N620

奈米鎢鋼銑刀(高速高硬系列)

Nano Carbide End Mills

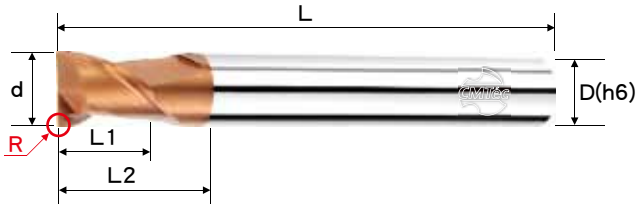
(Ultra Hard Series)

N620 奈米鎢鋼平銑刀- 短刃型- 2刃

N620 NANO CARBIDE END MILLS- Square Type- Short Flute- 2F with corner radii

· NESDM2 0000 A

· NESD2 0000 A



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

R(半徑)	Tolerance(公差)
R	±0.02

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

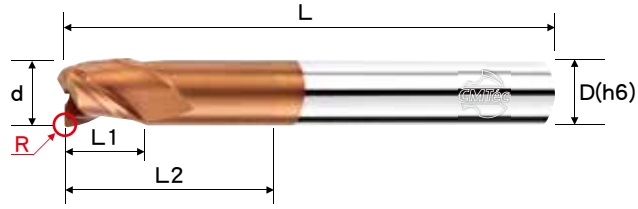
NMG TOP TiSiN R 35° HRC 63 Milling Table 34

刃徑 d	刃長 L1	有效長 L2	R角 R	全長 L	柄徑 D	刃數 F	鍍膜訂購編號 Coated Order No.
1.0	1.0	2.0	0.1R	50	4	2	NESDM20100A
2.0	2.0	4.0	0.1R	50	4	2	NESDM20200A
3.0	3.0	6.0	0.1R	50	4	2	NESDM20300A
4.0	4.0	8.0	0.2R	50	4	2	NESDM20400A
6.0	6.0	12.0	0.2R	50	6	2	NESD20600A
8.0	8.0	16.0	0.3R	60	8	2	NESD20800A
10.0	10.0	20.0	0.3R	75	10	2	NESD21000A
12.0	12.0	24.0	0.3R	75	12	2	NESD21200A

N620 奈米鎢鋼平銑刀- 短刃型- 3刃

N620 NANO CARBIDE END MILLS- Square Type- Short Flute- 3F with corner radii

· NESD3 0000 A



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

R(半徑)	Tolerance(公差)
R	±0.02

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

NMG TOP TiSiN R 35° HRC 63 Milling Table 35

刃徑 d	刃長 L1	有效長 L2	R角 R	全長 L	柄徑 D	刃數 F	鍍膜訂購編號 Coated Order No.
3.0	3.0	9.0	0.1R	50	6	3	NESD30300A
4.0	4.0	12.0	0.2R	50	6	3	NESD30400A
6.0	6.0	18.0	0.2R	50	6	3	NESD30600A
8.0	8.0	24.0	0.3R	60	8	3	NESD30800A
10.0	10.0	30.0	0.3R	75	10	3	NESD31000A
12.0	12.0	36.0	0.3R	75	12	3	NESD31200A

切削條件表 Cutting Condition P.282,283
參考資料 Technical Data P.243

N620 奈米鎢鋼平銑刀- 短刃型- 4刃

N620 NANO CARBIDE END MILLS- Square Type- Short Flute- 4F with corner radii

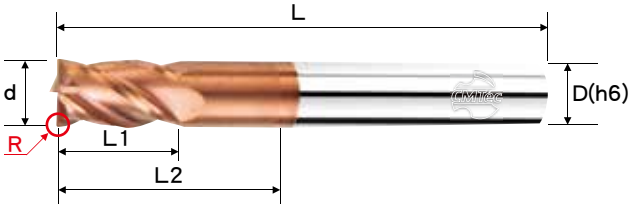
· NESDM4 0000 A

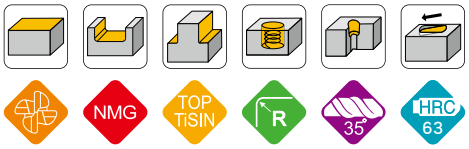
· NESD4 0000 A

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

R(半徑)	Tolerance(公差)
R	±0.02

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





36

刃徑 d	刃長 L1	有效長 L2	R角 R	全長 L	柄徑 D	刃數 F	鍍膜訂購編號 Coated Order No.
1.0	1.0	2.0	0.1R	50	4	4	NESDM40100A
1.5	1.5	3.0	0.1R	50	4	4	NESDM40150A
2.0	2.0	4.0	0.1R	50	4	4	NESDM40200A
2.5	2.5	5.0	0.1R	50	4	4	NESDM40250A
3.0	4.0	8.0	0.1R	50	6	4	NESD40300A
4.0	5.0	10.0	0.2R	50	6	4	NESD40400A
5.0	7.0	14.0	0.2R	50	6	4	NESD40500A
6.0	8.0	16.0	0.2R	50	6	4	NESD40600A
8.0	12.0	24.0	0.3R	60	8	4	NESD40800A
10.0	16.0	32.0	0.3R	75	10	4	NESD41000A
12.0	18.0	36.0	0.3R	75	12	4	NESD41200A

N620 奈米鎢鋼平銑刀- 高導短刃型- 6刃

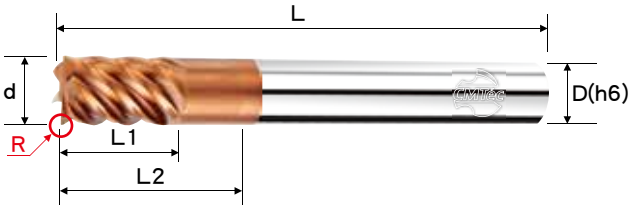
N620 NANO CARBIDE END MILLS- Square Type- High Helix- Short Flute- 6F with corner radii

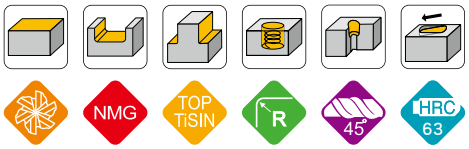
· NEHD6 0000 A

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

R(半徑)	Tolerance(公差)
R	±0.02

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





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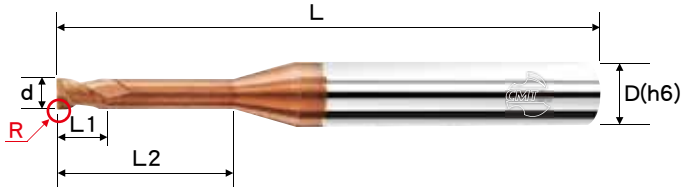
刃徑 d	刃長 L1	有效長 L2	R角 R	全長 L	柄徑 D	刃數 F	鍍膜訂購編號 Coated Order No.
6.0	9.0	15.0	0.2R	50	6	6	NEHD60600A
8.0	12.0	20.0	0.3R	60	8	6	NEHD60800A
10.0	15.0	25.0	0.3R	75	10	6	NEHD61000A
12.0	18.0	30.0	0.3R	75	12	6	NEHD61200A
16.0	24.0	40.0	0.5R	100	16	6	NEHD61600A
20.0	30.0	50.0	0.5R	100	20	6	NEHD62000A

➡ 切削條件表 Cutting Condition P.283,284
➡ 參考資料 Technical Data P.243

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

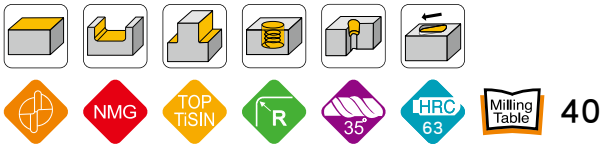
· NESND2 0000000 A



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

R(半徑)	Tolerance(公差)
R	±0.02

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



40

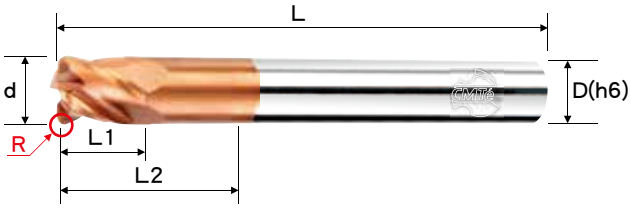
刃徑 d	刃長 L1	有效長 L2	R角 R	全長 L	柄徑 D	刃數 F	鍍膜訂單編號 Coated Order No.
0.5	1.0	2.0	0.1R	50	4	2	NESND20050020A
0.5	1.0	4.0	0.1R	50	4	2	NESND20050040A
1.0	1.5	4.0	0.1R	50	6	2	NESND20100040A
1.0	1.5	6.0	0.1R	50	6	2	NESND20100060A
1.0	1.5	8.0	0.1R	50	6	2	NESND20100080A
1.5	1.5	4.0	0.1R	50	6	2	NESND20150040A
1.5	1.5	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.285
➡ 參考資料 Technical Data P.243

N620 奈米鎢鋼圓鼻銑刀- 短刃型- 4刃

N620 NANO CARBIDE END MILLS- Corner Radius- Short Flute- 4F

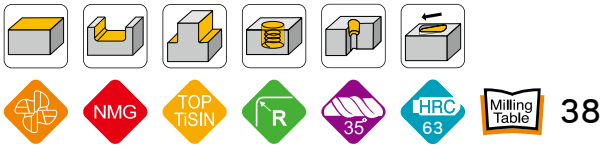
· NECDM4000000A
· NECD4000000A



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

R(半徑)	Tolerance(公差)
R	±0.02

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



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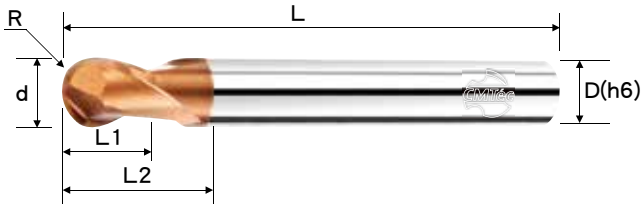
刃徑 d	R角 R	有效長 L2	刃長 L1	全長 L	柄徑 D	刃數 F	鍍膜訂購編號 Coated Order No.
1.0	0.2R	2.5	1.0	50	4	4	NECDM4010002A
1.5	0.15R	3.5	1.5	50	4	4	NECDM40150015A
1.5	0.3R	3.5	1.5	50	4	4	NECDM4015003A
2.0	0.25R	6.5	2.0	50	4	4	NECDM40200025A
2.5	0.25R	7.5	2.5	50	4	4	NECDM40250025A
2.5	0.5R	7.5	2.5	50	4	4	NECDM4025005A
3.0	0.25R	7.5	3.0	50	6	4	NECD40300025A
3.0	0.5R	7.5	3.0	50	6	4	NECD4030005A
4.0	0.25R	10.0	4.0	50	6	4	NECD40400025A
4.0	0.5R	10.0	4.0	50	6	4	NECD4040005A
5.0	0.25R	12.5	5.0	50	6	4	NECD40500025A
5.0	0.5R	12.5	5.0	50	6	4	NECD4050005A
6.0	0.5R	15.0	6.0	50	6	4	NECD4060005A
6.0	1.0R	15.0	6.0	50	6	4	NECD4060010A
8.0	0.5R	20.0	8.0	60	8	4	NECD4080005A
8.0	1.0R	20.0	8.0	60	8	4	NECD4080010A
8.0	1.5R	20.0	8.0	60	8	4	NECD4080015A
10.0	0.5R	25.0	10.0	75	10	4	NECD4100005A
10.0	1.0R	25.0	10.0	75	10	4	NECD4100010A
10.0	1.5R	25.0	10.0	75	10	4	NECD4100015A
10.0	2.0R	25.0	10.0	75	10	4	NECD4100020A
12.0	0.5R	30.0	12.0	75	12	4	NECD4120005A
12.0	1.0R	30.0	12.0	75	12	4	NECD4120010A
12.0	1.5R	30.0	12.0	75	12	4	NECD4120015A
12.0	2.0R	30.0	12.0	75	12	4	NECD4120020A

切削條件表 Cutting Condition P.284
參考資料 Technical Data P.243

N620 奈米鎢鋼球型銑刀- 短刃型- 2刃

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

· NEBDM2 0000 A
· NEBD2 0000 A



R(半徑)	Tolerance(公差)
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 39

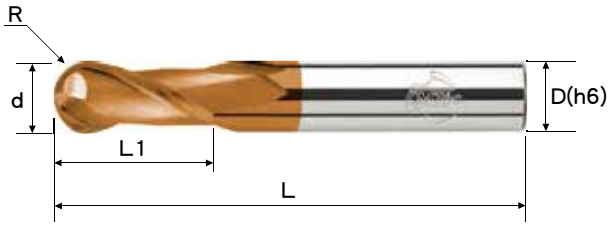
半徑 R	刃徑 d	刃長 L1	有效長 L2	全長 L	柄徑 D	刃數 F	鍍膜訂單編號 Coated Order No.
0.15R	0.3	0.3	0.6	50	4	2	NEBDM20015A
0.2R	0.4	0.4	0.8	50	4	2	NEBDM20020A
0.25R	0.5	0.5	1.0	50	4	2	NEBDM20025A
0.3R	0.6	0.6	1.2	50	4	2	NEBDM20030A
0.4R	0.8	0.8	1.6	50	4	2	NEBDM20040A
0.5R	1.0	1.0	2.0	50	4	2	NEBDM20050A
1.0R	2.0	2.0	4.0	50	4	2	NEBDM20100A
1.5R	3.0	3.0	6.0	50	4	2	NEBDM20150A
1.0R	2.0	2.0	4.0	50	6	2	NEBD20100A
1.5R	3.0	3.0	6.0	50	6	2	NEBD20150A
2.0R	4.0	4.0	8.0	50	6	2	NEBD20200A
2.5R	5.0	5.0	10.0	50	6	2	NEBD20250A
3.0R	6.0	6.0	12.0	50	6	2	NEBD20300A
4.0R	8.0	8.0	16.0	60	8	2	NEBD20400A
5.0R	10.0	10.0	20.0	75	10	2	NEBD20500A
6.0R	12.0	12.0	24.0	75	12	2	NEBD20600A

➡ 切削條件表 Cutting Condition P.285
➡ 參考資料 Technical Data P.243

N620 奈米鎢鋼球型銑刀- 標準型- 2刃

N620 NANO CARBIDE END MILLS- Ball Nosed- Square Type- 2F

· NEB2 0000 A



R(半徑)	Tolerance(公差)
R	±0.01

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

NMG TOP TiSiN 30° HRC 63 Milling Table 39

NEW

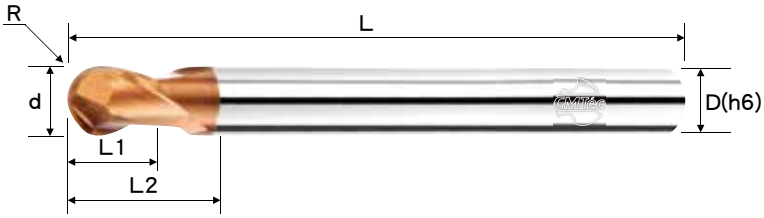
半徑 R	刃徑 d	刃長 L1	全長 L	柄徑 D	刃數 F	鍍膜訂單編號 Coated Order No.
1.0R	2.0	4.0	50	6	2	NEB20100A
1.5R	3.0	6.0	50	6	2	NEB20150A
2.0R	4.0	8.0	50	6	2	NEB20200A
3.0R	6.0	12.0	50	6	2	NEB20300A
4.0R	8.0	16.0	60	8	2	NEB20400A
5.0R	10.0	20.0	75	10	2	NEB20500A
6.0R	12.0	24.0	75	12	2	NEB20600A

切削條件表 Cutting Condition P.285
參考資料 Technical Data P.243

N620 奈米鎢鋼球型銑刀- 短刃長柄型- 2刃

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

· NEBDML2 0000 A
· NEBDL2 0000 A



R(半徑)	Tolerance(公差)
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 39

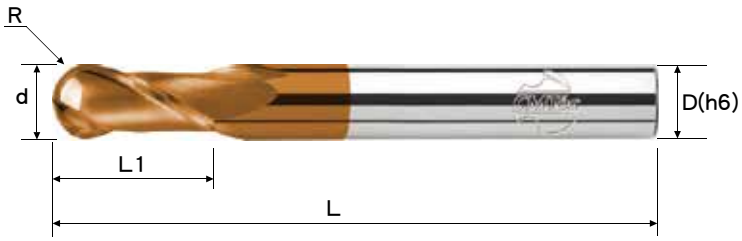
半徑 R	刃徑 d	刃長 L1	有效長 L2	全長 L	柄徑 D	刃數 F	鍍膜訂單編號 Coated Order No.
0.5R	1.0	1.0	2.0	75	4	2	NEBDML20050A
1.0R	2.0	2.0	4.0	75	4	2	NEBDML20100A
1.5R	3.0	3.0	6.0	75	4	2	NEBDML20150A
1.0R	2.0	2.0	4.0	75	6	2	NEBDL20100A
1.5R	3.0	3.0	6.0	75	6	2	NEBDL20150A
2.0R	4.0	4.0	8.0	75	6	2	NEBDL20200A
2.5R	5.0	5.0	10.0	75	6	2	NEBDL20250A
3.0R	6.0	6.0	12.0	75	6	2	NEBDL20300A
4.0R	8.0	8.0	16.0	100	8	2	NEBDL20400A
5.0R	10.0	10.0	20.0	100	10	2	NEBDL20500A
6.0R	12.0	12.0	24.0	100	12	2	NEBDL20600A

➡ 切削條件表 Cutting Condition P.285
➡ 參考資料 Technical Data P.243

N620 奈米鎢鋼球型銑刀- 標準/長柄型- 2刃

N620 NANO CARBIDE END MILLS- Ball Nosed- Square Type & Long Shank- 2F

· NEBL2 0000 A



R(半徑)	Tolerance(公差)
R	±0.01

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

NMG TOP TiSiN 30° HRC 63 Milling Table 39

NEW

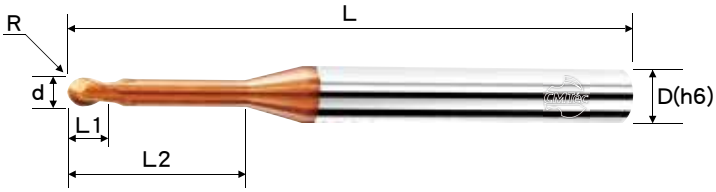
半徑 R	刃徑 d	刃長 L1	全長 L	柄徑 D	刃數 F	鍍膜訂單編號 Coated Order No.
1.0R	2.0	4.0	75	6	2	NEBL20100A
1.5R	3.0	6.0	75	6	2	NEBL20150A
2.0R	4.0	8.0	75	6	2	NEBL20200A
3.0R	6.0	12.0	75	6	2	NEBL20300A
4.0R	8.0	16.0	100	8	2	NEBL20400A
5.0R	10.0	20.0	100	10	2	NEBL20500A
6.0R	12.0	24.0	100	12	2	NEBL20600A

切削條件表 Cutting Condition P.285
參考資料 Technical Data P.243

N620 奈米鎢鋼球型銑刀- 短刃長頸型- 2刃

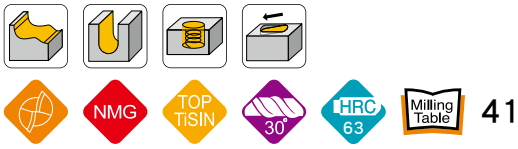
N620 NANO CARBIDE END MILLS- Ball Nosed- Short Flute- Long Neck- 2F

· NEBND2 0000000 A



R(半徑)	Tolerance(公差)
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.286
參考資料 Technical Data P.243