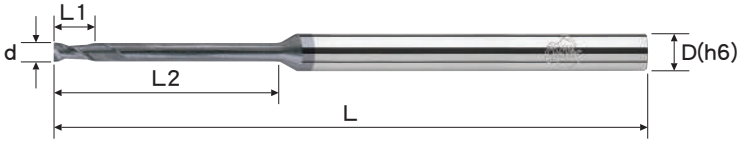
S220 鎢鋼平銑刀- 長頸型- 2刃

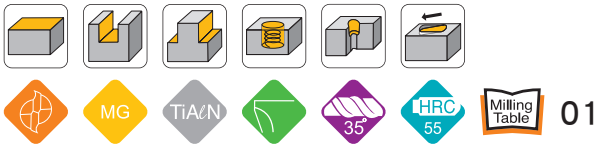
S220 MICRO GRAIN CARBIDE END MILLS- Square Type & Long Neck- 2F

· CEN20000000A



刃徑 d	公差 Tolerance
Φ	0 ~ -0.02

超精銑 Bright Finishing	—
精銑 Finishing	○
中銑 Semi Finishing	◎
粗銑 Roughing	○



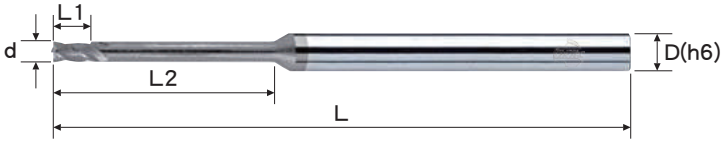
刃徑 d	刃長 L1	有效長 L2	全長 L	柄徑 D	刃數 F	白刀訂購編號 Uncoated Order No.	鍍膜訂購編號 Coated Order No.
1.0	1.5	7.5	50	4	2	CEN20100075	CEN20100075A
1.0	1.5	11.5	50	4	2	CEN20100115	CEN20100115A
1.2	2.0	8.0	50	4	2	CEN20120080	CEN20120080A
1.2	2.0	12.0	50	4	2	CEN20120120	CEN20120120A
1.5	2.5	10.5	50	4	2	CEN20150105	CEN20150105A
1.5	2.5	18.5	50	4	2	CEN20150185	CEN20150185A
1.8	3.0	11.0	50	4	2	CEN20180110	CEN20180110A
1.8	3.0	19.0	50	4	2	CEN20180190	CEN20180190A
2.0	3.0	11.0	50	4	2	CEN20200110	CEN20200110A
2.0	3.0	19.0	50	4	2	CEN20200190	CEN20200190A
2.0	3.0	23.0	60	4	2	CEN20200230	CEN20200230A
2.5	3.5	15.5	50	4	2	CEN20250155	CEN20250155A
2.5	3.5	23.5	60	4	2	CEN20250235	CEN20250235A
3.0	4.5	16.5	60	6	2	CEN20300165	CEN20300165A
3.0	4.5	24.5	75	6	2	CEN20300245	CEN20300245A
4.0	6.0	26.0	75	6	2	CEN20400260	CEN20400260A
4.0	6.0	36.0	75	6	2	CEN20400360	CEN20400360A

切削條件表 Cutting Condition P.253
技術資料 Technical Data P.302

S220 鎢鋼平銑刀- 長頸型- 4刃

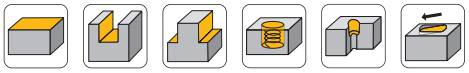
S220 MICRO GRAIN CARBIDE END MILLS- Square Type & Long Neck- 4F

· CEN40000000A



刃徑 d	公差 Tolerance
Φ	0 ~ -0.02

超精銑 Bright Finishing	○
精銑 Finishing	◎
中銑 Semi Finishing	○
粗銑 Roughing	—



02

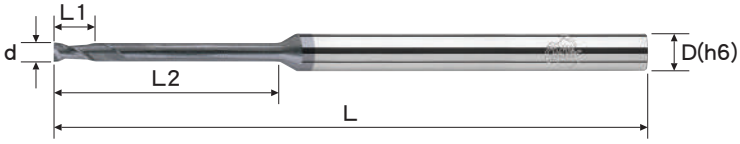
刃徑 d	刃長 L1	有效長 L2	全長 L	柄徑 D	刃數 F	白刀訂購編號 Uncoated Order No.	鍍膜訂購編號 Coated Order No.
1.0	1.5	7.5	50	4	4	CEN40100075	CEN40100075A
1.0	1.5	11.5	50	4	4	CEN40100115	CEN40100115A
1.2	2.0	8.0	50	4	4	CEN40120080	CEN40120080A
1.2	2.0	12.0	50	4	4	CEN40120120	CEN40120120A
1.5	2.5	10.5	50	4	4	CEN40150105	CEN40150105A
1.5	2.5	18.5	50	4	4	CEN40150185	CEN40150185A
1.8	3.0	11.0	50	4	4	CEN40180110	CEN40180110A
1.8	3.0	19.0	50	4	4	CEN40180190	CEN40180190A
2.0	3.0	11.0	50	4	4	CEN40200110	CEN40200110A
2.0	3.0	19.0	50	4	4	CEN40200190	CEN40200190A
2.0	3.0	23.0	60	4	4	CEN40200230	CEN40200230A
2.5	3.5	15.5	50	4	4	CEN40250155	CEN40250155A
2.5	3.5	23.5	60	4	4	CEN40250235	CEN40250235A
3.0	4.5	16.5	60	6	4	CEN40300165	CEN40300165A
3.0	4.5	24.5	75	6	4	CEN40300245	CEN40300245A
4.0	6.0	26.0	75	6	4	CEN40400260	CEN40400260A
4.0	6.0	36.0	75	6	4	CEN40400360	CEN40400360A

切削條件表 Cutting Condition P.253
技術資料 Technical Data P.302

M520 極細鎢鋼平銑刀- 長頸型- 2刃

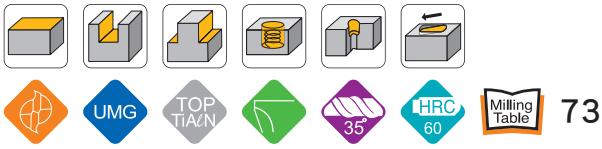
M520 ULTRA CARBIDE END MILLS- Square Type- Long Neck- 2F

· MEN20000000A



刃徑 d	公差 Tolerance
Φ	0 ~ -0.02

超精銑 Bright Finishing	—
精銑 Finishing	○
中銑 Semi Finishing	◎
粗銑 Roughing	○



73

+SIZE

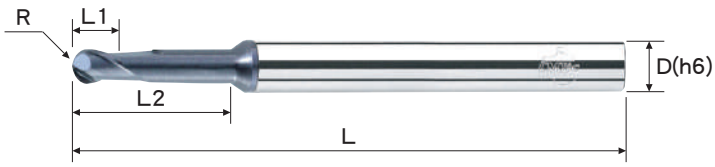
刃徑 d	刃長 L1	有效長 L2	全長 L	柄徑 D	刃數 F	白刀訂購編號 Uncoated Order No.	鍍膜訂購編號 Coated Order No.
1.0	1.5	4.0	50	4	2	MEN20100040	MEN20100040A
1.0	1.5	8.0	50	4	2	MEN20100080	MEN20100080A
1.2	1.8	6.0	50	4	2	MEN20120060	MEN20120060A
1.2	1.8	10.0	50	4	2	MEN20120100	MEN20120100A
1.5	2.3	8.0	50	4	2	MEN20150080	MEN20150080A
1.5	2.3	12.0	50	4	2	MEN20150120	MEN20150120A
1.8	2.7	10.0	50	4	2	MEN20180100	MEN20180100A
1.8	2.7	16.0	50	4	2	MEN20180160	MEN20180160A
2.0	3.0	10.0	50	4	2	MEN20200100	MEN20200100A
2.0	3.0	16.0	50	4	2	MEN20200160	MEN20200160A
2.0	3.0	20.0	60	4	2	MEN20200200	MEN20200200A
2.5	3.5	12.0	50	4	2	MEN20250120	MEN20250120A
2.5	3.5	20.0	60	4	2	MEN20250200	MEN20250200A
3.0	4.5	12.0	50	6	2	MEN20300120	MEN20300120A
3.0	4.5	20.0	60	6	2	MEN20300200	MEN20300200A
4.0	6.0	20.0	60	6	2	MEN20400200	MEN20400200A
4.0	6.0	30.0	60	6	2	MEN20400300	MEN20400300A
1.0	1.5	4.0	38	4	2	MEN20100040038L	MEN20100040038LA
1.0	1.5	8.0	38	4	2	MEN20100080038L	MEN20100080038LA
1.2	1.8	6.0	38	4	2	MEN20120060038L	MEN20120060038LA
1.2	1.8	10.0	38	4	2	MEN20120100038L	MEN20120100038LA
1.5	2.3	8.0	38	4	2	MEN20150080038L	MEN20150080038LA
1.5	2.3	12.0	38	4	2	MEN20150120038L	MEN20150120038LA
1.8	2.7	10.0	38	4	2	MEN20180100038L	MEN20180100038LA
1.8	2.7	16.0	38	4	2	MEN20180160038L	MEN20180160038LA
2.0	3.0	10.0	38	4	2	MEN20200100038L	MEN20200100038LA
2.0	3.0	16.0	38	4	2	MEN20200160038L	MEN20200160038LA
2.0	3.0	20.0	50	4	2	MEN20200200050L	MEN20200200050LA
2.5	3.5	12.0	38	4	2	MEN20250120038L	MEN20250120038LA
2.5	3.5	20.0	50	4	2	MEN20250200050L	MEN20250200050LA
3.0	4.5	12.0	38	6	2	MEN20300120038L	MEN20300120038LA
3.0	4.5	20.0	50	6	2	MEN20300200050L	MEN20300200050LA
4.0	6.0	20.0	50	6	2	MEN20400200050L	MEN20400200050LA
4.0	6.0	30.0	50	6	2	MEN20400300050L	MEN20400300050LA

切削條件表 Cutting Condition P.292
技術資料 Technical Data P.302

S220 鎢鋼球型銑刀- 長頸型- 2刃

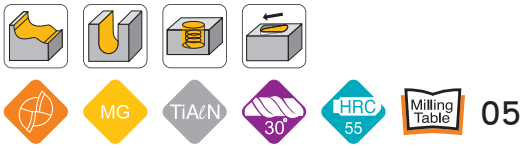
S220 MICRO GRAIN CARBIDE END MILLS- Ball Nosed & Long Neck- 2F

· CEBN2 0000000 A



半徑 R	公差 Tolerance
R	±0.02

超精銑 Bright Finishing	—
精銑 Finishing	○
中銑 Semi Finishing	◎
粗銑 Roughing	○



05

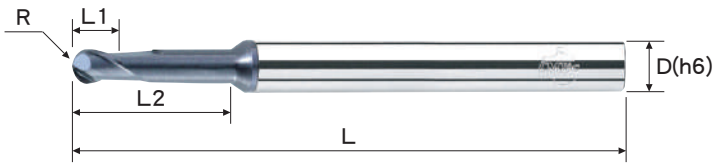
半徑 R	刃長 L1	有效長 L2	全長 L	柄徑 D	刃數 F	白刀訂購編號 Uncoated Order No.	鍍膜訂購編號 Coated Order No.
0.5R	1.5	7.5	50	4	2	CEBN20050075	CEBN20050075A
0.5R	1.5	11.5	50	4	2	CEBN20050115	CEBN20050115A
0.75R	2.5	10.5	50	4	2	CEBN20075105	CEBN20075105A
0.75R	2.5	18.5	50	4	2	CEBN20075185	CEBN20075185A
1.0R	3.0	11.0	50	4	2	CEBN20100110	CEBN20100110A
1.0R	3.0	19.0	50	4	2	CEBN20100190	CEBN20100190A
1.0R	3.0	23.0	60	4	2	CEBN20100230	CEBN20100230A
1.25R	3.5	15.5	50	4	2	CEBN20125155	CEBN20125155A
1.25R	3.5	23.5	60	4	2	CEBN20125235	CEBN20125235A
1.5R	4.5	16.5	60	6	2	CEBN20150165	CEBN20150165A
1.5R	4.5	24.5	75	6	2	CEBN20150245	CEBN20150245A
2.0R	6.0	26.0	75	6	2	CEBN20200260	CEBN20200260A
2.0R	6.0	36.0	75	6	2	CEBN20200360	CEBN20200360A

切削條件表 Cutting Condition P.256
技術資料 Technical Data P.302

M520 極細鎢鋼球型銑刀- 長頸型- 2刃

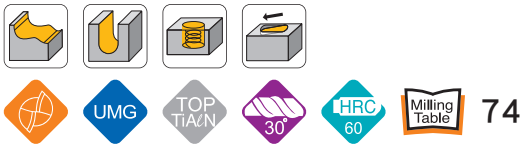
M520 ULTRA CARBIDE END MILLS- Ball Nosed- Long Neck- 2F

· MEBN2 0000000 A



半徑 R	公差 Tolerance
R	±0.02

超精銑 Bright Finishing	—
精銑 Finishing	○
中銑 Semi Finishing	◎
粗銑 Roughing	○



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+SIZE

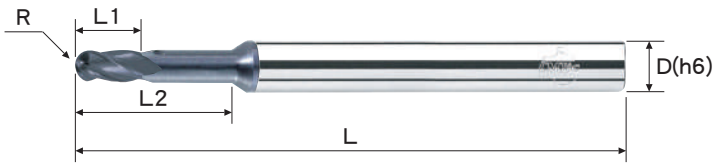
半徑 R	刃長 L1	有效長 L2	全長 L	柄徑 D	刃數 F	白刀訂購編號 Uncoated Order No.	鍍膜訂購編號 Coated Order No.
0.5R	0.8	4.0	50	4	2	MEBN20050040	MEBN20050040A
0.5R	0.8	7.0	50	4	2	MEBN20050070	MEBN20050070A
0.75R	1.2	6.0	50	4	2	MEBN20075060	MEBN20075060A
0.75R	1.2	10.0	50	4	2	MEBN20075100	MEBN20075100A
1.0R	1.6	8.0	50	4	2	MEBN20100080	MEBN20100080A
1.0R	1.6	12.0	50	4	2	MEBN20100120	MEBN20100120A
1.0R	1.6	18.0	50	4	2	MEBN20100180	MEBN20100180A
1.25R	2.0	10.0	50	4	2	MEBN20125100	MEBN20125100A
1.25R	2.0	20.0	60	4	2	MEBN20125200	MEBN20125200A
1.5R	2.4	12.0	50	6	2	MEBN20150120	MEBN20150120A
1.5R	2.4	20.0	60	6	2	MEBN20150200	MEBN20150200A
2.0R	3.2	16.0	50	6	2	MEBN20200160	MEBN20200160A
2.0R	3.2	25.0	60	6	2	MEBN20200250	MEBN20200250A
0.5R	0.8	4.0	38	4	2	MEBN20050040038L	MEBN20050040038LA
0.5R	0.8	7.0	38	4	2	MEBN20050070038L	MEBN20050070038LA
0.75R	1.2	6.0	38	4	2	MEBN20075060038L	MEBN20075060038LA
0.75R	1.2	10.0	38	4	2	MEBN20075100038L	MEBN20075100038LA
1.0R	1.6	8.0	38	4	2	MEBN20100080038L	MEBN20100080038LA
1.0R	1.6	12.0	38	4	2	MEBN20100120038L	MEBN20100120038LA
1.0R	1.6	18.0	38	4	2	MEBN20100180038L	MEBN20100180038LA
1.25R	2.0	10.0	38	4	2	MEBN20125100038L	MEBN20125100038LA
1.25R	2.0	20.0	50	4	2	MEBN20125200050L	MEBN20125200050LA
1.5R	2.4	12.0	38	6	2	MEBN20150120038L	MEBN20150120038LA
1.5R	2.4	20.0	50	6	2	MEBN20150200050L	MEBN20150200050LA
2.0R	3.2	16.0	38	6	2	MEBN20200160038L	MEBN20200160038LA
2.0R	3.2	25.0	50	6	2	MEBN20200250050L	MEBN20200250050LA

切削條件表 Cutting Condition P.292
技術資料 Technical Data P.302

M520 極細鎢鋼球型銑刀- 長頸型- 4刃

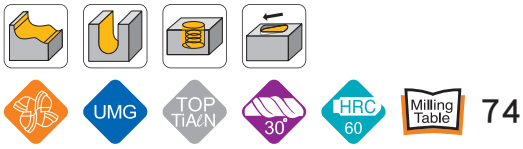
M520 ULTRA CARBIDE END MILLS- Ball Nosed- Long Neck- 4F

· MEBN40000000A



半徑 R	公差 Tolerance
R	±0.02

超精銑 Bright Finishing	○
精銑 Finishing	◎
中銑 Semi Finishing	○
粗銑 Roughing	—



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半徑 R	刃長 L1	有效長 L2	全 長 L	柄徑 D	刃數 F	白刀訂購編號 Uncoated Order No.	鍍膜訂購編號 Coated Order No.
0.5R	0.8	4.0	50	4	4	MEBN40050040	MEBN40050040A
0.5R	0.8	7.0	50	4	4	MEBN40050070	MEBN40050070A
0.75R	1.2	6.0	50	4	4	MEBN40075060	MEBN40075060A
0.75R	1.2	10.0	50	4	4	MEBN40075100	MEBN40075100A
1.0R	1.6	8.0	50	4	4	MEBN40100080	MEBN40100080A
1.0R	1.6	12.0	50	4	4	MEBN40100120	MEBN40100120A
1.0R	1.6	18.0	50	4	4	MEBN40100180	MEBN40100180A
1.25R	2.0	10.0	50	4	4	MEBN40125100	MEBN40125100A
1.25R	2.0	20.0	60	4	4	MEBN40125200	MEBN40125200A
1.5R	2.4	12.0	50	6	4	MEBN40150120	MEBN40150120A
1.5R	2.4	20.0	60	6	4	MEBN40150200	MEBN40150200A
2.0R	3.2	16.0	50	6	4	MEBN40200160	MEBN40200160A
2.0R	3.2	25.0	60	6	4	MEBN40200250	MEBN40200250A

➡ 切削條件表 Cutting Condition P.292
➡ 技術資料 Technical Data P.302

N620 奈米鎢鋼球型銑刀- 短刃長頸型- 2刃

N620 NANO CARBIDE END MILLS- Ball Nosed- Short Flute- Long Neck- 2F

· NEBND2 0000000 A

半徑 R	公差 Tolerance
R	±0.02

超精銑 Bright Finishing	○
精銑 Finishing	◎
中銑 Semi Finishing	○
粗銑 Roughing	—

NMG TOP TiSiN 30° HRC 63 Milling Table 41

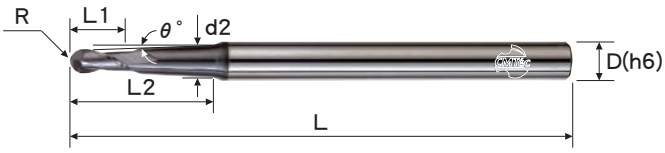
半徑 R	刃徑 d	刃長 L1	有效長 L2	全長 L	柄徑 D	刃數 F	鍍膜訂單編號 Coated Order No.
0.3R	0.6	0.6	3.0	50	4	2	NEBND20030030A
0.3R	0.6	0.6	4.0	50	4	2	NEBND20030040A
0.4R	0.8	0.8	4.0	50	4	2	NEBND20040040A
0.4R	0.8	0.8	6.0	50	4	2	NEBND20040060A
0.5R	1.0	1.0	4.0	50	4	2	NEBND20050040A
0.5R	1.0	1.0	6.0	50	4	2	NEBND20050060A
0.5R	1.0	1.0	8.0	50	4	2	NEBND20050080A
0.75R	1.5	1.5	6.0	50	4	2	NEBND20075060A
0.75R	1.5	1.5	9.0	50	4	2	NEBND20075090A
0.75R	1.5	1.5	12.0	50	4	2	NEBND20075120A
1.0R	2.0	2.0	8.0	50	4	2	NEBND20100080A
1.0R	2.0	2.0	12.0	50	4	2	NEBND20100120A
1.0R	2.0	2.0	16.0	50	4	2	NEBND20100160A
1.5R	3.0	3.0	12.0	60	6	2	NEBND20150120A
1.5R	3.0	3.0	18.0	60	6	2	NEBND20150180A
1.5R	3.0	3.0	25.0	75	6	2	NEBND20150250A
2.0R	4.0	4.0	16.0	75	6	2	NEBND20200160A
2.0R	4.0	4.0	25.0	75	6	2	NEBND20200250A
2.0R	4.0	4.0	30.0	75	6	2	NEBND20200300A
2.5R	5.0	5.0	20.0	75	6	2	NEBND20250200A
2.5R	5.0	5.0	30.0	75	6	2	NEBND20250300A
2.5R	5.0	5.0	40.0	75	6	2	NEBND20250400A
3.0R	6.0	6.0	30.0	75	6	2	NEBND20300300A
3.0R	6.0	6.0	45.0	100	6	2	NEBND20300450A

切削條件表 Cutting Condition P.274
技術資料 Technical Data P.302

S220 鎢鋼球型銑刀- 斜頸型- 2刃

S220 MICRO GRAIN CARBIDE END MILLS- Taper Neck Ball Nosed- 2F

· CENL20000A



半徑 R	公差 Tolerance
R	±0.02

超精銑 Bright Finishing	—
精銑 Finishing	○
中銑 Semi Finishing	◎
粗銑 Roughing	○

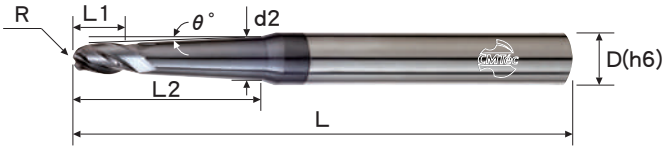
MG TiAlN 30° HRC 55 Milling Table 05

半徑 R	半夾角 θ°	刃長 L1	有效長 L2	粗端徑 d2	全長 L	柄徑 D	刃數 F	白刀訂購編號 Uncoated Order No.	鍍膜訂購編號 Coated Order No.
1.0R	3°	4	42	5.98	100	8	2	CENL20100	CENL20100A
1.5R	3°	6	47	7.30	100	8	2	CENL20150	CENL20150A
2.0R	3°	8	38	7.14	100	8	2	CENL20200	CENL20200A
2.5R	3°	10	28	6.89	100	8	2	CENL20250	CENL20250A
3.0R	3°	12	38	8.73	100	10	2	CENL20300	CENL20300A
4.0R	3°	16	38	10.31	150	12	2	CENL20400	CENL20400A
5.0R	3°	20	57	13.88	150	16	2	CENL20500	CENL20500A
6.0R	3°	24	38	13.47	150	16	2	CENL20600	CENL20600A

S220 鎢鋼球型銑刀- 斜頸型- 4刃

S220 MICRO GRAIN CARBIDE END MILLS- Taper Neck Ball Nosed- 4F

· CENL40000A



半徑 R	公差 Tolerance
R	±0.02

超精銑 Bright Finishing	○
精銑 Finishing	◎
中銑 Semi Finishing	○
粗銑 Roughing	—

MG TiAlN 30° HRC 55 Milling Table 05

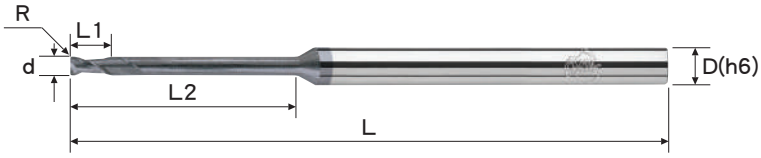
半徑 R	半夾角 θ°	刃長 L1	有效長 L2	粗端徑 d2	全長 L	柄徑 D	刃數 F	白刀訂購編號 Uncoated Order No.	鍍膜訂購編號 Coated Order No.
1.0R	3°	4	42	5.98	100	8	4	CENL40100	CENL40100A
1.5R	3°	6	47	7.30	100	8	4	CENL40150	CENL40150A
2.0R	3°	8	38	7.14	100	8	4	CENL40200	CENL40200A
2.5R	3°	10	28	6.89	100	8	4	CENL40250	CENL40250A
3.0R	3°	12	38	8.73	100	10	4	CENL40300	CENL40300A
4.0R	3°	16	38	10.31	150	12	4	CENL40400	CENL40400A
5.0R	3°	20	57	13.88	150	16	4	CENL40500	CENL40500A
6.0R	3°	24	38	13.47	150	16	4	CENL40600	CENL40600A

切削條件表 Cutting Condition P.256
技術資料 Technical Data P.302

M520 極細鎢鋼圓鼻銑刀- 長頸型- 2刃

M520 ULTRA CARBIDE END MILLS- Corner Radius- Square Type- Long Neck- 2F

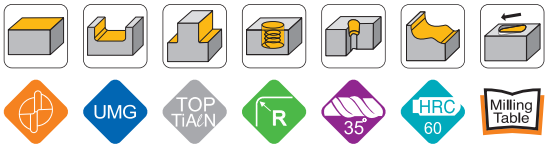
· MECRN2000000000A



刃徑 d	公差 Tolerance
Φ<3	0 ~ -0.02
3≦Φ≦10	-0.01 ~ -0.03
10<Φ	-0.01 ~ -0.04

半徑 R	公差 Tolerance
R	±0.02

超精銑 Bright Finishing	—
精銑 Finishing	○
中銑 Semi Finishing	◎
粗銑 Roughing	◎



32

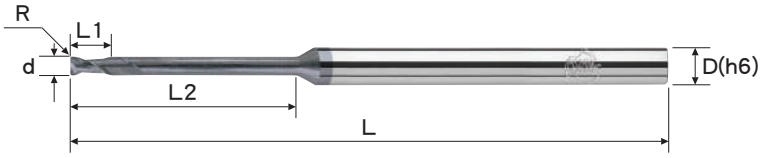
刃徑 d	R角 R	刃長 L1	有效長 L2	全長 L	柄徑 D	刃數 F	白刀訂購編號 Uncoated Order No.	鍍膜訂購編號 Coated Order No.
1.0	0.2	1.5	4	50	4	2	MECRN2010002040	MECRN2010002040A
1.0	0.2	1.5	6	50	4	2	MECRN2010002060	MECRN2010002060A
1.0	0.2	1.5	8	50	4	2	MECRN2010002080	MECRN2010002080A
1.0	0.2	1.5	10	50	4	2	MECRN2010002100	MECRN2010002100A
1.0	0.2	1.5	12	50	4	2	MECRN2010002120	MECRN2010002120A
1.5	0.2	2.3	6	50	4	2	MECRN2015002060	MECRN2015002060A
1.5	0.2	2.3	8	50	4	2	MECRN2015002080	MECRN2015002080A
1.5	0.2	2.3	10	50	4	2	MECRN2015002100	MECRN2015002100A
1.5	0.2	2.3	12	50	4	2	MECRN2015002120	MECRN2015002120A
1.5	0.2	2.3	16	50	4	2	MECRN2015002160	MECRN2015002160A
2.0	0.2	3.0	6	50	4	2	MECRN2020002060	MECRN2020002060A
2.0	0.2	3.0	8	50	4	2	MECRN2020002080	MECRN2020002080A
2.0	0.2	3.0	10	50	4	2	MECRN2020002100	MECRN2020002100A
2.0	0.2	3.0	12	50	4	2	MECRN2020002120	MECRN2020002120A
2.0	0.2	3.0	16	50	4	2	MECRN2020002160	MECRN2020002160A
2.0	0.2	3.0	20	60	4	2	MECRN2020002200	MECRN2020002200A
2.0	0.3	3.0	6	50	4	2	MECRN2020003060	MECRN2020003060A
2.0	0.3	3.0	8	50	4	2	MECRN2020003080	MECRN2020003080A
2.0	0.3	3.0	10	50	4	2	MECRN2020003100	MECRN2020003100A
2.0	0.3	3.0	12	50	4	2	MECRN2020003120	MECRN2020003120A
2.0	0.3	3.0	16	50	4	2	MECRN2020003160	MECRN2020003160A
2.0	0.3	3.0	20	60	4	2	MECRN2020003200	MECRN2020003200A
2.0	0.5	3.0	6	50	4	2	MECRN2020005060	MECRN2020005060A
2.0	0.5	3.0	8	50	4	2	MECRN2020005080	MECRN2020005080A
2.0	0.5	3.0	10	50	4	2	MECRN2020005100	MECRN2020005100A
2.0	0.5	3.0	12	50	4	2	MECRN2020005120	MECRN2020005120A
2.0	0.5	3.0	16	50	4	2	MECRN2020005160	MECRN2020005160A
2.0	0.5	3.0	20	60	4	2	MECRN2020005200	MECRN2020005200A
2.5	0.2	3.5	10	50	4	2	MECRN2025002100	MECRN2025002100A
2.5	0.2	3.5	16	50	4	2	MECRN2025002160	MECRN2025002160A
2.5	0.2	3.5	20	60	4	2	MECRN2025002200	MECRN2025002200A
2.5	0.3	3.5	10	50	4	2	MECRN2025003100	MECRN2025003100A
2.5	0.3	3.5	16	50	4	2	MECRN2025003160	MECRN2025003160A
2.5	0.3	3.5	20	60	4	2	MECRN2025003200	MECRN2025003200A
2.5	0.5	3.5	10	50	4	2	MECRN2025005100	MECRN2025005100A
2.5	0.5	3.5	16	50	4	2	MECRN2025005160	MECRN2025005160A
2.5	0.5	3.5	20	60	4	2	MECRN2025005200	MECRN2025005200A

➡ 切削條件表 Cutting Condition P.269
➡ 技術資料 Technical Data P.302

M520 極細鎢鋼圓鼻銑刀- 長頸型- 2刃

M520 ULTRA CARBIDE END MILLS- Corner Radius- Square Type- Long Neck- 2F

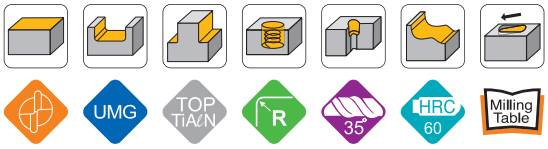
· MECRN2000000000A



刃徑 d	公差 Tolerance
Φ<3	0 ~ -0.02
3≦Φ≦10	-0.01 ~ -0.03
10<Φ	-0.01 ~ -0.04

半徑 R	公差 Tolerance
R	±0.02

超精銑 Bright Finishing	—
精銑 Finishing	○
中銑 Semi Finishing	◎
粗銑 Roughing	◎



32

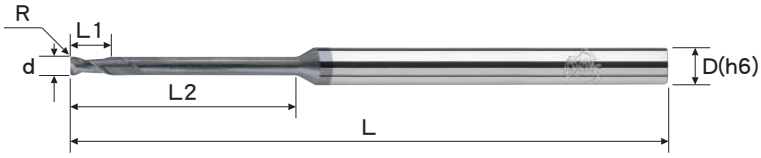
刃徑 d	R角 R	刃長 L1	有效長 L2	全長 L	柄徑 D	刃數 F	白刀訂購編號 Uncoated Order No.	鍍膜訂購編號 Coated Order No.
3.0	0.2	4.5	10	50	6	2	MECRN2030002100	MECRN2030002100A
3.0	0.2	4.5	16	50	6	2	MECRN2030002160	MECRN2030002160A
3.0	0.2	4.5	20	60	6	2	MECRN2030002200	MECRN2030002200A
3.0	0.3	4.5	10	50	6	2	MECRN2030003100	MECRN2030003100A
3.0	0.3	4.5	16	50	6	2	MECRN2030003160	MECRN2030003160A
3.0	0.3	4.5	20	60	6	2	MECRN2030003200	MECRN2030003200A
3.0	0.5	4.5	10	50	6	2	MECRN2030005100	MECRN2030005100A
3.0	0.5	4.5	16	50	6	2	MECRN2030005160	MECRN2030005160A
3.0	0.5	4.5	20	60	6	2	MECRN2030005200	MECRN2030005200A
3.0	1.0	4.5	10	50	6	2	MECRN2030010100	MECRN2030010100A
3.0	1.0	4.5	16	50	6	2	MECRN2030010160	MECRN2030010160A
3.0	1.0	4.5	20	60	6	2	MECRN2030010200	MECRN2030010200A
4.0	0.2	6.0	12	50	6	2	MECRN2040002120	MECRN2040002120A
4.0	0.2	6.0	16	50	6	2	MECRN2040002160	MECRN2040002160A
4.0	0.2	6.0	20	60	6	2	MECRN2040002200	MECRN2040002200A
4.0	0.2	6.0	25	60	6	2	MECRN2040002250	MECRN2040002250A
4.0	0.3	6.0	12	50	6	2	MECRN2040003120	MECRN2040003120A
4.0	0.3	6.0	16	50	6	2	MECRN2040003160	MECRN2040003160A
4.0	0.3	6.0	20	60	6	2	MECRN2040003200	MECRN2040003200A
4.0	0.3	6.0	25	60	6	2	MECRN2040003250	MECRN2040003250A
4.0	0.5	6.0	12	50	6	2	MECRN2040005120	MECRN2040005120A
4.0	0.5	6.0	16	50	6	2	MECRN2040005160	MECRN2040005160A
4.0	0.5	6.0	20	60	6	2	MECRN2040005200	MECRN2040005200A
4.0	0.5	6.0	25	60	6	2	MECRN2040005250	MECRN2040005250A
4.0	1.0	6.0	12	50	6	2	MECRN2040010120	MECRN2040010120A
4.0	1.0	6.0	16	50	6	2	MECRN2040010160	MECRN2040010160A
4.0	1.0	6.0	20	60	6	2	MECRN2040010200	MECRN2040010200A
4.0	1.0	6.0	25	60	6	2	MECRN2040010250	MECRN2040010250A
5.0	0.2	7.0	16	60	6	2	MECRN2050002160	MECRN2050002160A
5.0	0.2	7.0	20	60	6	2	MECRN2050002200	MECRN2050002200A
5.0	0.2	7.0	25	60	6	2	MECRN2050002250	MECRN2050002250A
5.0	0.2	7.0	30	60	6	2	MECRN2050002300	MECRN2050002300A
5.0	0.3	7.0	16	60	6	2	MECRN2050003160	MECRN2050003160A
5.0	0.3	7.0	20	60	6	2	MECRN2050003200	MECRN2050003200A
5.0	0.3	7.0	25	60	6	2	MECRN2050003250	MECRN2050003250A
5.0	0.3	7.0	30	60	6	2	MECRN2050003300	MECRN2050003300A

切削條件表 Cutting Condition P.269
技術資料 Technical Data P.302

M520 極細鎢鋼圓鼻銑刀- 長頸型- 2刃

M520 ULTRA CARBIDE END MILLS- Corner Radius- Square Type- Long Neck- 2F

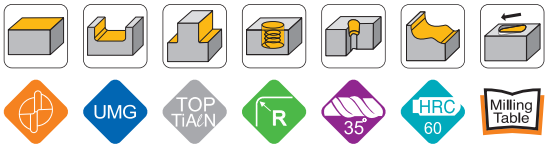
· MECRN2000000000A



刃徑 d	公差 Tolerance
Φ<3	0 ~ -0.02
3≦Φ≦10	-0.01 ~ -0.03
10<Φ	-0.01 ~ -0.04

半徑 R	公差 Tolerance
R	±0.02

超精銑 Bright Finishing	—
精銑 Finishing	○
中銑 Semi Finishing	◎
粗銑 Roughing	◎



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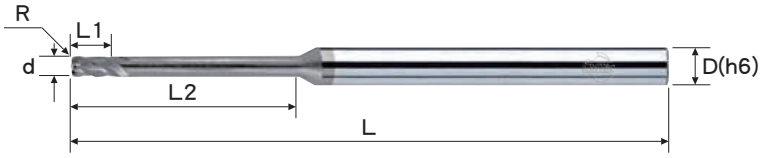
刃徑 d	R角 R	刃長 L1	有效長 L2	全長 L	柄徑 D	刃數 F	白刀訂購編號 Uncoated Order No.	鍍膜訂購編號 Coated Order No.
5.0	0.5	7.0	16	60	6	2	MECRN2050005160	MECRN2050005160A
5.0	0.5	7.0	20	60	6	2	MECRN2050005200	MECRN2050005200A
5.0	0.5	7.0	25	60	6	2	MECRN2050005250	MECRN2050005250A
5.0	0.5	7.0	30	60	6	2	MECRN2050005300	MECRN2050005300A
5.0	1.0	7.0	16	60	6	2	MECRN2050010160	MECRN2050010160A
5.0	1.0	7.0	20	60	6	2	MECRN2050010200	MECRN2050010200A
5.0	1.0	7.0	25	60	6	2	MECRN2050010250	MECRN2050010250A
5.0	1.0	7.0	30	60	6	2	MECRN2050010300	MECRN2050010300A
6.0	0.2	8.0	20	60	6	2	MECRN2060002200	MECRN2060002200A
6.0	0.2	8.0	25	60	6	2	MECRN2060002250	MECRN2060002250A
6.0	0.2	8.0	30	60	6	2	MECRN2060002300	MECRN2060002300A
6.0	0.3	8.0	20	60	6	2	MECRN2060003200	MECRN2060003200A
6.0	0.3	8.0	25	60	6	2	MECRN2060003250	MECRN2060003250A
6.0	0.3	8.0	30	60	6	2	MECRN2060003300	MECRN2060003300A
6.0	0.5	8.0	20	60	6	2	MECRN2060005200	MECRN2060005200A
6.0	0.5	8.0	25	60	6	2	MECRN2060005250	MECRN2060005250A
6.0	0.5	8.0	30	60	6	2	MECRN2060005300	MECRN2060005300A
6.0	1.0	8.0	20	60	6	2	MECRN2060010200	MECRN2060010200A
6.0	1.0	8.0	25	60	6	2	MECRN2060010250	MECRN2060010250A
6.0	1.0	8.0	30	60	6	2	MECRN2060010300	MECRN2060010300A
6.0	1.5	8.0	20	60	6	2	MECRN2060015200	MECRN2060015200A
6.0	1.5	8.0	25	60	6	2	MECRN2060015250	MECRN2060015250A
6.0	1.5	8.0	30	60	6	2	MECRN2060015300	MECRN2060015300A

切削條件表 Cutting Condition P.269
技術資料 Technical Data P.302

M520 極細鎢鋼圓鼻銑刀- 長頸型- 4刃

M520 ULTRA CARBIDE END MILLS- Corner Radius- Square Type- Long Neck- 4F

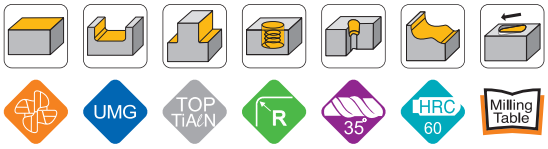
· MECRN4000000000A



刃徑 d	公差 Tolerance
Φ<3	0 ~ -0.02
3≦Φ≦10	-0.01 ~ -0.03
10<Φ	-0.01 ~ -0.04

半徑 R	公差 Tolerance
R	±0.02

超精銑 Bright Finishing	○
精銑 Finishing	◎
中銑 Semi Finishing	◎
粗銑 Roughing	○



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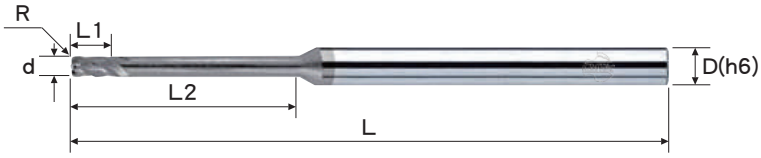
刃徑 d	R角 R	刃長 L1	有效長 L2	全長 L	柄徑 D	刃數 F	白刀訂購編號 Uncoated Order No.	鍍膜訂購編號 Coated Order No.
1.0	0.2	1.5	4	50	4	4	MECRN4010002040	MECRN4010002040A
1.0	0.2	1.5	6	50	4	4	MECRN4010002060	MECRN4010002060A
1.0	0.2	1.5	8	50	4	4	MECRN4010002080	MECRN4010002080A
1.0	0.2	1.5	10	50	4	4	MECRN4010002100	MECRN4010002100A
1.0	0.2	1.5	12	50	4	4	MECRN4010002120	MECRN4010002120A
1.5	0.2	2.3	6	50	4	4	MECRN4015002060	MECRN4015002060A
1.5	0.2	2.3	8	50	4	4	MECRN4015002080	MECRN4015002080A
1.5	0.2	2.3	10	50	4	4	MECRN4015002100	MECRN4015002100A
1.5	0.2	2.3	12	50	4	4	MECRN4015002120	MECRN4015002120A
1.5	0.2	2.3	16	50	4	4	MECRN4015002160	MECRN4015002160A
2.0	0.2	3.0	6	50	4	4	MECRN4020002060	MECRN4020002060A
2.0	0.2	3.0	8	50	4	4	MECRN4020002080	MECRN4020002080A
2.0	0.2	3.0	10	50	4	4	MECRN4020002100	MECRN4020002100A
2.0	0.2	3.0	12	50	4	4	MECRN4020002120	MECRN4020002120A
2.0	0.2	3.0	16	50	4	4	MECRN4020002160	MECRN4020002160A
2.0	0.2	3.0	20	60	4	4	MECRN4020002200	MECRN4020002200A
2.0	0.3	3.0	6	50	4	4	MECRN4020003060	MECRN4020003060A
2.0	0.3	3.0	8	50	4	4	MECRN4020003080	MECRN4020003080A
2.0	0.3	3.0	10	50	4	4	MECRN4020003100	MECRN4020003100A
2.0	0.3	3.0	12	50	4	4	MECRN4020003120	MECRN4020003120A
2.0	0.3	3.0	16	50	4	4	MECRN4020003160	MECRN4020003160A
2.0	0.3	3.0	20	60	4	4	MECRN4020003200	MECRN4020003200A
2.0	0.5	3.0	6	50	4	4	MECRN4020005060	MECRN4020005060A
2.0	0.5	3.0	8	50	4	4	MECRN4020005080	MECRN4020005080A
2.0	0.5	3.0	10	50	4	4	MECRN4020005100	MECRN4020005100A
2.0	0.5	3.0	12	50	4	4	MECRN4020005120	MECRN4020005120A
2.0	0.5	3.0	16	50	4	4	MECRN4020005160	MECRN4020005160A
2.0	0.5	3.0	20	60	4	4	MECRN4020005200	MECRN4020005200A
2.5	0.2	3.5	10	50	4	4	MECRN4025002100	MECRN4025002100A
2.5	0.2	3.5	16	50	4	4	MECRN4025002160	MECRN4025002160A
2.5	0.2	3.5	20	60	4	4	MECRN4025002200	MECRN4025002200A
2.5	0.3	3.5	10	50	4	4	MECRN4025003100	MECRN4025003100A
2.5	0.3	3.5	16	50	4	4	MECRN4025003160	MECRN4025003160A
2.5	0.3	3.5	20	60	4	4	MECRN4025003200	MECRN4025003200A
2.5	0.5	3.5	10	50	4	4	MECRN4025005100	MECRN4025005100A
2.5	0.5	3.5	16	50	4	4	MECRN4025005160	MECRN4025005160A
2.5	0.5	3.5	20	60	4	4	MECRN4025005200	MECRN4025005200A

➡ 切削條件表 Cutting Condition P.270 ➡ 技術資料 Technical Data P.302

M520 極細鎢鋼圓鼻銑刀- 長頸型- 4刃

M520 ULTRA CARBIDE END MILLS- Corner Radius- Square Type- Long Neck- 4F

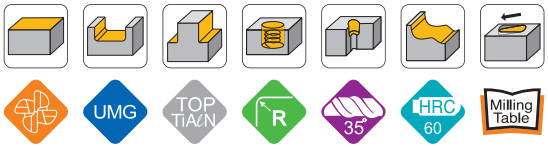
· MECRN4000000000A



刃徑 d	公差 Tolerance
Φ<3	0 ~ -0.02
3≦Φ≦10	-0.01 ~ -0.03
10<Φ	-0.01 ~ -0.04

半徑 R	公差 Tolerance
R	±0.02

超精銑 Bright Finishing	○
精銑 Finishing	◎
中銑 Semi Finishing	◎
粗銑 Roughing	○



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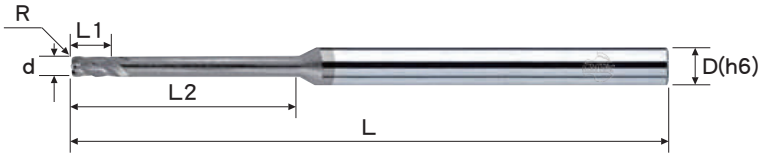
刃徑 d	R角 R	刃長 L1	有效長 L2	全長 L	柄徑 D	刃數 F	白刀訂購編號 Uncoated Order No.	鍍膜訂購編號 Coated Order No.
3.0	0.2	4.5	10	50	6	4	MECRN4030002100	MECRN4030002100A
3.0	0.2	4.5	16	50	6	4	MECRN4030002160	MECRN4030002160A
3.0	0.2	4.5	20	60	6	4	MECRN4030002200	MECRN4030002200A
3.0	0.3	4.5	10	50	6	4	MECRN4030003100	MECRN4030003100A
3.0	0.3	4.5	16	50	6	4	MECRN4030003160	MECRN4030003160A
3.0	0.3	4.5	20	60	6	4	MECRN4030003200	MECRN4030003200A
3.0	0.5	4.5	10	50	6	4	MECRN4030005100	MECRN4030005100A
3.0	0.5	4.5	16	50	6	4	MECRN4030005160	MECRN4030005160A
3.0	0.5	4.5	20	60	6	4	MECRN4030005200	MECRN4030005200A
3.0	1.0	4.5	10	50	6	4	MECRN4030010100	MECRN4030010100A
3.0	1.0	4.5	16	50	6	4	MECRN4030010160	MECRN4030010160A
3.0	1.0	4.5	20	60	6	4	MECRN4030010200	MECRN4030010200A
4.0	0.2	6.0	12	50	6	4	MECRN4040002120	MECRN4040002120A
4.0	0.2	6.0	16	50	6	4	MECRN4040002160	MECRN4040002160A
4.0	0.2	6.0	20	60	6	4	MECRN4040002200	MECRN4040002200A
4.0	0.2	6.0	25	60	6	4	MECRN4040002250	MECRN4040002250A
4.0	0.3	6.0	12	50	6	4	MECRN4040003120	MECRN4040003120A
4.0	0.3	6.0	16	50	6	4	MECRN4040003160	MECRN4040003160A
4.0	0.3	6.0	20	60	6	4	MECRN4040003200	MECRN4040003200A
4.0	0.3	6.0	25	60	6	4	MECRN4040003250	MECRN4040003250A
4.0	0.5	6.0	12	50	6	4	MECRN4040005120	MECRN4040005120A
4.0	0.5	6.0	16	50	6	4	MECRN4040005160	MECRN4040005160A
4.0	0.5	6.0	20	60	6	4	MECRN4040005200	MECRN4040005200A
4.0	0.5	6.0	25	60	6	4	MECRN4040005250	MECRN4040005250A
4.0	1.0	6.0	12	50	6	4	MECRN4040010120	MECRN4040010120A
4.0	1.0	6.0	16	50	6	4	MECRN4040010160	MECRN4040010160A
4.0	1.0	6.0	20	60	6	4	MECRN4040010200	MECRN4040010200A
4.0	1.0	6.0	25	60	6	4	MECRN4040010250	MECRN4040010250A
5.0	0.2	7.0	16	60	6	4	MECRN4050002160	MECRN4050002160A
5.0	0.2	7.0	20	60	6	4	MECRN4050002200	MECRN4050002200A
5.0	0.2	7.0	25	60	6	4	MECRN4050002250	MECRN4050002250A
5.0	0.2	7.0	30	60	6	4	MECRN4050002300	MECRN4050002300A
5.0	0.3	7.0	16	60	6	4	MECRN4050003160	MECRN4050003160A
5.0	0.3	7.0	20	60	6	4	MECRN4050003200	MECRN4050003200A
5.0	0.3	7.0	25	60	6	4	MECRN4050003250	MECRN4050003250A
5.0	0.3	7.0	30	60	6	4	MECRN4050003300	MECRN4050003300A

切削條件表 Cutting Condition P.270
技術資料 Technical Data P.302

M520 極細鎢鋼圓鼻銑刀- 長頸型- 4刃

M520 ULTRA CARBIDE END MILLS- Corner Radius- Square Type- Long Neck- 4F

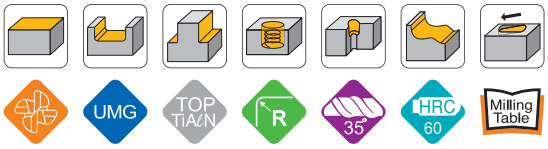
· MECRN4000000000A



刃徑 d	公差 Tolerance
Φ<3	0 ~ -0.02
3≦Φ≦10	-0.01 ~ -0.03
10<Φ	-0.01 ~ -0.04

半徑 R	公差 Tolerance
R	±0.02

超精銑 Bright Finishing	○
精銑 Finishing	◎
中銑 Semi Finishing	◎
粗銑 Roughing	○



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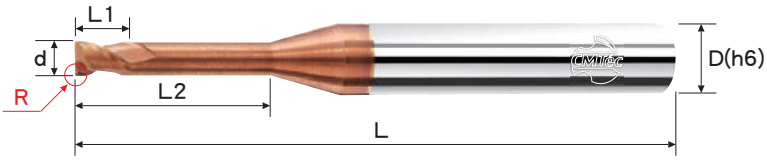
刃徑 d	R角 R	刃長 L1	有效長 L2	全長 L	柄徑 D	刃數 F	白刀訂購編號 Uncoated Order No.	鍍膜訂購編號 Coated Order No.
5.0	0.5	7.0	16	60	6	4	MECRN4050005160	MECRN4050005160A
5.0	0.5	7.0	20	60	6	4	MECRN4050005200	MECRN4050005200A
5.0	0.5	7.0	25	60	6	4	MECRN4050005250	MECRN4050005250A
5.0	0.5	7.0	30	60	6	4	MECRN4050005300	MECRN4050005300A
5.0	1.0	7.0	16	60	6	4	MECRN4050010160	MECRN4050010160A
5.0	1.0	7.0	20	60	6	4	MECRN4050010200	MECRN4050010200A
5.0	1.0	7.0	25	60	6	4	MECRN4050010250	MECRN4050010250A
5.0	1.0	7.0	30	60	6	4	MECRN4050010300	MECRN4050010300A
6.0	0.2	8.0	20	60	6	4	MECRN4060002200	MECRN4060002200A
6.0	0.2	8.0	25	60	6	4	MECRN4060002250	MECRN4060002250A
6.0	0.2	8.0	30	60	6	4	MECRN4060002300	MECRN4060002300A
6.0	0.3	8.0	20	60	6	4	MECRN4060003200	MECRN4060003200A
6.0	0.3	8.0	25	60	6	4	MECRN4060003250	MECRN4060003250A
6.0	0.3	8.0	30	60	6	4	MECRN4060003300	MECRN4060003300A
6.0	0.5	8.0	20	60	6	4	MECRN4060005200	MECRN4060005200A
6.0	0.5	8.0	25	60	6	4	MECRN4060005250	MECRN4060005250A
6.0	0.5	8.0	30	60	6	4	MECRN4060005300	MECRN4060005300A
6.0	1.0	8.0	20	60	6	4	MECRN4060010200	MECRN4060010200A
6.0	1.0	8.0	25	60	6	4	MECRN4060010250	MECRN4060010250A
6.0	1.0	8.0	30	60	6	4	MECRN4060010300	MECRN4060010300A
6.0	1.5	8.0	20	60	6	4	MECRN4060015200	MECRN4060015200A
6.0	1.5	8.0	25	60	6	4	MECRN4060015250	MECRN4060015250A
6.0	1.5	8.0	30	60	6	4	MECRN4060015300	MECRN4060015300A

切削條件表 Cutting Condition P.270
技術資料 Technical Data P.302

N620 奈米鎢鋼平銑刀- 短刃長頸型- 2刃

N620 NANO CARBIDE END MILLS-
Square Type- Short Flute- Long Neck- 2F with Corner Radii

· NESND2 0000000 A



刃徑 d	公差 Tolerance
Φ<3	0 ~ -0.015
3≦Φ≦10	0 ~ -0.03
10<Φ	0 ~ -0.03

半徑 R	公差 Tolerance
R	±0.02

超精銑 Bright Finishing	—
精銑 Finishing	○
中銑 Semi Finishing	◎
粗銑 Roughing	◎

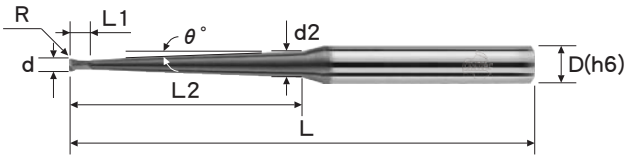
刃徑 d	刃長 L1	有效長 L2	R角 R	全長 L	柄徑 D	刃數 F	鍍膜訂單編號 Coated Order No.
0.5	1.0	2.0	0.1R	50	4	2	NESND20050020A
0.5	1.0	4.0	0.1R	50	4	2	NESND20050040A
1.0	1.5	4.0	0.1R	50	6	2	NESND20100040A
1.0	1.5	6.0	0.1R	50	6	2	NESND20100060A
1.0	1.5	8.0	0.1R	50	6	2	NESND20100080A
1.5	1.5	4.0	0.1R	50	6	2	NESND20150040A
1.5	1.5	8.0	0.1R	50	6	2	NESND20150080A
2.0	2.0	8.0	0.2R	50	6	2	NESND20200080A
2.0	2.0	10.0	0.2R	50	6	2	NESND20200100A
2.0	2.0	12.0	0.2R	50	6	2	NESND20200120A
3.0	3.0	8.0	0.2R	50	6	2	NESND20300080A
3.0	3.0	12.0	0.2R	50	6	2	NESND20300120A
3.0	3.0	16.0	0.2R	50	6	2	NESND20300160A
3.0	3.0	20.0	0.2R	50	6	2	NESND20300200A
4.0	4.0	16.0	0.3R	60	6	2	NESND20400160A
4.0	4.0	20.0	0.3R	60	6	2	NESND20400200A
4.0	4.0	26.0	0.3R	75	6	2	NESND20400260A
5.0	5.0	20.0	0.3R	75	6	2	NESND20500200A
5.0	5.0	30.0	0.3R	75	6	2	NESND20500300A
5.0	5.0	40.0	0.3R	75	6	2	NESND20500400A

➡ 切削條件表 Cutting Condition P.273
➡ 技術資料 Technical Data P.302

S220 鎢鋼圓鼻銑刀- 斜頸型- 2刃

S220 MICRO GRAIN CARBIDE END MILLS- Corner Radius- Taper Neck- 2F

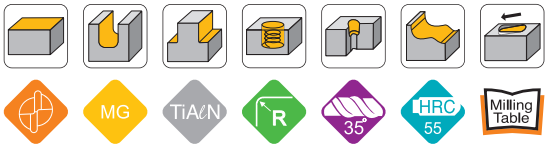
· CECNL2000000000A



刃徑 d	公差 Tolerance
Φ<3	0 ~ -0.02
3≦Φ≦10	-0.01 ~ -0.03
10<Φ	-0.01 ~ -0.04

半徑 R	公差 Tolerance
R	±0.02

超精銑 Bright Finishing	—
精銑 Finishing	○
中銑 Semi Finishing	◎
粗銑 Roughing	◎



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刃徑 d	R角 R	半夾角 θ°	刃長 L1	有效長 L2	粗端徑 d2	全長 L	柄徑 D	刃數 F	白刀訂購編號 Uncoated Order No.	鍍膜訂購編號 Coated Order No.
2.0	0.2R	1.5°	3.0	25	3.15	75	6	2	CECNL2020002250	CECNL2020002250A
2.0	0.2R	1.5°	3.0	40	3.91	75	6	2	CECNL2020002400	CECNL2020002400A
2.0	0.5R	1.5°	3.0	25	3.15	75	6	2	CECNL2020005250	CECNL2020005250A
2.0	0.5R	1.5°	3.0	40	3.91	75	6	2	CECNL2020005400	CECNL2020005400A
2.0	0.5R	1.5°	3.0	50	4.46	100	6	2	CECNL2020005500	CECNL2020005500A
2.5	0.2R	1.5°	3.5	25	3.63	75	6	2	CECNL2025002250	CECNL2025002250A
2.5	0.2R	1.5°	3.5	40	4.41	75	6	2	CECNL2025002400	CECNL2025002400A
2.5	0.5R	1.5°	3.5	25	3.63	75	6	2	CECNL2025005250	CECNL2025005250A
2.5	0.5R	1.5°	3.5	40	4.41	75	6	2	CECNL2025005400	CECNL2025005400A
2.5	0.5R	1.5°	3.5	50	5.12	100	6	2	CECNL2025005500	CECNL2025005500A
3.0	0.5R	1.5°	4.5	25	4.07	75	6	2	CECNL2030005250	CECNL2030005250A
3.0	1.0R	1.5°	4.5	25	4.07	75	6	2	CECNL2030010250	CECNL2030010250A
3.0	1.0R	1.5°	4.5	40	4.86	75	6	2	CECNL2030010400	CECNL2030010400A
3.0	1.0R	1.5°	4.5	50	5.38	100	6	2	CECNL2030010500	CECNL2030010500A
4.0	0.5R	1.5°	6.0	25	5.00	100	8	2	CECNL2040005250	CECNL2040005250A
4.0	0.5R	1.5°	6.0	50	6.30	100	8	2	CECNL2040005500	CECNL2040005500A
4.0	1.0R	1.5°	6.0	25	5.00	100	8	2	CECNL2040010250	CECNL2040010250A
4.0	1.0R	1.5°	6.0	50	6.30	100	8	2	CECNL2040010500	CECNL2040010500A
5.0	1.0R	1.5°	7.0	35	6.47	100	10	2	CECNL2050010350	CECNL2050010350A
5.0	1.0R	1.5°	7.0	50	7.25	100	10	2	CECNL2050010500	CECNL2050010500A
6.0	1.0R	1.5°	8.0	35	7.41	100	10	2	CECNL2060010350	CECNL2060010350A
6.0	1.0R	1.5°	8.0	50	8.20	100	10	2	CECNL2060010500	CECNL2060010500A

切削條件表 Cutting Condition P.253
技術資料 Technical Data P.302