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HUANA TOOLS
ACHIEVE OPTIMUM TOOL LIFE

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张家港保税区华纳工具有限公司
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HUANA TOOLS

华纳工具

MATERIALS



Micro Grain Carbide



UltraMicro Grain Carbide

COATING



Yellow Coating

Smoke Grey Coating



Bronze Coating

Blue Coating



Colorful Coating

BALL RADIUS TOLERANCE



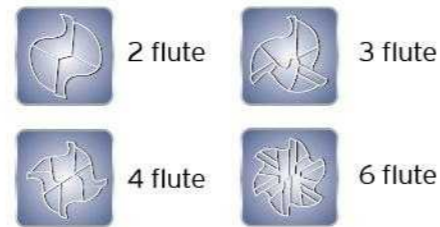
CORNER RADIUS TOLERANCE



HELIX ANGLE



NUMBER OF FLUTES



WORKING HARDNESS



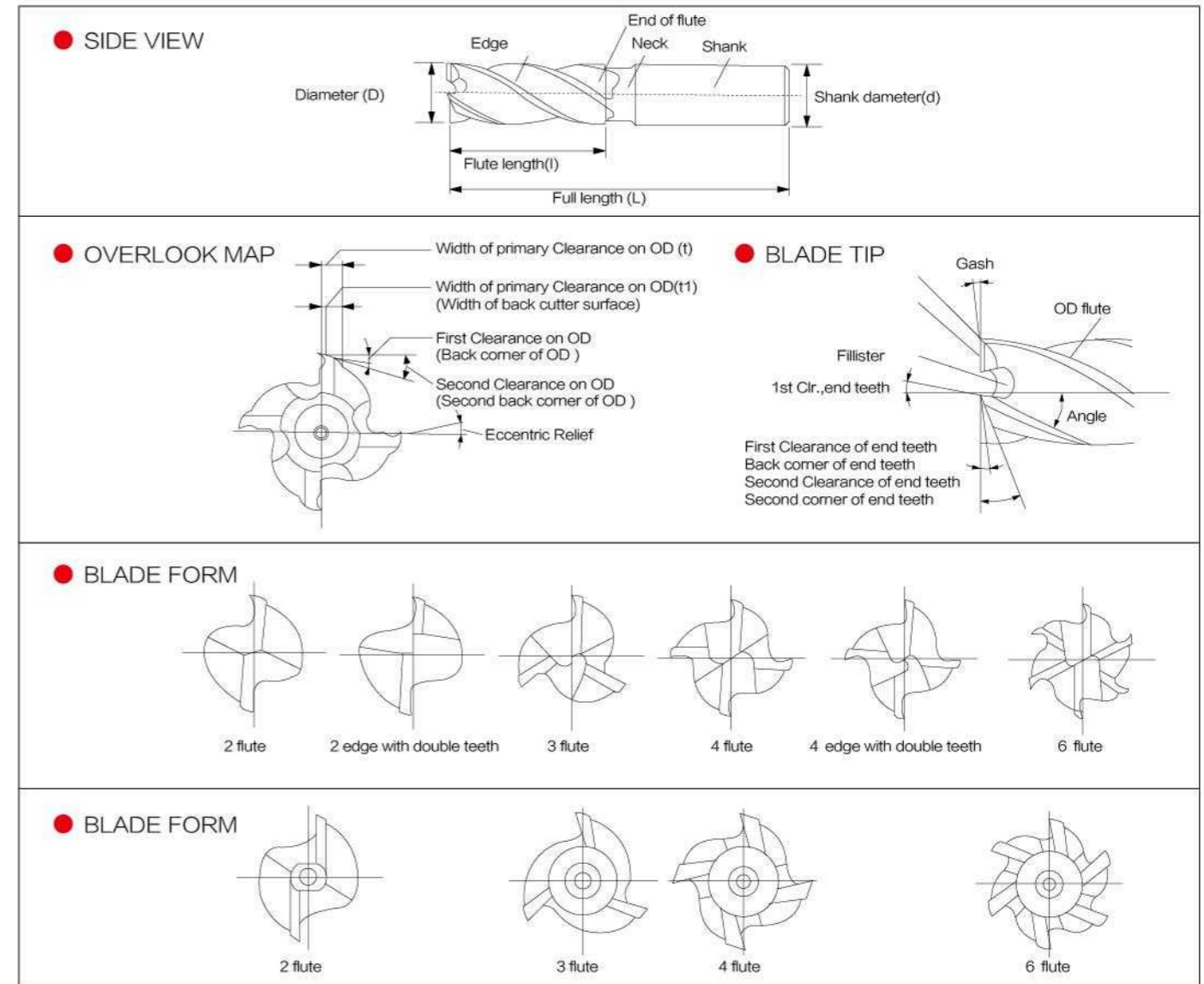
MACHINING DIRECTOR



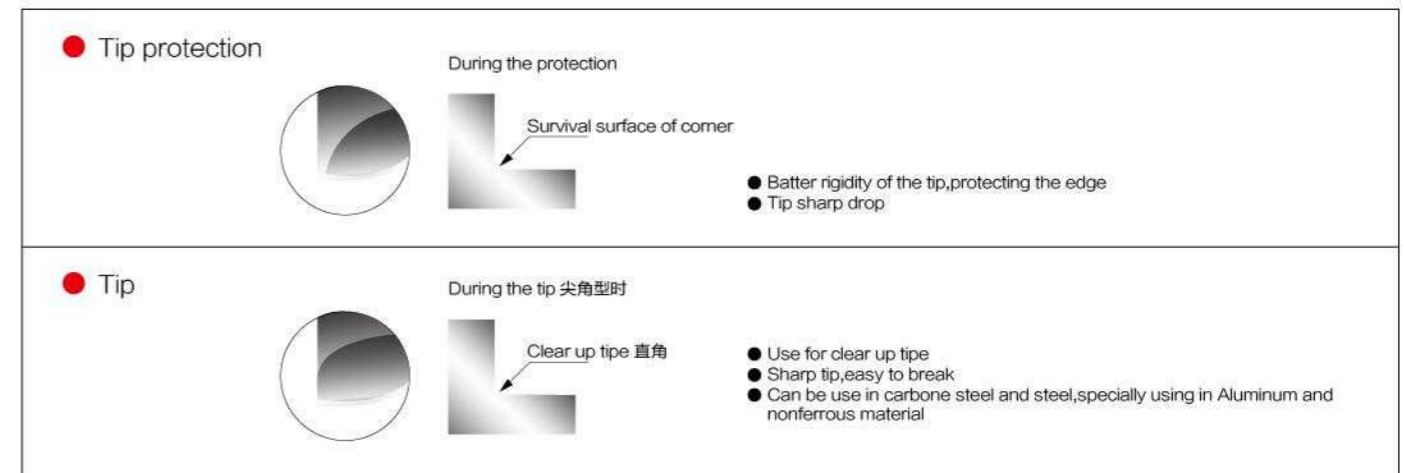
SHANK TYPE



Detail of the end mill



Shape in end teeth of the end mill



End mill working condition calculation method

● Cutting speed (line speed)

Calculation VC

The distance of 1 points on the circumferential surface of a vertical milling cutter moving in every minute can be obtained by the following formula

$$V = \frac{\pi \times D \times N}{1000}$$

V=Cutting speed(m/min)
 $\pi=3.14$
 D=Diameter L(mm)
 N=Rotating speed(mm⁻¹)

● Rotation speed

Calculation of Rotation speed

The rotation number of the mechanical spindle of a vertical milling cutter in every minute can be obtained by the following formula

$$N = \frac{1000 \times V}{\pi \times D}$$

N=Rotating speed(mm⁻¹)
 V=Cutting speed(m/min)
 $\pi=3.14$
 D=Diameter L(mm)

● Feed rate

Calculation of feed rate

The feed rate of the worktable in every minute can be obtained by the following formula

$$F = N \times Z \times f$$

F=Feed rate(mm/min)
 N=Rotating speed(mm⁻¹)
 Z=Number of flute
 f=Feed rate of the flute(mm/1blade)

● Feed for teeth

Calculation of the Feed of teeth

The distance of 1 points on the circumferential surface of a vertical milling cutter moving in every minute can be obtained by the following formula

$$f = \frac{F}{N \times Z}$$

f=Feed rate of the flute(mm/1blade)
 F=Feed rate(mm/min)
 N=Rotating speed(mm⁻¹)
 Z=Number of flute

● Working time

Calculation of the Working time

The time required to cut the material of a workpiece can be obtained by the following formula

$$T_c = \frac{L}{F}$$

Tc=Working time (min)
 L=Total working length
 (length of working material + D of vertical milling cutter blade)
 F=Feed rate(mm/min)

Failure analyzed and solvent

Item	Fault	Reason	Solution	
Precision of cutting surface	Rough surface	Vibration	<ul style="list-style-type: none"> ▲ Fix the working material as well as possible ▲ Adjust the failed part of machine ▲ Reduce rotating speed ▲ Downcut ▲ Tools minimum length out of fixture 	
		The heterogeneity in hardness	▲ Measuring the hardness of working material	
		The tip was unsuitable	<ul style="list-style-type: none"> ▲ Tool rake angle and clearance angle ▲ Improve cutting roughness 	
		Chip lump and fuse attach material	<ul style="list-style-type: none"> ▲ Remove chip lump and clearance angle ▲ Improve cutting roughness 	
		Passivation of cutting edge	▲ Determine the adequate time to regrinding	
		Cutting rate(speed)too fast	▲ Reduce the cutting rate(speed)	
	Buckling cracking of the of machined surface	Misfit cutting fluids or deficient of cutting fluids	▲ Change cutting fluids	
		Unbalance friction of cutting edge	▲ Regrinding ro reduce friction	
		Fuse attach material on the cutting edge	<ul style="list-style-type: none"> ▲ Remove fuse attach material ▲ Change cutting fluids 	
	The corrugation of machined surface	Cutting edge deformation	▲ To pay attention to use and safekeeping	
		Lesser cutting flute	▲ Increase the number of flutes from 2 flutes to 4 flutes and then 6 flutes	
		Bigger cutting depth and feed rate	▲ To reduce the feed rate of machine	
Shape precision	Perpendicularity	A large helix angle	▲ Decrease the helix angle	
		Cutting depth and feed rate is too large	▲ Reduce the depth of cutting and feed rate	
		Tool stretches out over longer	▲ Use the end mill stretches out shortest from chuck	
End mill life	Shorter life for regrinding end mill	Perpendicularity of holder not resch	▲ Improve the perpendicularity of holder	
		Work material hardness too high	<ul style="list-style-type: none"> ▲ Improve to suitable hardness by heat treatment process ▲ Reduce the feed rate for high hardness work material or change more hardness tool 	
		Unsuitable feed rate	▲ Adjust to suitable feed rate	
	Huge friction of cutting edge	Chip lump and fuse attach material	<ul style="list-style-type: none"> ▲ Remove chip lump and fuse attach material ▲ Use suitable cutting liquid 	
		Unsuitable cutting liquid	<ul style="list-style-type: none"> ▲ Use suitable cutting liquid ▲ Use enough cutting liquid 	
		The fault of work material	<ul style="list-style-type: none"> ▲ Uchieve the average of inside form of work material ▲ Clear up unbalance hardness 	
		Unsuitable edge angle	▲ Regrind to suitable angle	
		End mill cutting function go down	▲ Surface treatment	
	Flute damage	Unsuitable cutting liquid	<ul style="list-style-type: none"> ▲ Adjust to suitable cutting liquid ▲ Adjust offer method of liquid 	
		Unsuitable regrind schedule	▲ Manage the regrind schedule	
		Vibration	▲ Strengthen the install tool of work material	
	Break	Cutter become dull	The fault of work material	<ul style="list-style-type: none"> ▲ Achieve the average of working material structure ▲ Use suitable hardness,clear up unbalance hardness ▲ Check the material may mix other hardness substance or gravel
			Unsuitable feed rate	▲ Reduce the feed rate
			Cutting liquid go off	▲ Change the cutting liquid
			Work material unsuitable fixed	<ul style="list-style-type: none"> ▲ Indeed fix the work material ▲ Improve install tool
Chip jam	End mill with uncorrect operation	▲ Be careful of keep and operate		
	Work material unsuitable fixed	▲ Indeed fix the work material		
	Work material unsuitable fixed	▲ Improve install tool		

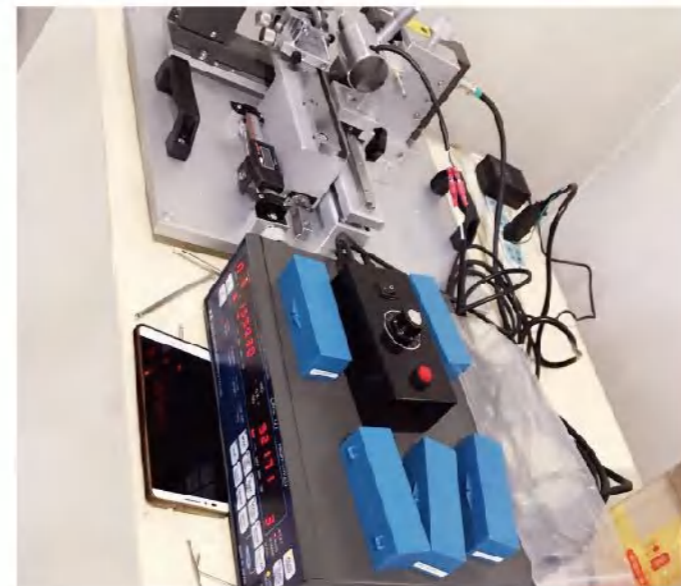
加工设备展示

PROCESSING EQUIPMENT DISPLAY



检测设备展示

DETECTION EQUIPMENT DISPLAY



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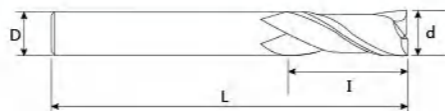
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HN55-S2 2刃平头铣刀

2Flutes End Mill



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN55-S2-010	1	3	4	50	HN55-S2-051	5	13	6	50
HN55-S2-015	1.5	4	4	50	HN55-S2-060	6	15	6	50
HN55-S2-020	2	5	4	50	HN55-S2-080	8	20	8	60
HN55-S2-025	2.5	7	4	50	HN55-S2-100	10	25	10	75
HN55-S2-030	3	8	3	50	HN55-S2-120	12	30	12	75
HN55-S2-031	3	8	4	50	HN55-S2-140	14	45	14	100
HN55-S2-035	3.5	9	4	50	HN55-S2-160	16	45	16	100
HN55-S2-040	4	10	4	50	HN55-S2-180	18	45	18	100
HN55-S2-050	5	13	5	50	HN55-S2-200	20	45	20	100

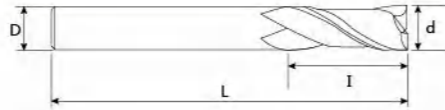
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	●	○		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-S2 2刃平刀 加长型

2Flutes End Mill Long Length



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN55-S2-030L	3	12	3	75	HN55-S2-120L	12	45	12	100
HN55-S2-040L	4	16	4	75	HN55-S2-140L	14	60	14	150
HN55-S2-050L	5	20	5	75	HN55-S2-160L	16	65	16	150
HN55-S2-060L	6	24	6	75	HN55-S2-180L	18	70	18	150
HN55-S2-080L	8	30	8	75	HN55-S2-200L	20	70	20	150
HN55-S2-100L	10	40	10	100					

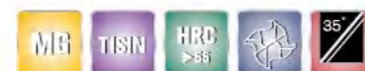
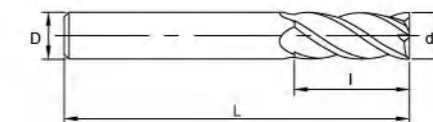
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	●	○		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-S4 4刃平刀

4Flutes End Mill



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN55-S4-010	1	3	4	50	HN55-S4-050	5	13	5	50
HN55-S4-015	1.5	4	4	50	HN55-S4-051	5	13	6	50
HN55-S4-020	2	5	4	50	HN55-S4-060	6	15	6	50
HN55-S4-021	2	6	6	50	HN55-S4-071	7	20	8	60
HN55-S4-025	2.5	7	4	50	HN55-S4-080	8	20	8	60
HN55-S4-030	3	8	3	50	HN55-S4-100	10	25	10	75
HN55-S4-031	3	8	4	50	HN55-S4-120	12	30	12	75
HN55-S4-032	3	8	6	50	HN55-S4-140	14	45	14	100
HN55-S4-035	3.5	9	4	50	HN55-S4-160	16	45	16	100
HN55-S4-040	4	10	4	50	HN55-S4-180	18	45	18	100
HN55-S4-041	4	10	6	50	HN55-S4-200	20	45	20	100

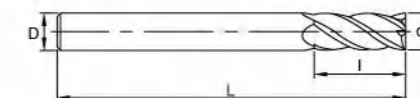
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	●	○		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-S4 4刃平刀 加长型

4Flutes End Mill Long Length



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN55-S4-030L	3	12	3	75	HN55-S4-100L	10	40	10	100
HN55-S4-040L	4	16	4	75	HN55-S4-120L	12	45	12	100
HN55-S4-050L	5	20	5	75	HN55-S4-140L	14	60	14	150
HN55-S4-060L	6	24	6	75	HN55-S4-160L	16	65	16	150
HN55-S4-080L	8	30	8	75	HN55-S4-180L	18	70	18	150
					HN55-S4-200L	20	70	20	150

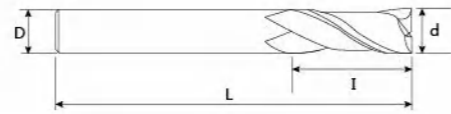
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	●	○		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-S2 2刃平刀 超长型

2Flutes End Mill OverLong Length



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN55-S2-030XL	3	15	3	100	HN55-S2-100XL	10	50	10	150
HN55-S2-040XL	4	20	4	100	HN55-S2-120XL	12	50	12	150
HN55-S2-050XL	5	25	5	100	HN55-S2-060XXL	6	35	6	150
HN55-S2-060XL	6	30	6	100	HN55-S2-080XXL	8	40	8	150
HN55-S2-080XL	8	30	8	100					

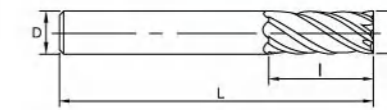
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	●	○		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-S6 6刃平刀 标准型

6 Flutes End Mill



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN55-S6-060	6	15	6	50	HN55-S6-120	12	30	12	75
HN55-S6-080	8	20	8	60	HN55-S6-120L	12	45	12	100
HN55-S6-100	10	25	10	75	HN55-S6-160	16	45	16	100
HN55-S6-100L	10	40	10	100	HN55-S6-200	20	45	20	100

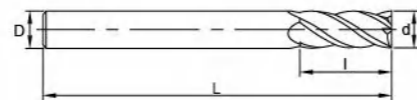
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	●	○		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-S4 4刃平刀 超长型

4Flutes End Mill OverLong Length



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN55-S4-030XL	3	15	3	100	HN55-S4-160XL	16	70	16	200
HN55-S4-040XL	4	20	4	100	HN55-S4-200XL	20	70	20	200
HN55-S4-050XL	5	25	5	100	HN55-S4-040XXL	4	20	4	150
HN55-S4-060XL	6	30	6	100	HN55-S4-060XXL	6	35	6	150
HN55-S4-080XL	8	35	8	100	HN55-S4-080XXL	8	40	8	150
HN55-S4-100XL	10	50	10	150	HN55-S4-100XXL	10	55	10	200
HN55-S4-120XL	12	50	12	150	HN55-S4-120XXL	12	60	12	200
HN55-S4-140XL	14	70	14	200	HN55-S4-080XXXL	8	50	8	200

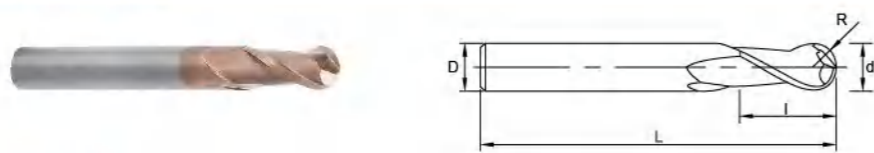
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	●	○		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-B2 2刃球头铣刀

2Flutes Ball Nose End Mill



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN55-B2-010	0.5	1	2	4	50	HN55-B2-050	2.5	5	10	5	50
HN55-B2-015	0.75	1.5	3	4	50	HN55-B2-051	2.5	5	10	6	50
HN55-B2-020	1	2	4	4	50	HN55-B2-060	3	6	12	6	50
HN55-B2-025	1.25	2.5	5	4	50	HN55-B2-080	4	8	16	8	60
HN55-B2-030	1.5	3	6	3	50	HN55-B2-100	5	10	20	10	75
HN55-B2-031	1.5	3	6	4	50	HN55-B2-120	6	12	24	12	75
HN55-B2-032	1.5	3	6	6	50	HN55-B2-140	7	14	28	14	100
HN55-B2-035	1.75	3.5	7	4	50	HN55-B2-160	8	16	32	16	100
HN55-B2-040	2	4	8	4	50	HN55-B2-180	9	18	36	18	100
HN55-B2-041	2	4	8	6	50	HN55-B2-200	10	20	40	20	100

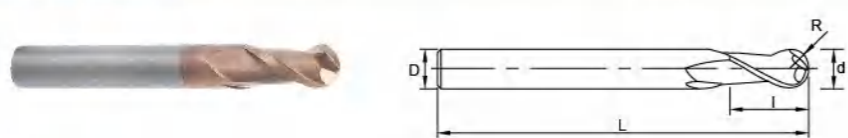
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	●	○		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-B2 2刃球头铣刀 加长型

2Flutes Ball Nose End Mill Long Length



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN55-B2-030L	1.5	3	6	3	75	HN55-B2-060L	3	6	12	6	75
HN55-B2-040L	2	4	8	4	75	HN55-B2-080L	4	8	16	8	75
HN55-B2-050L	2.5	5	10	5	75	HN55-B2-100L	5	10	20	10	100
						HN55-B2-120L	6	12	24	12	100

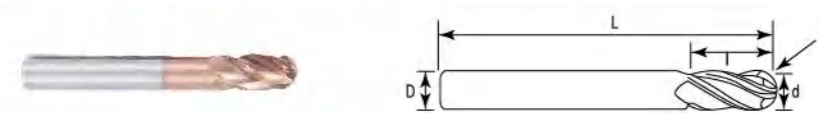
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	●	○		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-B4 4刃球头铣刀

4Flutes Ball Nose End Mill



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN55-B4-010	0.5	1	2	4	50	HN55-B4-051	2.5	5	10	6	6
HN55-B4-015	0.75	1.5	3	4	50	HN55-B4-060	3	6	12	6	6
HN55-B4-020	1	2	4	4	50	HN55-B4-080	4	8	16	8	8
HN55-B4-025	1.25	2.5	5	4	50	HN55-B4-100	5	10	20	10	10
HN55-B4-030	1.5	3	6	3	50	HN55-B4-120	6	12	24	12	12
HN55-B4-031	1.5	3	6	4	50	HN55-B4-140	7	14	28	14	14
HN55-B4-035	1.75	3.5	7	4	50	HN55-B4-160	8	16	32	16	16
HN55-B4-040	2	4	8	4	50	HN55-B4-180	9	18	36	18	18
HN55-B4-050	2.5	5	10	5	50	HN55-B4-200	10	20	40	20	20

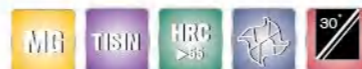
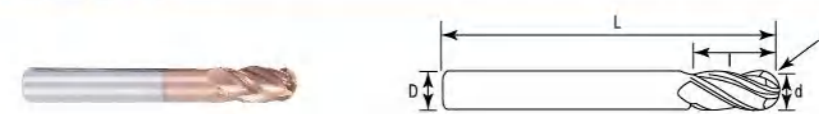
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	●	○		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-B4 4刃球头铣刀 加长型

4Flutes Ball Nose End Mill Long Length



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN55-B4-030L	1.5	3	6	3	75	HN55-B4-120L	6	12	24	12	100
HN55-B4-040L	2	4	8	4	75	HN55-B4-140L	7	14	28	14	150
HN55-B4-050L	2.5	5	10	5	75	HN55-B4-160L	8	16	32	16	150
HN55-B4-060L	3	6	12	6	75	HN55-B4-180L	9	18	36	18	150
HN55-B4-080L	4	8	16	8	75	HN55-B4-200L	10	20	40	20	150
HN55-B4-100L	5	10	20	10	100						

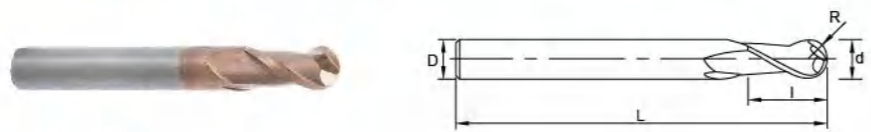
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	●	○		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-B2 2刃球头铣刀 超长型

2Flutes Ball Nose End Mill OverLong Length



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN55-B2-030XL	1.5	3	6	3	100
HN55-B2-040XL	2	4	8	4	100
HN55-B2-050XL	2.5	5	10	5	100
HN55-B2-060XL	3	6	12	6	100
HN55-B2-080XL	4	8	16	8	100
HN55-B2-100XL	5	10	20	10	150
HN55-B2-120XL	6	12	24	12	150

型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN55-B2-140L	7	14	28	14	150
HN55-B2-160L	8	16	32	16	150
HN55-B2-180L	9	18	36	18	150
HN55-B2-200L	10	20	40	20	150
HN55-B2-060XXL	3	6	12	6	150
HN55-B2-080XXL	4	8	16	8	150

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	●	○		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-B4 4刃球头铣刀 超长型

4Flutes Ball Nose End Mill OverLong Length



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN55-B4-030XL	1.5	3	6	3	100
HN55-B4-040XL	2	4	8	4	100
HN55-B4-050XL	2.5	5	10	5	100
HN55-B4-060XL	3	6	12	6	100
HN55-B4-080XL	4	8	16	8	100

型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN55-B4-100XL	5	10	20	10	150
HN55-B4-120XL	6	12	24	12	150
HN55-B4-060XXL	3	6	12	6	150
HN55-B4-080XXL	4	8	16	8	150

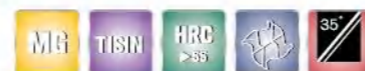
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	●	○		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-C4 4刃圆鼻铣刀

4Flutes Corner Radius



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN55-C4-0102	0.2	1	3	4	50
HN55-C4-01502	0.2	1.5	4	4	50
HN55-C4-01503	0.3	1.5	4	4	50
HN55-C4-0202	0.2	2	5	4	50
HN55-C4-0205	0.5	2	5	4	50
HN55-C4-0302	0.2	3	8	3	50
HN55-C4-0305	0.5	3	8	3	50
HN55-C4-0310	1	3	8	3	50
HN55-C4-0302X	0.2	3	8	4	50
HN55-C4-0303	0.3	3	8	4	50
HN55-C4-0305X	0.5	3	8	4	50
HN55-C4-0310X	1	3	8	4	50
HN55-C4-0402	0.2	4	10	4	50
HN55-C4-0403	0.3	4	10	4	50
HN55-C4-0405	0.5	4	10	4	50
HN55-C4-0410	1	4	10	4	50
HN55-C4-0505	0.5	5	13	5	50
HN55-C4-0510	1	5	13	5	50
HN55-C4-0515	1.5	5	13	5	50
HN55-C4-0605	0.5	6	15	6	50
HN55-C4-0610	1	6	15	6	50
HN55-C4-0615	1.5	6	15	6	50
HN55-C4-0620	2	6	15	6	50
HN55-C4-0625	2.5	6	15	6	50
HN55-C4-0805	0.5	8	20	8	60

型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN55-C4-0810	1	18	20	8	60
HN55-C4-0815	1.5	8	20	8	60
HN55-C4-0820	2	8	20	8	60
HN55-C4-0825	2.5	8	20	8	60
HN55-C4-1005	0.5	10	25	10	75
HN55-C4-1010	1	10	25	10	75
HN55-C4-1015	1.5	10	25	10	75
HN55-C4-1020	2	10	25	10	75
HN55-C4-1025	2.5	10	25	10	75
HN55-C4-1205	0.5	12	30	12	75
HN55-C4-1210	1	12	30	12	75
HN55-C4-1215	1.5	12	30	12	75
HN55-C4-1220	2	12	30	12	75
HN55-C4-1225	2.5	12	30	12	75
HN55-C4-1405	0.5	14	45	14	100
HN55-C4-1410	1	14	45	14	100
HN55-C4-1605	0.5	16	45	16	100
HN55-C4-1610	1	16	45	16	100
HN55-C4-1615	1.5	16	45	16	100
HN55-C4-1620	2	16	45	16	100
HN55-C4-1625	2.5	16	45	16	100
HN55-C4-1805	0.5	18	45	18	100
HN55-C4-1810	1	18	45	18	100
HN55-C4-2005	0.5	20	45	20	100
HN55-C4-2010	1	20	45	20	100

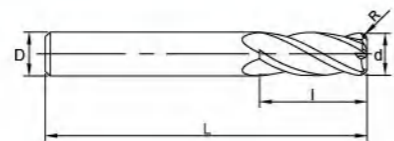
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	●	○		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-C4 4刃圆鼻铣刀 加长型

4Flutes Corner Radius Long Length



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN55-C4-0305L	0.5	3	12	3	75	HN55-C4-0610L	1	6	24	6	75
HN55-C4-0310L	1	3	12	3	75	HN55-C4-0805L	0.5	8	30	8	75
HN55-C4-0405L	0.5	4	16	4	75	HN55-C4-0810L	1	8	30	8	75
HN55-C4-0410L	1	4	16	4	75	HN55-C4-1005L	0.5	10	40	10	100
HN55-C4-0505L	0.5	5	20	5	75	HN55-C4-1010L	1	10	40	10	100
HN55-C4-0510L	1	5	20	5	75	HN55-C4-1205L	0.5	12	45	12	100
HN55-C4-0605L	0.5	6	24	6	75	HN55-C4-1210L	1	12	45	12	100

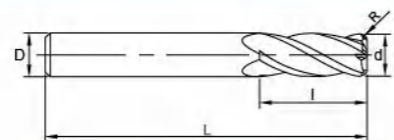
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	●	○		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-C4 4刃圆鼻铣刀 超长型

4Flutes Corner Radius OverLong Length



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN55-C4-0305XL	0.5	3	16	3	100	HN55-C4-0610XL	1	6	30	6	100
HN55-C4-0310XL	1	3	16	3	100	HN55-C4-0805XL	0.5	8	35	8	100
HN55-C4-0405XL	0.5	4	20	4	100	HN55-C4-0810XL	1	8	35	8	100
HN55-C4-0410XL	1	4	20	4	100	HN55-C4-1005XL	0.5	10	50	10	150
HN55-C4-0505XL	0.5	5	25	5	100	HN55-C4-1010XL	1	10	50	10	150
HN55-C4-0510XL	1	5	25	5	100	HN55-C4-1205XL	0.5	12	50	12	150
HN55-C4-0605XL	0.5	6	30	6	100	HN55-C4-1210XL	1	12	50	12	150

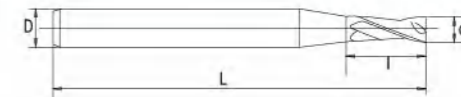
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	●	○		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-MSS2 2刃 钢用平头小径刀

2Flutes Mirco Square End Mill For Steel



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN55-MSS2-002	0.2	0.4	4	50	HN55-MSS2-006	0.6	1.2	4	50
HN55-MSS2-003	0.3	0.6	4	50	HN55-MSS2-007	0.7	1.4	4	50
HN55-MSS2-004	0.4	0.8	4	50	HN55-MSS2-008	0.8	1.6	4	50
HN55-MSS2-005	0.5	1	4	50	HN55-MSS2-009	0.9	1.8	4	50
HN55-MSS2-005XXL	0.5	1	4	100					

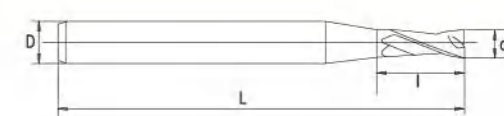
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	●	○		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-MSA2 2刃 铝用平头小径刀

2Flutes Mirco Square End Mill For Aluminum



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN55-MSA2-002	0.2	0.4	4	50	HN55-MSA2-006	0.6	1.2	4	50
HN55-MSA2-003	0.3	0.6	4	50	HN55-MSA2-007	0.7	1.4	4	50
HN55-MSA2-004	0.4	0.8	4	50	HN55-MSA2-008	0.8	1.6	4	50
HN55-MSA2-005	0.5	1	4	50	HN55-MSA2-009	0.9	1.8	4	50

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC		○	●		

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-MBS2 2刃钢用球头小径刀

2Flutes Mirco Ball Nose End Mill For Steel



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN55-MBS2-002	0.1	0.2	0.4	4	50	HN55-MBS2-006	0.3	0.6	1.2	4	50
HN55-MBS2-003	0.15	0.3	0.6	4	50	HN55-MBS2-007	0.35	0.7	1.4	4	50
HN55-MBS2-004	0.2	0.4	0.8	4	50	HN55-MBS2-008	0.4	0.8	1.6	4	50
HN55-MBS2-005	0.25	0.5	1	4	50	HN55-MBS2-009	0.45	0.9	1.8	4	50

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC	○				
●	●	○		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-MBA2 2刃铝用球头小径

2Flutes Mirco Ball Nose End Mill For Aluminum



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN55-MBA2-002	0.1	0.2	0.4	4	50	HN55-MBA2-006	0.3	0.6	1.2	4	50
HN55-MBA2-003	0.15	0.3	0.6	4	50	HN55-MBA2-007	0.35	0.7	1.4	4	50
HN55-MBA2-004	0.2	0.4	0.8	4	50	HN55-MBA2-008	0.4	0.8	1.6	4	50
HN55-MBA2-005	0.25	0.5	1	4	50	HN55-MBA2-009	0.45	0.9	1.8	4	50

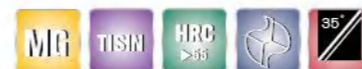
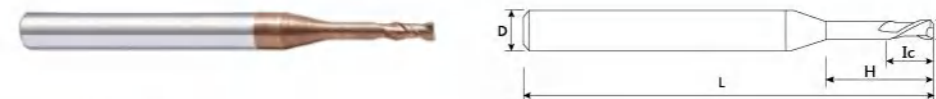
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC			●		
					○	●		

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-LNS2 2刃深沟平刀

2Flutes Long Neck Square End Mill



型号 Order NO.	刃径 d	刃长 lc	有效刃长 H	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 lc	有效刃长 H	柄径 D	全长 L
HN55-LNS2-01006	1	3	6	4	50	HN55-LNS2-02008	2	6	8	4	50
HN55-LNS2-01008	1	3	8	4	50	HN55-LNS2-02010	2	6	10	4	50
HN55-LNS2-01010	1	3	10	4	50	HN55-LNS2-02012	2	6	12	4	50
HN55-LNS2-01012	1	3	12	4	50	HN55-LNS2-02015	2	6	15	4	50
HN55-LNS2-01015	1	3	15	4	50	HN55-LNS2-02020	2	6	20	4	50
HN55-LNS2-01020	1	3	20	4	50	HN55-LNS2-02510	2.5	7.5	10	4	50
HN55-LNS2-01506	1.5	4.5	6	4	50	HN55-LNS2-02512	2.5	7.5	12	4	50
HN55-LNS2-01508	1.5	4.5	8	4	50	HN55-LNS2-02515	2.5	7.5	15	4	50
HN55-LNS2-01510	1.5	4.5	10	4	50	HN55-LNS2-02520	2.5	7.5	20	4	50
HN55-LNS2-01512	1.5	4.5	12	4	50	HN55-LNS2-03012	3	9	12	4	50
HN55-LNS2-01515	1.5	4.5	15	4	50	HN55-LNS2-03015	3	9	15	4	50
HN55-LNS2-01520	1.5	4.5	20	4	50	HN55-LNS2-03020	3	9	20	4	50

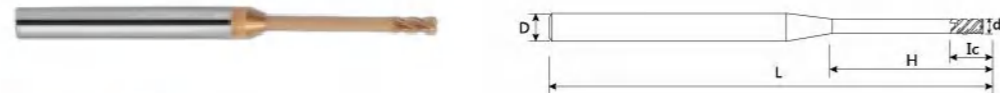
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC	○				
●	●	○		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-LNS4 4刃深沟平刀

4Flutes Long Neck Square End Mill



型号 Order NO.	刃径 d	刃长 lc	有效刃长 H	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 lc	有效刃长 H	柄径 D	全长 L
HN55-LNS4-01006	1	3	6	4	50	HN55-LNS4-02008	2	6	8	4	50
HN55-LNS4-01008	1	3	8	4	50	HN55-LNS4-02010	2	6	10	4	50
HN55-LNS4-01010	1	3	10	4	50	HN55-LNS4-02012	2	6	12	4	50
HN55-LNS4-01012	1	3	12	4	50	HN55-LNS4-02015	2	6	15	4	50
HN55-LNS4-01015	1	3	15	4	50	HN55-LNS4-02020	2	6	20	4	50
HN55-LNS4-01020	1	3	20	4	50	HN55-LNS4-02510	2.5	7.5	10	4	50
HN55-LNS4-01506	1.5	4.5	6	4	50	HN55-LNS4-02512	2.5	7.5	12	4	50
HN55-LNS4-01508	1.5	4.5	8	4	50	HN55-LNS4-02515	2.5	7.5	15	4	50
HN55-LNS4-01510	1.5	4.5	10	4	50	HN55-LNS4-02520	2.5	7.5	20	4	50
HN55-LNS4-01512	1.5	4.5	12	4	50	HN55-LNS4-03012	3	9	12	4	50
HN55-LNS4-01515	1.5	4.5	15	4	50	HN55-LNS4-03015	3	9	15	4	50
HN55-LNS4-01520	1.5	4.5	20	4	50	HN55-LNS4-03020	3	9	20	4	50

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	●	○		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-LNB2 2刃深沟球刀

2Flutes Long Neck Ball Nose End Mill



型号 Order NO.	R角 R	刃径 d	刃长 lc	有效刃长 H	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 lc	有效刃长 H	柄径 D	全长 L
HN55-LNB2-01006	0.5	1	2	6	4	50	HN55-LNB2-02008	1	2	4	8	4	50
HN55-LNB2-01008	0.5	1	2	8	4	50	HN55-LNB2-02010	1	2	4	10	4	50
HN55-LNB2-01010	0.5	1	2	10	4	50	HN55-LNB2-02012	1	2	4	12	4	50
HN55-LNB2-01012	0.5	1	2	12	4	50	HN55-LNB2-02015	1	2	4	15	4	50
HN55-LNB2-01015	0.5	1	2	15	4	50	HN55-LNB2-02020	1	2	4	20	4	50
HN55-LNB2-01020	0.5	1	2	20	4	50	HN55-LNB2-02510	1.25	2.5	5	10	4	50
HN55-LNB2-01506	0.75	1.5	3	6	4	50	HN55-LNB2-02512	1.25	2.5	5	12	4	50
HN55-LNB2-01508	0.75	1.5	3	8	4	50	HN55-LNB2-02515	1.25	2.5	5	15	4	50
HN55-LNB2-01510	0.75	1.5	3	10	4	50	HN55-LNB2-02520	1.25	2.5	5	20	4	50
HN55-LNB2-01512	0.75	1.5	3	12	4	50							
HN55-LNB2-01515	0.75	1.5	3	15	4	50							
HN55-LNB2-01520	0.75	1.5	3	20	4	50							

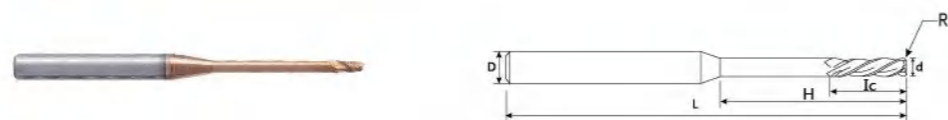
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	●	○		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-LNC4 4刃深沟圆鼻刀

4Flutes Long Neck Corner Radius End Mill



型号 Order NO.	R角 R	刃径 d	刃长 Ic	有效刃长 H	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 Ic	有效刃长 H	柄径 D	全长 L
HN55-LNC4-01006	0.2	1	3	6	4	50	HN55-LNC4-02008	0.2	2	6	8	4	50
HN55-LNC4-01008	0.2	1	3	8	4	50	HN55-LNC4-02010	0.2	2	6	10	4	50
HN55-LNC4-01010	0.2	1	3	10	4	50	HN55-LNC4-02012	0.2	2	6	12	4	50
HN55-LNC4-01012	0.2	1	3	12	4	50	HN55-LNC4-02015	0.2	2	6	15	4	50
HN55-LNC4-01015	0.2	1	3	15	4	50	HN55-LNC4-02020	0.2	2	6	20	4	50
HN55-LNC4-01020	0.2	1	3	20	4	50	HN55-LNC4-02008X	0.5	2	6	8	4	50
HN55-LNC4-01506	0.2	1.5	4.5	6	4	50	HN55-LNC4-02010X	0.5	2	6	10	4	50
HN55-LNC4-01508	0.2	1.5	4.5	8	4	50	HN55-LNC4-02012X	0.5	2	6	12	4	50
HN55-LNC4-01510	0.2	1.5	4.5	10	4	50	HN55-LNC4-02015X	0.5	2	6	15	4	50
HN55-LNC4-01512	0.2	1.5	4.5	12	4	50	HN55-LNC4-02020X	0.5	2	6	20	4	50
HN55-LNC4-01515	0.2	1.5	4.5	15	4	50							
HN55-LNC4-01520	0.2	1.5	4.5	20	4	50							

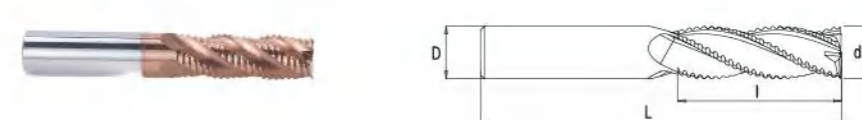
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	●	○		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-RS4 4刃钢用粗皮铣刀

4Flutes Roughing End Mill For Steel



型号 Order NO.	刃径 d	刃长 I	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 I	柄径 D	全长 L
HN55-RS4-040	4	10	4	50	HN55-RS4-120	12	30	12	75
HN55-RS4-051	5	13	6	50	HN55-RS4-140	14	45	14	100
HN55-RS4-060	6	15	6	50	HN55-RS4-160	16	45	16	100
HN55-RS4-080	8	20	8	60	HN55-RS4-180	18	45	18	100
HN55-RS4-100	10	25	10	75	HN55-RS4-200	20	45	20	100

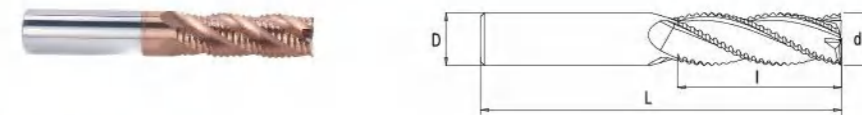
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	●	○		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-RS4 4刃钢用粗皮铣刀 加长型

4Flutes Roughing End Mill For Steel Long Length



型号 Order NO.	刃径 d	刃长 I	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 I	柄径 D	全长 L
HN55-RS4-040XL	4	16	4	100	HN55-RS4-100L	10	40	10	100
HN55-RS4-060XL	6	24	6	100	HN55-RS4-120L	12	45	12	100
HN55-RS4-080XL	8	35	8	100					

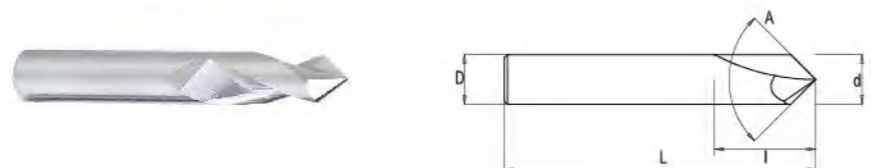
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	●	○		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-SDA2 2刃铝用定心钻

2Flutes Spot Drills For Aluminum



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN55-SDA2-030	3	8	3	50	HN55-SDA2-180	18	45	18	100
HN55-SDA2-040	4	10	4	50	HN55-SDA2-200	20	45	20	100
HN55-SDA2-060	6	15	6	50	HN55-SDA2-100L	10	40	10	100
HN55-SDA2-080	8	20	8	60	HN55-SDA2-120L	12	40	12	100
HN55-SDA2-100	10	25	10	75	HN55-SDA2-040XL	4	16	4	100
HN55-SDA2-120	12	30	12	75	HN55-SDA2-060XL	6	24	6	100
HN55-SDA2-140	14	45	14	100	HN55-SDA2-080XL	8	32	8	100
HN55-SDA2-160	16	45	16	100					

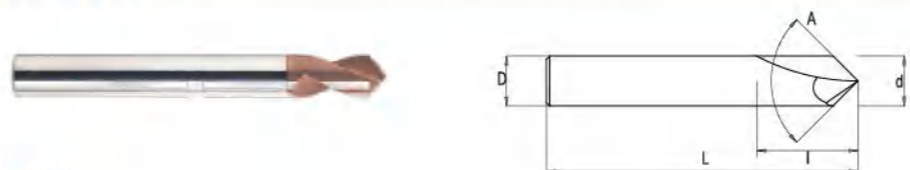
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC		○	●		

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-SDS2 2刃钢用定心钻

2Flutes Spot Drills For Steel



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN55-SDS2-030	3	8	3	50	HN55-SDS2-160	16	45	16	100
HN55-SDS2-040	4	10	4	50	HN55-SDS2-180	18	45	18	100
HN55-SDS2-050	5	15	5	50	HN55-SDS2-200	20	45	20	100
HN55-SDS2-060	6	15	6	50	HN55-SDS2-100L	10	40	10	100
HN55-SDS2-080	8	20	8	60	HN55-SDS2-120L	12	40	12	100
HN55-SDS2-100	10	25	10	75	HN55-SDS2-040XL	4	16	4	100
HN55-SDS2-120	12	30	12	75	HN55-SDS2-060XL	6	24	6	100
HN55-SDS2-140	14	45	14	100	HN55-SDS2-080XL	8	32	8	100

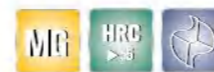
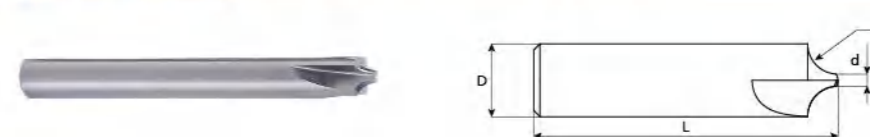
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC	○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-IRA 铝用内R刀

Inner Radius For Aluminum



型号 Order NO.	刃径 d	R角 R	柄径 D	全长 L	型号 Order NO.	刃径 d	R角 R	柄径 D	全长 L
HN55-IRA-D3R0.5	3	0.5	4	50	HN55-IRA-D1R2.5	1	2.5	6	50
HN55-IRA-D2.5R0.75	2.5	0.75	4	50	HN55-IRA-D2R3	2	3	8	60
HN55-IRA-D2R1	2	1	4	50	HN55-IRA-D2R4	2	4	10	60
HN55-IRA-D4R1	4	1	6	50	HN55-IRA-D2R5	2	5	12	60
HN55-IRA-D3R1.5	3	1.5	6	50	HN55-IRA-D4R6	4	6	16	70
HN55-IRA-D2R2	2	2	6	50	HN55-IRA-D4R8	4	8	20	70
HN55-IRA-D4R2	4	2	8	60					

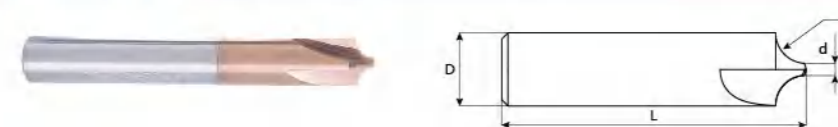
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC		○	●		

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-IRS 钢用内R刀

Inner Radius For Steel



型号 Order NO.	刃径 d	R角 R	柄径 D	全长 L	型号 Order NO.	刃径 d	R角 R	柄径 D	全长 L
HN55-IRS-D3R0.5	3	0.5	4	50	HN55-IRS-D1R2.5	1	2.5	6	50
HN55-IRS-D2.5R0.75	2.5	0.75	4	50	HN55-IRS-D2R3	2	3	8	60
HN55-IRS-D2R1	2	1	4	50	HN55-IRS-D2R4	2	4	10	60
HN55-IRS-D4R1	4	1	6	50	HN55-IRS-D2R5	2	5	12	60
HN55-IRS-D3R1.5	3	1.5	6	50	HN55-IRS-D4R6	4	6	16	70
HN55-IRS-D2R2	2	2	6	50	HN55-IRS-D4R8	4	8	20	70
HN55-IRS-D4R2	4	2	8	60					

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC	○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-DG T型燕尾槽刀 T-type Dovetail groove cutter



型号 Order NO.	刃径 d	避空直径 d1	避空长度 H	柄径 D	全长 L	单边角度 R
HN55-DG-030-45	3	1	4	3	50	45
HN55-DG-030-60	3	1	4	3	50	60
HN55-DG-040-30	4	1.5	6	4	50	30
HN55-DG-040-45	4	1.5	6	4	50	45
HN55-DG-040-60	4	1.5	6	4	50	60
HN55-DG-050-45	5	2	6	5	50	45
HN55-DG-050-60	5	2	6	5	50	60
HN55-DG-060-30	6	2.5	8	6	50	30
HN55-DG-060-45	6	2.5	8	6	50	45
HN55-DG-060-60	6	2.5	8	6	50	60
HN55-DG-080-30	8	3	10	8	60	30
HN55-DG-080-45	8	3	10	8	60	45
HN55-DG-080-60	8	3	10	8	60	60
HN55-DG-010-30	10	4	10	10	60	30
HN55-DG-010-45	10	4	10	10	60	45
HN55-DG-010-60	10	4	10	10	60	60
HN55-DG-012-30	12	5	12	12	60	30
HN55-DG-012-45	12	5	12	12	60	45
HN55-DG-012-60	12	5	12	12	60	60

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
< 35HRC	35-48HRC	46-55HRC	55-60HRC					
●	●	○		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-A2 2刃铝用平头铣刀 2Flutes End Mill For Aluminum



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN55-A2-010	1	3	4	50	HN55-A2-051	5	15	6	50
HN55-A2-015	1.5	4.5	4	50	HN55-A2-060	6	18	6	50
HN55-A2-020	2	6	4	50	HN55-A2-080	8	24	8	60
HN55-A2-025	2.5	7.5	4	50	HN55-A2-100	10	30	10	75
HN55-A2-030	3	9	3	50	HN55-A2-120	12	36	12	75
HN55-A2-031	3	9	4	50	HN55-A2-140	14	45	14	100
HN55-A2-035	3.5	11	4	50	HN55-A2-160	16	45	16	100
HN55-A2-040	4	12	4	50	HN55-A2-180	18	45	18	100
HN55-A2-050	5	15	5	50	HN55-A2-200	20	45	20	100

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
< 35HRC	35-48HRC	46-55HRC	55-60HRC					
					○	●		

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-A2 2刃铝用平头铣刀 加长型 2Flutes End Mill For Aluminum Long Length



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN55-A2-030L	3	12	3	75	HN55-A2-120L	12	45	12	100
HN55-A2-040L	4	16	4	75	HN55-A2-140L	14	65	14	150
HN55-A2-050L	5	20	5	75	HN55-A2-160L	16	70	16	150
HN55-A2-060L	6	24	6	75	HN55-A2-180L	18	70	18	150
HN55-A2-080L	8	30	8	75	HN55-A2-200L	20	70	20	150
HN55-A2-100L	10	40	10	100					

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
< 35HRC	35-48HRC	46-55HRC	55-60HRC					
					○	●		

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-A3

3刃铝用平头铣刀
3Flutes End Mill For Aluminum



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN55-A3-010	1	3	4	50	HN55-A3-051	5	15	6	50
HN55-A3-015	1.5	4.5	4	50	HN55-A3-060	6	18	6	50
HN55-A3-020	2	6	4	50	HN55-A3-080	8	24	8	60
HN55-A3-021	2	6	6	50	HN55-A3-100	10	30	10	75
HN55-A3-025	2.5	7.5	4	50	HN55-A3-120	12	36	12	75
HN55-A3-030	3	9	3	50	HN55-A3-140	14	45	14	100
HN55-A3-031	3	9	4	50	HN55-A3-160	16	45	16	100
HN55-A3-035	3.5	11	4	50	HN55-A3-180	18	45	18	100
HN55-A3-040	4	12	4	50	HN55-A3-200	20	45	20	100
HN55-A3-050	5	15	5	50					

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC		○	●		

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-A3

3刃铝用平头铣刀 加长型
3Flutes End Mill For Aluminum Long Length



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN55-A3-030L	3	12	3	75	HN55-A3-120L	12	45	12	100
HN55-A3-040L	4	16	4	75	HN55-A3-140L	14	65	14	150
HN55-A3-050L	5	20	5	75	HN55-A3-160L	16	70	16	150
HN55-A3-060L	6	24	6	75	HN55-A3-180L	18	70	18	150
HN55-A3-080L	8	30	8	75	HN55-A3-200L	20	70	20	150
HN55-A3-100L	10	40	10	100					

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC		○	●		

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-BA2

2刃铝用球头铣刀
2Flutes Ball Nose End Mill For Aluminum



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN55-BA2-010	0.5	1	2	4	50	HN55-BA2-051	2.5	5	10	6	50
HN55-BA2-015	0.75	1.5	3	4	50	HN55-BA2-060	3	6	12	6	50
HN55-BA2-020	1	2	4	4	50	HN55-BA2-080	4	8	16	8	60
HN55-BA2-025	1.25	2.5	5	4	50	HN55-BA2-100	5	10	20	10	75
HN55-BA2-030	1.5	3	6	3	50	HN55-BA2-120	6	12	24	12	75
HN55-BA2-031	1.5	3	6	4	50	HN55-BA2-140	7	14	28	14	100
HN55-BA2-035	1.75	3.5	7	4	50	HN55-BA2-160	8	16	32	16	100
HN55-BA2-040	2	4	8	4	50	HN55-BA2-180	9	18	36	18	100
HN55-BA2-050	2.5	5	10	5	50	HN55-BA2-200	10	20	40	20	100

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC		○	●		

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-BA2

2刃铝用球头铣刀 加长型
2Flutes Ball Nose End Mill For Aluminum Long Length



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN55-BA2-030L	1.5	3	6	3	75	HN55-BA2-120L	6	12	24	12	100
HN55-BA2-040L	2	4	8	4	75	HN55-BA2-140L	7	14	28	14	150
HN55-BA2-050L	2.5	5	10	5	75	HN55-BA2-160L	8	16	32	16	150
HN55-BA2-060L	3	6	12	6	75	HN55-BA2-180L	9	18	36	18	150
HN55-BA2-080L	4	8	16	8	75	HN55-BA2-200L	10	20	40	20	150
HN55-BA2-100L	5	10	20	10	100						

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC		○	●		

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-UA3 3刃U型槽高光铝用铣刀 (AL系列高光) 3Flutes U-groove High Gloss For Aluminum



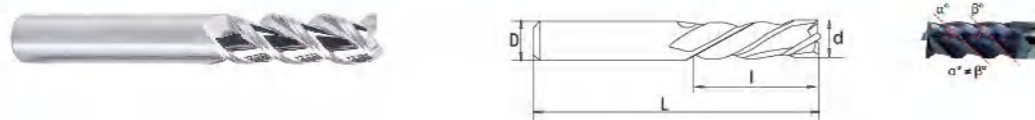
型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN55-UA3-010	1	3	4	50	HN55-UA3-100	10	30	10	75
HN55-UA3-015	1.5	4	4	50	HN55-UA3-120	12	36	12	75
HN55-UA3-020	2	6	4	50	HN55-UA3-140	14	45	14	100
HN55-UA3-025	2.5	7	4	50	HN55-UA3-160	16	45	16	100
HN55-UA3-030	3	9	4	50	HN55-UA3-180	18	45	18	100
HN55-UA3-040	4	12	4	50	HN55-UA3-200	20	45	20	100
HN55-UA3-050	5	15	6	50	HN55-UA3-100L	10	45	10	100
HN55-UA3-060	6	18	6	50	HN55-UA3-120L	12	45	12	100
HN55-UA3-080	8	24	8	60					

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
						○	●	

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN60-VA3 3刃高效铝用不等分平头铣刀 (AL系列高效) 3Flutes Unequal Milling Cutter For Aluminum



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN60-VA3-031	3	8	4	50	HN60-VA3-100	10	25	10	75
HN60-VA3-040	4	10	4	50	HN60-VA3-120	12	30	12	75
HN60-VA3-060	6	15	6	50	HN60-VA3-160	16	40	16	100
HN60-VA3-080	8	20	8	60	HN60-VA3-200	20	40	20	100

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
						○	●	

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-UA3-C 3刃U型槽高光铝用铣刀带七彩涂层 (AL系列高光) 3Flutes U-groove High Gloss Coated For Aluminum



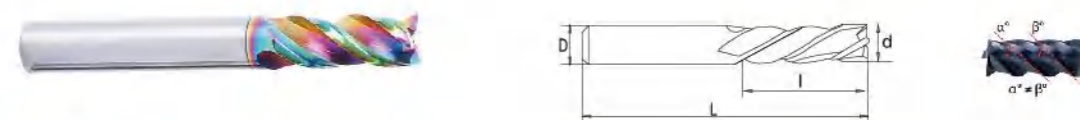
型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN55-UA3-010-C	1	3	4	50	HN55-UA3-080-C	8	24	8	60
HN55-UA3-015-C	1.5	4	4	50	HN55-UA3-100-C	10	30	10	75
HN55-UA3-020-C	2	6	4	50	HN55-UA3-120-C	12	36	12	75
HN55-UA3-025-C	2.5	7	4	50	HN55-UA3-140-C	14	45	14	100
HN55-UA3-031-C	3	9	4	50	HN55-UA3-160-C	16	45	16	100
HN55-UA3-032-C	3	8	6	50	HN55-UA3-180-C	18	45	18	100
HN55-UA3-040-C	4	12	4	50	HN55-UA3-200-C	20	45	20	100
HN55-UA3-050-C	5	15	6	50	HN55-UA3-100L-C	10	45	10	100
HN55-UA3-060-C	6	18	6	50	HN55-UA3-120L-C	12	45	12	100

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
						○	●	

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN60-VA3-C 3刃高效铝用不等分平头铣刀带七彩涂层 (AL系列高效) 3Flutes Unequal Milling Cutter Coated For Aluminum



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN60-VA3-031-C	3	8	4	50	HN60-VA3-080-C	8	20	8	60
HN60-VA3-032-C	3	8	6	50	HN60-VA3-100-C	10	25	10	75
HN60-VA3-040-C	4	10	4	50	HN60-VA3-120-C	12	30	12	75
HN60-VA3-051-C	5	13	6	50	HN60-VA3-160-C	16	40	16	100
HN60-VA3-060-C	6	15	6	50	HN60-VA3-200-C	20	40	20	100

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
						○	●	

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-RA3 3刃铝用粗皮铣刀

3Flutes Roughing End Mill For Aluminum



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN55-RA3-040	4	12	4	50	HN55-RA3-140	14	45	14	100
HN55-RA3-060	6	18	6	50	HN55-RA3-160	16	45	16	100
HN55-RA3-080	8	24	8	60	HN55-RA3-180	18	45	18	100
HN55-RA3-100	10	30	10	75	HN55-RA3-200	20	45	20	100
HN55-RA3-120	12	36	12	75					

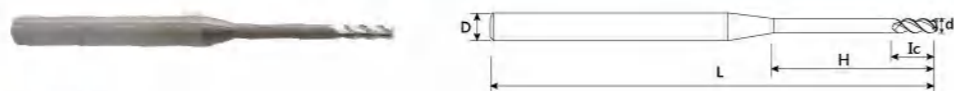
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC		○	●		

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN55-LNA3 3刃深沟铝用平刀

3Flutes Long Neck Square End Mill For Aluminum



型号 Order NO.	刃径 d	刃长 lc	有效刃长 H	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 lc	有效刃长 H	柄径 D	全长 L
HN55-LNA3-01006	1	3	6	4	50	HN55-LNA3-02008	2	6	8	4	50
HN55-LNA3-01008	1	3	8	4	50	HN55-LNA3-02010	2	6	10	4	50
HN55-LNA3-01010	1	3	10	4	50	HN55-LNA3-02012	2	6	12	4	50
HN55-LNA3-01012	1	3	12	4	50	HN55-LNA3-02015	2	6	15	4	50
HN55-LNA3-01015	1	3	15	4	50	HN55-LNA3-02020	2	6	20	4	50
HN55-LNA3-01020	1	3	20	4	50	HN55-LNA3-02510	2.5	7.5	10	4	50
HN55-LNA3-01506	1.5	4.5	6	4	50	HN55-LNA3-02512	2.5	7.5	12	4	50
HN55-LNA3-01508	1.5	4.5	8	4	50	HN55-LNA3-02515	2.5	7.5	15	4	50
HN55-LNA3-01510	1.5	4.5	10	4	50	HN55-LNA3-02520	2.5	7.5	20	4	50
HN55-LNA3-01512	1.5	4.5	12	4	50	HN55-LNA3-03012	3	9	12	4	50
HN55-LNA3-01515	1.5	4.5	15	4	50	HN55-LNA3-03015	3	9	15	4	50
HN55-LNA3-01520	1.5	4.5	20	4	50	HN55-LNA3-03020	3	9	20	4	50

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC		○	●		

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN60-S4 4刃平头铣刀

4Flutes End Mill



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN60-S4-010	1	3	4	50	HN60-S4-051	5	13	6	50
HN60-S4-015	1.5	4	4	50	HN60-S4-060	6	15	6	50
HN60-S4-020	2	5	4	50	HN60-S4-080	8	20	8	60
HN60-S4-025	2.5	7	4	50	HN60-S4-100	10	25	10	75
HN60-S4-030	3	8	3	50	HN60-S4-120	12	30	12	75
HN60-S4-031	3	8	4	50	HN60-S4-140	14	45	14	100
HN60-S4-035	3.5	9	4	50	HN60-S4-160	16	45	16	100
HN60-S4-040	4	10	4	50	HN60-S4-180	18	45	18	100
HN60-S4-050	5	13	5	50	HN60-S4-200	20	45	20	100

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC	○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN60-S4 4刃平头铣刀 加长型

4Flutes End Mill Long Length



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN60-S4-030L	3	12	3	75	HN60-S4-120L	12	45	12	100
HN60-S4-040L	4	16	4	75	HN60-S4-140L	14	60	14	150
HN60-S4-050L	5	20	5	75	HN60-S4-160L	16	65	16	150
HN60-S4-060L	6	24	6	75	HN60-S4-180L	18	70	18	150
HN60-S4-080L	8	30	8	75	HN60-S4-200L	20	70	20	150
HN60-S4-100L	10	40	10	100					

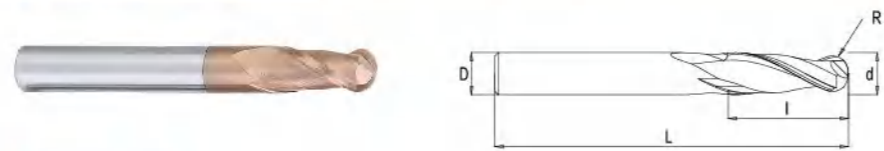
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC	○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN60-B2 2刃球头铣刀

2Flutes Ball Nose End Mill



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN60-B2-010	0.5	1	2	4	50	HN60-B2-051	2.5	5	10	6	50
HN60-B2-015	0.75	1.5	3	4	50	HN60-B2-060	3	6	12	6	50
HN60-B2-020	1	2	4	4	50	HN60-B2-080	4	8	16	8	60
HN60-B2-025	1.25	2.5	5	4	50	HN60-B2-100	5	10	20	10	75
HN60-B2-030	1.5	3	6	3	50	HN60-B2-120	6	12	24	12	75
HN60-B2-031	1.5	3	6	4	50	HN60-B2-140	7	14	28	14	100
HN60-B2-035	1.75	3.5	7	4	50	HN60-B2-160	8	16	32	16	100
HN60-B2-040	2	4	8	4	50	HN60-B2-180	9	18	36	18	100
HN60-B2-050	2.5	5	10	5	50	HN60-B2-200	10	20	40	20	100

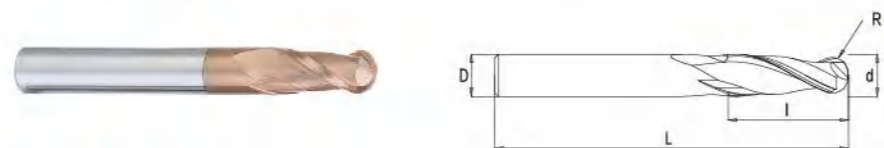
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
○	●	●		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN60-B2 2刃球头铣刀 加长型

2Flutes Ball Nose End Mill Long Length



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN60-B2-030L	1.5	3	6	3	75	HN60-B2-120L	6	12	24	12	100
HN60-B2-040L	2	4	8	4	75	HN60-B2-140L	7	14	28	14	150
HN60-B2-050L	2.5	5	10	5	75	HN60-B2-160L	8	16	32	16	150
HN60-B2-060L	3	6	12	6	75	HN60-B2-180L	9	18	36	18	150
HN60-B2-080L	4	8	16	8	75	HN60-B2-200L	10	20	40	20	150
HN60-B2-100L	5	10	20	10	100						

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
○	●	●		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN60-C4 4刃圆鼻铣刀

4Flutes Corner Radius



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN60-C4-0102	0.2	1	3	4	50	HN60-C4-0620	2	6	15	6	50
HN60-C4-01502	0.2	1.5	4	4	50	HN60-C4-0805	0.5	8	20	8	60
HN60-C4-0202	0.2	2	5	4	50	HN60-C4-0810	1	8	20	8	60
HN60-C4-0205	0.5	2	5	4	50	HN60-C4-0820	2	8	20	8	60
HN60-C4-0302	0.2	3	8	3	50	HN60-C4-1005	0.5	10	25	10	75
HN60-C4-0305	0.5	3	8	3	50	HN60-C4-1010	1	10	25	10	75
HN60-C4-0310	1	3	8	3	50	HN60-C4-1020	2	10	25	10	75
HN60-C4-0302X	0.2	3	8	4	50	HN60-C4-1205	0.5	12	30	12	75
HN60-C4-0305X	0.5	3	8	4	50	HN60-C4-1210	1	12	30	12	75
HN60-C4-0310X	1	3	8	4	50	HN60-C4-1220	2	12	30	12	75
HN60-C4-0402	0.2	4	10	4	50	HN60-C4-1405	0.5	14	45	14	100
HN60-C4-0405	0.5	4	10	4	50	HN60-C4-1410	1	14	45	14	100
HN60-C4-0410	1	4	10	4	50	HN60-C4-1605	0.5	16	45	16	100
HN60-C4-0405X	0.5	4	10	6	50	HN60-C4-1610	1	16	45	16	100
HN60-C4-0505	0.5	5	13	5	50	HN60-C4-1805	0.5	18	45	18	100
HN60-C4-0510	1	5	13	5	50	HN60-C4-1810	1	18	45	18	100
HN60-C4-0602	0.2	6	15	6	50	HN60-C4-2005	0.5	20	45	20	100
HN60-C4-0605	0.5	6	15	6	50	HN60-C4-2010	1	20	45	20	100
HN60-C4-0610	1	6	15	6	50						

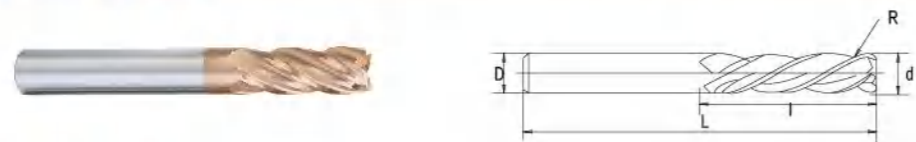
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
○	●	●		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN60-C4 4刃圆鼻铣刀 加长型

4Flutes Corner Radius Long Length



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN60-C4-0305L	0.5	3	12	3	75	HN60-C4-0610L	1	6	24	6	75
HN60-C4-0310L	1	3	12	3	75	HN60-C4-0805L	0.5	8	30	8	75
HN60-C4-0405L	0.5	4	16	4	75	HN60-C4-0810L	1	8	30	8	75
HN60-C4-0410L	1	4	16	4	75	HN60-C4-1005L	0.5	10	40	10	100
HN60-C4-0505L	0.5	5	20	5	75	HN60-C4-1010L	1	10	40	10	100
HN60-C4-0510L	1	5	20	5	75	HN60-C4-1205L	0.5	12	45	12	100
HN60-C4-0605L	0.5	6	24	6	75	HN60-C4-1210L	1	12	45	12	100

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
○	●	●		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN60-C4 4刃圆鼻铣刀 超长型

4Flutes Corner Radius OverLong Length



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN60-C4-0305XL	0.5	3	15	3	100	HN60-C4-0805XL	0.5	8	35	8	100
HN60-C4-0310XL	1	3	15	3	100	HN60-C4-0810XL	1	8	35	8	100
HN60-C4-0405XL	0.5	4	20	4	100	HN60-C4-1005XL	0.5	10	50	10	150
HN60-C4-0410XL	1	4	20	4	100	HN60-C4-1010XL	1	10	50	10	150
HN60-C4-0505XL	0.5	5	25	5	100	HN60-C4-1205XL	0.5	12	50	12	150
HN60-C4-0510XL	1	5	25	5	100	HN60-C4-1210XL	1	12	50	12	150
HN60-C4-0605XL	0.5	6	30	6	100	HN60-C4-1620XXL	2	16	70	16	200
HN60-C4-0610XL	1	6	30	6	100						

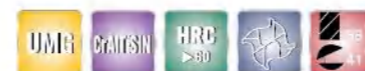
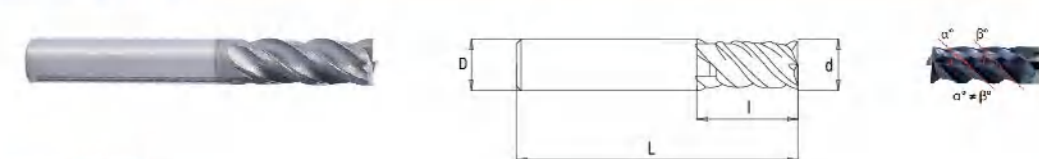
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
○	●	●		○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN60-VS4 4刃不锈钢不等分平头铣刀

4Flutes Unequal for Stainless Steel



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN60-VS4-010	1	3	4	50	HN60-VS4-060	6	15	6	50
HN60-VS4-015	1.5	4	4	50	HN60-VS4-080	8	20	8	60
HN60-VS4-020	2	5	4	50	HN60-VS4-100	10	25	10	75
HN60-VS4-025	2.5	7	4	50	HN60-VS4-120	12	30	12	75
HN60-VS4-030	3	8	4	50	HN60-VS4-160	16	40	16	100
HN60-VS4-040	4	10	4	50	HN60-VS4-200	20	45	20	100
HN60-VS4-050	5	12	6	50					

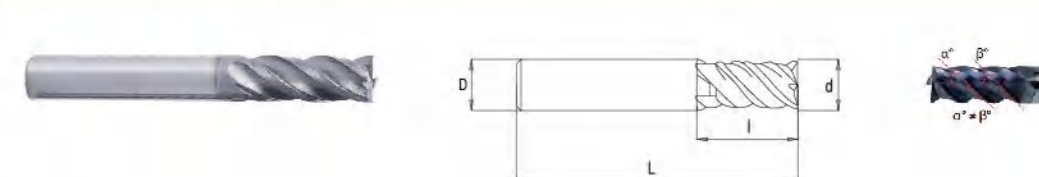
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
		○		●			○	○

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN60-VS4 4刃不锈钢不等分平头铣刀 加长型

4Flutes Unequal for Stainless Steel Long Length



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN60-VS4-100L	10	40	10	100	HN60-VS4-120L	12	40	12	100

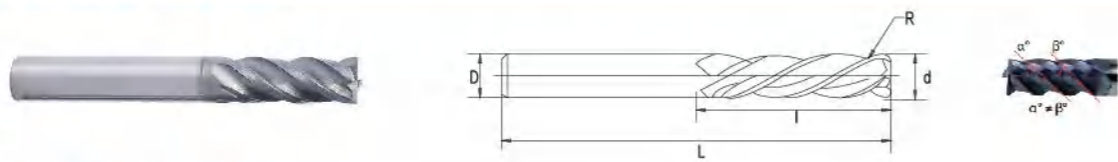
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
		○		●			○	○

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN60-VCS4 4刃不锈钢不等分圆鼻铣刀

4Flutes Corner Radius Unequal



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN60-VCS4-0405	0.5	4	10	4	50	HN60-VCS4-1020	2	10	25	10	75
HN60-VCS4-0410	1	4	10	4	50	HN60-VCS4-1205	0.5	12	30	12	75
HN60-VCS4-0505	0.5	5	12	6	50	HN60-VCS4-1210	1	12	30	12	75
HN60-VCS4-0510	0.6	5	12	6	50	HN60-VCS4-1220	2	12	30	12	75
HN60-VCS4-0605	0.5	6	15	6	50	HN60-VCS4-1605	0.5	16	40	16	100
HN60-VCS4-0610	1	6	15	6	50	HN60-VCS4-1610	1	16	40	16	100
HN60-VCS4-0805	0.5	8	20	8	60	HN60-VCS4-1620	2	16	40	16	100
HN60-VCS4-0810	1	8	20	8	60	HN60-VCS4-2005	0.5	20	45	20	100
HN60-VCS4-1005	0.5	10	25	10	75	HN60-VCS4-2010	1	20	45	20	100
HN60-VCS4-1010	1	10	25	10	75	HN60-VCS4-2020	2	20	45	20	100

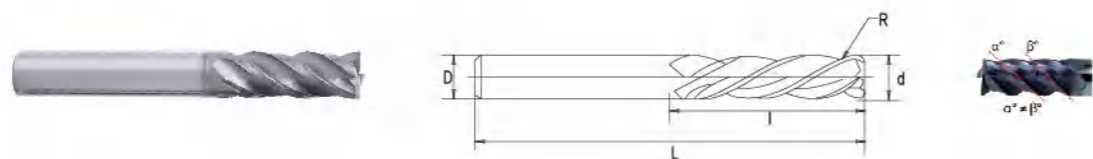
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC	●			○	○

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN60-VCS4 4刃不锈钢不等分圆鼻铣刀 加长型

4Flutes Corner Radius Unequal Long Length



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN60-VCS4-1005L	0.5	10	40	10	100	HN60-VCS4-1205L	0.5	12	40	12	100
HN60-VCS4-1010L	1	10	40	10	100	HN60-VCS4-1210L	1	12	40	12	100

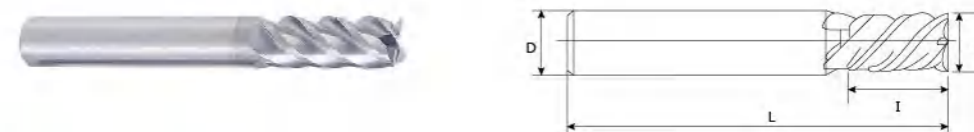
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC	●			○	○

● 最适合加工 Most Suitable ○ 适合加工 Suitable

GM-S4 GM系列4刃平头铣刀

GM Series 4Flutes Square End Mill



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
GM-S4-010	1	3	4	50	GM-S4-080	8	20	8	60
GM-S4-015	1.5	4	4	50	GM-S4-100	10	25	10	75
GM-S4-020	2	5	4	50	GM-S4-120	12	30	12	75
GM-S4-030	3	8	3	50	GM-S4-160	16	45	16	100
GM-S4-040	4	10	4	50	GM-S4-180	18	45	18	100
GM-S4-060	6	15	6	50	GM-S4-200	20	45	20	100

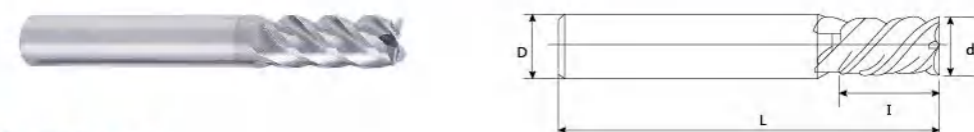
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC	○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

GM-S4 GM系列4刃平头铣刀 加长型

GM Series 4Flutes Square End Mill Long Length



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
GM-S4-040L	4	16	4	75	GM-S4-040XL	4	20	4	100
GM-S4-060L	6	24	6	75	GM-S4-060XL	6	30	6	100
GM-S4-080L	8	30	8	75	GM-S4-080XL	8	35	8	100
GM-S4-100L	10	40	10	100	GM-S4-100XL	10	50	10	150
GM-S4-120L	12	45	12	100	GM-S4-120XL	12	50	12	150
GM-S4-140L	14	45	14	100	GM-S4-140XL	14	60	14	150
GM-S4-160L	16	65	16	150	GM-S4-060XXL	6	35	6	150
GM-S4-180L	18	70	18	150	GM-S4-080XXL	8	40	8	150
GM-S4-200L	20	70	20	150					

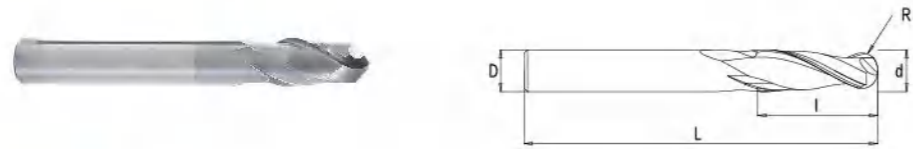
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC	○				

● 最适合加工 Most Suitable ○ 适合加工 Suitable

GM-B2

GM系列 2刃球头铣刀
GM Series 2Flutes Ball Nose End Mill



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
GM-B2-010	0.5	1	2	4	50	GM-B2-040	2	4	8	4	50
GM-B2-015	0.75	1.5	3	4	50	GM-B2-060	3	6	12	6	50
GM-B2-020	1	2	4	4	50	GM-B2-080	4	8	16	8	60
GM-B2-025	1.25	2.5	5	4	50	GM-B2-100	5	10	20	10	75
GM-B2-030	1.5	3	6	4	50	GM-B2-120	6	12	24	12	75

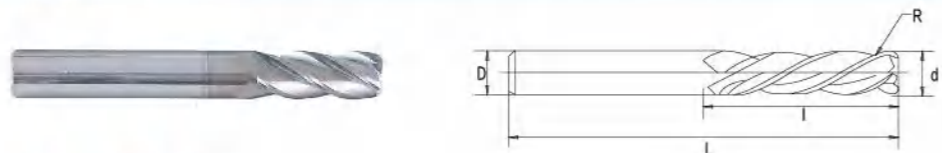
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC	○				
●	●							

● 最适合加工 Most Suitable ○ 适合加工 Suitable

GM-C4

GM系列 4刃圆鼻铣刀
GM Series 4Flutes Corner Radius



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
GM-C4-0102	0.2	1	3	4	50	GM-C4-0605	0.5	6	15	6	50
GM-C4-01502	0.2	1.5	4	4	50	GM-C4-0610	1	6	15	6	50
GM-C4-0202	0.2	2	6	4	50	GM-C4-0805	0.5	8	20	8	60
GM-C4-0302	0.2	3	8	4	50	GM-C4-0810	1	8	20	8	60
GM-C4-0305	0.5	3	8	4	50	GM-C4-1005	0.5	10	25	10	75
GM-C4-0402	0.2	4	11	4	50	GM-C4-1010	1	10	25	10	75
GM-C4-0405	0.5	4	11	4	50	GM-C4-1205	0.5	12	30	12	75
						GM-C4-1210	1	12	30	12	75

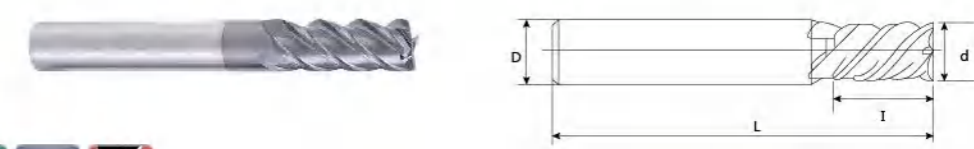
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC	○				
●	●							

● 最适合加工 Most Suitable ○ 适合加工 Suitable

PM-S4

PM系列 4刃平头铣刀
PM Series 4Flutes Square End Mill



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
PM-S4-010	1	3	4	50	PM-S4-080	8	20	8	60
PM-S4-015	1.5	4	4	50	PM-S4-100	10	25	10	75
PM-S4-020	2	5	4	50	PM-S4-120	12	30	12	75
PM-S4-030	3	8	3	50	PM-S4-160	16	45	16	100
PM-S4-040	4	10	4	50	PM-S4-180	18	45	18	100
PM-S4-060	6	15	6	50	PM-S4-200	20	45	20	100

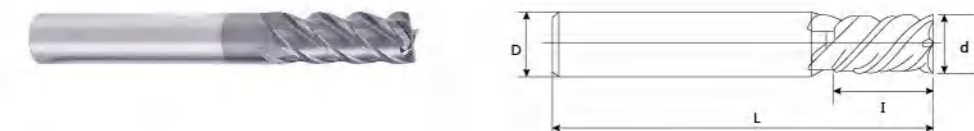
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC	●				
	○	●	○	●			○	○

● 最适合加工 Most Suitable ○ 适合加工 Suitable

PM-S4

PM系列 4刃平头铣刀 加长型
PM Series 4Flutes Square End Mill Long Length



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
PM-S4-040L	4	16	4	75	PM-S4-040XL	4	20	4	100
PM-S4-060L	6	24	6	75	PM-S4-060XL	6	30	6	100
PM-S4-080L	8	30	8	75	PM-S4-080XL	8	35	8	100
PM-S4-100L	10	40	10	100	PM-S4-100XL	10	50	10	150
PM-S4-120L	12	45	12	100	PM-S4-120XL	12	50	12	150
PM-S4-140L	14	45	14	100	PM-S4-140XL	14	60	14	150
PM-S4-160L	16	65	16	150	PM-S4-060XXL	6	35	6	150
PM-S4-180L	18	70	18	150	PM-S4-080XXL	8	40	8	150
PM-S4-200L	20	70	20	150					

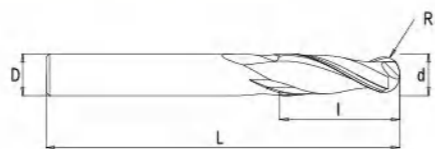
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC	●				
	○	●	○	●			○	○

● 最适合加工 Most Suitable ○ 适合加工 Suitable

PM-B2

PM系列 2刃球头铣刀
PM Series 2Flutes Ball Nose End Mill



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
PM-B2-010	0.5	1	2	4	50	PM-B2-040	2	4	8	4	50
PM-B2-015	0.75	1.5	3	4	50	PM-B2-060	3	6	12	6	50
PM-B2-020	1	2	4	4	50	PM-B2-080	4	8	16	8	60
PM-B2-025	1.25	2.5	5	4	50	PM-B2-100	5	10	20	10	75
PM-B2-030	1.5	3	6	4	50	PM-B2-120	6	12	24	12	75

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	○	●	○	●			○	○

● 最适合加工 Most Suitable ○ 适合加工 Suitable

PM-C4

PM系列 4刃圆鼻铣刀
PM Series 4Flutes Corner Radius



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
PM-C4-0102	0.2	1	3	4	50	PM-C4-0605	0.5	6	15	6	50
PM-C4-01502	0.2	1.5	4	4	50	PM-C4-0610	1	6	15	6	50
PM-C4-0202	0.2	2	6	4	50	PM-C4-0805	0.5	8	20	8	60
PM-C4-0302	0.2	3	8	4	50	PM-C4-0810	1	8	20	8	60
PM-C4-0305	0.5	3	8	4	50	PM-C4-1005	0.5	10	25	10	75
PM-C4-0402	0.2	4	11	4	50	PM-C4-1010	1	10	25	10	75
PM-C4-0405	0.5	4	11	4	50	PM-C4-1205	0.5	12	30	12	75
						PM-C4-1210	1	12	30	12	75

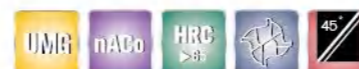
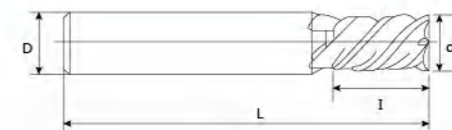
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	○	●	○	●			○	○

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN65-S4

4刃平头铣刀
4Flutes End Mill



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN65-S4-010	1	3	4	50	HN65-S4-051	5	13	6	50
HN65-S4-015	1.5	4	4	50	HN65-S4-060	6	15	6	50
HN65-S4-020	2	5	4	50	HN65-S4-080	8	20	8	60
HN65-S4-025	2.5	7	4	50	HN65-S4-100	10	25	10	75
HN65-S4-030	3	8	3	50	HN65-S4-120	12	30	12	75
HN65-S4-031	3	8	4	50	HN65-S4-140	14	45	14	100
HN65-S4-035	3.5	9	4	50	HN65-S4-160	16	45	16	100
HN65-S4-040	4	10	4	50	HN65-S4-180	18	45	18	100
HN65-S4-041	4	10	6	50	HN65-S4-200	20	45	20	100
HN65-S4-050	5	13	5	50					

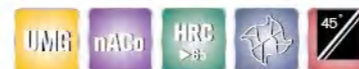
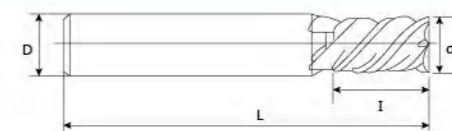
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	○	●	●	○			○	○

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN65-S4

4刃平刀 加长型
4Flutes End Mill Long Length



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN65-S4-030L	3	12	3	75	HN65-S4-120L	12	45	12	100
HN65-S4-040L	4	16	4	75	HN65-S4-140L	14	60	14	150
HN65-S4-050L	5	20	5	75	HN65-S4-160L	16	65	16	150
HN65-S4-060L	6	24	6	75	HN65-S4-180L	18	70	18	150
HN65-S4-080L	8	30	8	75	HN65-S4-200L	20	70	20	150
HN65-S4-100L	10	40	10	100					

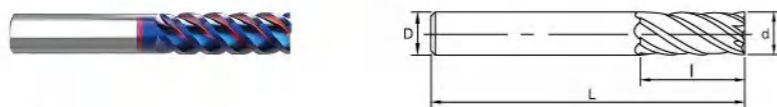
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	○	●	●	○			○	○

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN65-S6

6刃平头铣刀
6 Flutes End Mill



型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l	柄径 D	全长 L
HN65-S6-060	6	15	6	50	HN65-S6-120	12	30	12	75
HN65-S6-080	8	20	8	60	HN65-S6-120L	12	45	12	100
HN65-S6-100	10	25	10	75	HN65-S6-160	16	45	16	100
HN65-S6-100L	10	40	10	100	HN65-S6-200	20	45	20	100

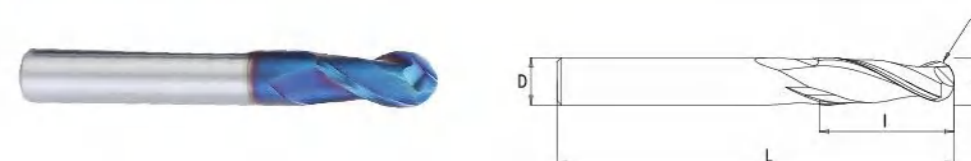
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	○	●	●	○			○	○

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN65-B2

2刃球头铣刀
2Flutes Ball Nose End Mill



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN65-B2-010	0.5	1	2	4	50	HN65-B2-051	2.5	5	10	6	50
HN65-B2-015	0.75	1.5	3	4	50	HN65-B2-060	3	6	12	6	50
HN65-B2-020	1	2	4	4	50	HN65-B2-080	4	8	16	8	60
HN65-B2-025	1.25	2.5	5	4	50	HN65-B2-100	5	10	20	10	75
HN65-B2-030	1.5	3	6	3	50	HN65-B2-120	6	12	24	12	75
HN65-B2-031	1.5	3	6	4	50	HN65-B2-140	7	14	28	14	100
HN65-B2-035	1.75	3.5	7	4	50	HN65-B2-160	8	16	32	16	100
HN65-B2-040	2	4	8	4	50	HN65-B2-180	9	18	36	18	100
HN65-B2-050	2.5	5	10	5	50	HN65-B2-200	10	20	40	20	100

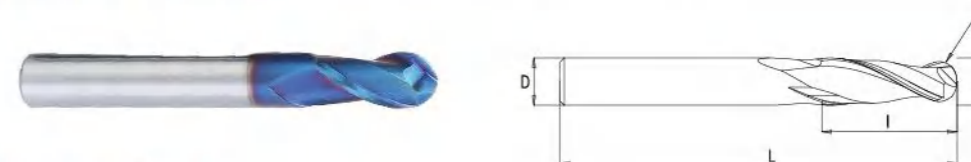
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
○	○	●	●	○			○	○

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN65-B2

2刃球头铣刀 加长型
2Flutes Ball Nose End Mill Long Length



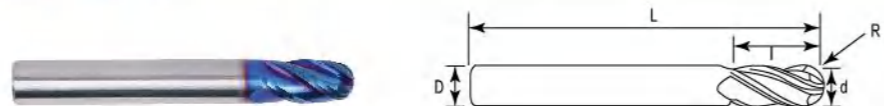
型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN65-B2-030L	1.5	3	6	3	75	HN65-B2-120L	6	12	24	12	100
HN65-B2-040L	2	4	8	4	75	HN65-B2-140L	7	14	28	14	150
HN65-B2-050L	2.5	5	10	5	75	HN65-B2-160L	8	16	32	16	150
HN65-B2-060L	3	6	12	6	75	HN65-B2-180L	9	18	36	18	150
HN65-B2-080L	4	8	16	8	75	HN65-B2-200L	10	20	40	20	150
HN65-B2-100L	5	10	20	10	100						

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
○	○	●	●	○			○	○

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN65-B4 4刃球头铣刀 4Flutes Ball Nose End Mill



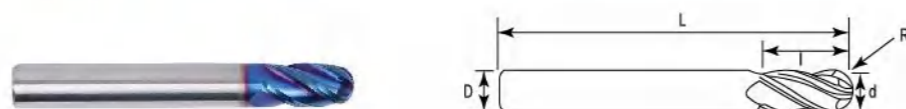
型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN65-B4-010	0.5	1	2	4	50	HN65-B4-051	2.5	5	10	16	50
HN65-B4-015	0.75	1.5	3	4	50	HN65-B4-060	3	6	12	6	50
HN65-B4-020	1	2	4	4	50	HN65-B4-080	4	8	16	8	60
HN65-B4-025	1.25	2.5	5	4	50	HN65-B4-100	5	10	20	10	75
HN65-B4-030	1.5	3	6	3	50	HN65-B4-120	6	12	24	12	75
HN65-B4-031	1.5	3	6	4	50	HN65-B4-140	7	14	28	14	100
HN65-B4-035	1.75	3.5	7	4	50	HN65-B4-160	8	16	32	16	100
HN65-B4-040	2	4	8	4	50	HN65-B4-180	9	18	36	18	100
HN65-B4-050	2.5	5	10	5	50	HN65-B4-200	10	20	40	20	100

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	○	●	●	○			○	○

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN65-B4 4刃球头铣刀 加长型 4Flutes Ball Nose End Mill Long Length



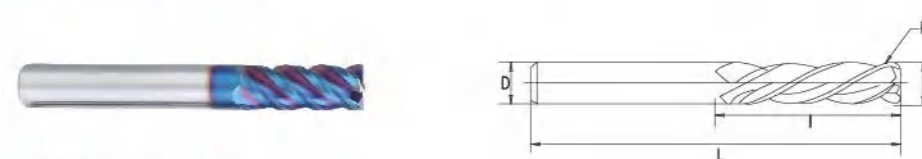
型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN65-B4-030L	1.5	3	6	3	75	HN65-B4-120L	6	12	24	12	100
HN65-B4-040L	2	4	8	4	75	HN65-B4-140L	7	14	28	14	150
HN65-B4-050L	2.5	5	10	5	75	HN65-B4-160L	8	16	32	16	150
HN65-B4-060L	3	6	12	6	75	HN65-B4-180L	9	18	36	18	150
HN65-B4-080L	4	8	16	8	75	HN65-B4-200L	10	20	40	20	150
HN65-B4-100L	5	10	20	10	100						

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	○	●	●	○			○	○

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN65-C4 4刃圆鼻铣刀 4Flutes Corner Radius



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN65-C4-0102	0.2	1	3	4	50	HN65-C4-0805	0.5	8	20	8	60
HN65-C4-0202	0.2	2	5	4	50	HN65-C4-0810	1	8	20	8	60
HN65-C4-0205	0.5	2	5	4	50	HN65-C4-0820	2	8	20	8	60
HN65-C4-0302	0.2	3	8	3	50	HN65-C4-1005	0.5	10	25	10	75
HN65-C4-0305	0.5	3	8	3	50	HN65-C4-1010	1	10	25	10	75
HN65-C4-0310	1	3	8	3	50	HN65-C4-1020	2	10	25	10	75
HN65-C4-0302X	0.2	3	8	4	50	HN65-C4-1205	0.5	12	30	12	75
HN65-C4-0305X	0.5	3	8	4	50	HN65-C4-1210	1	12	30	12	75
HN65-C4-0310X	1	3	8	4	50	HN65-C4-1220	2	12	30	12	75
HN65-C4-0402	0.2	4	10	4	50	HN65-C4-1405	0.5	14	45	14	100
HN65-C4-0405	0.5	4	10	4	50	HN65-C4-1410	1	14	45	14	100
HN65-C4-0410	1	4	10	4	50	HN65-C4-1605	0.5	16	45	16	100
HN65-C4-0505	0.5	5	13	5	50	HN65-C4-1610	1	16	45	16	100
HN65-C4-0510	1	5	13	5	50	HN65-C4-1805	0.5	18	45	18	100
HN65-C4-0605	0.5	6	15	6	50	HN65-C4-1810	1	18	45	18	100
HN65-C4-0610	1	6	15	6	50	HN65-C4-2005	0.5	20	45	20	100
HN65-C4-0620	2	6	15	6	50	HN65-C4-2010	1	20	45	20	100

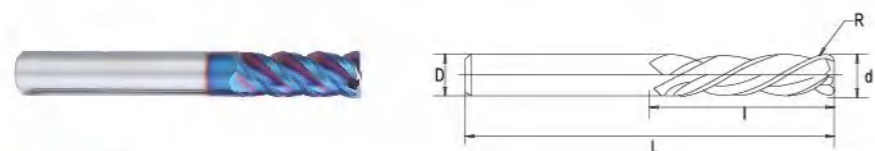
Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
●	○	●	●	○			○	○

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN65-C4 4刃圆鼻铣刀 加长型

4Flutes Corner Radius Long Length



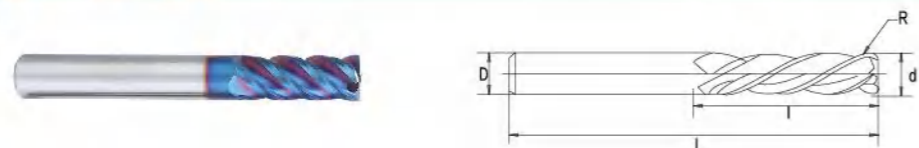
型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN65-C4-0305L	0.5	3	12	3	75	HN65-C4-0610L	1	6	24	6	75
HN65-C4-0310L	1	3	12	3	75	HN65-C4-0805L	0.5	8	30	8	75
HN65-C4-0405L	0.5	4	16	4	75	HN65-C4-0810L	1	8	30	8	75
HN65-C4-0410L	1	4	16	4	75	HN65-C4-1005L	0.5	10	40	10	100
HN65-C4-0505L	0.5	5	20	5	75	HN65-C4-1010L	1	10	40	10	100
HN65-C4-0510L	1	5	20	5	75	HN65-C4-1205L	0.5	12	45	12	100
HN65-C4-0605L	0.5	6	24	6	75	HN65-C4-1210L	1	12	45	12	100

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
● 最适合加工 Most Suitable	○ 适合加工 Suitable	●	●	○			○	○

HN65-C4 4刃圆鼻铣刀 超长型

4Flutes Corner Radius OverLong Length



型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 l	柄径 D	全长 L
HN65-C4-0305XL	0.5	3	15	3	100	HN65-C4-0805XL	0.5	8	35	8	100
HN65-C4-0310XL	1	3	15	3	100	HN65-C4-0810XL	1	8	35	8	100
HN65-C4-0405XL	0.5	4	20	4	100	HN65-C4-1005XL	0.5	10	50	10	150
HN65-C4-0410XL	1	4	20	4	100	HN65-C4-1010XL	1	10	50	10	150
HN65-C4-0505XL	0.5	5	25	5	100	HN65-C4-1205XL	0.5	12	50	12	150
HN65-C4-0510XL	1	5	25	5	100	HN65-C4-1210XL	1	12	50	12	150
HN65-C4-0605XL	0.5	6	30	6	100	HN65-C4-1620XXL	2	16	70	16	200
HN65-C4-0610XL	1	6	30	6	100						

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
● 最适合加工 Most Suitable	○ 适合加工 Suitable	●	●	○			○	○

HN65-LNS4 4刃深沟平刀

4Flutes Long Neck Square End Mill



型号 Order NO.	刃径 d	刃长 l _c	有效刃长 H	柄径 D	全长 L	型号 Order NO.	刃径 d	刃长 l _c	有效刃长 H	柄径 D	全长 L
HN65-LNS4-01006	1	3	6	4	50	HN65-LNS4-02008	2	6	8	4	50
HN65-LNS4-01008	1	3	8	4	50	HN65-LNS4-02010	2	6	10	4	50
HN65-LNS4-01010	1	3	10	4	50	HN65-LNS4-02012	2	6	12	4	50
HN65-LNS4-01012	1	3	12	4	50	HN65-LNS4-02015	2	6	15	4	50
HN65-LNS4-01015	1	3	15	4	50	HN65-LNS4-02020	2	6	20	4	50
HN65-LNS4-01020	1	3	20	4	50	HN65-LNS4-02510	2.5	7.5	10	4	50
HN65-LNS4-01506	1.5	4.5	6	4	50	HN65-LNS4-02512	2.5	7.5	12	4	50
HN65-LNS4-01508	1.5	4.5	8	4	50	HN65-LNS4-02515	2.5	7.5	15	4	50
HN65-LNS4-01510	1.5	4.5	10	4	50	HN65-LNS4-02520	2.5	7.5	20	4	50
HN65-LNS4-01512	1.5	4.5	12	4	50	HN65-LNS4-03012	3	9	12	4	50
HN65-LNS4-01515	1.5	4.5	15	4	50	HN65-LNS4-03015	3	9	15	4	50
HN65-LNS4-01520	1.5	4.5	20	4	50	HN65-LNS4-03020	3	9	20	4	50

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
<35HRC	35-48HRC	46-55HRC	55-60HRC					
● 最适合加工 Most Suitable	○ 适合加工 Suitable	●	●	○			○	○

HN65-LNB2 2刃深沟球刀

2Flutes Long Neck Ball Nose End Mill



型号 Order NO.	R角 R	刃径 d	刃长 lc	有效刃长 H	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 lc	有效刃长 H	柄径 D	全长 L
HN65-LNB2-01006	0.5	1	2	6	4	50	HN65-LNB2-02008	1	2	4	8	4	50
HN65-LNB2-01008	0.5	1	2	8	4	50	HN65-LNB2-02010	1	2	4	10	4	50
HN65-LNB2-01010	0.5	1	2	10	4	50	HN65-LNB2-02012	1	2	4	12	4	50
HN65-LNB2-01012	0.5	1	2	12	4	50	HN65-LNB2-02015	1	2	4	15	4	50
HN65-LNB2-01015	0.5	1	2	15	4	50	HN65-LNB2-02020	1	2	4	20	4	50
HN65-LNB2-01020	0.5	1	2	20	4	50	HN65-LNB2-02510	1.25	2.5	5	10	4	50
HN65-LNB2-01506	0.75	1.5	3	6	4	50	HN65-LNB2-02512	1.25	2.5	5	12	4	50
HN65-LNB2-01508	0.75	1.5	3	8	4	50	HN65-LNB2-02515	1.25	2.5	5	15	4	50
HN65-LNB2-01510	0.75	1.5	3	10	4	50	HN65-LNB2-02520	1.25	2.5	5	20	4	50
HN65-LNB2-01512	0.75	1.5	3	12	4	50							
HN65-LNB2-01515	0.75	1.5	3	15	4	50							
HN65-LNB2-01520	0.75	1.5	3	20	4	50							

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
< 35HRC	35-48HRC	46-55HRC	55-60HRC					
○	○	●	●	○			○	○

● 最适合加工 Most Suitable ○ 适合加工 Suitable

HN65-LNC4 4刃深沟圆鼻刀

4Flutes Long Neck Corner Radius End Mill



型号 Order NO.	R角 R	刃径 d	刃长 lc	有效刃长 H	柄径 D	全长 L	型号 Order NO.	R角 R	刃径 d	刃长 lc	有效刃长 H	柄径 D	全长 L
HN65-LNC4-01006	0.2	1	3	6	4	50	HN65-LNC4-02008	0.2	2	6	8	4	50
HN65-LNC4-01008	0.2	1	3	8	4	50	HN65-LNC4-02010	0.2	2	6	10	4	50
HN65-LNC4-01010	0.2	1	3	10	4	50	HN65-LNC4-02012	0.2	2	6	12	4	50
HN65-LNC4-01012	0.2	1	3	12	4	50	HN65-LNC4-02015	0.2	2	6	15	4	50
HN65-LNC4-01015	0.2	1	3	15	4	50	HN65-LNC4-02020	0.2	2	6	20	4	50
HN65-LNC4-01020	0.2	1	3	20	4	50	HN65-LNC4-02008X	0.5	2	6	8	4	50
HN65-LNC4-01506	0.2	1.5	4.5	6	4	50	HN65-LNC4-02010X	0.5	2	6	10	4	50
HN65-LNC4-01508	0.2	1.5	4.5	8	4	50	HN65-LNC4-02012X	0.5	2	6	12	4	50
HN65-LNC4-01510	0.2	1.5	4.5	10	4	50	HN65-LNC4-02015X	0.5	2	6	15	4	50
HN65-LNC4-01512	0.2	1.5	4.5	12	4	50	HN65-LNC4-02020X	0.5	2	6	20	4	50
HN65-LNC4-01515	0.2	1.5	4.5	15	4	50							
HN65-LNC4-01520	0.2	1.5	4.5	20	4	50							

Work Material

碳钢, 合金钢, 铸铁 Carbon Steel Cast Iron	合金钢 Alloy Steel	高硬钢 Hardened Steel	高硬钢 Hardened Steel	不锈钢 Stainless Steel	铜合金 Copper Alloys	铝合金 Aluminum Alloys	高温合金 Heat Resistant Super Alloys	钛合金 Titanium Alloys
< 35HRC	35-48HRC	46-55HRC	55-60HRC					
○	○	●	●	○			○	○

● 最适合加工 Most Suitable ○ 适合加工 Suitable