	28	66	6
DPC2S-3D-0520	5.2	28	66	6
DPC2S-3D-0530	5.3	28	66	6
DPC2S-3D-0540	5.4	28	66	6
DPC2S-3D-0550	5.5	28	66	6
DPC2S-3D-0560	5.6	28	66	6
DPC2S-3D-0570	5.7	28	66	6
DPC2S-3D-0580	5.8	28	66	6
DPC2S-3D-0590	5.9	28	66	6
DPC2S-3D-0600	6	28	66	6
DPC2S-3D-0610	6.1	34	79	8
DPC2S-3D-0620	6.2	34	79	8
DPC2S-3D-0630	6.3	34	79	8

型號－外徑 Type No.	外徑 Dc	刃長 Lc	全長 L	柄徑 d
DPC2S-3D-0640	6.4	34	79	8
DPC2S-3D-0650	6.5	34	79	8
DPC2S-3D-0660	6.6	34	79	8
DPC2S-3D-0670	6.7	34	79	8
DPC2S-3D-0680	6.8	34	79	8
DPC2S-3D-0690	6.9	34	79	8
DPC2S-3D-0700	7	34	79	8
DPC2S-3D-0710	7.1	41	79	8
DPC2S-3D-0720	7.2	41	79	8
DPC2S-3D-0730	7.3	41	79	8
DPC2S-3D-0740	7.4	41	79	8
DPC2S-3D-0750	7.5	41	79	8
DPC2S-3D-0760	7.6	41	79	8
DPC2S-3D-0770	7.7	41	79	8
DPC2S-3D-0780	7.8	41	79	8
DPC2S-3D-0790	7.9	41	79	8
DPC2S-3D-0800	8	41	79	8
DPC2S-3D-0810	8.1	47	89	10
DPC2S-3D-0820	8.2	47	89	10
DPC2S-3D-0830	8.3	47	89	10
DPC2S-3D-0840	8.4	47	89	10
DPC2S-3D-0850	8.5	47	89	10
DPC2S-3D-0860	8.6	47	89	10
DPC2S-3D-0870	8.7	47	89	10
DPC2S-3D-0880	8.8	47	89	10
DPC2S-3D-0890	8.9	47	89	10
DPC2S-3D-0900	9	47	89	10
DPC2S-3D-0910	9.1	47	89	10
DPC2S-3D-0920	9.2	47	89	10
DPC2S-3D-0930	9.3	47	89	10
DPC2S-3D-0940	9.4	47	89	10
DPC2S-3D-0950	9.5	47	89	10
DPC2S-3D-0960	9.6	47	89	10
DPC2S-3D-0970	9.7	47	89	10

Work Material

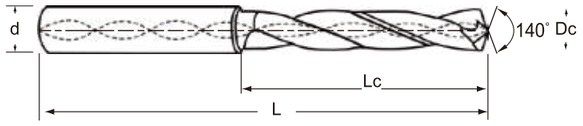
炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	△			△	○				

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

型號－外徑 Type No.	外徑 Dc	刃長 Lc	全長 L	柄徑 d
DPC2S-3D-0980	9.8	47	89	10
DPC2S-3D-0990	9.9	47	89	10
DPC2S-3D-1000	10	47	89	10
DPC2S-3D-1010	10.1	55	102	12
DPC2S-3D-1020	10.2	55	102	12
DPC2S-3D-1030	10.3	55	102	12
DPC2S-3D-1040	10.4	55	102	12
DPC2S-3D-1050	10.5	55	102	12
DPC2S-3D-1060	10.6	55	102	12
DPC2S-3D-1070	10.7	55	102	12
DPC2S-3D-1080	10.8	55	102	12
DPC2S-3D-1090	10.9	55	102	12
DPC2S-3D-1100	11	55	102	12
DPC2S-3D-1110	11.1	55	102	12
DPC2S-3D-1120	11.2	55	102	12
DPC2S-3D-1130	11.3	55	102	12
DPC2S-3D-1140	11.4	55	102	12
DPC2S-3D-1150	11.5	55	102	12
DPC2S-3D-1160	11.6	55	102	12
DPC2S-3D-1170	11.7	55	102	12
DPC2S-3D-1180	11.8	55	102	12
DPC2S-3D-1190	11.9	55	102	12
DPC2S-3D-1200	12	55	102	12
DPC2S-3D-1210	12.1	60	107	14
DPC2S-3D-1220	12.2	60	107	14
DPC2S-3D-1230	12.3	60	107	14
DPC2S-3D-1240	12.4	60	107	14
DPC2S-3D-1250	12.5	60	107	14
DPC2S-3D-1260	12.6	60	107	14
DPC2S-3D-1270	12.7	60	107	14
DPC2S-3D-1280	12.8	60	107	14
DPC2S-3D-1290	12.9	60	107	14
DPC2S-3D-1300	13	60	107	14

DPC2S 鎢鋼塗層(內冷)鑽頭 5D
Carbide High Speed Drill With Coolant Hole

P H K



D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

MG Carbide TX Coating

型號－外徑 Type No.	外徑 Dc	刃長 Lc	全長 L	柄徑 d
DPC2S-5D-0300	3	28	66	4
DPC2S-5D-0310	3.1	28	66	4
DPC2S-5D-0320	3.2	28	66	4
DPC2S-5D-0330	3.3	28	66	4
DPC2S-5D-0340	3.4	28	66	4
DPC2S-5D-0350	3.5	28	66	4
DPC2S-5D-0360	3.6	28	66	4
DPC2S-5D-0370	3.7	28	66	4
DPC2S-5D-0380	3.8	36	74	4
DPC2S-5D-0390	3.9	36	74	4
DPC2S-5D-0400	4	36	74	4
DPC2S-5D-0410	4.1	36	74	6
DPC2S-5D-0420	4.2	36	74	6
DPC2S-5D-0430	4.3	36	74	6
DPC2S-5D-0440	4.4	36	74	6
DPC2S-5D-0450	4.5	36	74	6
DPC2S-5D-0460	4.6	36	74	6
DPC2S-5D-0470	4.7	36	74	6
DPC2S-5D-0480	4.8	44	82	6
DPC2S-5D-0490	4.9	44	82	6
DPC2S-5D-0500	5	44	82	6
DPC2S-5D-0510	5.1	44	82	6
DPC2S-5D-0520	5.2	44	82	6
DPC2S-5D-0530	5.3	44	82	6
DPC2S-5D-0540	5.4	44	82	6
DPC2S-5D-0550	5.5	44	82	6
DPC2S-5D-0560	5.6	44	82	6
DPC2S-5D-0570	5.7	44	82	6
DPC2S-5D-0580	5.8	44	82	6
DPC2S-5D-0590	5.9	44	82	6
DPC2S-5D-0600	6	44	82	6
DPC2S-5D-0610	6.1	53	91	8
DPC2S-5D-0620	6.2	53	91	8
DPC2S-5D-0630	6.3	53	91	8

型號－外徑 Type No.	外徑 Dc	刃長 Lc	全長 L	柄徑 d
DPC2S-5D-0640	6.4	53	91	8
DPC2S-5D-0650	6.5	53	91	8
DPC2S-5D-0660	6.6	53	91	8
DPC2S-5D-0670	6.7	53	91	8
DPC2S-5D-0680	6.8	53	91	8
DPC2S-5D-0690	6.9	53	91	8
DPC2S-5D-0700	7	53	91	8
DPC2S-5D-0710	7.1	53	91	8
DPC2S-5D-0720	7.2	53	91	8
DPC2S-5D-0730	7.3	53	91	8
DPC2S-5D-0740	7.4	53	91	8
DPC2S-5D-0750	7.5	53	91	8
DPC2S-5D-0760	7.6	53	91	8
DPC2S-5D-0770	7.7	53	91	8
DPC2S-5D-0780	7.8	53	91	8
DPC2S-5D-0790	7.9	53	91	8
DPC2S-5D-0800	8	53	91	8
DPC2S-5D-0810	8.1	61	103	10
DPC2S-5D-0820	8.2	61	103	10
DPC2S-5D-0830	8.3	61	103	10
DPC2S-5D-0840	8.4	61	103	10
DPC2S-5D-0850	8.5	61	103	10
DPC2S-5D-0860	8.6	61	103	10
DPC2S-5D-0870	8.7	61	103	10
DPC2S-5D-0880	8.8	61	103	10
DPC2S-5D-0890	8.9	61	103	10
DPC2S-5D-0900	9	61	103	10
DPC2S-5D-0910	9.1	61	103	10
DPC2S-5D-0920	9.2	61	103	10
DPC2S-5D-0930	9.3	61	103	10
DPC2S-5D-0940	9.4	61	103	10
DPC2S-5D-0950	9.5	61	103	10
DPC2S-5D-0960	9.6	61	103	10
DPC2S-5D-0970	9.7	61	103	10

Work Material

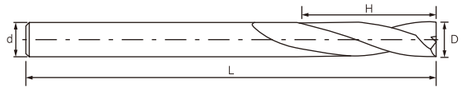
炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	△			△	○				

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

型號－外徑 Type No.	外徑 Dc	刃長 Lc	全長 L	柄徑 d
DPC2S-5D-0980	9.8	61	103	10
DPC2S-5D-0990	9.9	61	103	10
DPC2S-5D-1000	10	61	103	10
DPC2S-5D-1010	10.1	71	118	12
DPC2S-5D-1020	10.2	71	118	12
DPC2S-5D-1030	10.3	71	118	12
DPC2S-5D-1040	10.4	71	118	12
DPC2S-5D-1050	10.5	71	118	12
DPC2S-5D-1060	10.6	71	118	12
DPC2S-5D-1070	10.7	71	118	12
DPC2S-5D-1080	10.8	71	118	12
DPC2S-5D-1090	10.9	71	118	12
DPC2S-5D-1100	11	71	118	12
DPC2S-5D-1110	11.1	71	118	12
DPC2S-5D-1120	11.2	71	118	12
DPC2S-5D-1130	11.3	71	118	12
DPC2S-5D-1140	11.4	71	118	12
DPC2S-5D-1150	11.5	71	118	12
DPC2S-5D-1160	11.6	71	118	12
DPC2S-5D-1170	11.7	71	118	12
DPC2S-5D-1180	11.8	71	118	12
DPC2S-5D-1190	11.9	71	118	12
DPC2S-5D-1200	12	71	118	12
DPC2S-5D-1210	12.1	77	124	14
DPC2S-5D-1220	12.2	77	124	14
DPC2S-5D-1230	12.3	77	124	14
DPC2S-5D-1240	12.4	77	124	14
DPC2S-5D-1250	12.5	77	124	14
DPC2S-5D-1260	12.6	77	124	14
DPC2S-5D-1270	12.7	77	124	14
DPC2S-5D-1280	12.8	77	124	14
DPC2S-5D-1290	12.9	77	124	14
DPC2S-5D-1300	13	77	124	14

FDR 鎢鋼平底高速鑽頭
Carbide Flat High Speed Drill

P H K



MG Carbide GX Coating

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	刃長 H	全長 L	柄徑 d
FDR-010	1.0	3.3	50	3
FDR-011	1.1	3.5	50	3
FDR-012	1.2	3.9	50	3
FDR-013	1.3	4.2	50	3
FDR-014	1.4	4.6	50	3
FDR-015	1.5	4.9	50	3
FDR-016	1.6	5.2	50	3
FDR-017	1.7	5.5	50	3
FDR-018	1.8	5.8	50	3
FDR-019	1.9	6.2	50	3
FDR-020	2.0	9	50	4
FDR-021	2.1	11	50	4
FDR-022	2.2	11	50	4
FDR-023	2.3	11	50	4
FDR-024	2.4	12	50	4
FDR-025	2.5	12	50	4
FDR-026	2.6	12	50	4
FDR-027	2.7	14	50	4
FDR-028	2.8	14	50	4
FDR-029	2.9	14	50	4
FDR-030	3.0	14	60	6
FDR-031	3.1	15	60	6
FDR-032	3.2	15	60	6
FDR-033	3.3	15	60	6
FDR-034	3.4	16	60	6
FDR-035	3.5	16	60	6
FDR-036	3.6	16	60	6
FDR-037	3.7	18	60	6
FDR-038	3.8	18	60	6
FDR-039	3.9	18	60	6
FDR-040	4.0	18	60	6
FDR-041	4.1	19	60	6
FDR-042	4.2	19	60	6
FDR-043	4.3	19	60	6

型號 – 外徑 Type No.	外徑 D	刃長 H	全長 L	柄徑 d
FDR-044	4.4	21	60	6
FDR-045	4.5	21	60	6
FDR-046	4.6	21	60	6
FDR-047	4.7	22	60	6
FDR-048	4.8	22	60	6
FDR-049	4.9	22	60	6
FDR-050	5.0	23	75	6
FDR-051	5.1	24	75	6
FDR-052	5.2	24	75	6
FDR-053	5.3	24	75	6
FDR-054	5.4	25	75	6
FDR-055	5.5	25	75	6
FDR-056	5.6	25	75	6
FDR-057	5.7	27	75	6
FDR-058	5.8	27	75	6
FDR-059	5.9	27	75	6
FDR-060	6.0	27	75	6
FDR-061	6.1	28	75	8
FDR-062	6.2	28	75	8
FDR-063	6.3	28	75	8
FDR-064	6.4	30	75	8
FDR-065	6.5	30	75	8
FDR-066	6.6	30	75	8
FDR-067	6.7	31	75	8
FDR-068	6.8	31	75	8
FDR-069	6.9	31	75	8
FDR-070	7.0	32	75	8
FDR-071	7.1	33	75	8
FDR-072	7.2	33	75	8
FDR-073	7.3	33	75	8
FDR-074	7.4	34	75	8
FDR-075	7.5	34	75	8
FDR-076	7.6	34	75	8
FDR-077	7.7	36	75	8

Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	○					△	○				

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

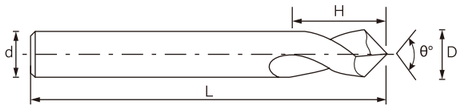
型號 – 外徑 Type No.	外徑 D	刃長 H	全長 L	柄徑 d
FDR-078	7.8	36	80	8
FDR-079	7.9	36	80	8
FDR-080	8.0	36	80	8
FDR-081	8.1	37	100	10
FDR-082	8.2	37	100	10
FDR-083	8.3	37	100	10
FDR-084	8.4	39	100	10
FDR-085	8.5	39	100	10
FDR-086	8.6	39	100	10
FDR-087	8.7	40	100	10
FDR-088	8.8	40	100	10
FDR-089	8.9	40	100	10
FDR-090	9.0	41	100	10
FDR-091	9.1	42	100	10
FDR-092	9.2	42	100	10
FDR-093	9.3	42	100	10
FDR-094	9.4	43	100	10
FDR-095	9.5	43	100	10
FDR-096	9.6	43	100	10
FDR-097	9.7	45	100	10
FDR-098	9.8	45	100	10
FDR-099	9.9	45	100	10
FDR-100	10.0	45	100	10
FDR-101	10.1	46	100	12
FDR-102	10.2	46	100	12
FDR-103	10.3	46	100	12
FDR-104	10.4	48	100	12
FDR-105	10.5	48	100	12
FDR-106	10.6	48	100	12
FDR-107	10.7	49	100	12
FDR-108	10.8	49	100	12
FDR-109	10.9	49	100	12
FDR-110	11.0	50	100	12
FDR-111	11.1	51	100	12

型號 – 外徑 Type No.	外徑 D	刃長 H	全長 L	柄徑 d
FDR-112	11.2	51	100	12
FDR-113	11.3	51	100	12
FDR-114	11.4	52	100	12
FDR-115	11.5	52	100	12
FDR-116	11.6	52	100	12
FDR-117	11.7	54	100	12
FDR-118	11.8	54	100	12
FDR-119	11.9	54	100	12
FDR-120	12.0	54	100	12

Dθ°-ST 鎢鋼定位鑽 60°/90°/120°

Carbide Spot Drills 60°/90°/120°

K M P N



MC Carbide

D	公差 Tol
D≤12	0~-0.015
D>12	0~-0.02

單位unit (mm)

型號－外徑 Type No.	外徑 D	角度 θ°	刃長 Lc	刃數 T	全長 L	柄徑 d	價格 Price
D60-ST-030	3	60°	6	2	50	3	
D60-ST-040	4	60°	8	2	50	4	
D60-ST-050	5	60°	10	2	50	5	
D60-ST-060	6	60°	12	2	50	6	
D60-ST-080	8	60°	16	2	60	8	
D60-ST-100	10	60°	20	2	75	10	
D60-ST-120	12	60°	24	2	75	12	

Work Material

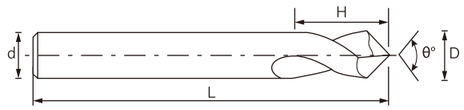
炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
○	○							◉	◉		

● 最適合加工 Most Suitable ● 適合加工 Suitable △ 可加工 Machinable

Dθ°-ST 鎢鋼定位鑽 60°/90°/120°

Carbide Spot Drills 60°/90°/120°

K M P N



D	公差 Tol
D≤12	0~-0.015
D>12	0~-0.02

單位unit (mm)

型號－外徑 Type No.	外徑 D	角度 θ°	刃長 Lc	刃數 T	全長 L	柄徑 d	價格 Price
D90-ST-010	1	90°	2	2	50	4	
D90-ST-015	1.5	90°	3	2	50	4	
D90-ST-020	2	90°	4	2	50	4	
D90-ST-025	2.5	90°	5	2	50	4	
D90-ST-030	3	90°	6	2	50	3	
D90-ST-040	4	90°	8	2	50	4	
D90-ST-050	5	90°	10	2	50	5	
D90-ST-060	6	90°	12	2	50	6	
D90-ST-080	8	90°	16	2	60	8	
D90-ST-100	10	90°	20	2	75	10	
D90-ST-120	12	90°	24	2	75	12	
D90-ST-140	14	90°	28	2	100	14	
D90-ST-160	16	90°	32	2	100	16	
D90-ST-200	20	90°	40	2	100	20	

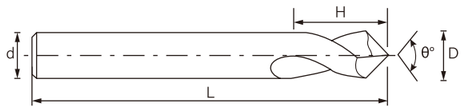
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
○	○							◉	◉		

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

Dθ°-ST 鎢鋼定位鑽 60°/90°/120°
Carbide Spot Drills 60°/90°/120°

K M P N



MG Carbide

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號－外徑 Type No.	外徑 D	角度 θ°	刃長 Lc	刃數 T	全長 L	柄徑 d	價格 Price
D120-ST-030	3	120°	6	2	50	3	
D120-ST-040	4	120°	8	2	50	4	
D120-ST-050	5	120°	10	2	50	5	
D120-ST-060	6	120°	12	2	50	6	
D120-ST-080	8	120°	16	2	60	8	
D120-ST-100	10	120°	20	2	75	10	
D120-ST-120	12	120°	24	2	75	12	
D120-ST-140	14	120°	28	2	100	14	
D120-ST-160	16	120°	32	2	100	16	
D120-ST-200	20	120°	40	2	100	20	

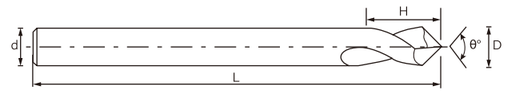
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
○	○							◉	◉		

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

Dθ°-LL 鎢鋼定位鑽（長柄型）90°/120°
Carbide Spot Drills (Long Shank) 90°/120°

K M P N



MG Carbide

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號－外徑 Type No.	外徑 D	角度 θ°	刃長 Lc	刃數 T	全長 L	柄徑 d	價格 Price
D90-LLL-030	3	90°	6	2	100	3	
D90-LLL-040	4	90°	8	2	100	4	
D90-LLL-050	5	90°	10	2	100	5	
D90-LLL-060	6	90°	12	2	100	6	
D90-LL-080	8	90°	16	2	100	8	
D90-LL-100	10	90°	20	2	100	10	
D90-LL-120	12	90°	24	2	100	12	

型號－外徑 Type No.	外徑 D	角度 θ°	刃長 Lc	刃數 T	全長 L	柄徑 d	價格 Price
D120-LLL-030	3	120°	6	2	100	3	
D120-LLL-040	4	120°	8	2	100	4	
D120-LLL-050	5	120°	10	2	100	5	
D120-LLL-060	6	120°	12	2	100	6	
D120-LL-080	8	120°	16	2	100	8	
D120-LL-100	10	120°	20	2	100	10	
D120-LL-120	12	120°	24	2	100	12	

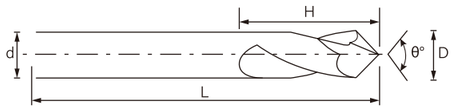
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
○	○							◉	◉		

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

D90°H 鎢鋼塗層定位鑽 90°
Carbide Coating 90° Spot Drills

K M P N



MG Carbide TX Coating

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號－外徑 Type No.	外徑 D	角度 θ°	刃長 Lc	刃數 T	全長 L	柄徑 d	價格 Price
D90-ST-010-H	1	90°	2	2	50	4	
D90-ST-015-H	1.5	90°	3	2	50	4	
D90-ST-020-H	2	90°	4	2	50	4	
D90-ST-025-H	2.5	90°	5	2	50	4	
D90-ST-030-H	3	90°	6	2	50	3	
D90-ST-040-H	4	90°	8	2	50	4	
D90-ST-050-H	5	90°	10	2	50	5	
D90-ST-060-H	6	90°	12	2	50	6	
D90-ST-080-H	8	90°	16	2	60	8	
D90-ST-100-H	10	90°	20	2	75	10	
D90-ST-120-H	12	90°	24	2	75	12	
D90-ST-140-H	14	90°	28	2	100	14	
D90-ST-160-H	16	90°	32	2	100	16	
D90-ST-200-H	20	90°	40	2	100	20	

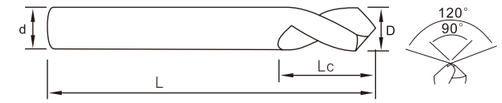
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
○	○							◉	◉		

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

D12090 鎢鋼塗層 90 度定位鑽
Carbide Coating 90° Spot Drills

K M P N



MG Carbide TX Coating

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

標準型

型號－外徑 Type No.	外徑 D	刃長 Lc	角度 θ°	全長 L	柄徑 d	價格 Price
D12090-ST-020	2	4	90°	50	3	
D12090-ST-030	3	6	90°	50	3	
D12090-ST-040	4	8	90°	50	4	
D12090-ST-050	5	10	90°	50	5	
D12090-ST-060	6	12	90°	50	6	
D12090-ST-080	8	16	90°	60	8	
D12090-ST-100	10	20	90°	75	10	
D12090-ST-120	12	24	90°	75	12	

加長型

型號－外徑 Type No.	外徑 D	刃長 Lc	角度 θ°	全長 L	柄徑 d	價格 Price
D12090-LL-030	3	6	90°	75	3	
D12090-LL-040	4	8	90°	75	4	
D12090-LL-050	5	10	90°	75	5	
D12090-LL-060	6	12	90°	75	6	
D12090-LL-080	8	16	90°	100	8	
D12090-LL-100	10	20	90°	100	10	
D12090-LL-120	12	24	90°	100	12	

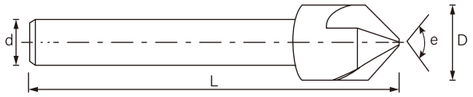
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	○	△				○	○	○	○	△	△

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

BCDR 焊接式鎢鋼倒角刀
Brazed Carbide Chamfer Cutter

K M P N



D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	角度 θ°	刃數 T	全長 L	柄徑 d	價格 Price
BCDR-120	12	90°	3	80	10	
BCDR-160	16	90°	3	80	10	
BCDR-200	20	90°	3	90	12	
BCDR-250	25	90°	3	120	12	

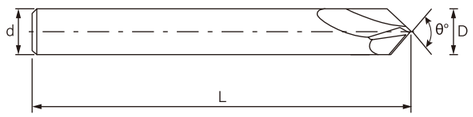
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	◉	○			○	○	○	○	△	△

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

EC2T 扁型倒角銑刀 60°/90°/120°
Flat Chamfer Cutters 60°/90°/120°

K M P N



MG Carbide SX Coating

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 – 外徑 Type No.	外徑 D	角度 θ°	刃數 T	全長 L	柄徑 d	價格 Price
EC602T-030	3	60°	2	50	3	
EC602T-040	4	60°	2	50	4	
EC602T-060	6	60°	2	50	6	
EC602T-080	8	60°	2	60	8	
EC602T-100	10	60°	2	75	10	
EC602T-120	12	60°	2	75	12	

型號 – 外徑 Type No.	外徑 D	角度 θ°	刃數 T	全長 L	柄徑 d	價格 Price
EC902T-030	3	90°	2	50	3	
EC902T-040	4	90°	2	50	4	
EC902T-060	6	90°	2	50	6	
EC902T-080	8	90°	2	60	8	
EC902T-100	10	90°	2	75	10	
EC902T-120	12	90°	2	75	12	

型號 – 外徑 Type No.	外徑 D	角度 θ°	刃數 T	全長 L	柄徑 d	價格 Price
EC1202T-030	3	120°	2	50	3	
EC1202T-040	4	120°	2	50	4	
EC1202T-060	6	120°	2	50	6	
EC1202T-080	8	120°	2	60	8	
EC1202T-100	10	120°	2	75	10	
EC1202T-120	12	120°	2	75	12	

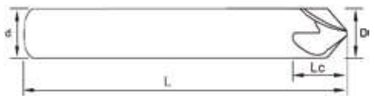
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	○	△				○	○	○	○	△	△

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

EC904T 鎢鋼塗層 4 刃倒角刀
Carbide Coating 4 Flutes Chamfer Cutters

K M P N



D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

MG Carbide TX Coating

標準型

型號 – 外徑 Type No.	外徑 D	刃長 Lc	角度 θ°	全長 L	柄徑 d	價格 Price
EC904T-040	4	1.5	90°	50	4	
EC904T-060	6	2.5	90°	50	6	
EC904T-080	8	3	90°	60	8	
EC904T-100	10	4	90°	75	10	
EC904T-120	12	5	90°	75	12	

加長型

型號 – 外徑 Type No.	外徑 D	刃長 Lc	角度 θ°	全長 L	柄徑 d	價格 Price
EC904T-LL-040	4	1.5	90°	75	4	
EC904T-LL-060	6	2.5	90°	75	6	
EC904T-LL-080	8	3	90°	100	8	
EC904T-LL-100	10	4	90°	100	10	
EC904T-LL-120	12	5	90°	100	12	

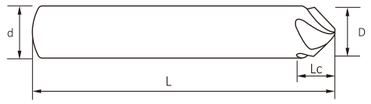
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	○	△				○	○	○	○	△	△

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

ECS904T 鎢鋼螺旋 4 刃倒角刀
Carbide Coating 4 Flutes Chamfer Cutters

K M P N



D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

MG Carbide TX Coating

標準型

型號 – 外徑 Type No.	外徑 D	刃長 Lc	角度 θ°	全長 L	柄徑 d	價格 Price
ECS904T-04005	4	1.7	90°	50	4	
ECS904T-06010	6	2.5	90°	50	6	
ECS904T-08010	8	3.5	90°	60	8	
ECS904T-10020	10	4	90°	75	10	
ECS904T-12020	12	5	90°	75	12	

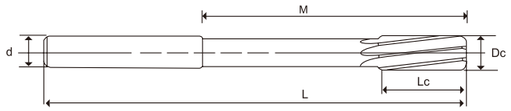
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	○	△				○	○	○	○	△	△

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

RMS 鎢鋼機械鉸刀
Machine Reamers

P H K



D	公差 Tol
D≤12	0~-0.015
D>12	0~-0.02

單位unit (mm)

型號－外徑 Type No.	外徑 Dc(h7)	刃長 Lc	全長 L	刃數 Z	有效長 M
RME-ST-010	1.0	6	34	4	16
RME-ST-011	1.1	8	36	4	16
RME-ST-012	1.2	8	38	4	16
RME-ST-013	1.3	8	38	4	16
RME-ST-014	1.4	8	40	4	16
RME-ST-015	1.5	8	40	4	18
RME-ST-016	1.6	9	43	4	20
RME-ST-017	1.7	9	43	4	20
RME-ST-018	1.8	10	46	4	22
RME-ST-019	1.9	10	46	4	22
RMS-ST-020	2.0	11	49	4	24
RMS-ST-021	2.1	11	49	4	24
RMS-ST-022	2.2	12	53	4	26
RMS-ST-023	2.3	12	53	4	26
RMS-ST-024	2.4	14	57	4	28
RMS-ST-025	2.5	14	57	4	28
RMS-ST-026	2.6	14	57	4	28
RMS-ST-027	2.7	15	61	4	32
RMS-ST-028	2.8	15	61	4	32
RMS-ST-029	2.9	15	61	4	32
RMS-ST-030	3.0	15	61	4	32
RMS-ST-031	3.1	16	65	4	35
RMS-ST-032	3.2	16	65	4	35
RMS-ST-033	3.3	16	65	4	35
RMS-ST-034	3.4	18	70	4	40
RMS-ST-035	3.5	18	70	4	40
RMS-ST-036	3.6	18	70	4	40
RMS-ST-037	3.7	18	70	4	40
RMS-ST-038	3.8	19	75	4	43
RMS-ST-039	3.9	19	75	4	43
RMS-ST-040	4.0	19	75	4	43
RMS-ST-041	4.1	19	75	4	43
RMS-ST-042	4.2	19	75	4	43
RMS-ST-043	4.3	21	80	4	47

型號－外徑 Type No.	外徑 Dc(h7)	刃長 Lc	全長 L	刃數 Z	有效長 M
RMS-ST-044	4.4	21	80	4	47
RMS-ST-045	4.5	21	80	4	47
RMS-ST-046	4.6	21	80	4	47
RMS-ST-047	4.7	21	80	4	47
RMS-ST-048	4.8	23	86	4	52
RMS-ST-049	4.9	23	86	4	52
RMS-ST-050	5.0	23	86	4	52
RMS-ST-051	5.1	23	86	4	52
RMS-ST-052	5.2	23	86	4	52
RMS-ST-053	5.3	23	86	4	52
RMS-ST-054	5.4	26	93	4	57
RMS-ST-055	5.5	26	93	4	57
RMS-ST-056	5.6	26	93	4	57
RMS-ST-057	5.7	26	93	4	57
RMS-ST-058	5.8	26	93	4	57
RMS-ST-059	5.9	26	93	4	57
RMS-ST-060	6.0	26	93	6	57
RMS-ST-061	6.1	28	101	6	63
RMS-ST-062	6.2	28	101	6	63
RMS-ST-063	6.3	28	101	6	63
RMS-ST-064	6.4	28	101	6	63
RMS-ST-065	6.5	28	101	6	63
RMS-ST-066	6.6	28	101	6	63
RMS-ST-067	6.7	31	101	6	63
RMS-ST-068	6.8	31	109	6	69
RMS-ST-069	6.9	31	109	6	69
RMS-ST-070	7.0	31	109	6	69
RMS-ST-071	7.1	31	109	6	69
RMS-ST-072	7.2	31	109	6	69
RMS-ST-073	7.3	31	109	6	69
RMS-ST-074	7.4	31	109	6	69
RMS-ST-075	7.5	31	109	6	69
RMS-ST-076	7.6	33	117	6	75
RMS-ST-077	7.7	33	117	6	75

Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	△			○	○	○	○		

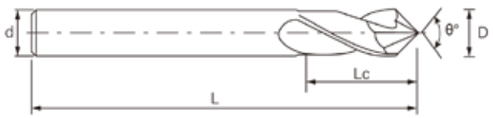
◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

型號－外徑 Type No.	外徑 Dc(h7)	刃長 Lc	全長 L	刃數 Z	有效長 M
RMS-ST-077	7.7	33	117	6	75
RMS-ST-078	7.8	33	117	6	75
RMS-ST-079	7.9	33	117	6	75
RMS-ST-080	8.0	33	117	6	75
RMS-ST-081	8.1	33	117	6	75
RMS-ST-082	8.2	33	117	6	75
RMS-ST-083	8.3	33	117	6	75
RMS-ST-084	8.4	33	117	6	75
RMS-ST-085	8.5	33	117	6	75
RMS-ST-086	8.6	36	125	6	81
RMS-ST-087	8.7	36	125	6	81
RMS-ST-088	8.8	36	125	6	81
RMS-ST-089	8.9	36	125	6	81
RMS-ST-090	9.0	36	125	6	81
RMS-ST-091	9.1	36	125	6	81
RMS-ST-092	9.2	36	125	6	81
RMS-ST-093	9.3	36	125	6	81
RMS-ST-094	9.4	36	125	6	81
RMS-ST-095	9.5	36	125	6	81
RMS-ST-096	9.6	38	133	6	87
RMS-ST-097	9.7	38	133	6	87
RMS-ST-098	9.8	38	133	6	87
RMS-ST-099	9.9	38	133	6	87
RMS-ST-100	10.0	38	133	6	87
RMS-ST-101	10.1	38	133	6	87
RMS-ST-102	10.2	38	133	6	87
RMS-ST-103	10.3	38	133	6	87
RMS-ST-104	10.4	38	133	6	87
RMS-ST-105	10.5	38	133	6	87
RMS-ST-106	10.6	38	133	6	87
RMS-ST-107	10.7	41	142	6	96
RMS-ST-108	10.8	41	142	6	96
RMS-ST-109	10.9	41	142	6	96
RMS-ST-110	11.0	41	142	6	96

型號－外徑 Type No.	外徑 Dc(h7)	刃長 Lc	全長 L	刃數 Z	有效長 M
RMS-ST-111	11.1	41	142	6	96
RMS-ST-112	11.2	41	142	6	96
RMS-ST-113	11.3	41	142	6	96
RMS-ST-114	11.4	41	142	6	96
RMS-ST-115	11.5	41	142	6	96
RMS-ST-116	11.6	41	142	6	96
RMS-ST-117	11.7	41	142	6	96
RMS-ST-118	11.8	41	142	6	96
RMS-ST-119	11.9	44	151	6	105
RMS-ST-120	12.0	44	151	6	105

DEM 鎢鋼鑽銑刀 90°/120°
Carbide V-Pointed End Mills 90°/120°

K M P N



MG Carbide SX Coating

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號－外徑 Type No.	外徑 D	角度 θ°	刃長 Lc	刃數 T	全長 L	柄徑 d	價格 Price
DEM90-ST-030d6	3	90°	6	2	50	6	
DEM90-ST-040d6	4	90°	8	2	50	6	
DEM90-ST-050	5	90°	10	2	50	6	
DEM90-ST-060	6	90°	12	2	50	6	
DEM90-ST-080	8	90°	16	2	60	8	
DEM90-ST-100	10	90°	20	2	75	10	
DEM90-ST-120	12	90°	24	2	75	12	

型號－外徑 Type No.	外徑 D	角度 θ°	刃長 Lc	刃數 T	全長 L	柄徑 d	價格 Price
DEM120-ST-030d6	3	120°	6	2	50	6	
DEM120-ST-040d6	4	120°	8	2	50	6	
DEM120-ST-050	5	120°	10	2	50	6	
DEM120-ST-060	6	120°	12	2	50	6	
DEM120-ST-080	8	120°	16	2	60	8	
DEM120-ST-100	10	120°	20	2	75	10	
DEM120-ST-120	12	120°	24	2	75	12	

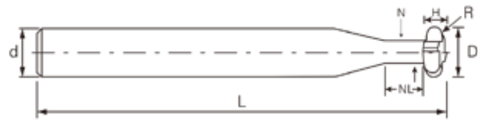
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	○	△				○	○	○	○	△	△

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

BTSR 外圓槽銑刀（焊接式）
Convex Cutters (Brazed)

K M P N



MG Carbide

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號－外徑 Type No.	外徑 D	R 角 R	刃長 H	頸徑 N	頸長 NL	刃數 T	全長 L	柄徑 d	價格 Price
BTSR10S-16005	16	0.5	1	8	10	10	100	12	
BTSR10S-16010	16	1	2	8	10	10	100	12	
BTSR10S-16015	16	1.5	3	8	10	10	100	12	
BTSR10S-16020	16	2	4	8	10	10	100	12	
BTSR10S-16030	16	3	6	8	10	10	100	12	
BTSR12S-20005	20	0.5	1	10	14	12	100	12	
BTSR12S-20010	20	1	2	10	14	12	100	12	
BTSR12S-20015	20	1.5	3	10	14	12	100	12	
BTSR12S-20020	20	2	4	10	14	12	100	12	
BTSR12S-20030	20	3	6	10	14	12	100	12	
BTSR16S-25005	25	0.5	1	12	16	16	100	16	
BTSR16S-25010	25	1	2	12	16	16	100	16	
BTSR16S-25015	25	1.5	3	12	16	16	100	16	
BTSR16S-25020	25	2	4	12	16	16	100	16	
BTSR16S-25030	25	3	6	12	16	16	100	16	
BTSR16S-30005	30	0.5	1	15	18	16	100	16	
BTSR16S-30010	30	1	2	15	18	16	100	16	
BTSR16S-30015	30	1.5	3	15	18	16	100	16	
BTSR16S-30020	30	2	4	15	18	16	100	16	
BTSR16S-30030	30	3	6	15	18	16	100	16	

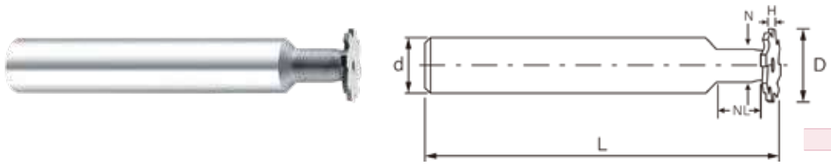
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	○					△	○	◉	◉		

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

BTSC 焊接式鎢鋼T型刀
Brazed Carbide T-Shape Cutters

K M P N



D	公差 Tol
D≤12	0~-0.015
D>12	0~-0.02

單位unit (mm)

型號－外徑－刃長 Type No.	外徑 D	刃長 H	頸徑 N	頸長 NL	刃數 T	全長 L	柄徑 d	價格 Price
BTSC-13005	13	0.5	6	8	8	65	10	
BTSC-13010	13	1	6	8	8	65	10	
BTSC-13015	13	1.5	6	8	8	65	10	
BTSC-13020	13	2	6	8	8	65	10	
BTSC-13025	13	2.5	6	8	8	65	10	
BTSC-13030	13	3	6	8	8	65	10	
BTSC-13035	13	3.5	6	8	8	65	10	
BTSC-13040	13	4	6	8	8	65	10	
BTSC-13045	13	4.5	6	8	8	65	10	
BTSC-13050	13	5	6	8	8	65	10	
BTSC-13055	13	5.5	6	8	8	65	10	
BTSC-13060	13	6	6	8	8	65	10	
BTSC-13065	13	6.5	6	8	8	65	10	
BTSC-13070	13	7	6	8	8	65	10	
BTSC-13075	13	7.5	6	8	8	65	10	
BTSC-13080	13	8	6	8	8	65	10	
BTSC-16005	16	0.5	6	8	10	65	12	
BTSC-16010	16	1	6	8	10	65	12	
BTSC-16010-100L	16	1	8	10	10	100	12	
BTSC-16015	16	1.5	6	8	10	65	12	
BTSC-16015-100L	16	1.5	8	10	10	100	12	
BTSC-16020	16	2	6	8	10	65	12	
BTSC-16020-100L	16	2	8	10	10	100	12	
BTSC-16025	16	2.5	6	8	10	65	12	
BTSC-16025-100L	16	2.5	8	10	10	100	12	
BTSC-16030	16	3	6	8	10	65	12	
BTSC-16030-100L	16	3	8	10	10	100	12	
BTSC-16035	16	3.5	6	8	10	65	12	
BTSC-16040	16	4	6	8	10	65	12	
BTSC-16040-100L	16	4	8	10	10	100	12	
BTSC-16045	16	4.5	6	8	10	65	12	
BTSC-16050	16	5	6	8	10	65	12	
BTSC-16050-100L	16	5	8	10	10	100	12	
BTSC-16055	16	5.5	6	8	10	65	12	
BTSC-16060	16	6	6	8	10	65	12	

Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	○					△	○	◉	◉		

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

型號－外徑－刃長 Type No.	外徑 D	刃長 H	頸徑 N	頸長 NL	刃數 T	全長 L	柄徑 d	價格 Price
BTSC-16065	16	6.5	6	8	10	65	12	
BTSC-16070	16	7	6	8	10	65	12	
BTSC-16075	16	7.5	6	8	10	65	12	
BTSC-16080	16	8	6	8	10	65	12	

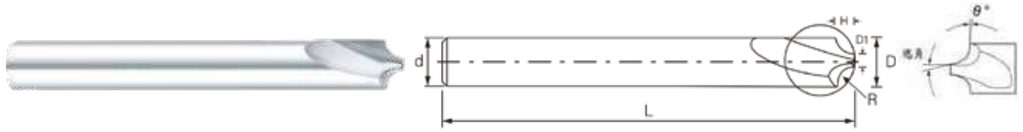
型號－外徑－刃長 Type No.	外徑 D	刃長 H	頸徑 N	頸長 NL	刃數 T	全長 L	柄徑 d	價格 Price
BTSC-20010	20	1	10	14	12	100	12	
BTSC-20015	20	1.5	10	14	12	100	12	
BTSC-20020	20	2	10	14	12	100	12	
BTSC-20025	20	2.5	10	14	12	100	12	
BTSC-20030	20	3	10	14	12	100	12	
BTSC-20040	20	4	10	14	12	100	12	
BTSC-20050	20	5	10	14	12	100	12	
BTSC-20060	20	6	10	14	12	100	12	

型號－外徑－刃長 Type No.	外徑 D	刃長 H	頸徑 N	頸長 NL	刃數 T	全長 L	柄徑 d	價格 Price
BTSC-25010	25	1	12	16	16	100	16	
BTSC-25015	25	1.5	12	16	16	100	16	
BTSC-25020	25	2	12	16	16	100	16	
BTSC-25025	25	2.5	12	16	16	100	16	
BTSC-25030	25	3	12	16	16	100	16	
BTSC-25040	25	4	12	16	16	100	16	
BTSC-25050	25	5	12	16	16	100	16	
BTSC-25060	25	6	12	16	16	100	16	

型號－外徑－刃長 Type No.	外徑 D	刃長 H	頸徑 N	頸長 NL	刃數 T	全長 L	柄徑 d	價格 Price
BTSC-30010	30	1	15	18	16	100	16	
BTSC-30015	30	1.5	15	18	16	100	16	
BTSC-30020	30	2	15	18	16	100	16	
BTSC-30025	30	2.5	15	18	16	100	16	
BTSC-30030	30	3	15	18	16	100	16	
BTSC-30040	30	4	15	18	16	100	16	
BTSC-30050	30	5	15	18	16	100	16	
BTSC-30060	30	6	15	18	16	100	16	

ORC 2 刃外角R刀
2 Flutes Outer Radius Cutters

K M P N



D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

MG Carbide

型號－外徑 Type No.	R 角 R	切角 θ°	小徑 D1	大徑 D	刃長 H	全長 L	柄徑 d	價格 Price
ORC-040025	0.25	5°	3.1	4	0.45	50	4	
ORC-04005	0.5	5°	2.6	4	0.7	50	4	
ORC-040075	0.75	5°	2.1	4	0.95	50	4	
ORC-04010	1	5°	1.6	4	1.2	50	4	
ORC-040125	1.25	5°	1.1	4	1.45	50	4	
ORC-04015	1.5	5°	0.7	4	1.7	50	4	

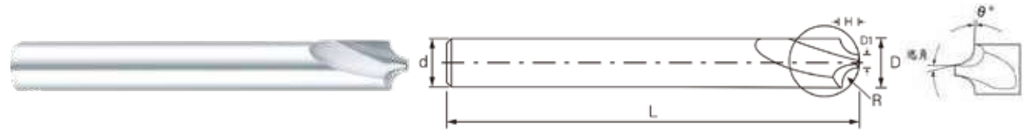
型號－外徑 Type No.	R 角 R	切角 θ°	小徑 D1	大徑 D	刃長 H	全長 L	柄徑 d	價格 Price
ORC-060025	0.25	5°	5.1	6	0.45	50	6	
ORC-06005	0.5	5°	4.6	6	0.7	50	6	
ORC-060075	0.75	5°	4.1	6	0.95	50	6	
ORC-06010	1	5°	3.6	6	1.2	50	6	
ORC-060125	1.25	5°	3.1	6	1.42	50	6	
ORC-06015	1.5	5°	2.6	6	1.7	50	6	
ORC-060175	1.75	5°	2.1	6	1.95	50	6	
ORC-06020	2	5°	1.6	6	2.2	50	6	
ORC-06025	2.5	5°	0.7	6	2.7	50	6	

型號－外徑 Type No.	R 角 R	切角 θ°	小徑 D1	大徑 D	刃長 H	全長 L	柄徑 d	價格 Price
ORC-08005	0.5	5°	6.6	8	0.7	60	8	
ORC-080075	0.75	5°	6.1	8	0.95	60	8	
ORC-08010	1	5°	5.6	8	1.2	60	8	
ORC-080125	1.25	5°	5.1	8	1.45	60	8	
ORC-08015	1.5	5°	4.6	8	1.7	60	8	
ORC-080175	1.75	5°	4.1	8	1.95	60	8	
ORC-08020	2	5°	3.6	8	2.2	60	8	
ORC-08025	2.5	5°	2.6	8	2.7	60	8	
ORC-080275	2.75	5°	2.1	8	2.95	60	8	
ORC-08030	3	5°	1.6	8	3.2	60	8	

Profile Cutters Series

ORC 2 刃外角R刀
2 Flutes Outer Radius Cutters

K M P N



D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

MG Carbide

型號－外徑 Type No.	R 角 R	切角 θ°	小徑 D1	大徑 D	刃長 H	全長 L	柄徑 d	價格 Price
ORC-10020	2	5°	5.6	10	2.2	60	10	
ORC-10030	3	5°	3.6	10	3.2	60	10	
ORC-10040	4	5°	1.6	10	4.2	60	10	

型號－外徑 Type No.	R 角 R	切角 θ°	小徑 D1	大徑 D	刃長 H	全長 L	柄徑 d	價格 Price
ORC-12020	2	5°	7.6	12	2.2	60	12	
ORC-12030	3	5°	5.6	12	3.2	60	12	
ORC-12040	4	5°	3.6	12	4.2	60	12	
ORC-12050	5	5°	1.6	12	5.2	60	12	

型號－外徑 Type No.	R 角 R	切角 θ°	小徑 D1	大徑 D	刃長 H	全長 L	柄徑 d	價格 Price
ORC-16050	5	5°	5.6	16	5.2	75	16	
ORC-16060	6	5°	3.6	16	6.2	75	16	

Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	○					△	○	◉	◉		

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

TSC T 型銑刀 T-Shape Cutters

K M P N

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

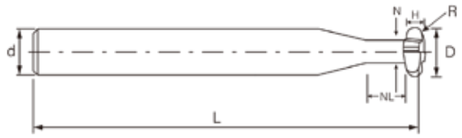
單位unit (mm)

MG Carbide

型號－外徑 Type No.	外徑 (D)	刃長 (H)	頸徑 (N)	頸長 (NL)	刃數 (T)	全長 (L)	柄徑 d	價格 Price
TSC4S-04005	4	0.5	2.5	3.5	4	50	4	
TSC4S-04006	4	0.6	2.5	3.5	4	50	4	
TSC4S-04007	4	0.7	2.5	3.5	4	50	4	
TSC4S-04008	4	0.8	2.5	3.5	4	50	4	
TSC4S-04009	4	0.9	2.5	3.5	4	50	4	
TSC4S-04010	4	1	2.5	3.5	4	50	4	
TSC4S-04015	4	1.5	2.5	3.5	4	50	4	
TSC4S-04020	4	2	2.5	3.5	4	50	4	
TSC4S-05005	5	0.5	2.5	4	4	50	6	
TSC4S-05006	5	0.6	2.5	4	4	50	6	
TSC4S-05007	5	0.7	2.5	4	4	50	6	
TSC4S-05008	5	0.8	2.5	4	4	50	6	
TSC4S-05009	5	0.9	2.5	4	4	50	6	
TSC4S-05010	5	1	2.5	4	4	50	6	
TSC4S-05015	5	1.5	2.5	4	4	50	6	
TSC4S-05020	5	2	2.5	4	4	50	6	
TSC6S-06005	6	0.5	3	4	6	50	6	
TSC6S-06006	6	0.6	3	4	6	50	6	
TSC6S-06007	6	0.7	3	4	6	50	6	
TSC6S-06008	6	0.8	3	4	6	50	6	
TSC6S-06009	6	0.9	3	4	6	50	6	
TSC6S-06010	6	1	3	4	6	50	6	
TSC6S-06015	6	1.5	3	4	6	50	6	
TSC6S-06020	6	2	3	4	6	50	6	
TSC6S-08010	8	1	4	4	6	60	8	
TSC6S-08015	8	1.5	4	4	6	60	8	
TSC6S-08020	8	2	4	4	6	60	8	
TSC6S-10010	10	1	5	6	6	75	10	
TSC6S-10015	10	1.5	5	6	6	75	10	
TSC6S-10020	10	2	5	6	6	75	10	
TSC6S-10030	10	3	5	6	6	75	10	
TSC6S-12010	12	1	6	7	6	75	12	
TSC6S-12015	12	1.5	6	7	6	75	12	
TSC6S-12020	12	2	6	7	6	75	12	
TSC6S-12030	12	3	6	7	6	75	12	

TSR 外圓槽銑刀 Convex Cutters

K M P N



D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

MG Carbide

型號－外徑 Type No.	外徑 D	R 角 R	刃長 H	頸徑 N	頸長 NL	刃數 T	全長 L	柄徑 d	價格 Price
TSR4S-04003	4	0.3	0.6	2	3.5	4	50	6	
TSR4S-04005	4	0.5	1	2	3.5	4	50	6	
TSR4S-04010	4	1	2	2	3.5	4	50	6	
TSR4S-05003	5	0.3	0.6	2.2	3.5	4	50	6	
TSR4S-05005	5	0.5	1	2.2	3.5	4	50	6	
TSR4S-05010	5	1	2	2.2	3.5	4	50	6	
TSR4S-06003	6	0.3	0.6	2.7	4	4	50	6	
TSR4S-06005	6	0.5	1	2.7	4	4	50	6	
TSR4S-06010	6	1	2	2.7	4	4	50	6	
TSR6S-08003	8	0.3	0.6	3.6	5	6	60	8	
TSR6S-08005	8	0.5	1	3.6	5	6	60	8	
TSR6S-08010	8	1	2	3.6	5	6	60	8	
TSR6S-10003	10	0.3	0.6	4.5	6	6	75	10	
TSR6S-10005	10	0.5	1	4.5	6	6	75	10	
TSR6S-10010	10	1	2	4.5	6	6	75	10	
TSR6S-10015	10	1.5	3	4.5	6	6	75	10	
TSR6S-10020	10	2	4	4.5	6	6	75	10	
TSR6S-12003	12	0.3	0.6	5.5	6	6	75	12	
TSR6S-12005	12	0.5	1	5.5	6	6	75	12	
TSR6S-12010	12	1	2	5.5	6	6	75	12	
TSR6S-12015	12	1.5	3	5.5	6	6	75	12	

Work Material

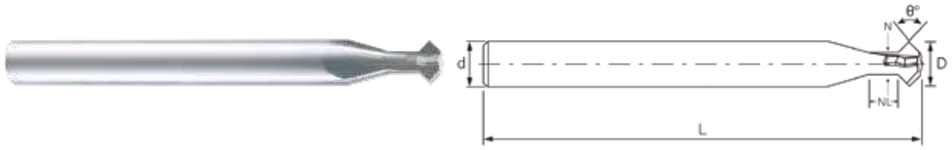
炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	○					△	○	◉	◉		

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

Profile Cutters Series

WACC 等角鳩尾銑刀 60°/90°
W-Angular Chamfer Cutters 60°/90°

K M P N



D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

MG Carbide

型號 – 外徑 Type No.	外徑 D	刃長 H	角度 θ°	頸徑 N	頸長 NL	刃數 T	全長 L	柄徑 d
WACC60-040	4	1.2	60°	1.8	3	4	50	4
WACC60-060	6	1.8	60°	2.7	4	4	60	6
WACC60-080	8	2.4	60°	3.6	5	6	60	8
WACC60-100	10	3.1	60°	4.5	6	6	75	10
WACC60-120	12	3.7	60°	5.4	7	6	75	12

型號 – 外徑 Type No.	外徑 D	刃長 H	角度 θ°	頸徑 N	頸長 NL	刃數 T	全長 L	柄徑 d
WACC90-040	4	1.8	90°	2	4	4	50	4
WACC90-060	6	2.8	90°	3	4	4	60	6
WACC90-080	8	3.8	90°	4	5	6	60	8
WACC90-100	10	4.8	90°	5	6	6	75	10
WACC90-120	12	5.8	90°	6	7	6	75	12

Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	○					△	○	◉	◉		

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

DTSC 鳩尾銑刀 45°/60°
Dove-Tail Slot Cutters 45°/60°

K M P N

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

MG Carbide

型號 – 外徑 Type No.	外徑 D	刃長 H	角度 θ°	頸徑 N	頸長 NL	刃數 T	全長 L	柄徑 d	價格 Price
DTSC45-030	3	0.8	45°	1.4	3	4	60	6	
DTSC45-040	4	1	45°	2	3	4	60	6	
DTSC45-050	5	1.2	45°	2.5	4	4	60	6	
DTSC45-060	6	1.4	45°	3	4	4	60	6	
DTSC45-080	8	1.9	45°	4	5	4	60	8	
DTSC45-100	10	2.4	45°	5	6	4	75	10	
DTSC45-120	12	2.9	45°	6	7	4	75	12	

型號 – 外徑 Type No.	外徑 D	刃長 H	角度 θ°	頸徑 N	頸長 NL	刃數 T	全長 L	柄徑 d	價格 Price
DTSC60-030	3	1.2	60°	1.5	3	4	60	6	
DTSC60-040	4	1.6	60°	2	3.5	4	60	6	
DTSC60-050	5	2.2	60°	2.3	4	4	60	6	
DTSC60-060	6	2.7	60°	3	4	4	60	6	
DTSC60-080	8	3.7	60°	3.6	5	4	60	8	
DTSC60-100	10	4.6	60°	5	6	4	75	10	
DTSC60-120	12	5.6	60°	5.4	7	4	75	12	

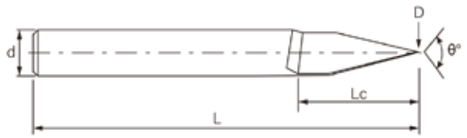
Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	○					△	○	◉	◉		

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

GND 鎢鋼雕刻刀
Carbide Engraving Cutters

K M P N



D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

MG Carbide

型號－外徑 Type No.	外徑 D	角度 θ°	刃長 Lc	刃數 T	全長 L	柄長 d	價格 Price
GND30-ST-04001	0.1	30°	12	1	50	4	
GND30-ST-04002	0.2	30°	12	1	50	4	
GND30-ST-06001	0.1	30°	15	1	50	6	
GND30-ST-06002	0.2	30°	15	1	50	6	

型號－外徑 Type No.	外徑 D	角度 θ°	刃長 Lc	刃數 T	全長 L	柄長 d	價格 Price
GND60-ST-04001	0.1	60°	12	1	50	4	
GND60-ST-04002	0.2	60°	12	1	50	4	
GND60-ST-06001	0.1	60°	15	1	50	6	
GND60-ST-06002	0.2	60°	15	1	50	6	

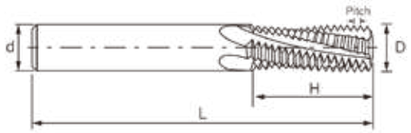
Work Material

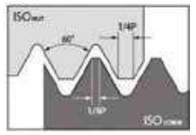
炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
○	○							◉	◉		

最適合加工 Most Suitable　○ 適合加工 Suitable　△ 可加工 Machinable

TP 螺旋銑牙刀
Thread Milling Tools-Helicai Flutes

K M P N





D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

UMG Carbide　HX Coating

型號－外徑 Type No.	牙距 Pitch	外徑 D	刃長 H	刃數 T	全長 L	柄徑 d	價格 Price
TP3S-04005	0.5	3.9	15	3	50	4	
TP3S-04007	0.7	3.9	15	3	50	4	
TP3S-040075	0.75	3.9	15	3	50	4	
TP3S-04008	0.8	3.9	15	3	50	4	
TP3S-04010	1	3.9	15	3	50	4	

型號－外徑 Type No.	牙距 Pitch	外徑 D	刃長 H	刃數 T	全長 L	柄徑 d	價格 Price
TP3S-06005	0.5	5.9	15	3	60	6	
TP3S-06007	0.7	5.9	15	3	60	6	
TP3S-060075	0.75	5.9	15	3	60	6	
TP3S-06008	0.8	5.9	15	3	60	6	
TP3S-06010	1	5.9	15	3	60	6	
TP3S-060125	1.25	5.9	15	3	60	6	
TP3S-060127	1.27	5.9	15	3	60	6	
TP3S-06015	1.5	5.9	15	3	60	6	
TP3S-0600793	0.793	5.9	15	3	60	6	
TP3S-0601058	1.058	5.9	15	3	60	6	
TP3S-0601411	1.411	5.9	15	3	60	6	
TP3S-0601587	1.587	5.9	15	3	60	6	
TP3S-0601814	1.814	5.9	15	3	60	6	

型號－外徑 Type No.	牙距 Pitch	外徑 D	刃長 H	刃數 T	全長 L	柄徑 d	價格 Price
TP3S-08005	0.5	7.9	20	3	60	8	
TP3S-080075	0.75	7.9	20	3	60	8	
TP3S-08010	1	7.9	20	3	60	8	
TP3S-080125	1.25	7.9	20	3	60	8	
TP3S-080127	1.27	7.9	20	3	60	8	
TP3S-08015	1.5	7.9	20	3	60	8	
TP3S-080175	1.75	7.9	20	3	60	8	
TP3S-0800793	0.793	7.9	20	3	60	8	
TP3S-0800907	0.907	7.9	20	3	60	8	
TP3S-0801058	1.058	7.9	20	3	60	8	

TP 螺旋銑牙刀
Thread Milling Tools-Helicai Flutes

K M P N

型號－外徑 Type No.	牙距 Pitch	外徑 D	刃長 H	刃數 T	全長 L	柄徑 d	價格 Price
TP3S-0801336	1.336	7.9	20	3	60	8	
TP3S-0801411	1.411	7.9	20	3	60	8	
TP3S-0801814	1.814	7.9	20	3	60	8	
TP3S-08020	2	7.9	20	3	60	8	
TP3S-0802116	2.116	7.9	20	3	60	8	

型號－外徑 Type No.	牙距 Pitch	外徑 D	刃長 H	刃數 T	全長 L	柄徑 d	價格 Price
TP4S-10005	0.5	9.9	25	4	75	10	
TP4S-100075	0.75	9.9	25	4	75	10	
TP4S-10010	1	9.9	25	4	75	10	
TP4S-100125	1.25	9.9	25	4	75	10	
TP4S-10015	1.5	9.9	25	4	75	10	
TP4S-100175	1.75	9.9	25	4	75	10	
TP4S-10020	2	9.9	25	4	75	10	
TP4S-1000907	0.907	9.9	25	4	75	10	
TP4S-1001058	1.058	9.9	25	4	75	10	
TP4S-100127	1.27	9.9	25	4	75	10	
TP4S-1001411	1.411	9.9	25	4	75	10	
TP4S-1001587	1.587	9.9	25	4	75	10	
TP4S-1001814	1.814	9.9	25	4	75	10	
TP4S-1001953	1.953	9.9	25	4	75	10	
TP4S-1002116	2.116	9.9	25	4	75	10	

型號－外徑 Type No.	牙距 Pitch	外徑 D	刃長 H	刃數 T	全長 L	柄徑 d	價格 Price
TP4S-12010	1	11.9	25	4	75	12	
TP4S-120125	1.25	11.9	25	4	75	12	
TP4S-12015	1.5	11.9	25	4	75	12	
TP4S-120175	1.75	11.9	25	4	75	12	
TP4S-12020	2	11.9	25	4	75	12	
TP4S-12025	2.5	11.9	25	4	75	12	
TP4S-1201058	1.058	11.9	25	4	75	12	
TP4S-120127	1.27	11.9	25	4	75	12	
TP4S-1200793	0.793	11.9	25	4	75	12	

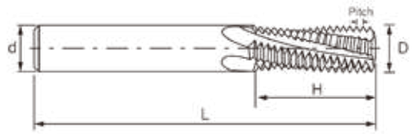
Work Material

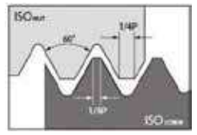
炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	△			○	○	○	○	△	△

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

Profile Cutters Series

TP 螺旋銑牙刀
Thread Milling Tools-Helicai Flutes
K M P N





D	公差 Tol
D≤12	0~-0.015
D＞12	0~-0.02

單位unit (mm)

UMG Carbide HX Coating

型號－外徑 Type No.	牙距 Pitch	外徑 D	刃長 H	刃數 T	全長 L	柄徑 d	價格 Price
TP4S-1201587	1.587	11.9	25	4	75	12	
TP4S-1201814	1.814	11.9	25	4	75	12	
TP4S-1202309	2.309	11.9	25	4	75	12	
TP4S-1201411	1.411	11.9	25	4	75	12	

型號－外徑 Type No.	牙距 Pitch	外徑 D	刃長 H	刃數 T	全長 L	柄徑 d	價格 Price
TP4S-16010	1	15.9	40	4	100	16	
TP4S-16015	1.5	15.9	40	4	100	16	
TP4S-1601814	1.814	15.9	40	4	100	16	
TP4S-16020	2	15.9	40	4	100	16	
TP4S-16025	2.5	15.9	40	4	100	16	
TP4S-16030	3	15.9	40	4	100	16	
TP4S-1602116	2.116	15.9	40	4	100	16	
TP4S-160254	2.54	15.9	40	4	100	16	
TP4S-1602822	2.822	15.9	40	4	100	16	
TP4S-16035	3.5	15.9	40	4	100	16	
TP4S-16040	4	15.9	40	4	100	16	

Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	△			○	○	○	○	△	△

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

TP55 銑牙刀－部份成型 55°
Thread Milling Tools-Partial Profile 55°

K M P N

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

UMG Carbide HX Coating

型號－外徑 Type No.	間距 (Pitch Range) MM	TPI	外徑 (D)	有效長 (H)	頸徑 (N)	刃數 (T)	全長 (L)	柄徑 d	價格 Price
TP55-040	0.5~1.0	48~24	4	12	2.1	3	50	4	
TP55-060	0.5~1.25	48~20	6	18	3.95	3	60	6	
TP55-080	0.75~1.5	32~16	8	24	3.85	3	60	8	
TP55-100	1.0~2.5	24~10	10	30	4.5	4	80	10	
TP55-120	1.0~2.5	24~10	12	36	5.4	4	80	12	

Work Material

炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	△			○	○	○	○	△	△

◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

TP60 銑牙刀－部份成型 60°
Thread Milling Tools-Partial Profile 60°

K M P N

D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

UMG Carbide HX Coating

型號－外徑 Type No.	間距 (Pitch Range) MM	TPI	外徑 (D)	有效長 (H)	頸徑 (N)	刃數 (T)	全長 (L)	柄徑 d	價格 Price
TP60-0195	0.35~0.6	72~40	1.95	6	0.75	3	50	3	
TP60-0245	0.5~0.8	48~32	2.45	7.7	0.95	3	50	3	
TP60-0315	0.5~0.8	48~32	3.15	10	1.65	3	50	4	
TP60-040	0.5~1.0	48~24	4	12	2.07	3	50	4	
TP60-047	0.5~1.25	48~20	4.7	15	2.33	3	60	6	
TP60-060	0.5~1.25	48~20	6	18	3.63	3	60	6	
TP60-080	0.75~1.5	32~16	8	24	5.15	3	60	8	
TP60-100	1.0~2.5	24~10	10	30	5.28	4	80	10	
TP60-120	1.0~2.5	24~10	12	36	7.28	4	80	12	

Work Material

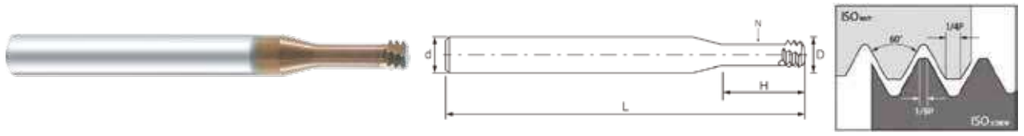
炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	△			○	○	○	○	△	△

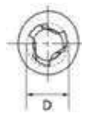
◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

TPM 銑牙刀-ISO 公制 2D/3D

Thread Milling Tools-ISO Metric 2D/3D

K M P N





D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

UMG Carbide HX Coating

型號 - 外徑 Type No.	牙尺寸 (Thread Size)	牙距 Pitch	外徑 (D)	有效長 (H)	刃數 (T)	全長 (L)	柄徑 d	價格 Price
TPM-2D-0072	M1.0x0.25	0.25	0.72	2.5	3	50	4	
TPM-2D-0092	M1.2x0.25	0.25	0.92	2.8	3	50	4	
TPM-2D-012	M1.6x0.35	0.35	1.2	3.3	3	50	3	
TPM-2D-0154	M2.0x0.4	0.4	1.54	4.4	3	50	3	
TPM-2D-0163	M2.2x0.45	0.45	1.63	4.8	3	50	3	
TPM-2D-0196	M2.5x0.45	0.45	1.96	5.3	3	50	4	
TPM-2D-024	M3.0x0.5	0.5	2.4	6.4	3	50	4	
TPM-2D-0275	M3.5x0.6	0.6	2.75	7.4	3	50	4	
TPM-2D-0315	M4.0x0.7	0.7	3.15	8.6	3	60	6	
TPM-2D-040	M5.0x0.8	0.8	4	12	3	60	6	
TPM-2D-0475	M6.0x1.0	1	4.75	13	3	60	6	
TPM-2D-0595	M8.0x1.25	1.25	5.95	17.3	3	60	6	
TPM-2D-079	M10x1.5	1.5	7.9	22	3	60	8	
TPM-2D-095	M12x1.75	1.75	9.5	25.5	3	80	10	
型號 - 外徑 Type No.	**牙尺寸 (Thread Size)**	**牙距 Pitch**	**外徑 (D)**	**有效長 (H)**	**刃數 (T)**	**全長 (L)**	**柄徑 d**	**價格 Price**
TPM-3D-0106	M1.4x0.3	0.3	1.06	3.9	3	50	3	
TPM-3D-012	M1.6x0.35	0.35	1.2	5.1	3	50	3	
TPM-3D-0154	M2.0x0.4	0.4	1.54	6.1	3	50	3	
TPM-3D-0196	M2.5x0.45	0.45	1.96	7.6	3	50	4	
TPM-3D-024	M3.0x0.5	0.5	2.4	9.3	3	50	4	
TPM-3D-0315	M4.0x0.7	0.7	3.15	12.4	3	60	6	
TPM-3D-040	M5.0x0.8	0.8	4	15.6	3	60	6	
TPM-3D-0475	M6.0x1.0	1	4.75	19	3	60	6	
TPM-3D-0595	M8.0x1.25	1.25	5.95	24.3	3	60	6	
TPM-3D-079	M10x1.5	1.5	7.9	31	3	60	8	
TPM-3D-095	M12x1.75	1.75	9.5	36.5	3	80	10	

Work Material

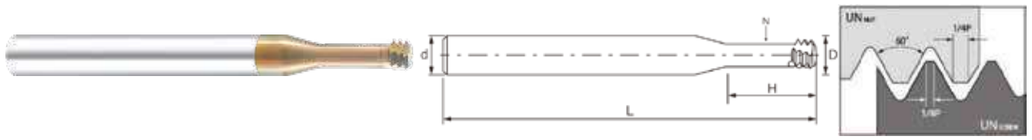
炭素鋼 CARBON STEELS 工具鋼 ALLOY STEELS	合金鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
◉	◉	○	△			○	○	○	○	△	△

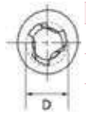
◉ 最適合加工 Most Suitable ○ 適合加工 Suitable △ 可加工 Machinable

TPUN 銑牙刀-UN 美制 2D/3D

Thread Milling Tools-UN US Units 2D/3D

K M P N





D	公差 Tol
D≤12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

UMG Carbide HX Coating

型號-牙距-外徑 Type No.	牙尺寸 (Thread Size) 粗牙 COARSE UNC	細牙 FINE UNF	牙距 (Pitch)	外徑 (D)	有效長 (H)	刃數 (T)	全長 (L)	柄徑 d	價格 Price
TPUN-2D-72144		#1-72UNF	72	1.44	3.8	3	50	3	
TPUN-2D-6414	#1-64UNC	#2-64UNF	64	1.4	3.9	3	50	3	
TPUN-2D-56166	#2-56UNC	#3-56UNF	56	1.66	4.6	3	50	3	
TPUN-2D-48188	#3-48UNC	#4-48UNF	48	1.88	5.4	3	50	4	
TPUN-2D-40212	#4-40UNC		40	2.12	6.2	3	50	4	
TPUN-2D-40246	#5-40UNC	#6-40UNF	40	2.46	7.1	3	50	4	
TPUN-2D-36331		#8-36UNF	36	3.31	8.8	3	50	4	
TPUN-2D-32257	#6-32UNC		32	2.57	7.3	3	50	4	
TPUN-2D-32322	#8-32UNC	#10-32UNF	32	3.22	10.1	3	60	6	
TPUN-2D-2852		1/4-28UNF	28	5.2	14	3	60	6	
TPUN-2D-24355	#10-24UNC		24	3.55	10.4	3	60	6	
TPUN-2D-24665		5/16-24UNF	24	6.65	16.7	3	60	8	
TPUN-2D-20485	1/4-20UNC	7/16-20UNF	20	4.85	13.7	3	60	6	
TPUN-2D-18595	5/16-18UNC		18	5.95	16.5	3	60	6	
TPUN-2D-1669	3/8-16UNC		16	6.9	21	3	60	8	
TPUN-2D-14795	7/16-14UNC		14	7.95	23.5	3	60	8	
TPUN-2D-1393	1/2-13UNC		13	9.3	27	3	80	10	
TPUN-2D-12995	9/16-12UNC		12	9.95	29	3	80	10	
TPUN-2D-11115	5/8-11UNC		11	11.5	33	3	80	12	

型號-牙距-外徑 Type No.	牙尺寸 (Thread Size) 粗牙 COARSE UNC	細牙 FINE UNF	牙距 (Pitch)	外徑 (D)	有效長 (H)	刃數 (T)	全長 (L)	柄徑 d	價格 Price
TPUN-3D-80118		#0-80UNF	80	1.18	3.9	3	50	3	
TPUN-3D-72144		#1-72UNF	72	1.44	5.8	3	50	3	
TPUN-3D-56166	#2-56UNC	#3-56UNF	56	1.66	6.8	3	50	3	
TPUN-3D-40212	#4-40UNC		40	2.12	8.1	3	50	4	
TPUN-3D-40246	#5-40UNC	#6-40UNF	40	2.46	9.8	3	50	4	
TPUN-3D-32257	#6-32UNC		32	2.57	10.7	3	50	4	
TPUN-3D-32322	#8-32UNC	#10-32UNF	32	3.22	12.7	3	60	6	
TPUN-3D-2852		1/4-28UNF	28	5.2	19.3	3	60	6	
TPUN-3D-24665		5/16-24UNF	24	6.65	24.2	3	60	8	
TPUN-3D-20485	1/4-20UNC	7/16-20UNF	20	4.85	19.4	3	60	6	

立銑刀訂製品詢價單
Special End Mills Inquiry Form

客戶：
Customers

Date: 年 / Y 月 / M 日 / D

電話：
Tel

傳真：
Fax

被削材：
Material to be cut _____

硬度：
Hardened _____

聯絡人：
Contact

分機：
Ext

加工型式：切深 Ap: ☐ mm 切寬 Ae: ☐ mm
Works Type

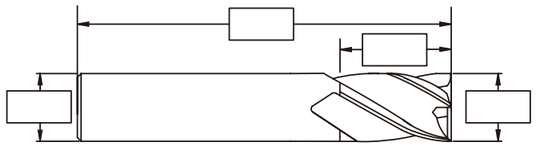
E-maill:

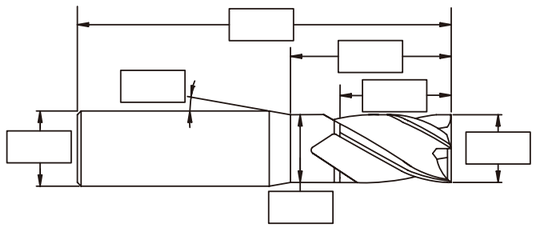
需求數：
Quantities,pcs _____

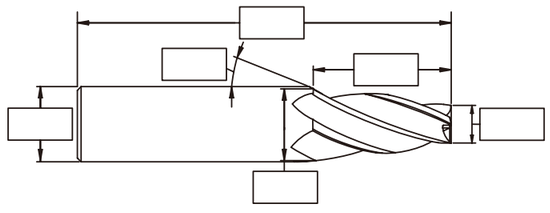
塗層：
Coating

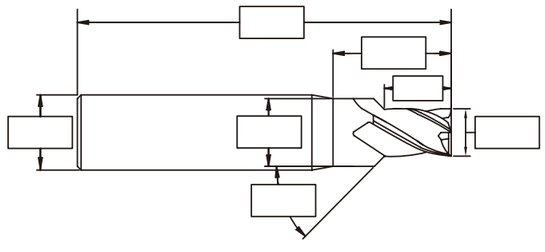
☐ 塗層 Coating

☐ 無塗層 Uncoating

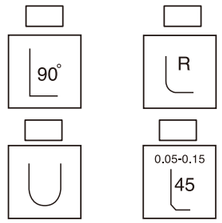




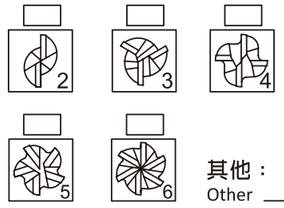




刀底型式：
Corner of cutting angle

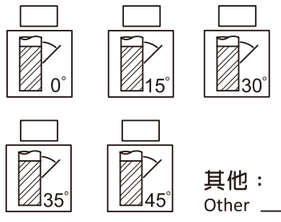


刃數：
Teeth



其他：
Other _____

螺旋角：
Helix Angle



其他：
Other _____

備註：
Remarks

鑽頭訂製品詢價單
Special Drills Inquiry Form

客戶：
Customers

Date: 年 / Y 月 / M 日 / D

電話：
Tel

傳真：
Fax

被削材：
Material to be cut _____

硬度：
Hardened _____

聯絡人：
Contact

分機：
Ext

加工型式：深度 Dp: ☐ mm 冷卻水孔 Coolant Holes ☐ 有 Yes ☐ 無 No
Works Type

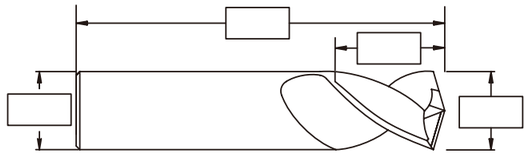
E-maill:

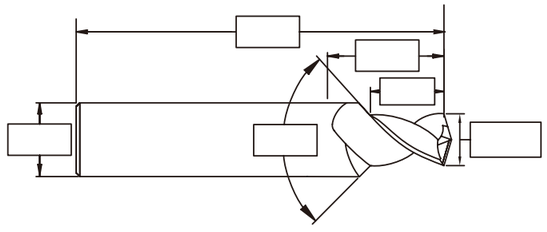
需求數：
Quantities,pcs _____

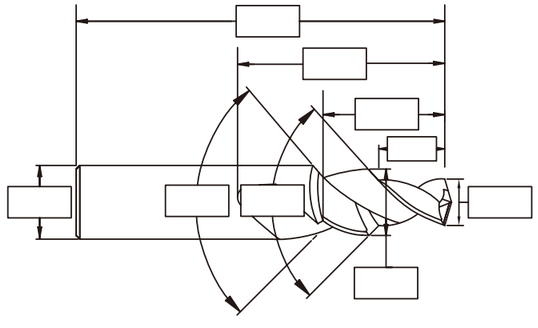
塗層：
Coating

☐ 塗層 Coating

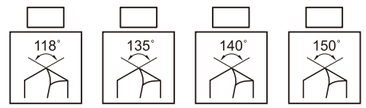
☐ 無塗層 Uncoating



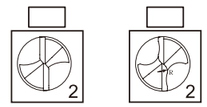




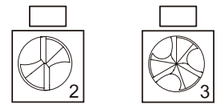
鑽尖：
Point Angle



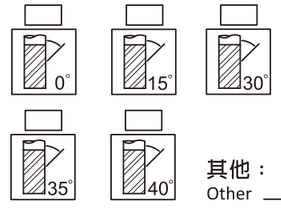
鑽尖型式：
Point Type



刃數：
Teeth



螺旋角：
Helix Angle



其他：
Other _____

備註：
Remarks