

微小径平底铣刀

Micro diameter end mill

NNC-2TS

Coating
TiAN

0.4
 μm

30°
helix

2

HRC
 ≤ 45



型号 No.	刃径 D	刃长 Lc	全长 L	柄径 d	刃数 F
NNC-2TS-D0.1	0.1	0.1	50	4	2
NNC-2TS-D0.2	0.2	0.2	50	4	2
NNC-2TS-D0.3	0.3	0.3	50	4	2
NNC-2TS-D0.4	0.4	0.4	50	4	2
NNC-2TS-D0.5	0.5	0.5	50	4	2
NNC-2TS-D0.6	0.6	0.6	50	4	2
NNC-2TS-D0.7	0.7	0.7	50	4	2
NNC-2TS-D0.8	0.8	0.8	50	4	2
NNC-2TS-D0.9	0.9	0.9	50	4	2

平刀 End Mill

微小径平刀
Micro diameter end mill

微小径深沟平刀
Micro diameter Deep Groove End Mill

深沟平刀
Deep groove end mill

2刃平刀
2F End Mill

4刃平刀
4F End Mill

4刃粗皮铣刀
4F Rough Milling Cutter

平底精铣刀
6F End Mill

球刀 Ball End Mill

微小径球刀
Micro diameter Ball End Mill

微小径深沟球刀
Micro diameter Deep groove ball end mill

深沟球刀
Deep groove Ball end mill

2刃球刀
2F Ball End Mill

2刃球刀
2F Ball End Mill

圆鼻刀 Round nose end mill

深沟圆鼻刀
Deep groove round nose end mill

2刃圆鼻刀
2F Round nose end mill

4刃圆鼻刀
4F Round nose end mill

高效开粗铣刀
Efficient rough milling cutter

被加工材料适用表 Applicable Table of Processed Materials

● 非常适合 Perfect ○ 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
●	●	●	○	○	●			●

微小径深沟平底铣刀

Micro diameter Deep groove end mill

NNC-2TSP

Coating
TiAN

0.4
 μm

30°
helix

2

HRC
≤45



平刀 End Mill	型号 No.	刃径 D	刃长 Lc	有效长 L1	全长 L	柄径 d	刃数 F
微小径平刀 Micro diameter end mill	NNC-2TSP-D0.2-L1	0.2	0.2	1	50	4	2
微小径深沟平刀 Micro diameter Deep Groove End Mill	NNC-2TSP-D0.2-L2	0.2	0.2	2	50	4	2
深沟平刀 Deep groove end mill	NNC-2TSP-D0.2-L3	0.2	0.2	3	50	4	2
2刃平刀 2F End Mill	NNC-2TSP-D0.3-L1	0.3	0.3	1	50	4	2
4刃平刀 4F End Mill	NNC-2TSP-D0.3-L2	0.3	0.3	2	50	4	2
4刃粗皮铣刀 4F Rough Milling Cutter	NNC-2TSP-D0.3-L3	0.3	0.3	3	50	4	2
平底精铣刀 6F End Mill	NNC-2TSP-D0.3-L4	0.3	0.3	4	50	4	2
	NNC-2TSP-D0.4-L2	0.4	0.4	2	50	4	2
	NNC-2TSP-D0.4-L3	0.4	0.4	3	50	4	2
球刀 Ball End Mill	NNC-2TSP-D0.4-L4	0.4	0.4	4	50	4	2
微小径球刀 Micro Diameter Ball End Mill	NNC-2TSP-D0.4-L6	0.4	0.4	6	50	4	2
微小径深沟球刀 Micro Diameter Deep Groove Ball End Mill	NNC-2TSP-D0.5-L2	0.5	0.5	2	50	4	2
深沟球刀 Deep groove Ball end mill	NNC-2TSP-D0.5-L3	0.5	0.5	3	50	4	2
2刃球刀 2F Ball End Mill	NNC-2TSP-D0.5-L4	0.5	0.5	4	50	4	2
	NNC-2TSP-D0.5-L5	0.5	0.5	5	50	4	2
	NNC-2TSP-D0.5-L6	0.5	0.5	6	50	4	2
圆鼻刀 Round nose end mill	NNC-2TSP-D0.6-L2	0.6	0.6	2	50	4	2
	NNC-2TSP-D0.6-L3	0.6	0.6	3	50	4	2
深沟圆鼻刀 Deep groove round nose end mill	NNC-2TSP-D0.6-L4	0.6	0.6	4	50	4	2
2刃圆鼻刀 2F Round nose end mill	NNC-2TSP-D0.6-L6	0.6	0.6	6	50	4	2
4刃圆鼻刀 4F Round nose end mill	NNC-2TSP-D0.6-L8	0.6	0.6	8	50	4	2
高效开粗铣刀 Efficient rough milling cutter	NNC-2TSP-D0.7-L2	0.7	0.7	2	50	4	2
	NNC-2TSP-D0.7-L4	0.7	0.7	4	50	4	2
	NNC-2TSP-D0.7-L6	0.7	0.7	6	50	4	2
	NNC-2TSP-D0.8-L2	0.8	0.8	2	50	4	2
	NNC-2TSP-D0.8-L3	0.8	0.8	3	50	4	2
	NNC-2TSP-D0.8-L4	0.8	0.8	4	50	4	2
	NNC-2TSP-D0.8-L6	0.8	0.8	6	50	4	2
	NNC-2TSP-D0.8-L8	0.8	0.8	8	50	4	2
	NNC-2TSP-D0.8-L10	0.8	0.8	10	50	4	2

被加工材料适用表 Applicable Table of Processed Materials

● 非常适合 Perfect ○ 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/DFAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
●	●	●	○	○	●			●

深沟平底铣刀

Deep groove end mill

NNC-4TSP



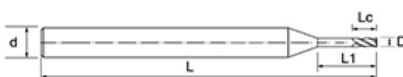
Coating
TiAN

0.4
μm

30°
helix

4

HRC
≤45



型号 No.	刃径 D	刃长 Lc	有效长 L1	全长 L	柄径 d	刃数 F
NNC-4TSP-D1-L4	1	1	4	50	4	4
NNC-4TSP-D1-L6	1	1	6	50	4	4
NNC-4TSP-D1-L8	1	1	8	50	4	4
NNC-4TSP-D1-L10	1	1	10	50	4	4
NNC-4TSP-D1-L12	1	1	12	50	4	4
NNC-4TSP-D1-L16	1	1	16	50	4	4
NNC-4TSP-D1-L20	1	1	20	50	4	4
NNC-4TSP-D1.5-L6	1.5	1.5	6	50	4	4
NNC-4TSP-D1.5-L8	1.5	1.5	8	50	4	4
NNC-4TSP-D1.5-L10	1.5	1.5	10	50	4	4
NNC-4TSP-D1.5-L12	1.5	1.5	12	50	4	4
NNC-4TSP-D1.5-L14	1.5	1.5	14	50	4	4
NNC-4TSP-D1.5-L16	1.5	1.5	16	50	4	4
NNC-4TSP-D1.5-L18	1.5	1.5	18	50	4	4
NNC-4TSP-D1.5-L20	1.5	1.5	20	50	4	4
NNC-4TSP-D2-L8	2	2	8	50	4	4
NNC-4TSP-D2-L10	2	2	10	50	4	4
NNC-4TSP-D2-L12	2	2	12	50	4	4
NNC-4TSP-D2-L14	2	2	14	50	4	4
NNC-4TSP-D2-L16	2	2	16	50	4	4
NNC-4TSP-D2-L18	2	2	18	50	4	4
NNC-4TSP-D2-L20	2	2	20	50	4	4
NNC-4TSP-D2.5-L10	2.5	2.5	10	50	4	4
NNC-4TSP-D2.5-L12	2.5	2.5	12	50	4	4
NNC-4TSP-D2.5-L16	2.5	2.5	16	50	4	4
NNC-4TSP-D3-L10	3	3	10	50	4	4
NNC-4TSP-D3-L12	3	3	12	50	4	4
NNC-4TSP-D3-L16	3	3	16	50	4	4
NNC-4TSP-D3-L20	3	3	20	60	6	4
NNC-4TSP-D3-L25	3	3	25	75	6	4
NNC-4TSP-D3-L30	3	3	30	75	6	4
NNC-4TSP-D4-L15	4	4	15	50	6	4
NNC-4TSP-D4-L20	4	4	20	60	6	4
NNC-4TSP-D4-L25	4	4	25	75	6	4
NNC-4TSP-D4-L30	4	4	30	75	6	4
NNC-4TSP-D4-L35	4	4	35	75	6	4

平刀 End Mill

微小径平刀
Micro diameter end mill
微小径深沟平刀
Micro Diameter Deep Groove End Mill
深沟平刀
Deep groove end mill
2刃平刀
2F End Mill
4刃平刀
4F End Mill
4刃粗皮铣刀
4F Rough Milling Cutter
平底精铣刀
6F End Mill

球刀 Ball End Mill

微小径球刀
Micro Diameter Ball End Mill
微小径深沟球刀
Micro Diameter Deep Groove Ball End Mill
深沟球刀
Deep groove Ball end mill
2刃球刀
2F Ball End Mill

圆鼻刀 Round nose end mill

深沟圆鼻刀
Deep groove round nose end mill
2刃圆鼻刀
2F Round nose end mill
4刃圆鼻刀
4F Round nose end mill
高效开粗铣刀
Efficient rough milling cutter

被加工材料适用表 Applicable Table of Processed Materials

● 非常适合 Perfect ○ 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C/11000
●	●	●	○	○	●			●

微小径球头铣刀

Micro Diameter Ball End Mill

NNC-2BS

Coating
TiAN

0.4
 μm

30°
helix

2

HRC
 ≤ 45



型号 No.	刃径 D	R角 R	刃长 Lc	全长 L	柄径 d	刃数 F
NNC-2BS-D0.1	0.1	0.05	0.1	50	4	2
NNC-2BS-D0.2	0.2	0.1	0.2	50	4	2
NNC-2BS-D0.3	0.3	0.15	0.3	50	4	2
NNC-2BS-D0.4	0.4	0.2	0.4	50	4	2
NNC-2BS-D0.5	0.5	0.25	0.5	50	4	2
NNC-2BS-D0.6	0.6	0.3	0.6	50	4	2
NNC-2BS-D0.7	0.7	0.35	0.7	50	4	2
NNC-2BS-D0.8	0.8	0.4	0.8	50	4	2
NNC-2BS-D0.9	0.9	0.45	0.9	50	4	2

平刀 End Mill

微小径平刀
Micro diameter end mill
微小径深沟平刀
Micro Diameter Deep Groove End Mill
深沟平刀
Deep groove end mill
2刃平刀
2F End Mill
4刃平刀
4F End Mill
4刃粗皮铣刀
4F Rough Milling Cutter
平底精铣刀
6F End Mill

球刀 Ball End Mill

微小径球刀
Micro Diameter Ball End Mill
微小径深沟球刀
Micro Diameter Deep Groove Ball End Mill
深沟球刀
Deep groove Ball end mill
2刃球刀
2F Ball End Mill

圆鼻刀 Round nose end mill

深沟圆鼻刀
Deep groove round nose end mill
2刃圆鼻刀
2F Round nose end mill
4刃圆鼻刀
4F Round nose end mill
高效开粗铣刀
Efficient rough milling cutter

被加工材料适用表 Applicable Table of Processed Materials

● 非常适合 Perfect ○ 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
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●	●	●	○	○	●			●

微小径深沟球头铣刀

Micro Diameter Deep groove ball end mill

NNC-2BSP

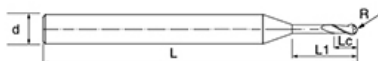
Coating
TiAN

0.4
 μm

30°
helix

2

HRC
 ≤ 45



平刀 End Mill

型号	刃径	R角	刃长	有效长	全长	柄径	刃数
No.	D	R	Lc	L1	L	d	F
NNC-2BSP-D0.2-L1	0.2	0.1	0.2	1	50	4	2
NNC-2BSP-D0.2-L2	0.2	0.1	0.2	2	50	4	2
NNC-2BSP-D0.2-L3	0.2	0.1	0.2	3	50	4	2
NNC-2BSP-D0.3-L1	0.3	0.15	0.3	1	50	4	2
NNC-2BSP-D0.3-L2	0.3	0.15	0.3	2	50	4	2
NNC-2BSP-D0.3-L3	0.3	0.15	0.3	3	50	4	2
NNC-2BSP-D0.4-L1	0.4	0.2	0.4	1	50	4	2
NNC-2BSP-D0.4-L2	0.4	0.2	0.4	2	50	4	2
NNC-2BSP-D0.4-L3	0.4	0.2	0.4	3	50	4	2
NNC-2BSP-D0.4-L4	0.4	0.2	0.4	4	50	4	2

球刀 Ball End Mill

微小径球刀 Micro Diameter Ball End Mill	NNC-2BSP-D0.5-L2	0.5	0.25	0.5	2	50	4	2
微小径深沟球刀 Micro Diameter Deep Groove Ball End Mill	NNC-2BSP-D0.5-L3	0.5	0.25	0.5	3	50	4	2
深沟球刀 Deep groove Ball end mill	NNC-2BSP-D0.5-L4	0.5	0.25	0.5	4	50	4	2
2刃球刀 2F Ball End Mill	NNC-2BSP-D0.5-L6	0.5	0.25	0.5	6	50	4	2
	NNC-2BSP-D0.6-L2	0.6	0.3	0.6	2	50	4	2
	NNC-2BSP-D0.6-L3	0.6	0.3	0.6	3	50	4	2
	NNC-2BSP-D0.6-L4	0.6	0.3	0.6	4	50	4	2
	NNC-2BSP-D0.6-L6	0.6	0.3	0.6	6	50	4	2
	NNC-2BSP-D0.6-L8	0.6	0.3	0.6	8	50	4	2
	NNC-2BSP-D0.8-L4	0.8	0.4	0.8	4	50	4	2
	NNC-2BSP-D0.8-L6	0.8	0.4	0.8	6	50	4	2
	NNC-2BSP-D0.8-L8	0.8	0.4	0.8	8	50	4	2
	NNC-2BSP-D0.8-L10	0.8	0.4	0.8	10	50	4	2

圆鼻刀 Round nose end mill

深沟圆鼻刀 Deep groove round nose end mill	NNC-2BSP-D0.8-L4	0.8	0.4	0.8	4	50	4	2
2刃圆鼻刀 2F Round nose end mill	NNC-2BSP-D0.8-L6	0.8	0.4	0.8	6	50	4	2
4刃圆鼻刀 4F Round nose end mill	NNC-2BSP-D0.8-L8	0.8	0.4	0.8	8	50	4	2
高效开粗铣刀 Efficient rough milling cutter	NNC-2BSP-D0.8-L10	0.8	0.4	0.8	10	50	4	2

被加工材料适用表 Applicable Table of Processed Materials

● 非常合适 Perfect ○ 合适 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
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●	●	●	○	○	●			●

深沟球头立铣刀

Deep groove ball end mill

NNC-2BSP

Coating
TiAN

0.4
 μm

30°
helix

2

HRC
 ≤ 45



型号 No.	刃径 D	R角 R	刃长 Lc	有效长 L1	全长 L	柄径 d	刃数 F
NNC-2BSP- D1-L3	1	0.5	1	3	50	4	2
NNC-2BSP- D1-L4	1	0.5	1	4	50	4	2
NNC-2BSP- D1-L6	1	0.5	1	6	50	4	2
NNC-2BSP- D1-L8	1	0.5	1	8	50	4	2
NNC-2BSP- D1-L10	1	0.5	1	10	50	4	2
NNC-2BSP- D1-L12	1	0.5	1	12	50	4	2
NNC-2BSP- D1-L16	1	0.5	1	16	50	4	2
NNC-2BSP- D1.5-L6	1.5	0.75	1.5	6	50	4	2
NNC-2BSP- D1.5-L8	1.5	0.75	1.5	8	50	4	2
NNC-2BSP- D1.5-L10	1.5	0.75	1.5	10	50	4	2
NNC-2BSP- D1.5-L12	1.5	0.75	1.5	12	50	4	2
NNC-2BSP- D1.5-L14	1.5	0.75	1.5	14	50	4	2
NNC-2BSP- D1.5-L16	1.5	0.75	1.5	16	50	4	2
NNC-2BSP- D1.5-L18	1.5	0.75	1.5	18	50	4	2
NNC-2BSP- D1.5-L20	1.5	0.75	1.5	20	50	4	2
NNC-2BSP- D2-L8	2	1	2	8	50	4	2
NNC-2BSP- D2-L10	2	1	2	10	50	4	2
NNC-2BSP- D2-L12	2	1	2	12	50	4	2
NNC-2BSP- D2-L14	2	1	2	14	50	4	2
NNC-2BSP- D2-L16	2	1	2	16	50	4	2
NNC-2BSP- D2-L18	2	1	2	18	50	4	2
NNC-2BSP- D2-L20	2	1	2	20	50	4	2
NNC-2BSP- D3-L8	3	1.5	3	8	50	4	2
NNC-2BSP- D3-L10	3	1.5	3	10	50	4	2
NNC-2BSP- D3-L12	3	1.5	3	12	50	4	2
NNC-2BSP- D3-L16	3	1.5	3	16	50	4	2
NNC-2BSP- D3-L20	3	1.5	3	20	60	6	2
NNC-2BSP- D3-L20	3	1.5	3	20	75	6	2
NNC-2BSP- D3-L26	3	1.5	3	26	60	6	2
NNC-2BSP- D3-L26	3	1.5	3	26	75	6	2
NNC-2BSP- D3-L30	3	1.5	3	30	60	6	2
NNC-2BSP- D3-L30	3	1.5	3	30	75	6	2
NNC-2BSP- D4-L16	4	2	4	16	60	6	2
NNC-2BSP- D4-L16	4	2	4	16	75	6	2
NNC-2BSP- D4-L20	4	2	4	20	60	6	2
NNC-2BSP- D4-L20	4	2	4	20	75	6	2
NNC-2BSP- D4-L26	4	2	4	26	60	6	2
NNC-2BSP- D4-L26	4	2	4	26	75	6	2
NNC-2BSP- D4-L30	4	2	4	30	60	6	2
NNC-2BSP- D4-L30	4	2	4	30	75	6	2

平刀 End Mill

微小径平刀
Micro diameter end mill

微小径深沟平刀
Micro Diameter Deep Groove End Mill

深沟平刀
Deep groove end mill

2刃平刀
2F End Mill

4刃平刀
4F End Mill

4刃粗皮铣刀
4F Rough Milling Cutter

平底精铣刀
6F End Mill

球刀 Ball End Mill

微小径球刀
Micro Diameter Ball End Mill

微小径深沟球刀
Micro Diameter Deep Groove Ball End Mill

深沟球刀
Deep groove Ball end mill

2刃球刀
2F Ball End Mill

圆鼻刀 Round nose end mill

深沟圆鼻刀
Deep groove round nose end mill

2刃圆鼻刀
2F Round nose end mill

4刃圆鼻刀
4F Round nose end mill

高效开粗铣刀
Efficient rough milling cutter

被加工材料适用表 Applicable Table of Processed Materials

● 非常适合 Perfect ○ 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/PDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C/11000
●	●	●	○	○	●			●

深沟圆鼻铣刀

Deep groove round nose end mill

NNC-4RSP

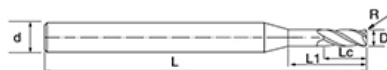
Coating
TiAlN

0.4
 μm

35°
helix

4

HRC
 ≤ 45



型号 No.	刃径 D	R角 R	刃长 Lc	有效长 L1	全长 L	柄径 d	刃数 F
NNC-4RSP-D1-L4	1	0.1	1	4	50	4	4
NNC-4RSP-D1-L6	1	0.1	1	6	50	4	4
NNC-4RSP-D1-L8	1	0.1	1	8	50	4	4
NNC-4RSP-D1-L10	1	0.1	1	10	50	4	4
NNC-4RSP-D1-L12	1	0.1	1	12	50	4	4
NNC-4RSP-D1-L4	1	0.2	1	4	50	4	4
NNC-4RSP-D1-L6	1	0.2	1	6	50	4	4
NNC-4RSP-D1-L8	1	0.2	1	8	50	4	4
NNC-4RSP-D1-L10	1	0.2	1	10	50	4	4
NNC-4RSP-D1-L12	1	0.2	1	12	50	4	4
NNC-4RSP-D1-L16	1	0.2	1	16	50	4	4
NNC-4RSP-D1.5-L6	1.5	0.2	1.5	6	50	4	4
NNC-4RSP-D1.5-L8	1.5	0.2	1.5	8	50	4	4
NNC-4RSP-D1.5-L10	1.5	0.2	1.5	10	50	4	4
NNC-4RSP-D1.5-L12	1.5	0.2	1.5	12	50	4	4
NNC-4RSP-D1.5-L16	1.5	0.2	1.5	16	50	4	4
NNC-4RSP-D1.5-L18	1.5	0.2	1.5	18	50	4	4
NNC-4RSP-D1.5-L20	1.5	0.2	1.5	20	50	4	4
NNC-4RSP-D2-L6	2	0.1	2	6	50	4	4
NNC-4RSP-D2-L8	2	0.1	2	8	50	4	4
NNC-4RSP-D2-L10	2	0.1	2	10	50	4	4
NNC-4RSP-D2-L12	2	0.1	2	12	50	4	4
NNC-4RSP-D2-L6	2	0.2	2	6	50	4	4
NNC-4RSP-D2-L8	2	0.2	2	8	50	4	4
NNC-4RSP-D2-L10	2	0.2	2	10	50	4	4
NNC-4RSP-D2-L12	2	0.2	2	12	50	4	4
NNC-4RSP-D2-L16	2	0.2	2	16	50	4	4
NNC-4RSP-D2-L18	2	0.2	2	18	50	4	4
NNC-4RSP-D2-L20	2	0.2	2	20	50	4	4

平刀 End Mill

微小径平刀
Micro diameter end mill
微小径深沟平刀
Micro Diameter Deep Groove End Mill
深沟平刀
Deep groove end mill
2刃平刀
2F End Mill
4刃平刀
4F End Mill
4刃粗齿铣刀
4F Rough Milling Cutter
平底精铣刀
6F End Mill

球刀 Ball End Mill

微小径球刀
Micro Diameter Ball End Mill
微小径深沟球刀
Micro Diameter Deep Groove Ball End Mill
深沟球刀
Deep groove Ball end mill
2刃球刀
2F Ball End Mill

圆鼻刀 Round nose end mill

深沟圆鼻刀
Deep groove round nose end mill
2刃圆鼻刀
2F Round nose end mill
4刃圆鼻刀
4F Round nose end mill
高效开粗铣刀
Efficient rough milling cutter

被加工材料适用表 Applicable Table of Processed Materials

● 非常适合 Perfect ○ 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343/ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
●	●	●	○	○	●			●

深沟圆鼻铣刀

Deep groove round nose end mill

NNC-4RSP

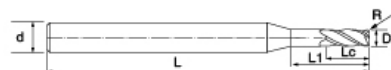
Coating
TiAN

0.4
 μm

35°
helix

4

HRC
 ≤ 45



	型号 No.	刃径 D	R角 R	刃长 Lc	有效长 L1	全长 L	柄径 d	刃数 F
平刀 End Mill	NNC-4RSP-D3-L10	3	0.2	3	10	50	4	4
	NNC-4RSP-D3-L12	3	0.2	3	12	50	4	4
微小径平刀 Micro diameter end mill	NNC-4RSP-D3-L16	3	0.2	3	16	50	4	4
微小径深沟平刀 Micro diameter deep groove end mill	NNC-4RSP-D3-L20	3	0.2	3	20	60	6	4
深沟平刀 Deep groove end mill	NNC-4RSP-D3-L20	3	0.2	3	20	75	6	4
2刃平刀 2F End Mill	NNC-4RSP-D3-L26	3	0.2	3	26	60	6	4
4刃平刀 4F End Mill	NNC-4RSP-D3-L26	3	0.2	3	26	75	6	4
4刃粗皮铣刀 4F Rough Milling Cutter	NNC-4RSP-D3-L30	3	0.2	3	30	60	6	4
平底精铣刀 SF End Mill	NNC-4RSP-D3-L30	3	0.2	3	30	75	6	4
	NNC-4RSP-D3-L10	3	0.5	3	10	60	4	4
	NNC-4RSP-D3-L12	3	0.5	3	12	60	4	4
球刀 Ball End Mill	NNC-4RSP-D3-L16	3	0.5	3	16	60	4	4
微小径球刀 Micro diameter Ball End Mill	NNC-4RSP-D3-L20	3	0.5	3	20	60	6	4
微小径深沟球刀 Micro diameter deep groove ball end mill	NNC-4RSP-D3-L20	3	0.5	3	20	75	6	4
深沟球刀 Deep groove Ball end mill	NNC-4RSP-D3-L26	3	0.5	3	26	60	6	4
2刃球刀 2F Ball End Mill	NNC-4RSP-D3-L26	3	0.5	3	26	75	6	4
	NNC-4RSP-D3-L30	3	0.5	3	30	60	6	4
	NNC-4RSP-D3-L30	3	0.5	3	30	75	6	4
圆鼻刀 Round nose end mill	NNC-4RSP-D4-L12	4	0.2	4	12	60	6	4
	NNC-4RSP-D4-L16	4	0.2	4	16	60	6	4
深沟圆鼻刀 Deep groove round nose end mill	NNC-4RSP-D4-L20	4	0.2	4	20	60	6	4
2刃圆鼻刀 2F Round nose end mill	NNC-4RSP-D4-L20	4	0.2	4	20	75	6	4
4刃圆鼻刀 4F Round nose end mill	NNC-4RSP-D4-L26	4	0.2	4	26	60	6	4
高效开粗铣刀 Efficient rough milling cutter	NNC-4RSP-D4-L26	4	0.2	4	26	75	6	4
	NNC-4RSP-D4-L30	4	0.2	4	30	60	6	4
	NNC-4RSP-D4-L30	4	0.2	4	30	75	6	4
	NNC-4RSP-D4-L12	4	0.5	4	12	60	6	4
	NNC-4RSP-D4-L16	4	0.5	4	16	60	6	4
	NNC-4RSP-D4-L20	4	0.5	4	20	60	6	4
	NNC-4RSP-D4-L20	4	0.5	4	20	75	6	4
	NNC-4RSP-D4-L26	4	0.5	4	26	60	6	4
	NNC-4RSP-D4-L26	4	0.5	4	26	75	6	4
	NNC-4RSP-D4-L30	4	0.5	4	30	60	6	4
	NNC-4RSP-D4-L30	4	0.5	4	30	75	6	4

被加工材料适用表 Applicable Table of Processed Materials

● 非常適合 Perfect ○ 適合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre-hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/IFDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 6061/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
●	●	●	○	○	●			●

高速 高硬 高效

High speed, high hardness,
and high efficiency

NNH 高速高硬系列

NNH High speed and high hardness series

- ★ 采用超微粒基材 ($0.4\ \mu\text{m}$) 制造, 兼具耐磨及韧性, 适合P20、718H、NAK80、H13等软硬材料的高速加工。
- ★ 平衡锐利度和刀尖刚性的刃口设计, 无论粗、精加工或干式、湿式切削均可实现长时间稳定加工寿命,
- ★ 可用于CNC高速条件下加工, 油雾、水冷、油冷等多种冷却环境。
- ★ Made with ultra-fine particle substrate ($0.4\ \mu\text{m}$), it has both wear resistance and toughness, suitable for high speed processing of soft and hard materials such as P20, 718H, NAK80, H13, etc.
- ★ A blade design that balances sharpness and tool tip rigidity can achieve long-term stable machining life for both rough and fine machining, as well as dry and wet cutting.
- ★ Can be used for CNC machining under high-speed conditions, in various cooling environments such as oil mist water cooling, oil cooling, etc.

微小径平底铣刀

Micro diameter end mill

NNH-2TS



型号 No.	刃径 D	刃长 Lc	全长 L	柄径 d	刃数 F
NNH-2TS-D0.1	0.1	0.1	50	4	2
NNH-2TS-D0.2	0.2	0.2	50	4	2
NNH-2TS-D0.3	0.3	0.3	50	4	2
NNH-2TS-D0.4	0.4	0.4	50	4	2
NNH-2TS-D0.5	0.5	0.5	50	4	2
NNH-2TS-D0.6	0.6	0.6	50	4	2
NNH-2TS-D0.7	0.7	0.7	50	4	2
NNH-2TS-D0.8	0.8	0.8	50	4	2
NNH-2TS-D0.9	0.9	0.9	50	4	2

平刀
End Mill

微小径平刀

Micro diameter end mill

微小径深沟平刀

Micro Diameter Deep Groove End Mill

深沟平刀

Deep groove end mill

2刃平刀

2F End Mill

4刃平刀

4F End Mill

球刀

Ball End Mill

微小径球刀

Micro Diameter Ball End Mill

微小径深沟球刀

Micro Diameter Deep groove ball end mill

深沟球刀

Deep groove Ball end mill

2刃球刀

2F Ball End Mill

圆鼻刀

Round nose end mill

微小径深沟圆鼻刀

Micro Diameter Deep groove round nose end mill

深沟圆鼻刀

Deep groove round nose end mill

2刃圆鼻刀

2F Round nose end mill

4刃圆鼻刀

4F Round nose end mill

高效开粗铣刀

Efficient rough milling cutter

被加工材料适用表 Applicable Table of Processed Materials

● 非常适合 Perfect ○ 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
○	●	●	●	○	○			●

微小径深沟平底铣刀

Micro diameter Deep groove end mill

NNH-2TSP

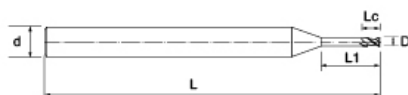
Coating
AlTiSiN

0.4
μm

30°
helix

2

HRC
≤58



平刀 End Mill	型号 No.	刃径 D	刃长 Lc	有效长 L1	全长 L	柄径 d	刃数 F
微小径平刀 Micro diameter end mill	NNH-2TSP-D0.2-L1	0.2	0.2	1	50	4	2
微小径深沟平刀 Micro diameter Deep groove end mill	NNH-2TSP-D0.2-L2	0.2	0.2	2	50	4	2
深沟平刀 Deep groove end mill	NNH-2TSP-D0.2-L3	0.2	0.2	3	50	4	2
2刃平刀 2F End Mill	NNH-2TSP-D0.3-L1	0.3	0.3	1	50	4	2
4刃平刀 4F End Mill	NNH-2TSP-D0.3-L2	0.3	0.3	2	50	4	2
	NNH-2TSP-D0.3-L3	0.3	0.3	3	50	4	2
	NNH-2TSP-D0.3-L4	0.3	0.3	4	50	4	2
球刀 Ball End Mill	NNH-2TSP-D0.4-L2	0.4	0.4	2	50	4	2
微小径球刀 Micro diameter Ball End Mill	NNH-2TSP-D0.4-L3	0.4	0.4	3	50	4	2
微小径深沟球刀 Micro diameter Deep groove Ball End Mill	NNH-2TSP-D0.4-L4	0.4	0.4	4	50	4	2
深沟球刀 Deep groove Ball end mill	NNH-2TSP-D0.4-L6	0.4	0.4	6	50	4	2
2刃球刀 2F Ball End Mill	NNH-2TSP-D0.5-L2	0.5	0.5	2	50	4	2
	NNH-2TSP-D0.5-L3	0.5	0.5	3	50	4	2
	NNH-2TSP-D0.5-L4	0.5	0.5	4	50	4	2
圆鼻刀 Round nose end mill	NNH-2TSP-D0.5-L5	0.5	0.5	5	50	4	2
微小径深沟圆鼻刀 Micro diameter Deep groove round nose end mill	NNH-2TSP-D0.5-L6	0.5	0.5	6	50	4	2
深沟圆鼻刀 Deep groove round nose end mill	NNH-2TSP-D0.6-L2	0.6	0.6	2	50	4	2
2刃圆鼻刀 2F Round nose end mill	NNH-2TSP-D0.6-L3	0.6	0.6	3	50	4	2
4刃圆鼻刀 4F Round nose end mill	NNH-2TSP-D0.6-L4	0.6	0.6	4	50	4	2
高效开粗铣刀 Efficient rough milling cutter	NNH-2TSP-D0.6-L6	0.6	0.6	6	50	4	2
	NNH-2TSP-D0.6-L8	0.6	0.6	8	50	4	2
	NNH-2TSP-D0.7-L2	0.7	0.7	2	50	4	2
	NNH-2TSP-D0.7-L4	0.7	0.7	4	50	4	2
	NNH-2TSP-D0.7-L6	0.7	0.7	6	50	4	2
	NNH-2TSP-D0.8-L2	0.8	0.8	2	50	4	2
	NNH-2TSP-D0.8-L3	0.8	0.8	3	50	4	2
	NNH-2TSP-D0.8-L4	0.8	0.8	4	50	4	2
	NNH-2TSP-D0.8-L6	0.8	0.8	6	50	4	2
	NNH-2TSP-D0.8-L8	0.8	0.8	8	50	4	2
	NNH-2TSP-D0.8-L10	0.8	0.8	10	50	4	2

被加工材料适用表 Applicable Table of Processed Materials

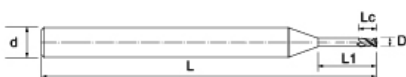
● 非常适合 Perfect ○ 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
○	●	●	●	○	○			●

深沟平底铣刀

Deep groove end mill

NNC-4TSP



型号 No.	刃径 D	刃长 Lc	有效长 L1	全长 L	柄径 d	刃数 F
NNH-4TSP-D1-L4	1	1	4	50	4	4
NNH-4TSP-D1-L6	1	1	6	50	4	4
NNH-4TSP-D1-L8	1	1	8	50	4	4
NNH-4TSP-D1-L10	1	1	10	50	4	4
NNH-4TSP-D1-L12	1	1	12	50	4	4
NNH-4TSP-D1.5-L6	1.5	1.5	6	50	4	4
NNH-4TSP-D1.5-L8	1.5	1.5	8	50	4	4
NNH-4TSP-D1.5-L10	1.5	1.5	10	50	4	4
NNH-4TSP-D1.5-L12	1.5	1.5	12	50	4	4
NNH-4TSP-D1.5-L16	1.5	1.5	16	50	4	4
NNH-4TSP-D2-L8	2	2	8	50	4	4
NNH-4TSP-D2-L10	2	2	10	50	4	4
NNH-4TSP-D2-L12	2	2	12	50	4	4
NNH-4TSP-D2-L16	2	2	16	50	4	4
NNH-4TSP-D2-L18	2	2	18	50	4	4
NNH-4TSP-D3-L10	3	3	10	50	4	4
NNH-4TSP-D3-L12	3	3	12	50	4	4
NNH-4TSP-D3-L16	3	3	16	50	4	4
NNH-4TSP-D3-L20	3	3	20	60	6	4
NNH-4TSP-D3-L25	3	3	25	60	6	4
NNH-4TSP-D3-L30	3	3	30	75	6	4
NNH-4TSP-D4-L15	4	4	15	50	6	4
NNH-4TSP-D4-L20	4	4	20	60	6	4
NNH-4TSP-D4-L25	4	4	25	75	6	4
NNH-4TSP-D4-L35	4	4	35	75	6	4

平刀
End Mill

微小径平刀

Micro diameter end mill

微小径深沟平刀

Micro diameter Deep groove end mill

深沟平刀

Deep groove end mill

2刃平刀

2F End Mill

4刃平刀

4F End Mill

球刀

Ball End Mill

微小径球刀

Micro diameter Ball End Mill

微小径深沟球刀

Micro diameter Deep groove ball end mill

深沟球刀

Deep groove Ball end mill

2刃球刀

2F Ball End Mill

圆鼻刀

Round nose end mill

微小径深沟圆鼻刀

Micro diameter Deep groove round nose end mill

深沟圆鼻刀

Deep groove round nose end mill

2刃圆鼻刀

2F Round nose end mill

4刃圆鼻刀

4F Round nose end mill

高效开粗铣刀

Efficient rough milling cutter

被加工材料适用表 Applicable Table of Processed Materials

● 非常适合 Perfect ○ 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
○	●	●	●	○	○			●

微小径球头铣刀

Micro Diameter Ball End Mill

NNH-2BS

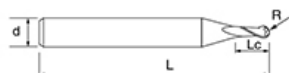
Coating
AlTiSiN

0.4
μm

30°
helix

2

HRC
≤58



平刀 End Mill

微小径平刀

Micro diameter end mill

微小径深沟平刀

Micro diameter Deep Groove End Mill

深沟平刀

Deep groove end mill

2刃平刀

2F End Mill

4刃平刀

4F End Mill

球刀 Ball End Mill

微小径球刀

Micro Diameter Ball End Mill

微小径深沟球刀

Micro diameter Deep groove ball end mill

深沟球刀

Deep groove Ball end mill

2刃球刀

2F Ball End Mill

圆鼻刀 Round nose end mill

微小径深沟圆鼻刀

Micro diameter Deep groove round nose end mill

深沟圆鼻刀

Deep groove round nose end mill

2刃圆鼻刀

2F Round nose end mill

4刃圆鼻刀

4F Round nose end mill

高效开粗铣刀

Efficient rough milling cutter

型号	刃径	R角	刃长	全长	柄径	刃数
No.	D	R	Lc	L	d	F
NNH-2BS-D0.1	0.1	0.05	0.1	50	4	2
NNH-2BS-D0.2	0.2	0.1	0.2	50	4	2
NNH-2BS-D0.3	0.3	0.15	0.3	50	4	2
NNH-2BS-D0.4	0.4	0.2	0.4	50	4	2
NNH-2BS-D0.5	0.5	0.25	0.5	50	4	2
NNH-2BS-D0.6	0.6	0.3	0.6	50	4	2
NNH-2BS-D0.7	0.7	0.35	0.7	50	4	2
NNH-2BS-D0.8	0.8	0.4	0.8	50	4	2
NNH-2BS-D0.9	0.9	0.45	0.9	50	4	2

被加工材料适用表 Applicable Table of Processed Materials

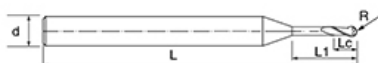
非常適合 Perfect 適合 suitable

铸铁、碳素钢	合金钢、工具钢	调质钢、预硬钢	热处理钢	热处理钢	不锈钢	铝合金	钛合金	铜、铜合金
Cast iron, carbon steel	Alloy steel, tool steel	Quenched and tempered steel Pre hardened steel	Heat-Treated Steel	Heat-Treated Steel	Stainless Steel	Aluminum Alloy	Titanium Alloy	Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
○	●	●	●	○	○			●

微小径深沟球头铣刀

Micro Diameter Deep groove ball end mill

NNH-2BSP



型号 No.	刃径 D	R角 R	刃长 Lc	有效长 L1	全长 L	柄径 d	刃数 F
NNH-2BSP-D0.2-L1	0.2	0.1	0.2	1	50	4	2
NNH-2BSP-D0.2-L2	0.2	0.1	0.2	2	50	4	2
NNH-2BSP-D0.3-L1	0.3	0.15	0.3	1	50	4	2
NNH-2BSP-D0.3-L2	0.3	0.15	0.3	2	50	4	2
NNH-2BSP-D0.3-L3	0.3	0.15	0.3	3	50	4	2
NNH-2BSP-D0.3-L4	0.3	0.15	0.3	4	50	4	2
NNH-2BSP-D0.4-L1	0.4	0.2	0.4	1	50	4	2
NNH-2BSP-D0.4-L2	0.4	0.2	0.4	2	50	4	2
NNH-2BSP-D0.4-L3	0.4	0.2	0.4	3	50	4	2
NNH-2BSP-D0.4-L4	0.4	0.2	0.4	4	50	4	2
NNH-2BSP-D0.4-L6	0.4	0.2	0.4	6	50	4	2
NNH-2BSP-D0.5-L2	0.5	0.25	0.5	2	50	4	2
NNH-2BSP-D0.5-L3	0.5	0.25	0.5	3	50	4	2
NNH-2BSP-D0.5-L4	0.5	0.25	0.5	4	50	4	2
NNH-2BSP-D0.5-L6	0.5	0.25	0.5	6	50	4	2
NNH-2BSP-D0.6-L2	0.6	0.3	0.6	2	50	4	2
NNH-2BSP-D0.6-L3	0.6	0.3	0.6	3	50	4	2
NNH-2BSP-D0.6-L4	0.6	0.3	0.6	4	50	4	2
NNH-2BSP-D0.6-L6	0.6	0.3	0.6	6	50	4	2
NNH-2BSP-D0.6-L8	0.6	0.3	0.6	8	50	4	2
NNH-2BSP-D0.6-L10	0.6	0.3	0.6	10	50	4	2
NNH-2BSP-D0.8-L2	0.8	0.4	0.8	2	50	4	2
NNH-2BSP-D0.8-L4	0.8	0.4	0.8	4	50	4	2
NNH-2BSP-D0.8-L6	0.8	0.4	0.8	6	50	4	2
NNH-2BSP-D0.8-L8	0.8	0.4	0.8	8	50	4	2
NNH-2BSP-D0.8-L10	0.8	0.4	0.8	10	50	4	2

平刀 End Mill

微小径平刀
Micro diameter end mill
微小径深沟平刀
Micro diameter Deep groove End Mill
深沟平刀
Deep groove end mill
2刃平刀
2F End Mill
4刃平刀
4F End Mill

球刀 Ball End Mill

微小径球刀
Micro Diameter Ball End Mill
微小径深沟球刀
Micro diameter Deep groove ball end mill
深沟球刀
Deep groove Ball end mill
2刃球刀
2F Ball End Mill

圆鼻刀 Round nose end mill

微小径深沟圆鼻刀
Micro diameter Deep groove round nose end mill
深沟圆鼻刀
Deep groove round nose end mill
2刃圆鼻刀
2F Round nose end mill
4刃圆鼻刀
4F Round nose end mill
高效开粗铣刀
Efficient rough milling cutter

被加工材料适用表 Applicable Table of Processed Materials

● 非常适合 Perfect ○ 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
○	●	●	●	○	○			●

深沟球头铣刀

Deep groove ball end mill

NNH-2BSP

Coating
AlTiSiN

0.4
μm

30°
helix

2

HRC
≤58



平刀 End Mill

微小径平刀
Micro diameter end mill

微小径深沟平刀
Micro diameter deep groove end mill

深沟平刀
Deep groove end mill

2刃平刀
2F End Mill

4刃平刀
4F End Mill

球刀 Ball End Mill

微小径球刀
Micro diameter ball end mill

微小径深沟球刀
Micro diameter deep groove ball end mill

深沟球刀
Deep groove ball end mill

2刃球刀
2F Ball End Mill

4刃球刀
4F Ball End Mill

圆鼻刀 Round nose end mill

微小径深沟圆鼻刀
Micro diameter deep groove round nose end mill

深沟圆鼻刀
Deep groove round nose end mill

2刃圆鼻刀
2F Round nose end mill

4刃圆鼻刀
4F Round nose end mill

高效开粗铣刀
Efficient rough milling cutter

型号 No.	刃径 D	R角 R	刃长 Lc	有效长 L1	全长 L	柄径 d	刃数 F
NNH-2BSP-D1-L4	1	0.5	1	4	50	4	2
NNH-2BSP-D1-L5	1	0.5	1	5	50	4	2
NNH-2BSP-D1-L6	1	0.5	1	6	50	4	2
NNH-2BSP-D1-L8	1	0.5	1	8	50	4	2
NNH-2BSP-D1-L10	1	0.5	1	10	50	4	2
NNH-2BSP-D1-L12	1	0.5	1	12	50	4	2
NNH-2BSP-D1.5-L4	1.5	0.75	1.5	4	50	4	2
NNH-2BSP-D1.5-L6	1.5	0.75	1.5	6	50	4	2
NNH-2BSP-D1.5-L8	1.5	0.75	1.5	8	50	4	2
NNH-2BSP-D1.5-L10	1.5	0.75	1.5	10	50	4	2
NNH-2BSP-D1.5-L12	1.5	0.75	1.5	12	50	4	2
NNH-2BSP-D2-L6	2	1	2	6	50	4	2
NNH-2BSP-D2-L8	2	1	2	8	50	4	2
NNH-2BSP-D2-L10	2	1	2	10	50	4	2
NNH-2BSP-D2-L12	2	1	2	12	50	4	2
NNH-2BSP-D2-L16	2	1	2	16	50	4	2
NNH-2BSP-D2-L18	2	1	2	18	50	4	2
NNH-2BSP-D2-L20	2	1	2	20	50	4	2
NNH-2BSP-D2-L8	2	1	2	8	50	6	2
NNH-2BSP-D2-L10	2	1	2	10	50	6	2
NNH-2BSP-D2-L12	2	1	2	12	50	6	2
NNH-2BSP-D2-L16	2	1	2	16	50	6	2
NNH-2BSP-D2-L18	2	1	2	18	50	6	2
NNH-2BSP-D2-L20	2	1	2	20	50	6	2
NNH-2BSP-D3-L8	3	1.5	3	8	50	4	2
NNH-2BSP-D3-L10	3	1.5	3	10	50	4	2
NNH-2BSP-D3-L12	3	1.5	3	12	50	4	2
NNH-2BSP-D3-L16	3	1.5	3	16	50	4	2
NNH-2BSP-D3-L8	3	1.5	3	8	50	6	2
NNH-2BSP-D3-L10	3	1.5	3	10	50	6	2
NNH-2BSP-D3-L12	3	1.5	3	12	50	6	2
NNH-2BSP-D3-L16	3	1.5	3	16	50	6	2
NNH-2BSP-D3-L20	3	1.5	3	20	60	6	2
NNH-2BSP-D3-L25	3	1.5	3	25	75	6	2
NNH-2BSP-D3-L30	3	1.5	3	30	75	6	2
NNH-2BSP-D4-L10	4	2	4	10	50	6	2
NNH-2BSP-D4-L12	4	2	4	12	50	6	2
NNH-2BSP-D4-L15	4	2	4	15	50	6	2
NNH-2BSP-D4-L20	4	2	4	20	60	6	2
NNH-2BSP-D4-L25	4	2	4	25	60	6	2
NNH-2BSP-D4-L30	4	2	4	30	75	6	2

被加工材料适用表 Applicable Table of Processed Materials

● 非常适合 Perfect ○ 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
○	●	●	●	○	○			●

微小径深沟圆鼻铣刀

Micro Diameter Deep groove round nose end mill

NNH-2RSP

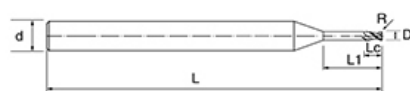
Coating
AlTiSiN

0.4
μm

30°
helix

2

HRC
≤58



型号 No.	刃径 D	R角 R	刃长 Lc	有效长 L1	全长 L	柄径 d	刃数 F
NNH-2RSP-D0.6-L2	0.6	0.05	0.6	2	50	4	2
NNH-2RSP-D0.6-L3	0.6	0.05	0.6	3	50	4	2
NNH-2RSP-D0.6-L4	0.6	0.05	0.6	4	50	4	2
NNH-2RSP-D0.6-L5	0.6	0.05	0.6	5	50	4	2
NNH-2RSP-D0.6-L6	0.6	0.05	0.6	6	50	4	2
NNH-2RSP-D0.6-L8	0.6	0.05	0.6	8	50	4	2
NNH-2RSP-D0.6-L2	0.6	0.1	0.6	2	50	4	2
NNH-2RSP-D0.6-L3	0.6	0.1	0.6	3	50	4	2
NNH-2RSP-D0.6-L4	0.6	0.1	0.6	4	50	4	2
NNH-2RSP-D0.6-L5	0.6	0.1	0.6	5	50	4	2
NNH-2RSP-D0.6-L6	0.6	0.1	0.6	6	50	4	2
NNH-2RSP-D0.6-L8	0.6	0.1	0.6	8	50	4	2
NNH-2RSP-D0.8-L2	0.8	0.05	0.8	2	50	4	2
NNH-2RSP-D0.8-L3	0.8	0.05	0.8	3	50	4	2
NNH-2RSP-D0.8-L4	0.8	0.05	0.8	4	50	4	2
NNH-2RSP-D0.8-L6	0.8	0.05	0.8	6	50	4	2
NNH-2RSP-D0.8-L8	0.8	0.05	0.8	8	50	4	2
NNH-2RSP-D0.8-L2	0.8	0.1	0.8	2	50	4	2
NNH-2RSP-D0.8-L4	0.8	0.1	0.8	4	50	4	2
NNH-2RSP-D0.8-L6	0.8	0.1	0.8	6	50	4	2
NNH-2RSP-D0.8-L8	0.8	0.1	0.8	8	50	4	2
NNH-2RSP-D0.8-L2	0.8	0.2	0.8	2	50	4	2
NNH-2RSP-D0.8-L4	0.8	0.2	0.8	4	50	4	2
NNH-2RSP-D0.8-L6	0.8	0.2	0.8	6	50	4	2
NNH-2RSP-D0.8-L8	0.8	0.2	0.8	8	50	4	2

平刀 End Mill

微小径平刀
Micro diameter end mill
微小径深沟平刀
Micro Diameter Deep Groove End Mill
深沟平刀
Deep groove end mill
2刃平刀
2F End Mill
4刃平刀
4F End Mill

球刀 Ball End Mill

微小径球刀
Micro Diameter Ball End Mill
微小径深沟球刀
Micro Diameter Deep Groove Ball End Mill
深沟球刀
Deep groove Ball end mill
2刃球刀
2F Ball End Mill

圆鼻刀 Round nose end mill

微小径深沟圆鼻刀
Micro Diameter Deep Groove Round Nose End Mill
深沟圆鼻刀
Deep groove round nose end mill
2刃圆鼻刀
2F Round nose end mill
4刃圆鼻刀
4F Round nose end mill
高效开粗铣刀
Efficient rough milling cutter

被加工材料适用表 Applicable Table of Processed Materials

● 非常适合 Perfect ○ 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
○	●	●	●	○	○			●

深沟圆鼻铣刀

Deep groove round nose end mill

NNH-4RSP

Coating
AlTiSiN

0.4
μm

30°
helix

2

HRC
≤58



型号 No.	刃径 D	R角 R	刃长 Lc	有效长 L1	全长 L	柄径 d	刃数 F
平刀 End Mill							
NNH-4RSP-D1-L3	1	0.1	1	3	50	4	4
NNH-4RSP-D1-L4	1	0.1	1	4	50	4	4
微小径平刀 Micro diameter end mill							
NNH-4RSP-D1-L6	1	0.1	1	6	50	4	4
微小径深沟平刀 Micro diameter deep groove end mill							
NNH-4RSP-D1-L8	1	0.1	1	8	50	4	4
深沟平刀 Deep groove end mill							
NNH-4RSP-D1-L3	1	0.2	1	3	50	4	4
2刃平刀 2F End Mill							
NNH-4RSP-D1-L4	1	0.2	1	4	50	4	4
4刃平刀 4F End Mill							
NNH-4RSP-D1-L6	1	0.2	1	6	50	4	4
NNH-4RSP-D1-L8	1	0.2	1	8	50	4	4
球刀 Ball End Mill							
NNH-4RSP-D1-L10	1	0.2	1	10	50	4	4
NNH-4RSP-D1-L12	1	0.2	1	12	50	4	4
微小径球刀 Micro diameter ball end mill							
NNH-4RSP-D1-L14	1	0.2	1	14	50	4	4
微小径深沟球刀 Micro diameter deep groove ball end mill							
NNH-4RSP-D1.5-L6	1.5	0.1	1.5	6	50	4	4
深沟球刀 Deep groove ball end mill							
NNH-4RSP-D1.5-L8	1.5	0.1	1.5	8	50	4	4
NNH-4RSP-D1.5-L10	1.5	0.1	1.5	10	50	4	4
2刃球刀 2F Ball End Mill							
NNH-4RSP-D1.5-L12	1.5	0.1	1.5	12	50	4	4
NNH-4RSP-D1.5-L6	1.5	0.2	1.5	6	50	4	4
NNH-4RSP-D1.5-L8	1.5	0.2	1.5	8	50	4	4
NNH-4RSP-D1.5-L10	1.5	0.2	1.5	10	50	4	4
圆鼻刀 Round nose end mill							
微小径深沟圆鼻刀 Micro diameter deep groove round nose end mill							
NNH-4RSP-D1.5-L12	1.5	0.2	1.5	12	50	4	4
深沟圆鼻刀 Deep groove round nose end mill							
NNH-4RSP-D1.5-L16	1.5	0.2	1.5	16	50	4	4
2刃圆鼻刀 2F Round nose end mill							
NNH-4RSP-D2-L8	2	0.1	2	8	50	4	4
4刃圆鼻刀 4F Round nose end mill							
NNH-4RSP-D2-L10	2	0.1	2	10	50	4	4
高效开粗铣刀 Efficient rough milling cutter							
NNH-4RSP-D2-L12	2	0.1	2	12	50	4	4
NNH-4RSP-D2-L8	2	0.2	2	8	50	4	4
NNH-4RSP-D2-L10	2	0.2	2	10	50	4	4
NNH-4RSP-D2-L12	2	0.2	2	12	50	4	4
NNH-4RSP-D2-L16	2	0.2	2	16	50	4	4
NNH-4RSP-D2-L18	2	0.2	2	18	50	4	4
NNH-4RSP-D2-L20	2	0.2	2	20	50	4	4
NNH-4RSP-D2-L8	2	0.5	2	8	50	4	4
NNH-4RSP-D2-L10	2	0.5	2	10	50	4	4
NNH-4RSP-D2-L12	2	0.5	2	12	50	4	4
NNH-4RSP-D2-L16	2	0.5	2	16	50	4	4

➤ 被加工材料适用表 Applicable Table of Processed Materials

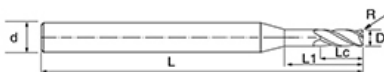
● 非常适合 Perfect ○ 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
○	●	●	●	○	○			●

深沟圆鼻铣刀

Deep groove round nose end mill

NNH-4RSP



型号 No.	刃径 D	R角 R	刃长 Lc	有效长 L1	全长 L	柄径 d	刃数 F
NNH-4RSP-D3-L10	3	0.1	3	10	50	4	4
NNH-4RSP-D3-L12	3	0.1	3	12	50	4	4
NNH-4RSP-D3-L16	3	0.1	3	16	50	4	4
NNH-4RSP-D3-L10	3	0.2	3	10	50	4	4
NNH-4RSP-D3-L12	3	0.2	3	12	50	4	4
NNH-4RSP-D3-L16	3	0.2	3	16	50	4	4
NNH-4RSP-D3-L20	3	0.2	3	20	60	6	4
NNH-4RSP-D3-L25	3	0.2	3	25	75	6	4
NNH-4RSP-D3-L30	3	0.2	3	30	75	6	4
NNH-4RSP-D3-L10	3	0.3	3	10	50	4	4
NNH-4RSP-D3-L12	3	0.3	3	12	50	4	4
NNH-4RSP-D3-L16	3	0.3	3	16	50	4	4
NNH-4RSP-D3-L10	3	0.5	3	10	50	4	4
NNH-4RSP-D3-L12	3	0.5	3	12	50	4	4
NNH-4RSP-D3-L16	3	0.5	3	16	50	4	4
NNH-4RSP-D3-L25	3	0.5	3	25	75	6	4
NNH-4RSP-D3-L30	3	0.5	3	30	75	6	4
NNH-4RSP-D4-L12	4	0.2	4	12	50	6	4
NNH-4RSP-D4-L16	4	0.2	4	16	50	6	4
NNH-4RSP-D4-L20	4	0.2	4	20	60	6	4
NNH-4RSP-D4-L25	4	0.2	4	25	75	6	4
NNH-4RSP-D4-L30	4	0.2	4	30	75	6	4
NNH-4RSP-D4-L35	4	0.2	4	35	75	6	4
NNH-4RSP-D4-L12	4	0.3	4	12	50	6	4
NNH-4RSP-D4-L16	4	0.3	4	16	50	6	4
NNH-4RSP-D4-L20	4	0.3	4	20	60	6	4
NNH-4RSP-D4-L25	4	0.3	4	25	75	6	4
NNH-4RSP-D4-L30	4	0.3	4	30	75	6	4
NNH-4RSP-D4-L35	4	0.3	4	35	75	6	4
NNH-4RSP-D4-L12	4	0.5	4	12	50	6	4
NNH-4RSP-D4-L16	4	0.5	4	16	50	6	4
NNH-4RSP-D4-L20	4	0.5	4	20	60	6	4
NNH-4RSP-D4-L25	4	0.5	4	25	75	6	4
NNH-4RSP-D4-L30	4	0.5	4	30	75	6	4
NNH-4RSP-D4-L35	4	0.5	4	35	75	6	4

平刀 End Mill

微小径平刀
Micro diameter end mill
微小径深沟平刀
Micro diameter Deep Groove End Mill
深沟平刀
Deep groove end mill
2刃平刀
2F End Mill
4刃平刀
4F End Mill

球刀 Ball End Mill

微小径球刀
Micro diameter Ball End Mill
微小径深沟球刀
Micro diameter Deep groove Ball End Mill
深沟球刀
Deep groove Ball end mill
2刃球刀
2F Ball End Mill

圆鼻刀 Round nose end mill

微小径深沟圆鼻刀
Micro diameter Deep groove round nose end mill
深沟圆鼻刀
Deep groove round nose end mill
2刃圆鼻刀
2F Round nose end mill
4刃圆鼻刀
4F Round nose end mill
高效开粗铣刀
Efficient rough milling cutter

被加工材料适用表 Applicable Table of Processed Materials

● 非常适合 Perfect ○ 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/PDAC	(45~55HRC) SKD61/1.2343/ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
○	●	●	●	○	○			●

铜电极铣削难题多？ 选它无忧

Are there many difficulties in
milling copper electrodes?
Choose it worry free

NNX 铜电极系列

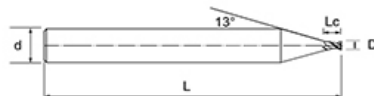
NNX Copper electrode series

- ★ 高精度：高精度的公差，确保达成超高铜电极的加工要求。
- ★ 高效率：凭借其特殊的锋利的刀型设计和 $0.2\mu\text{m}$ 极细超微粒基材，可实现高速加工。
- ★ 实现高品质的加工面：相比起传统涂层铣刀，选用最新工艺的DLC涂层，大幅度提高了刀具的寿命和表面光洁度。
- ★ High precision: High precision tolerances ensure the machining requirements of ultra-high copper electrodes are met.
- ★ High efficiency: With its special sharp blade design and $0.2\mu\text{m}$ ultra-fine particle substrate, high-speed processing can be achieved.
- ★ Achieving high-quality machining surfaces: Compared to traditional coated milling cutters, the use of the latest DLC coating technology significantly improves the tool's lifespan and surface smoothness.

微小径平底铣刀

Micro diameter end mill

NNX-2TS



平刀 End Mill	型号 No.	刃径 D	刃长 Lc	全长 L	柄径 d	刃数 F
微小径平刀 Micro diameter end mill	NNX-2TS-D0.05	0.05	0.1	50	4	2
微小径深沟平刀 Micro diameter Deep Groove End Mill	NNX-2TS-D0.06	0.06	0.12	50	4	2
深沟平刀 Deep groove end mill	NNX-2TS-D0.07	0.07	0.14	50	4	2
4刃平刀 4F End Mill	NNX-2TS-D0.08	0.08	0.16	50	4	2
	NNX-2TS-D0.09	0.09	0.18	50	4	2
	NNX-2TS-D0.1	0.1	0.2	50	4	2
球刀 Ball End Mill	NNX-2TS-D0.15	0.15	0.3	50	4	2
微小径球刀 Micro Diameter Ball End Mill	NNX-2TS-D0.2	0.2	0.4	50	4	2
微小径深沟球刀 Micro Diameter Deep Groove Ball End Mill	NNX-2TS-D0.25	0.25	0.5	50	4	2
深沟球刀 Deep groove Ball end mill	NNX-2TS-D0.3	0.3	0.6	50	4	2
2刃球刀 2F Ball End Mill	NNX-2TS-D0.35	0.35	0.7	50	4	2
	NNX-2TS-D0.4	0.4	0.8	50	4	2
	NNX-2TS-D0.45	0.45	0.9	50	4	2
	NNX-2TS-D0.5	0.5	1	50	4	2
圆鼻刀 Round nose end mill	NNX-2TS-D0.55	0.55	1.1	50	4	2
微小径圆鼻刀 Micro Diameter round nose end mill	NNX-2TS-D0.6	0.6	1.2	50	4	2
微小径深沟圆鼻刀 Micro Diameter Deep Groove round nose end mill	NNX-2TS-D0.65	0.65	1.3	50	4	2
深沟圆鼻刀 Deep groove round nose end mill	NNX-2TS-D0.7	0.7	1.4	50	4	2
4刃圆鼻刀 4F Round nose end mill	NNX-2TS-D0.75	0.75	1.5	50	4	2
	NNX-2TS-D0.8	0.8	1.6	50	4	2
	NNX-2TS-D0.85	0.85	1.7	50	4	2
	NNX-2TS-D0.9	0.9	1.8	50	4	2

被加工材料适用表 Applicable Table of Processed Materials

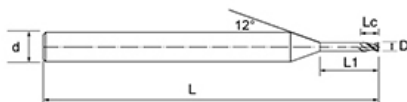
● 非常适合 Perfect ○ 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
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微小径深沟平底铣刀

Micro diameter Deep groove end mill

NNX-2TSP



型号 No.	刃径 D	刃长 Lc	有效长 L1	全长 L	柄径 d	刃数 F	平刀 End Mill
NNX-2TSP-D0.1-L0.3	0.1	0.1	0.3	50	4	2	微小径平刀 Micro diameter end mill
NNX-2TSP-D0.1-L0.5	0.1	0.1	0.5	50	4	2	微小径深沟平刀 Micro diameter Deep Groove End Mill
NNX-2TSP-D0.1-L0.8	0.1	0.1	0.8	50	4	2	深沟平刀 Deep groove end mill
NNX-2TSP-D0.1-L1	0.1	0.1	1	50	4	2	4刃平刀 4F End Mill
NNX-2TSP-D0.15-L0.5	0.15	0.15	0.5	50	4	2	
NNX-2TSP-D0.15-L1	0.15	0.15	1	50	4	2	
NNX-2TSP-D0.2-L1	0.2	0.2	1	50	4	2	
NNX-2TSP-D0.2-L1.5	0.2	0.2	1.5	50	4	2	球刀 Ball End Mill
NNX-2TSP-D0.2-L2	0.2	0.2	2	50	4	2	微小径球刀 Micro Diameter Ball End Mill
NNX-2TSP-D0.2-L3	0.2	0.2	3	50	4	2	微小径深沟球刀 Micro Diameter Deep Groove Ball End Mill
NNX-2TSP-D0.2-L4	0.2	0.2	4	50	4	2	深沟球刀 Deep groove Ball end mill
NNX-2TSP-D0.3-L1	0.3	0.3	1	50	4	2	2刃球刀 2F Ball End Mill
NNX-2TSP-D0.3-L1.5	0.3	0.3	1.5	50	4	2	
NNX-2TSP-D0.3-L2	0.3	0.3	2	50	4	2	
NNX-2TSP-D0.3-L3	0.3	0.3	3	50	4	2	
NNX-2TSP-D0.3-L4	0.3	0.3	4	50	4	2	圆鼻刀 Round nose end mill
NNX-2TSP-D0.3-L5	0.3	0.3	5	50	4	2	微小径圆鼻刀 Micro Diameter round nose end mill
NNX-2TSP-D0.4-L1.5	0.4	0.4	1.5	50	4	2	微小径深沟圆鼻刀 Micro Diameter Deep Groove round nose end mill
NNX-2TSP-D0.4-L2	0.4	0.4	2	50	4	2	深沟圆鼻刀 Deep groove round nose end mill
NNX-2TSP-D0.4-L3	0.4	0.4	3	50	4	2	4刃圆鼻刀 4F Round nose end mill
NNX-2TSP-D0.4-L4	0.4	0.4	4	50	4	2	
NNX-2TSP-D0.4-L5	0.4	0.4	5	50	4	2	
NNX-2TSP-D0.4-L6	0.4	0.4	6	50	4	2	

被加工材料适用表 Applicable Table of Processed Materials

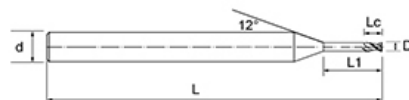
● 非常适合 Perfect ○ 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
								●

微小径深沟平底铣刀

Micro diameter Deep groove end mill

NNX-2TSP



平刀 End Mill	型号 No.	刃径 D	刃长 Lc	有效长 L1	全长 L	柄径 d	刃数 F
微小径平刀 Micro diameter end mill	NNX-2TSP-D0.5-L2	0.5	0.5	2	50	4	2
微小径深沟平底铣刀 Micro diameter Deep Groove End Mill	NNX-2TSP-D0.5-L3	0.5	0.5	3	50	4	2
深沟平底铣刀 Deep groove end mill	NNX-2TSP-D0.5-L4	0.5	0.5	4	50	4	2
4刃平刀 4F End Mill	NNX-2TSP-D0.5-L5	0.5	0.5	5	50	4	2
	NNX-2TSP-D0.5-L6	0.5	0.5	6	50	4	2
	NNX-2TSP-D0.5-L8	0.5	0.5	8	50	4	2
球刀 Ball End Mill	NNX-2TSP-D0.5-L10	0.5	0.5	10	50	4	2
微小径球刀 Micro Diameter Ball End Mill	NNX-2TSP-D0.6-L2	0.6	0.6	2	50	4	2
微小径深沟球刀 Micro Diameter Deep Groove Ball End Mill	NNX-2TSP-D0.6-L3	0.6	0.6	3	50	4	2
深沟球刀 Deep groove Ball end mill	NNX-2TSP-D0.6-L4	0.6	0.6	4	50	4	2
2刃球刀 2F Ball End Mill	NNX-2TSP-D0.6-L5	0.6	0.6	5	50	4	2
	NNX-2TSP-D0.6-L6	0.6	0.6	6	50	4	2
	NNX-2TSP-D0.6-L8	0.6	0.6	8	50	4	2
	NNX-2TSP-D0.6-L10	0.6	0.6	10	50	4	2
圆鼻刀 Round nose end mill	NNX-2TSP-D0.7-L2	0.7	0.7	2	50	4	2
微小径圆鼻刀 Micro Diameter round nose end mill	NNX-2TSP-D0.7-L3	0.7	0.7	3	50	4	2
微小径深沟圆鼻刀 Micro Diameter Deep Groove round nose end mill	NNX-2TSP-D0.7-L4	0.7	0.7	4	50	4	2
深沟圆鼻刀 Deep groove round nose end mill	NNX-2TSP-D0.7-L5	0.7	0.7	5	50	4	2
4刃圆鼻刀 4F Round nose end mill	NNX-2TSP-D0.7-L6	0.7	0.7	6	50	4	2
	NNX-2TSP-D0.7-L8	0.7	0.7	8	50	4	2
	NNX-2TSP-D0.7-L10	0.7	0.7	10	50	4	2
	NNX-2TSP-D0.8-L2	0.8	0.8	2	50	4	2
	NNX-2TSP-D0.8-L3	0.8	0.8	3	50	4	2
	NNX-2TSP-D0.8-L4	0.8	0.8	4	50	4	2
	NNX-2TSP-D0.8-L5	0.8	0.8	5	50	4	2
	NNX-2TSP-D0.8-L6	0.8	0.8	6	50	4	2
	NNX-2TSP-D0.8-L8	0.8	0.8	8	50	4	2
	NNX-2TSP-D0.8-L10	0.8	0.8	10	50	4	2

被加工材料适用表 Applicable Table of Processed Materials

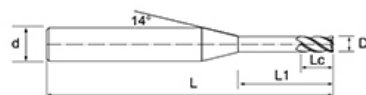
● 非常适合 Perfect ○ 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
								○

深沟平底铣刀

Deep groove end mill

NNX-4TSP



型号 No.	刃径 D	刃长 Lc	有效长 L1	全长 L	柄径 d	刃数 F
NNX-4TSP- D1-L4	1	1.5	4	50	4	4
NNX-4TSP- D1-L5	1	1.5	5	50	4	4
NNX-4TSP- D1-L6	1	1.5	6	50	4	4
NNX-4TSP- D1-L8	1	1.5	8	50	4	4
NNX-4TSP- D1-L10	1	1.5	10	50	4	4
NNX-4TSP- D1-L12	1	1.5	12	50	4	4
NNX-4TSP- D1-L14	1	1.5	14	50	4	4
NNX-4TSP- D1-L16	1	1.5	16	50	4	4
NNX-4TSP- D1-L18	1	1.5	18	50	4	4
NNX-4TSP- D1-L20	1	1.5	20	50	4	4
NNX-4TSP- D1.5-L6	1.5	2.3	6	50	4	4
NNX-4TSP- D1.5-L8	1.5	2.3	8	50	4	4
NNX-4TSP- D1.5-L10	1.5	2.3	10	50	4	4
NNX-4TSP- D1.5-L12	1.5	2.3	12	50	4	4
NNX-4TSP- D1.5-L14	1.5	2.3	14	50	4	4
NNX-4TSP- D1.5-L16	1.5	2.3	16	50	4	4
NNX-4TSP- D1.5-L18	1.5	2.3	18	50	4	4
NNX-4TSP- D1.5-L20	1.5	2.3	20	50	4	4
NNX-4TSP- D2-L6	2	3	6	50	4	4
NNX-4TSP- D2-L8	2	3	8	50	4	4
NNX-4TSP- D2-L10	2	3	10	50	4	4
NNX-4TSP- D2-L12	2	3	12	50	4	4
NNX-4TSP- D2-L14	2	3	14	50	4	4
NNX-4TSP- D2-L16	2	3	16	50	4	4
NNX-4TSP- D2-L18	2	3	18	50	4	4
NNX-4TSP- D2-L20	2	3	20	50	4	4

平刀 End Mill

微小径平刀
Micro diameter end mill
微小径深沟平刀
Micro diameter Deep Groove End Mill
深沟平刀
Deep groove end mill
4刃平刀
4F End Mill

球刀 Ball End Mill

微小径球刀
Micro Diameter Ball End Mill
微小径深沟球刀
Micro Diameter Deep Groove Ball End Mill
深沟球刀
Deep groove Ball end mill
2刃球刀
2F Ball End Mill

圆鼻刀 Round nose end mill

微小径圆鼻刀
Micro Diameter round nose end mill
微小径深沟圆鼻刀
Micro Diameter Deep Groove round nose end mill
深沟圆鼻刀
Deep groove round nose end mill
4刃圆鼻刀
4F Round nose end mill

被加工材料适用表 Applicable Table of Processed Materials

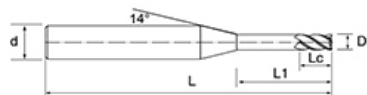
● 非常适合 Perfect ○ 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
								●

深沟平底铣刀

Deep groove end mill

NNX-4TSP



平刀 End Mill	型号 No.	刃径 D	刃长 Lc	有效长 L1	全长 L	柄径 d	刃数 F
微小径平刀 Micro diameter end mill	NNX-4TSP-D3-L10	3	4.5	10	50	4	4
微小径深沟平刀 Micro diameter deep groove end mill	NNX-4TSP-D3-L12	3	4.5	12	50	4	4
深沟平刀 Deep groove end mill	NNX-4TSP-D3-L14	3	4.5	14	50	4	4
4刃平刀 4F End Mill	NNX-4TSP-D3-L16	3	4.5	16	50	4	4
	NNX-4TSP-D3-L18	3	4.5	18	50	4	4
	NNX-4TSP-D3-L20	3	4.5	20	50	4	4
球刀 Ball End Mill	NNX-4TSP-D3-L16	3	4.5	16	60	6	4
微小径球刀 Micro diameter ball end mill	NNX-4TSP-D3-L18	3	4.5	18	60	6	4
微小径深沟球刀 Micro diameter deep groove ball end mill	NNX-4TSP-D3-L20	3	4.5	20	60	6	4
深沟球刀 Deep groove ball end mill	NNX-4TSP-D3-L25	3	4.5	25	60	6	4
2刃球刀 2F Ball End Mill	NNX-4TSP-D3-L16	3	4.5	16	75	6	4
	NNX-4TSP-D3-L18	3	4.5	18	75	6	4
	NNX-4TSP-D3-L20	3	4.5	20	75	6	4
	NNX-4TSP-D3-L25	3	4.5	25	75	6	4
圆鼻刀 Round nose end mill	NNX-4TSP-D3-L30	3	4.5	30	75	6	4
微小径圆鼻刀 Micro diameter round nose end mill	NNX-4TSP-D3-L35	3	4.5	35	75	6	4
微小径深沟圆鼻刀 Micro diameter deep groove round nose end mill	NNX-4TSP-D4-L16	4	6	16	60	6	4
深沟圆鼻刀 Deep groove round nose end mill	NNX-4TSP-D4-L18	4	6	18	60	6	4
4刃圆鼻刀 4F Round nose end mill	NNX-4TSP-D4-L20	4	6	20	60	6	4
	NNX-4TSP-D4-L25	4	6	25	60	6	4
	NNX-4TSP-D4-L16	4	6	16	75	6	4
	NNX-4TSP-D4-L18	4	6	18	75	6	4
	NNX-4TSP-D4-L20	4	6	20	75	6	4
	NNX-4TSP-D4-L25	4	6	25	75	6	4
	NNX-4TSP-D4-L30	4	6	30	75	6	4
	NNX-4TSP-D4-L35	4	6	35	75	6	4

被加工材料适用表 Applicable Table of Processed Materials

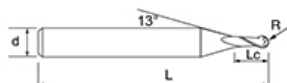
非常適合 Perfect 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
								⊙

微小径球头铣刀

Micro Diameter Ball End Mill

NNX-2BS



平刀

End Mill

型号	刃径	R角	刃长	全长	柄径	刃数
No.	D	R	Lc	L	d	F
微小径平刀 Micro diameter end mill	NNX-2BS-D0.1	0.1	R0.05	0.2	50	4
微小径深沟平刀 Micro Diameter Deep Groove End Mill	NNX-2BS-D0.15	0.15	R0.075	0.3	50	4
深沟平刀 Deep groove end mill	NNX-2BS-D0.2	0.2	R0.1	0.4	50	4
4刃平刀 4F End Mill	NNX-2BS-D0.3	0.3	R0.15	0.6	50	4
	NNX-2BS-D0.4	0.4	R0.2	0.8	50	4
	NNX-2BS-D0.5	0.5	R0.25	1	50	4
球刀 Ball End Mill	NNX-2BS-D0.6	0.6	R0.3	1.2	50	4
微小径球刀 Micro Diameter Ball End Mill	NNX-2BS-D0.7	0.7	R0.35	1.4	50	4
微小径深沟球刀 Micro Diameter Deep groove ball end mill	NNX-2BS-D0.8	0.8	R0.4	1.6	50	4
深沟球刀 Deep groove Ball end mill	NNX-2BS-D0.9	0.9	R0.45	1.8	50	4
2刃球刀 2F Ball End Mill						

圆鼻刀

Round nose end mill

微小径圆鼻刀 Micro Diameter round nose end mill	微小径深沟圆鼻刀 Micro Diameter Deep groove round nose end mill	深沟圆鼻刀 Deep groove round nose end mill	4刃圆鼻刀 4F Round nose end mill
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被加工材料适用表 Applicable Table of Processed Materials

非常適合 Perfect 適合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
								○

微小径深沟球头铣刀

Micro Diameter Deep groove ball end mill

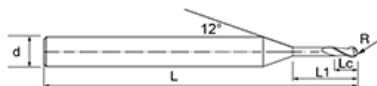
NNX-2BSP

Coating
DLC

0.2
 μm

30°
helix

2



型号 No.	刃径 D	R角 R	刃长 Lc	有效长 L1	全长 L	柄径 d	刃数 F
NNX-2BSP-D0.1-L0.3	0.1	0.05	0.1	0.3	50	4	2
NNX-2BSP-D0.1-L0.5	0.1	0.05	0.1	0.5	50	4	2
NNX-2BSP-D0.1-L0.8	0.1	0.05	0.1	0.8	50	4	2
NNX-2BSP-D0.1-L1	0.1	0.05	0.1	1	50	4	2
NNX-2BSP-D0.15-L0.5	0.15	0.075	0.15	0.5	50	4	2
NNX-2BSP-D0.15-L1	0.15	0.075	0.15	1	50	4	2
NNX-2BSP-D0.2-L1	0.2	0.1	0.2	1	50	4	2
NNX-2BSP-D0.2-L1.5	0.2	0.1	0.2	1.5	50	4	2
NNX-2BSP-D0.2-L2	0.2	0.1	0.2	2	50	4	2
NNX-2BSP-D0.2-L3	0.2	0.1	0.2	3	50	4	2
NNX-2BSP-D0.3-L1	0.3	0.15	0.3	1	50	4	2
NNX-2BSP-D0.3-L1.5	0.3	0.15	0.3	1.5	50	4	2
NNX-2BSP-D0.3-L2	0.3	0.15	0.3	2	50	4	2
NNX-2BSP-D0.3-L3	0.3	0.15	0.3	3	50	4	2
NNX-2BSP-D0.3-L4	0.3	0.15	0.3	4	50	4	2
NNX-2BSP-D0.3-L5	0.3	0.15	0.3	5	50	4	2
NNX-2BSP-D0.4-L1.5	0.4	0.2	0.4	1.5	50	4	2
NNX-2BSP-D0.4-L2	0.4	0.2	0.4	2	50	4	2
NNX-2BSP-D0.4-L3	0.4	0.2	0.4	3	50	4	2
NNX-2BSP-D0.4-L4	0.4	0.2	0.4	4	50	4	2
NNX-2BSP-D0.4-L5	0.4	0.2	0.4	5	50	4	2
NNX-2BSP-D0.4-L6	0.4	0.2	0.4	6	50	4	2
NNX-2BSP-D0.5-L2	0.5	0.25	0.5	2	50	4	2
NNX-2BSP-D0.5-L3	0.5	0.25	0.5	3	50	4	2
NNX-2BSP-D0.5-L4	0.5	0.25	0.5	4	50	4	2
NNX-2BSP-D0.5-L5	0.5	0.25	0.5	5	50	4	2
NNX-2BSP-D0.5-L6	0.5	0.25	0.5	6	50	4	2
NNX-2BSP-D0.5-L8	0.5	0.25	0.5	8	50	4	2
NNX-2BSP-D0.6-L2	0.6	0.3	0.6	2	50	4	2
NNX-2BSP-D0.6-L3	0.6	0.3	0.6	3	50	4	2
NNX-2BSP-D0.6-L4	0.6	0.3	0.6	4	50	4	2
NNX-2BSP-D0.6-L5	0.6	0.3	0.6	5	50	4	2
NNX-2BSP-D0.6-L6	0.6	0.3	0.6	6	50	4	2
NNX-2BSP-D0.6-L8	0.6	0.3	0.6	8	50	4	2
NNX-2BSP-D0.6-L10	0.6	0.3	0.6	10	50	4	2
NNX-2BSP-D0.8-L2	0.8	0.4	0.8	2	50	4	2
NNX-2BSP-D0.8-L3	0.8	0.4	0.8	3	50	4	2
NNX-2BSP-D0.8-L4	0.8	0.4	0.8	4	50	4	2
NNX-2BSP-D0.8-L5	0.8	0.4	0.8	5	50	4	2
NNX-2BSP-D0.8-L6	0.8	0.4	0.8	6	50	4	2
NNX-2BSP-D0.8-L8	0.8	0.4	0.8	8	50	4	2
NNX-2BSP-D0.8-L10	0.8	0.4	0.8	10	50	4	2

平刀
End Mill

微小径平刀
Micro diameter end mill
微小径深沟平刀
Micro Diameter Deep Groove End Mill
深沟平刀
Deep groove end mill
4刃平刀
4F End Mill

球刀
Ball End Mill

微小径球刀
Micro Diameter Ball End Mill
微小径深沟球刀
Micro Diameter Deep Groove Ball End Mill
深沟球刀
Deep groove Ball end mill
2刃球刀
2F Ball End Mill

圆鼻刀
Round nose end mill

微小径圆鼻刀
Micro Diameter round nose end mill
微小径深沟圆鼻刀
Micro Diameter Deep Groove round nose end mill
深沟圆鼻刀
Deep groove round nose end mill
4刃圆鼻刀
4F Round nose end mill

被加工材料适用表 Applicable Table of Processed Materials

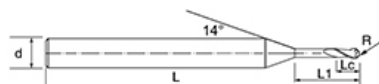
● 非常适合 Perfect ○ 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343/ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
								○

深沟球头铣刀

Deep groove ball end mill

NNX-2BSP



平刀 End Mill	型号 No.	刃径 D	R角 R	刃长 Lc	有效长 L1	全长 L	柄径 d	刃数 F
微小径平刀 Micro diameter end mill	NNX-2BSP-D1-L3	1	0.5	1	3	50	4	2
微小径深沟平刀 Micro diameter Deep Groove End Mill	NNX-2BSP-D1-L4	1	0.5	1	4	50	4	2
深沟平刀 Deep groove end mill	NNX-2BSP-D1-L5	1	0.5	1	5	50	4	2
4刃平刀 4F End Mill	NNX-2BSP-D1-L6	1	0.5	1	6	50	4	2
	NNX-2BSP-D1-L8	1	0.5	1	8	50	4	2
	NNX-2BSP-D1-L10	1	0.5	1	10	50	4	2
	NNX-2BSP-D1-L12	1	0.5	1	12	50	4	2
	NNX-2BSP-D1-L14	1	0.5	1	14	50	4	2
球刀 Ball End Mill	NNX-2BSP-D1-L16	1	0.5	1	16	50	4	2
微小径球刀 Micro Diameter Ball End Mill	NNX-2BSP-D1-L18	1	0.5	1	18	50	4	2
微小径深沟球刀 Micro Diameter Deep Groove Ball End Mill	NNX-2BSP-D1-L20	1	0.5	1	20	50	4	2
深沟球刀 Deep groove Ball end mill	NNX-2BSP-D1.5-L4	1.5	0.75	1.5	4	50	4	2
2刃球刀 2F Ball End Mill	NNX-2BSP-D1.5-L5	1.5	0.75	1.5	5	50	4	2
	NNX-2BSP-D1.5-L6	1.5	0.75	1.5	6	50	4	2
	NNX-2BSP-D1.5-L8	1.5	0.75	1.5	8	50	4	2
	NNX-2BSP-D1.5-L10	1.5	0.75	1.5	10	50	4	2
	NNX-2BSP-D1.5-L12	1.5	0.75	1.5	12	50	4	2
	NNX-2BSP-D1.5-L16	1.5	0.75	1.5	16	50	4	2
	NNX-2BSP-D1.5-L18	1.5	0.75	1.5	18	50	4	2
	NNX-2BSP-D1.5-L20	1.5	0.75	1.5	20	50	4	2
圆鼻刀 Round nose end mill	NNX-2BSP-D2-L6	2	1	2	6	50	4	2
微小径圆鼻刀 Micro Diameter round nose end mill	NNX-2BSP-D2-L8	2	1	2	8	50	4	2
微小径深沟圆鼻刀 Micro Diameter Deep Groove round nose end mill	NNX-2BSP-D2-L10	2	1	2	10	50	4	2
深沟圆鼻刀 Deep groove round nose end mill	NNX-2BSP-D2-L12	2	1	2	12	50	4	2
4刃圆鼻刀 4F Round nose end mill	NNX-2BSP-D2-L14	2	1	2	14	50	4	2
	NNX-2BSP-D2-L16	2	1	2	16	50	4	2
	NNX-2BSP-D2-L18	2	1	2	18	50	4	2
	NNX-2BSP-D2-L20	2	1	2	20	50	4	2
	NNX-2BSP-D2-L16	2	1	2	16	60	6	2
	NNX-2BSP-D2-L18	2	1	2	18	60	6	2
	NNX-2BSP-D2-L20	2	1	2	20	60	6	2
	NNX-2BSP-D2-L25	2	1	2	25	60	6	2

被加工材料适用表 Applicable Table of Processed Materials

● 非常适合 Perfect ○ 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
								○

深沟球头铣刀

Deep groove ball end mill

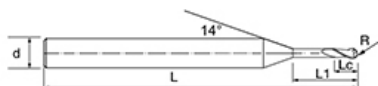
NNX-2BSP

Coating
DLC

0.2
 μm

30°
helix

2



型号 No.	刃径 D	R角 R	刃长 Lc	有效长 L1	全长 L	柄径 d	刃数 F
NNX-2BSP-D3-L8	3	1.5	3	8	50	4	2
NNX-2BSP-D3-L10	3	1.5	3	10	50	4	2
NNX-2BSP-D3-L12	3	1.5	3	12	50	4	2
NNX-2BSP-D3-L16	3	1.5	3	16	50	4	2
NNX-2BSP-D3-L20	3	1.5	3	20	50	4	2
NNX-2BSP-D3-L16	3	1.5	3	16	60	6	2
NNX-2BSP-D3-L18	3	1.5	3	18	60	6	2
NNX-2BSP-D3-L20	3	1.5	3	20	60	6	2
NNX-2BSP-D3-L25	3	1.5	3	25	60	6	2
NNX-2BSP-D3-L16	3	1.5	3	16	75	6	2
NNX-2BSP-D3-L18	3	1.5	3	18	75	6	2
NNX-2BSP-D3-L20	3	1.5	3	20	75	6	2
NNX-2BSP-D3-L25	3	1.5	3	25	75	6	2
NNX-2BSP-D3-L30	3	1.5	3	30	75	6	2
NNX-2BSP-D4-L16	4	2	4	16	60	6	2
NNX-2BSP-D4-L18	4	2	4	18	60	6	2
NNX-2BSP-D4-L20	4	2	4	20	60	6	2
NNX-2BSP-D4-L25	4	2	4	25	60	6	2
NNX-2BSP-D4-L16	4	2	4	16	75	6	2
NNX-2BSP-D4-L18	4	2	4	18	75	6	2
NNX-2BSP-D4-L20	4	2	4	20	75	6	2
NNX-2BSP-D4-L25	4	2	4	25	75	6	2
NNX-2BSP-D4-L30	4	2	4	30	75	6	2
NNX-2BSP-D4-L35	4	2	4	35	75	6	2

平刀 End Mill

微小径平刀
Micro diameter end mill
微小径深沟平刀
Micro Diameter Deep Groove End Mill
深沟平刀
Deep groove end mill
4刃平刀
4F End Mill

球刀 Ball End Mill

微小径球刀
Micro Diameter Ball End Mill
微小径深沟球刀
Micro Diameter Deep Groove Ball End Mill
深沟球刀
Deep groove Ball end mill
2刃球刀
2F Ball End Mill

圆鼻刀 Round nose end mill

微小径圆鼻刀
Micro Diameter round nose end mill
微小径深沟圆鼻刀
Micro Diameter Deep Groove round nose end mill
深沟圆鼻刀
Deep groove round nose end mill
4刃圆鼻刀
4F Round nose end mill

被加工材料适用表 Applicable Table of Processed Materials

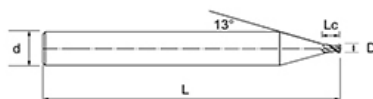
● 非常适合 Perfect ○ 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
								●

微小径圆鼻铣刀

Micro diameter round nose end mill

NNX-2RS



Coating
DLC

0.2
μm

30°
helix

2

型号 No.	刃径 D	R角 R	刃长 Lc	全长 L	柄径 d	刃数 F
NNX-2RS-D0.2	0.2	0.02	0.4	50	4	2
NNX-2RS-D0.2	0.2	0.05	0.4	50	4	2
NNX-2RS-D0.3	0.3	0.02	0.6	50	4	2
NNX-2RS-D0.3	0.3	0.05	0.6	50	4	2
NNX-2RS-D0.4	0.4	0.02	0.8	50	4	2
NNX-2RS-D0.4	0.4	0.05	0.8	50	4	2
NNX-2RS-D0.4	0.4	0.1	0.8	50	4	2
NNX-2RS-D0.5	0.5	0.02	1.0	50	4	2
NNX-2RS-D0.5	0.5	0.05	1.0	50	4	2
NNX-2RS-D0.5	0.5	0.1	1.0	50	4	2
NNX-2RS-D0.6	0.6	0.02	1.2	50	4	2
NNX-2RS-D0.6	0.6	0.05	1.2	50	4	2
NNX-2RS-D0.6	0.6	0.1	1.2	50	4	2
NNX-2RS-D0.6	0.6	0.2	1.2	50	4	2
NNX-2RS-D0.8	0.8	0.02	1.6	50	4	2
NNX-2RS-D0.8	0.8	0.05	1.6	50	4	2
NNX-2RS-D0.8	0.8	0.1	1.6	50	4	2
NNX-2RS-D0.8	0.8	0.2	1.6	50	4	2

平刀 End Mill

微小径平刀
Micro diameter end mill
微小径深沟平刀
Micro diameter Deep Groove End Mill
深沟平刀
Deep groove end mill
4刃平刀
4F End Mill

球刀 Ball End Mill

微小径球刀
Micro Diameter Ball End Mill
微小径深沟球刀
Micro diameter Deep Groove Ball End Mill
深沟球刀
Deep groove Ball end mill
2刃球刀
2F Ball End Mill

圆鼻刀 Round nose end mill

微小径圆鼻刀
Micro diameter round nose end mill
微小径深沟圆鼻刀
Micro diameter Deep groove round nose end mill
深沟圆鼻刀
Deep groove round nose end mill
4刃圆鼻刀
4F Round nose end mill

被加工材料适用表 Applicable Table of Processed Materials

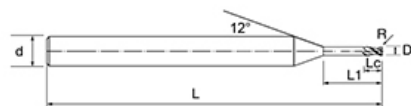
● 非常适合 Perfect ○ 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
								●

微小径深沟圆鼻铣刀

Micro diameter Deep groove round nose end mill

NNX-2RSP



Coating
DLC

0.2
μm

30°
helix

2

型号 No.	刃径 D	R角 R	刃长 Lc	有效长 L1	全长 L	柄径 d	刃数 F
NNX-2RSP-D0.2-L1	0.2	0.02	0.2	1	50	4	2
NNX-2RSP-D0.2-L1.5	0.2	0.02	0.2	1.5	50	4	2
NNX-2RSP-D0.2-L2	0.2	0.02	0.2	2	50	4	2
NNX-2RSP-D0.2-L3	0.2	0.02	0.2	3	50	4	2
NNX-2RSP-D0.2-L1	0.2	0.05	0.2	1	50	4	2
NNX-2RSP-D0.2-L1.5	0.2	0.05	0.2	1.5	50	4	2
NNX-2RSP-D0.2-L2	0.2	0.05	0.2	2	50	4	2
NNX-2RSP-D0.2-L3	0.2	0.05	0.2	3	50	4	2
NNX-2RSP-D0.3-L1	0.3	0.02	0.3	1	50	4	2
NNX-2RSP-D0.3-L1.5	0.3	0.02	0.3	1.5	50	4	2
NNX-2RSP-D0.3-L2	0.3	0.02	0.3	2	50	4	2
NNX-2RSP-D0.3-L3	0.3	0.02	0.3	3	50	4	2
NNX-2RSP-D0.3-L4	0.3	0.02	0.3	4	50	4	2
NNX-2RSP-D0.3-L1	0.3	0.05	0.3	1	50	4	2
NNX-2RSP-D0.3-L1.5	0.3	0.05	0.3	1.5	50	4	2
NNX-2RSP-D0.3-L2	0.3	0.05	0.3	2	50	4	2
NNX-2RSP-D0.3-L3	0.3	0.05	0.3	3	50	4	2
NNX-2RSP-D0.3-L4	0.3	0.05	0.3	4	50	4	2
NNX-2RSP-D0.4-L1	0.4	0.02	0.4	1	50	4	2
NNX-2RSP-D0.4-L1.5	0.4	0.02	0.4	1.5	50	4	2
NNX-2RSP-D0.4-L2	0.4	0.02	0.4	2	50	4	2
NNX-2RSP-D0.4-L3	0.4	0.02	0.4	3	50	4	2
NNX-2RSP-D0.4-L4	0.4	0.02	0.4	4	50	4	2
NNX-2RSP-D0.4-L5	0.4	0.02	0.4	5	50	4	2
NNX-2RSP-D0.4-L6	0.4	0.02	0.4	6	50	4	2
NNX-2RSP-D0.4-L1	0.4	0.05	0.4	1	50	4	2
NNX-2RSP-D0.4-L1.5	0.4	0.05	0.4	1.5	50	4	2
NNX-2RSP-D0.4-L2	0.4	0.05	0.4	2	50	4	2
NNX-2RSP-D0.4-L3	0.4	0.05	0.4	3	50	4	2
NNX-2RSP-D0.4-L4	0.4	0.05	0.4	4	50	4	2
NNX-2RSP-D0.4-L5	0.4	0.05	0.4	5	50	4	2
NNX-2RSP-D0.4-L6	0.4	0.05	0.4	6	50	4	2
NNX-2RSP-D0.4-L1	0.4	0.1	0.4	1	50	4	2
NNX-2RSP-D0.4-L1.5	0.4	0.1	0.4	1.5	50	4	2
NNX-2RSP-D0.4-L2	0.4	0.1	0.4	2	50	4	2
NNX-2RSP-D0.4-L3	0.4	0.1	0.4	3	50	4	2
NNX-2RSP-D0.4-L4	0.4	0.1	0.4	4	50	4	2
NNX-2RSP-D0.4-L5	0.4	0.1	0.4	5	50	4	2
NNX-2RSP-D0.4-L6	0.4	0.1	0.4	6	50	4	2
NNX-2RSP-D0.5-L2	0.5	0.02	0.5	2	50	4	2
NNX-2RSP-D0.5-L3	0.5	0.02	0.5	3	50	4	2
NNX-2RSP-D0.5-L4	0.5	0.02	0.5	4	50	4	2
NNX-2RSP-D0.5-L5	0.5	0.02	0.5	5	50	4	2

被加工材料适用表 Applicable Table of Processed Materials

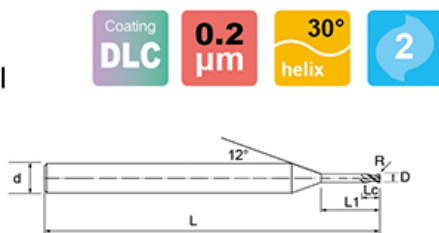
非常合适 Perfect 合适 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
								⊙

微小径深沟圆鼻铣刀

Micro diameter Deep groove round nose end mill

NNX-2RSP



型号 No.	刃径 D	R角 R	刃长 Lc	有效长 L1	全长 L	柄径 d	刃数 F
NNX-2RSP-D0.2-L1	0.5	0.02	0.5	6	50	4	2
NNX-2RSP-D0.2-L1.5	0.5	0.02	0.5	8	50	4	2
NNX-2RSP-D0.2-L2	0.5	0.02	0.5	10	50	4	2
NNX-2RSP-D0.2-L3	0.5	0.05	0.5	2	50	4	2
NNX-2RSP-D0.2-L1	0.5	0.05	0.5	3	50	4	2
NNX-2RSP-D0.2-L1.5	0.5	0.05	0.5	4	50	4	2
NNX-2RSP-D0.2-L2	0.5	0.05	0.5	5	50	4	2
NNX-2RSP-D0.2-L3	0.5	0.05	0.5	6	50	4	2
NNX-2RSP-D0.3-L1	0.5	0.05	0.5	8	50	4	2
NNX-2RSP-D0.3-L1.5	0.5	0.05	0.5	10	50	4	2
NNX-2RSP-D0.3-L2	0.5	0.1	0.5	2	50	4	2
NNX-2RSP-D0.3-L3	0.5	0.1	0.5	3	50	4	2
NNX-2RSP-D0.3-L4	0.5	0.1	0.5	4	50	4	2
NNX-2RSP-D0.3-L1	0.5	0.1	0.5	5	50	4	2
NNX-2RSP-D0.3-L1.5	0.5	0.1	0.5	6	50	4	2
NNX-2RSP-D0.3-L2	0.5	0.1	0.5	8	50	4	2
NNX-2RSP-D0.3-L3	0.5	0.1	0.5	10	50	4	2
NNX-2RSP-D0.3-L4	0.6	0.02	0.6	2	50	4	2
NNX-2RSP-D0.4-L1	0.6	0.02	0.6	3	50	4	2
NNX-2RSP-D0.4-L1.5	0.6	0.02	0.6	4	50	4	2
NNX-2RSP-D0.4-L2	0.6	0.02	0.6	5	50	4	2
NNX-2RSP-D0.4-L3	0.6	0.02	0.6	6	50	4	2
NNX-2RSP-D0.4-L4	0.6	0.02	0.6	8	50	4	2
NNX-2RSP-D0.4-L5	0.6	0.02	0.6	10	50	4	2
NNX-2RSP-D0.4-L6	0.6	0.05	0.6	2	50	4	2
NNX-2RSP-D0.4-L1	0.6	0.05	0.6	3	50	4	2
NNX-2RSP-D0.4-L1.5	0.6	0.05	0.6	4	50	4	2
NNX-2RSP-D0.4-L2	0.6	0.05	0.6	5	50	4	2
NNX-2RSP-D0.4-L3	0.6	0.05	0.6	6	50	4	2
NNX-2RSP-D0.4-L4	0.6	0.05	0.6	8	50	4	2
NNX-2RSP-D0.4-L5	0.6	0.05	0.6	10	50	4	2
NNX-2RSP-D0.4-L6	0.6	0.1	0.6	2	50	4	2
NNX-2RSP-D0.4-L1	0.6	0.1	0.6	3	50	4	2
NNX-2RSP-D0.4-L1.5	0.6	0.1	0.6	4	50	4	2
NNX-2RSP-D0.4-L2	0.6	0.1	0.6	5	50	4	2
NNX-2RSP-D0.4-L3	0.6	0.1	0.6	6	50	4	2
NNX-2RSP-D0.4-L4	0.6	0.1	0.6	8	50	4	2
NNX-2RSP-D0.4-L5	0.6	0.1	0.6	10	50	4	2
NNX-2RSP-D0.4-L6	0.6	0.2	0.6	2	50	4	2
NNX-2RSP-D0.5-L2	0.6	0.2	0.6	3	50	4	2
NNX-2RSP-D0.5-L3	0.6	0.2	0.6	4	50	4	2
NNX-2RSP-D0.5-L4	0.6	0.2	0.6	5	50	4	2
NNX-2RSP-D0.5-L5	0.6	0.2	0.6	6	50	4	2

平刀
End Mill

微小径平刀
Micro diameter end mill
微小径深沟平刀
Micro Diameter Deep Groove End Mill
深沟平刀
Deep groove end mill
4刃平刀
4F End Mill

球刀
Ball End Mill

微小径球刀
Micro Diameter Ball End Mill
微小径深沟球刀
Micro Diameter Deep Groove Ball End Mill
深沟球刀
Deep groove Ball end mill
2刃球刀
2F Ball End Mill

圆鼻刀
Round nose end mill

微小径圆鼻刀
Micro Diameter round nose end mill
微小径深沟圆鼻刀
Micro Diameter Deep Groove round nose end mill
深沟圆鼻刀
Deep groove round nose end mill
4刃圆鼻刀
4F Round nose end mill

被加工材料适用表 Applicable Table of Processed Materials

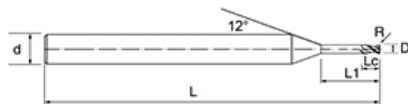
● 非常合适 Perfect ○ 合适 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
								○

微小径深沟圆鼻铣刀

Micro diameter Deep groove round nose end mill

NNX-2RSP



Coating
DLC

0.2
μm

30°
helix

2

型号	刃径	R角	刃长	有效长	全长	柄径	刃数
No.	D	R	Lc	L1	L	d	F
NNX-2RSP-D0.6-L8	0.6	0.2	0.6	8	50	4	2
NNX-2RSP-D0.6-L10	0.6	0.2	0.6	10	50	4	2
NNX-2RSP-D0.8-L2	0.8	0.02	0.8	2	50	4	2
NNX-2RSP-D0.8-L3	0.8	0.02	0.8	3	50	4	2
NNX-2RSP-D0.8-L4	0.8	0.02	0.8	4	50	4	2
NNX-2RSP-D0.8-L5	0.8	0.02	0.8	5	50	4	2
NNX-2RSP-D0.8-L6	0.8	0.02	0.8	6	50	4	2
NNX-2RSP-D0.8-L8	0.8	0.02	0.8	8	50	4	2
NNX-2RSP-D0.8-L10	0.8	0.02	0.8	10	50	4	2
NNX-2RSP-D0.8-L2	0.8	0.05	0.8	2	50	4	2
NNX-2RSP-D0.8-L3	0.8	0.05	0.8	3	50	4	2
NNX-2RSP-D0.8-L4	0.8	0.05	0.8	4	50	4	2
NNX-2RSP-D0.8-L5	0.8	0.05	0.8	5	50	4	2
NNX-2RSP-D0.8-L6	0.8	0.05	0.8	6	50	4	2
NNX-2RSP-D0.8-L8	0.8	0.05	0.8	8	50	4	2
NNX-2RSP-D0.8-L10	0.8	0.05	0.8	10	50	4	2
NNX-2RSP-D0.8-L2	0.8	0.1	0.8	2	50	4	2
NNX-2RSP-D0.8-L3	0.8	0.1	0.8	3	50	4	2
NNX-2RSP-D0.8-L4	0.8	0.1	0.8	4	50	4	2
NNX-2RSP-D0.8-L5	0.8	0.1	0.8	5	50	4	2
NNX-2RSP-D0.8-L6	0.8	0.1	0.8	6	50	4	2
NNX-2RSP-D0.8-L8	0.8	0.1	0.8	8	50	4	2
NNX-2RSP-D0.8-L10	0.8	0.1	0.8	10	50	4	2
NNX-2RSP-D0.8-L2	0.8	0.2	0.8	2	50	4	2
NNX-2RSP-D0.8-L3	0.8	0.2	0.8	3	50	4	2
NNX-2RSP-D0.8-L4	0.8	0.2	0.8	4	50	4	2
NNX-2RSP-D0.8-L5	0.8	0.2	0.8	5	50	4	2
NNX-2RSP-D0.8-L6	0.8	0.2	0.8	6	50	4	2
NNX-2RSP-D0.8-L8	0.8	0.2	0.8	8	50	4	2
NNX-2RSP-D0.8-L10	0.8	0.2	0.8	10	50	4	2

被加工材料适用表 Applicable Table of Processed Materials

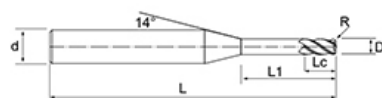
非常適合 Perfect 適合 suitable

铸铁、碳素钢	合金钢、工具钢	调质钢、预硬钢	热处理钢	热处理钢	不锈钢	铝合金	钛合金	铜、铜合金
Cast iron, carbon steel	Alloy steel, tool steel	Quenched and tempered steel Pre hardened steel	Heat-Treated Steel	Heat-Treated Steel	Stainless Steel	Aluminum Alloy	Titanium Alloy	Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FD4C	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
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深沟圆鼻铣刀

Deep groove round nose end mill

NNX-4RSP



Coating
DLC

0.2
μm

30°
helix

4

型号 No.	刃径 D	R角 R	刃长 Lc	有效长 L1	全长 L	柄径 d	刃数 F
NNX-4RSP-D1-L4	1	0.1	1.5	4	50	4	2
NNX-4RSP-D1-L6	1	0.1	1.5	6	50	4	2
NNX-4RSP-D1-L8	1	0.1	1.5	8	50	4	2
NNX-4RSP-D1-L10	1	0.1	1.5	10	50	4	2
NNX-4RSP-D1-L12	1	0.1	1.5	12	50	4	2
NNX-4RSP-D1-L14	1	0.1	1.5	14	50	4	2
NNX-4RSP-D1-L16	1	0.1	1.5	16	50	4	2
NNX-4RSP-D1-L18	1	0.1	1.5	18	50	4	2
NNX-4RSP-D1-L20	1	0.1	1.5	20	50	4	2
NNX-4RSP-D1-L4	1	0.2	1.5	4	50	4	2
NNX-4RSP-D1-L6	1	0.2	1.5	6	50	4	2
NNX-4RSP-D1-L8	1	0.2	1.5	8	50	4	2
NNX-4RSP-D1-L10	1	0.2	1.5	10	50	4	2
NNX-4RSP-D1-L12	1	0.2	1.5	12	50	4	2
NNX-4RSP-D1-L14	1	0.2	1.5	14	50	4	2
NNX-4RSP-D1-L16	1	0.2	1.5	16	50	4	2
NNX-4RSP-D1-L18	1	0.2	1.5	18	50	4	2
NNX-4RSP-D1-L20	1	0.2	1.5	20	50	4	2
NNX-4RSP-D1.5-L6	1.5	0.1	2.3	6	50	4	2
NNX-4RSP-D1.5-L8	1.5	0.1	2.3	8	50	4	2
NNX-4RSP-D1.5-L10	1.5	0.1	2.3	10	50	4	2
NNX-4RSP-D1.5-L12	1.5	0.1	2.3	12	50	4	2
NNX-4RSP-D1.5-L14	1.5	0.1	2.3	14	50	4	2
NNX-4RSP-D1.5-L16	1.5	0.1	2.3	16	50	4	2
NNX-4RSP-D1.5-L18	1.5	0.1	2.3	18	50	4	2
NNX-4RSP-D1.5-L20	1.5	0.1	2.3	20	50	4	2
NNX-4RSP-D1.5-L6	1.5	0.2	2.3	6	50	4	2
NNX-4RSP-D1.5-L8	1.5	0.2	2.3	8	50	4	2
NNX-4RSP-D1.5-L10	1.5	0.2	2.3	10	50	4	2
NNX-4RSP-D1.5-L12	1.5	0.2	2.3	12	50	4	2
NNX-4RSP-D1.5-L14	1.5	0.2	2.3	14	50	4	2
NNX-4RSP-D1.5-L16	1.5	0.2	2.3	16	50	4	2
NNX-4RSP-D1.5-L18	1.5	0.2	2.3	18	50	4	2
NNX-4RSP-D1.5-L20	1.5	0.2	2.3	20	50	4	2
NNX-4RSP-D2-L6	2	0.1	3	6	50	4	2
NNX-4RSP-D2-L8	2	0.1	3	8	50	4	2
NNX-4RSP-D2-L10	2	0.1	3	10	50	4	2
NNX-4RSP-D2-L12	2	0.1	3	12	50	4	2
NNX-4RSP-D2-L14	2	0.1	3	14	50	4	2
NNX-4RSP-D2-L16	2	0.1	3	16	50	4	2
NNX-4RSP-D2-L18	2	0.1	3	18	50	4	2
NNX-4RSP-D2-L20	2	0.1	3	20	50	4	2

平刀
End Mill

微小径平刀
Micro diameter end mill
微小径深沟平刀
Micro Diameter Deep Groove End Mill
深沟平刀
Deep groove end mill
4刃平刀
4F End Mill

球刀
Ball End Mill

微小径球刀
Micro Diameter Ball End Mill
微小径深沟球刀
Micro Diameter Deep Groove Ball End Mill
深沟球刀
Deep groove Ball end mill
2刃球刀
2F Ball End Mill

圆鼻刀
Round nose end mill

微小径圆鼻刀
Micro Diameter round nose end mill
微小径深沟圆鼻刀
Micro Diameter Deep Groove round nose end mill
深沟圆鼻刀
Deep groove round nose end mill
4刃圆鼻刀
4F Round nose end mill

被加工材料适用表 Applicable Table of Processed Materials

● 非常适合 Perfect ○ 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
								●

深沟圆鼻铣刀

Deep groove round nose end mill

NNX-4RSP



型号	刃径	R角	刃长	有效长	全长	柄径	刃数
No.	D	R	Lc	L1	L	d	F
平刀 End Mill							
NNX-4RSP-D2-L6	2	0.2	3	6	50	4	4
NNX-4RSP-D2-L8	2	0.2	3	8	50	4	4
NNX-4RSP-D2-L10	2	0.2	3	10	50	4	4
微小径平刀 Micro diameter end mill							
NNX-4RSP-D2-L12	2	0.2	3	12	50	4	4
NNX-4RSP-D2-L14	2	0.2	3	14	50	4	4
微小径深沟平刀 Micro diameter deep groove end mill							
NNX-4RSP-D2-L16	2	0.2	3	16	50	4	4
深沟平刀 Deep groove end mill							
NNX-4RSP-D2-L18	2	0.2	3	18	50	4	4
NNX-4RSP-D2-L20	2	0.2	3	20	50	4	4
4刃平刀 4F End Mill							
NNX-4RSP-D2-L6	2	0.5	3	6	50	4	4
NNX-4RSP-D2-L8	2	0.5	3	8	50	4	4
NNX-4RSP-D2-L10	2	0.5	3	10	50	4	4
球刀 Ball End Mill							
NNX-4RSP-D2-L12	2	0.5	3	12	50	4	4
NNX-4RSP-D2-L14	2	0.5	3	14	50	4	4
微小径球刀 Micro diameter ball end mill							
NNX-4RSP-D2-L16	2	0.5	3	16	50	4	4
NNX-4RSP-D2-L18	2	0.5	3	18	50	4	4
NNX-4RSP-D2-L20	2	0.5	3	20	50	4	4
深沟球刀 Deep groove ball end mill							
NNX-4RSP-D3-L10	3	0.1	4.5	10	50	4	4
NNX-4RSP-D3-L12	3	0.1	4.5	12	50	4	4
NNX-4RSP-D3-L14	3	0.1	4.5	14	50	4	4
NNX-4RSP-D3-L16	3	0.1	4.5	16	50	4	4
NNX-4RSP-D3-L18	3	0.1	4.5	18	50	4	4
NNX-4RSP-D3-L20	3	0.1	4.5	20	50	4	4
圆鼻刀 Round nose end mill							
NNX-4RSP-D3-L10	3	0.2	4.5	10	50	4	4
NNX-4RSP-D3-L12	3	0.2	4.5	12	50	4	4
微小径圆鼻刀 Micro diameter round nose end mill							
NNX-4RSP-D3-L14	3	0.2	4.5	14	50	4	4
NNX-4RSP-D3-L16	3	0.2	4.5	16	50	4	4
微小径深沟圆鼻刀 Micro diameter deep groove round nose end mill							
NNX-4RSP-D3-L18	3	0.2	4.5	18	50	4	4
深沟圆鼻刀 Deep groove round nose end mill							
NNX-4RSP-D3-L20	3	0.2	4.5	20	50	4	4
4刃圆鼻刀 4F Round nose end mill							
NNX-4RSP-D3-L10	3	0.5	4.5	10	50	4	4
NNX-4RSP-D3-L12	3	0.5	4.5	12	50	4	4
NNX-4RSP-D3-L14	3	0.5	4.5	14	50	4	4
NNX-4RSP-D3-L16	3	0.5	4.5	16	50	4	4
NNX-4RSP-D3-L18	3	0.5	4.5	18	50	4	4
NNX-4RSP-D3-L20	3	0.5	4.5	20	50	4	4
NNX-4RSP-D3-L12	3	0.2	4.5	12	60	6	4
NNX-4RSP-D3-L14	3	0.2	4.5	14	60	6	4
NNX-4RSP-D3-L16	3	0.2	4.5	16	60	6	4
NNX-4RSP-D3-L18	3	0.2	4.5	18	60	6	4
NNX-4RSP-D3-L20	3	0.2	4.5	20	60	6	4
NNX-4RSP-D3-L25	3	0.2	4.5	25	60	6	4

被加工材料适用表 Applicable Table of Processed Materials

● 非常适合 Perfect ○ 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
								○

深沟圆鼻铣刀

Deep groove round nose end mill

NNX-4RSP



Coating
DLC

0.2
μm

30°
helix

4

型号 No.	刃径 D	R角 R	刃长 Lc	有效长 L1	全长 L	柄径 d	刃数 F
NNX-4RSP-D3-L12	3	0.5	4.5	12	60	6	4
NNX-4RSP-D3-L14	3	0.5	4.5	14	60	6	4
NNX-4RSP-D3-L16	3	0.5	4.5	16	60	6	4
NNX-4RSP-D3-L18	3	0.5	4.5	18	60	6	4
NNX-4RSP-D3-L20	3	0.5	4.5	20	60	6	4
NNX-4RSP-D3-L25	3	0.5	4.5	25	60	6	4
NNX-4RSP-D3-L12	3	0.2	4.5	12	75	6	4
NNX-4RSP-D3-L14	3	0.2	4.5	14	75	6	4
NNX-4RSP-D3-L16	3	0.2	4.5	16	75	6	4
NNX-4RSP-D3-L18	3	0.2	4.5	18	75	6	4
NNX-4RSP-D3-L20	3	0.2	4.5	20	75	6	4
NNX-4RSP-D3-L25	3	0.2	4.5	25	75	6	4
NNX-4RSP-D3-L30	3	0.2	4.5	30	75	6	4
NNX-4RSP-D3-L12	3	0.5	4.5	12	75	6	4
NNX-4RSP-D3-L14	3	0.5	4.5	14	75	6	4
NNX-4RSP-D3-L16	3	0.5	4.5	16	75	6	4
NNX-4RSP-D3-L18	3	0.5	4.5	18	75	6	4
NNX-4RSP-D3-L20	3	0.5	4.5	20	75	6	4
NNX-4RSP-D3-L25	3	0.5	4.5	25	75	6	4
NNX-4RSP-D3-L30	3	0.5	4.5	30	75	6	4
NNX-4RSP-D4-L16	4	0.2	6	16	60	6	4
NNX-4RSP-D4-L20	4	0.2	6	20	60	6	4
NNX-4RSP-D4-L25	4	0.2	6	25	60	6	4
NNX-4RSP-D4-L16	4	0.5	6	16	60	6	4
NNX-4RSP-D4-L20	4	0.5	6	20	60	6	4
NNX-4RSP-D4-L25	4	0.5	6	25	60	6	4
NNX-4RSP-D4-L16	4	0.2	6	16	75	6	4
NNX-4RSP-D4-L20	4	0.2	6	20	75	6	4
NNX-4RSP-D4-L25	4	0.2	6	25	75	6	4
NNX-4RSP-D4-L30	4	0.2	6	30	75	6	4
NNX-4RSP-D4-L35	4	0.2	6	35	75	6	4
NNX-4RSP-D4-L16	4	0.5	6	16	75	6	4
NNX-4RSP-D4-L20	4	0.5	6	20	75	6	4
NNX-4RSP-D4-L25	4	0.5	6	25	75	6	4
NNX-4RSP-D4-L30	4	0.5	6	30	75	6	4
NNX-4RSP-D4-L35	4	0.5	6	35	75	6	4

平刀
End Mill

微小径平刀
Micro diameter end mill
微小径深沟平刀
Micro Diameter Deep Groove End Mill
深沟平刀
Deep groove end mill
4刃平刀
4F End Mill

球刀
Ball End Mill

微小径球刀
Micro Diameter Ball End Mill
微小径深沟球刀
Micro Diameter Deep Groove Ball End Mill
深沟球刀
Deep groove Ball end mill
2刃球刀
2F Ball End Mill

圆鼻刀
Round nose end mill

微小径圆鼻刀
Micro Diameter round nose end mill
微小径深沟圆鼻刀
Micro Diameter Deep Groove round nose end mill
深沟圆鼻刀
Deep groove round nose end mill
4刃圆鼻刀
4F Round nose end mill

被加工材料适用表 Applicable Table of Processed Materials

● 非常适合 Perfect ○ 适合 suitable

铸铁、碳素钢 Cast iron, carbon steel	合金钢、工具钢 Alloy steel, tool steel	调质钢、预硬钢 Quenched and tempered steel Pre hardened steel	热处理钢 Heat-Treated Steel	热处理钢 Heat-Treated Steel	不锈钢 Stainless Steel	铝合金 Aluminum Alloy	钛合金 Titanium Alloy	铜、铜合金 Copper, copper alloy
(~22HRC) S50C/HT250/Q235	(25~35HRC) P20/H13/D2	(35~45HRC) NAK80/718H/FDAC	(45~55HRC) SKD61/1.2343ESR	(55~65HRC) SKD11/SKH51	(~30HRC) SUS304/316/316L	(~150HB) 5052/6061/7075	(~32HRC) Ti-6Al-4V	C11000 B152C11000
								○