

www.scharptools.com

Zhenjiang Scharp Machinery Tools Co Ltd.

Address 168-27, No.168 dingmaoqiao road, Zhenjiang, Jiangsu, China 212001
Telephone 0086- 511- 88-79-82-18
Telefax 0086- 511- 88-79-83-18
Email 1 craiglian2009@gmail.com
Email 2 info@scharptools.com
Skype craiglian
MSN info@scharptools.com
Website www.scharptools.com

Zhenjiang Scharp Machinery Tools Co Ltd.

As a professional mfg and exporter of CNC metal cutting tools in China, our products mainly cover two series.

Solid carbide series: mainly carbide drill bits, carbide end mills;

High Speed steel series: drill bits, milling cutters and taps and reamer.

Also we supply measuring tools, tool holders, carbide burrs and kinds of machinery accessories, such as er collet, kinds of arbors and chucks.

Advanced CNC machinery guarantees the right and precise quality of our metal cutting tools.

Also we can make special metal cutting tools according to customers' drawing and design.

All our metal cutting tools we conduct cutting test before shipment.

We work with customers from more than 30 countries.

Contact us today for right cutting tools in China.





Solid Carbide End Mills

Metric Series

HRC60

Two Flute Standard	08
二齿标准型	
Two Flute Long Length	10
二齿加长型	
Two Flute Ball Nose	11
二齿球头型	
Two Flute Ball Nose Long Length	12
二齿球头加长型	
Four Flute Long Length	13
四齿加长型	
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HRC45

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Two Flute Long Length	22
二齿加长型	
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Two Flute Ball Nose Long Length	24
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HRC60

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二齿加长型	
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HRC45

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Four Flute Standard	48
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Three Flute Long Length	49
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High Speed Steel End Mills

HSS End Mills With DIN Standard

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多齿直柄	
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多齿超长型

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双头四齿

Roughing End Mills MF Standard Type NR 99

粗牙波刃标准型

Roughing End Mills MF Long Length Type NR 100

粗牙波刃加长型

Roughing End Mills MF Extra Long Length Type NR 100

粗牙波刃超长型

Roughing End Mills MF Standard Type HR 101

细牙波刃标准型

Roughing End Mills MF Long Length Type HR 101

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3/16"柄双头二齿标准型

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3/16"柄双头四齿加长型

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内R立铣刀

HSS End Mills With JIS Standard

Two Flute Standard 106

二齿标准型

Two Flute Ball Nose Standard 107

二齿球头标准型

Two Flute Long Length 107

二齿加长型

Four Flute Standard 108

四齿标准型

Four Flute Long Length 109

四齿加长型

Four Flute Ball Nose Standard 109

四齿球头标准型

Roughing End Mills 4F Standard Type NR 110

粗牙波刃标准型

Roughing End Mills 4F Long Length Type NR 110

粗牙波刃加长型

Roughing End Mills 4F Standard Type HR 111

细牙波刃标准型

Roughing End Mills 4F Long Length Type HR 111

细牙波刃加长型

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60° Plain Type/60° 普通型 112

90° Plain Type/90° 普通型 112

60° Long Length/60° 加长型 113

60° Type R/60° R型 113

Bell Type/护锥型 114

60° Type R/60° R型 114

Bell Type/护锥型 115

60° Plain Type/60° 普通型 115

HSS Countersink

90° Single Flute Straight Shank 116

90° 单齿直柄

90° Three Flute Straight Shank 116

90° 三齿直柄

60° Three Flute Straight Shank 117

60° 三齿直柄

75° Three Flute Straight Shank 117

75° 三齿直柄

120° Three Flute Straight Shank 118

120° 三齿直柄

90° Three Flute Taper Shank 118

90° 三齿锥柄

60° Three Flute Taper Shank 119

60° 三齿锥柄

90° Single Flute Straight Shank 119

90° 单齿直柄

90° Three Flute Straight Shank 120

90° 三齿直柄

60° Three Flute Straight Shank 120

60° 三齿直柄

HSS Woodruff Keyseat Cutters

Metric Standard/公制标准型 121

Imperial Standard(1/2" Shank)/英制标准型(1/2"柄) 121

HSS T-slot Cutters

Imperial Standard/英制标准型 122

Metric Standard/公制标准型 122

Imperial Long Shank/英制加长柄型 123

HSS Shell End Mills

Metric Standard 124

公制标准型

Metric Roughing Type NR 124

公制粗牙波刃

Metric Roughing Type HR 125

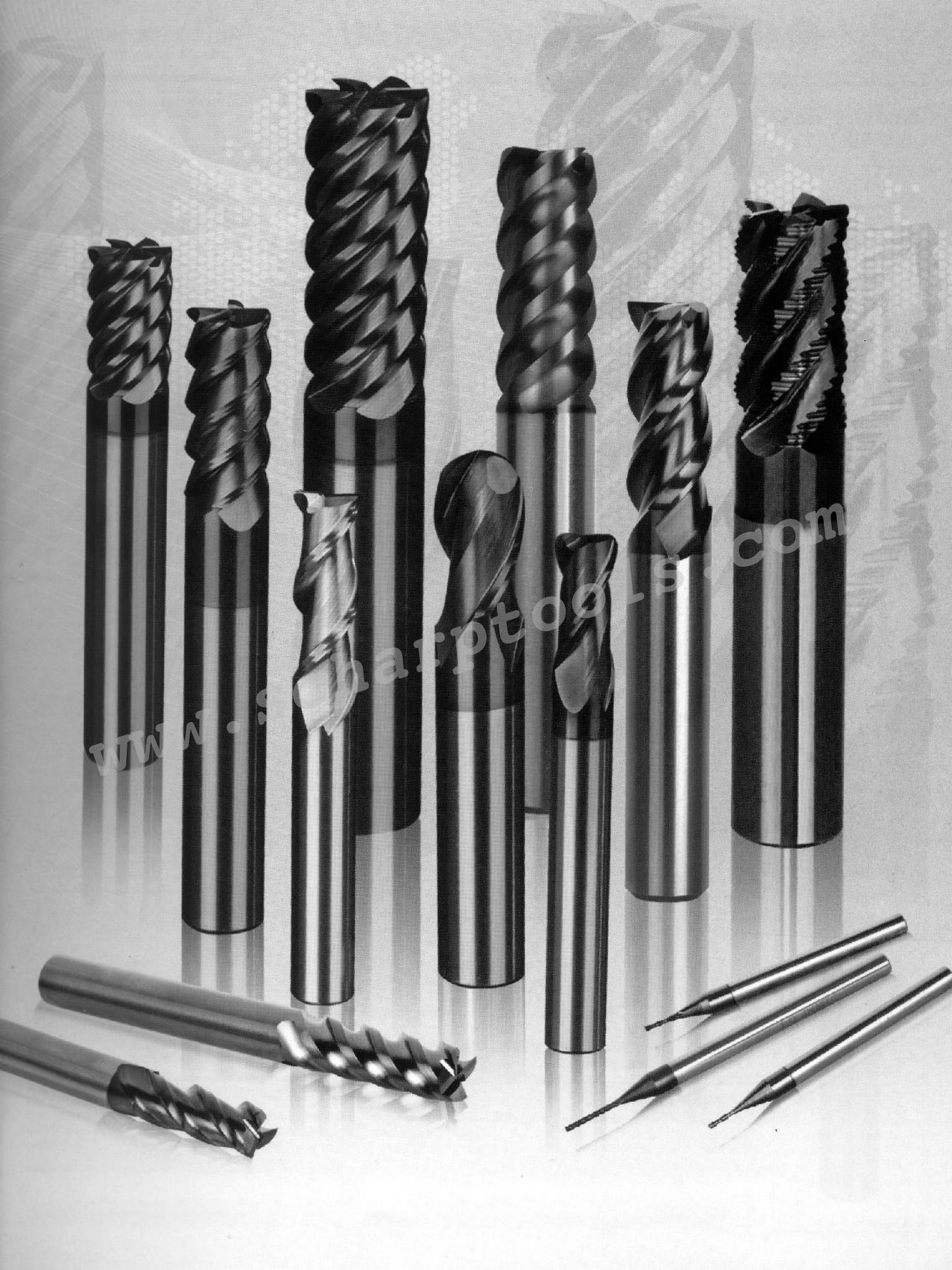
公制细牙波刃

Imperial Standard 125

英制标准型

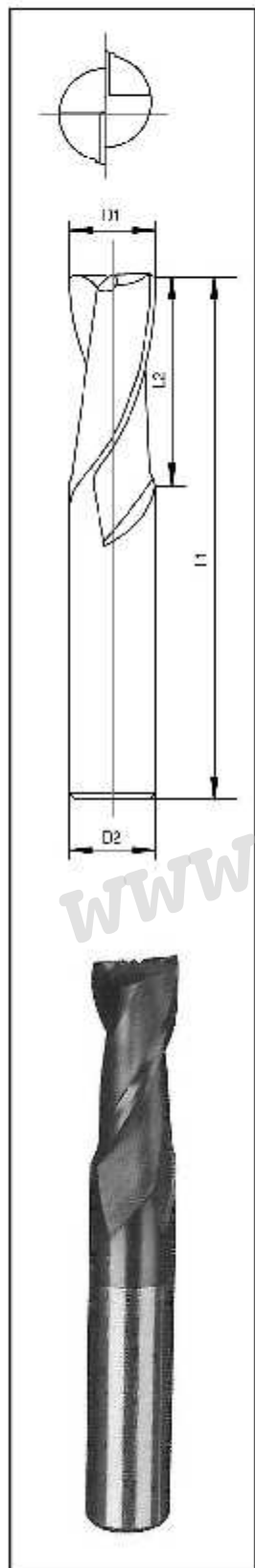
Imperial Roughing Type NR 126

英制粗牙波刃



Metric Series for HRC60

Two Flute Standard 二齿标准型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
1.0	4	4	50	2	STCP1180101020
1.5	4	4	50	2	STCP1180102020
2.0	4	6	50	2	STCP1180103020
2.5	4	8	50	2	STCP1180104020
3.0	4	8	50	2	STCP1180105020
3.5	4	10	50	2	STCP1180106020
4.0	4	10	50	2	STCP1180107020
1.0	6	4	50	2	STCP1180108020
1.5	6	6	50	2	STCP1180109020
2.0	6	8	50	2	STCP1180110020
2.5	6	10	50	2	STCP1180111020
3.0	6	10	50	2	STCP1180112020
3.5	6	12	50	2	STCP1180113020
4.0	6	12	50	2	STCP1180114020
4.5	6	12	50	2	STCP1180115020
5.0	6	12	50	2	STCP1180116020
5.5	6	12	50	2	STCP1180117020
6.0	6	12	50	2	STCP1180118020
6.5	8	20	60	2	STCP1180119020
7.0	8	20	60	2	STCP1180120020
7.5	8	20	60	2	STCP1180121020
8.0	8	20	60	2	STCP1180122020
8.5	10	25	75	2	STCP1180123020
9.0	10	25	75	2	STCP1180124020
9.5	10	25	75	2	STCP1180125020
10.0	10	25	75	2	STCP1180126020
11.0	12	25	75	2	STCP1180127020
12.0	12	25	75	2	STCP1180128020
13.0	14	30	90	2	STCP1180129020
14.0	14	30	90	2	STCP1180130020
15.0	16	35	100	2	STCP1180131020
16.0	16	35	100	2	STCP1180132020
17.0	18	40	100	2	STCP1180133020
18.0	18	40	100	2	STCP1180134020
19.0	20	40	100	2	STCP1180135020
20.0	20	40	100	2	STCP1180136020
22.0	22	45	100	2	STCP1180137020
25.0	25	45	100	2	STCP1180138020

Illustration	1 < D1 < 3	3 ≤ D1 < 6	6 ≤ D1	da
				0.101
				0.35D1
				0.5D1

- ⊙ Please optimize the over-hang
- ⊙ Be in climb milling. Please lower the recommendations simultaneously in case cutting tools shake badly
- ⊙ Please use suitable coolants

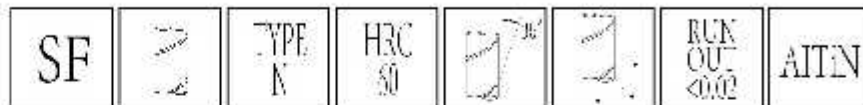
Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<HRC45	<HRC60	<HRC65						
⊙	⊙		⊙			⊙		

⊙ Preferential ⊙ Suitable

Metric Series for HRC60

Two Flute Standard 二齿标准型



Recommendation/推荐切削条件

D1 mm	aa mm	ap mm	Speed R/min	Feed mm/min
2.0	0.20	2.0	13500	180
3.0	0.30	3.0	8900	240
4.0	1.40	4.0	6800	250
5.0	1.75	5.0	5300	310
6.0	3.00	6.0	4400	310
8.0	4.00	8.0	3300	310
10.0	5.00	10.0	2700	300
12.0	6.00	12.0	2200	290

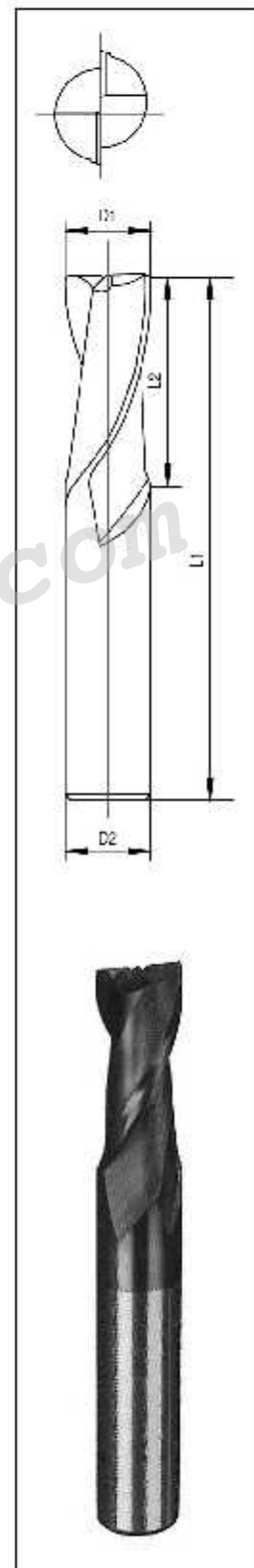
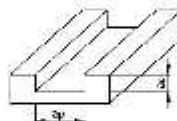


Illustration	aa
$1 < D1 < 3$	$0.1D1$
$3 \leq D1 < 6$	$0.35D1$
$6 \leq D1$	$0.5D1$



- ⊙ Please optimize the over-hang
- ⊙ Be in climb milling. Please lower the recommendations simultaneously in case cutting tools shake badly
- ⊙ Please use suitable coolants

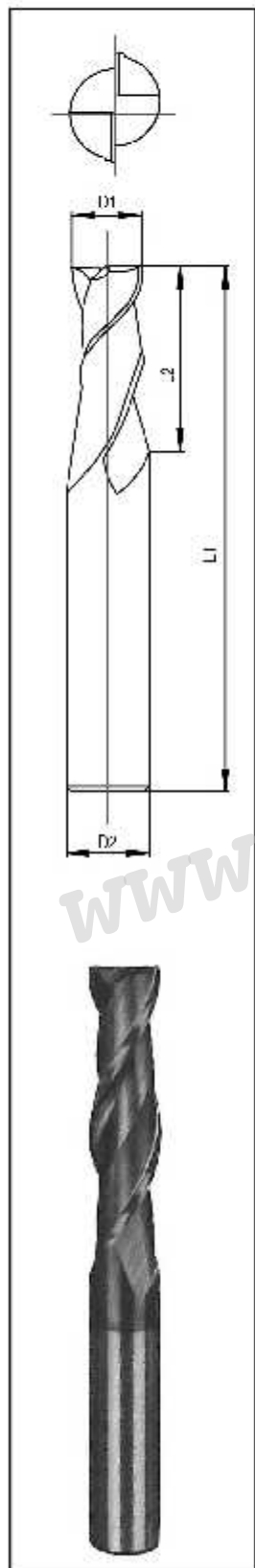
Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<math>< HRC45</math>	<math>< HRC60</math>	<math>< HRC65</math>						
⊙	⊙		⊙			⊙		

⊙ Preferential ⊙ Suitable

Metric Series for HRC60

Two Flute Long Length
二齿加长型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
1	4	6	60	2	STCP1182201020
1.5	4	8	60	2	STCP1182202020
2	4	8	60	2	STCP1182203020
2.5	4	10	60	2	STCP1182204020
3	4	12	60	2	STCP1182205020
3.5	4	15	60	2	STCP1182206020
4	4	15	60	2	STCP1182207020
4.5	6	25	75	2	STCP1182208020
5	6	25	75	2	STCP1182209020
6	6	25	75	2	STCP1182210020
7	8	30	75	2	STCP1182211020
8	8	30	75	2	STCP1182212020
9	10	40	100	2	STCP1182213020
10	10	40	100	2	STCP1182214020
11	12	45	100	2	STCP1182215020
12	12	45	100	2	STCP1182216020
13	14	45	100	2	STCP1182217020
14	14	45	100	2	STCP1182218020
15	16	60	150	2	STCP1182219020
16	16	60	150	2	STCP1182220020
18	18	60	150	2	STCP1182221020
20	20	60	150	2	STCP1182222020
25	25	70	150	2	STCP1182223020

Recommendation/推荐切削条件

D1 mm	aa mm	ap mm	Speed R/min	Feed mm/min
2.0	4.00	0.04	11000	150
3.0	6.00	0.05	7500	200
4.0	8.00	0.05	5600	210
5.0	10.00	0.10	4500	260
6.0	15.00	0.12	3900	260
8.0	20.00	0.15	2800	260
10.0	25.00	0.20	2200	250
12.0	30.00	0.24	1800	240
16.0	40.00	0.32	1400	190
18.0	45.00	0.35	1200	150
20.0	50.00	0.40	1100	130

Illustration	D1 < 6 D1 ≥ 6	ap 0.02D1 0.02D1	aa 2D1 2.5D1

- ⊙ Please optimize the over-hang
- ⊙ Be in climb milling. Please lower the recommendations simultaneously in case cutting tools shake badly
- ⊙ Please use suitable coolants

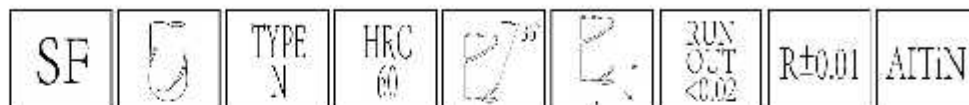
Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<HRC45	<HRC60	<HRC65						
⊙	⊙		⊙			⊙		

⊙ Preferential ⊙ Suitable

Metric Series for HRC60

Two Flute Ball Nose 二齿球头标准型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
R0.5	6	4	50	2	STCP1980110020
R1.0	6	6	50	2	STCP1980111020
R1.5	6	8	50	2	STCP1980112020
R2.0	6	10	50	2	STCP1980113020
R2.25	6	12	50	2	STCP1980114020
R2.5	6	12	50	2	STCP1980115020
R2.75	6	12	50	2	STCP1980116020
R3.0	6	12	50	2	STCP1980117020
R3.5	8	15	60	2	STCP1980118020
R4.0	8	15	60	2	STCP1980119020
H4.5	10	20	75	2	STCP1980120020
R5.0	10	20	75	2	STCP1980121020
R5.5	12	20	75	2	STCP1980122020
R6.0	12	20	75	2	STCP1980123020
R6.5	14	30	90	2	STCP1980124020
R7.0	14	30	90	2	STCP1980125020
R7.5	16	30	100	2	STCP1980126020
R8.0	16	30	100	2	STCP1980127020
R8.0	18	35	100	2	STCP1980128020
R10.0	20	35	100	2	STCP1980129020
R12.5	25	40	100	2	STCP1980130020

Recommendation/推荐切削条件

D1 mm	aa mm	ap mm	Speed R/min	Feed mm/min
R1.0	0.20	0.60	22700	1650
R1.25	0.25	0.75	16150	1570
R1.5	0.30	0.90	15100	1550
R1.75	0.35	1.05	12960	1500
R2.0	0.40	1.20	11900	1500
R2.5	0.50	1.50	9020	1460
R3.0	0.60	1.80	7600	1320
R3.5	0.70	2.10	6480	1100
R4.0	0.80	2.40	5700	1100
R4.5	0.90	2.70	5040	1070
R5.0	1.00	3.00	4560	1000
R5.5	1.10	3.30	4126	930
R6.0	1.20	3.60	3600	960
R6.0	1.60	4.80	2836	700
R9.0	1.80	5.40	2520	650
R10.0	2.00	6.00	2260	570

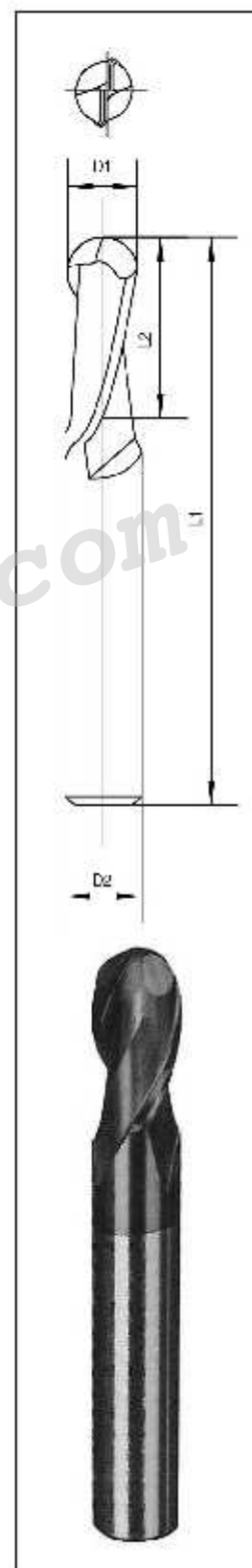
Illustration	R_p	R_a	
	0.10D1	0.05-0.1D1	

- ⊙ Please optimize the over-hang
- ⊙ Be in climb milling. Please lower the recommendations simultaneously in case cutting tools shake badly
- ⊙ Please use suitable coolants

Work Materials/被加工材质

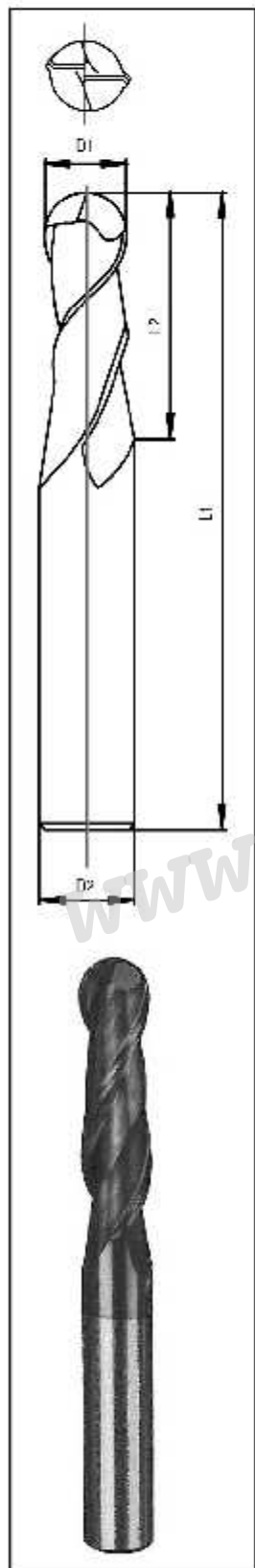
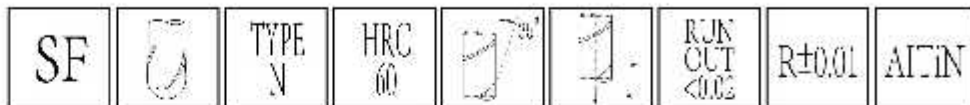
Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
\leqHRC45	\leqHRC60	\leqHRC65						
⊙	⊙		⊙			⊙		

⊙ Preferential ⊙ Suitable



Metric Series for HRC60

Two Flute Ball Nose Long Length 二齿球头加长型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
R0.5	4	4	60	2	STCP1982201020
R0.75	4	8	80	2	STCP1982202020
R1.0	4	8	60	2	STCP1982203020
R1.25	4	10	60	2	STCP1982204020
R1.5	4	12	60	2	STCP1982205020
R1.75	4	12	60	2	STCP1982206020
R2.0	4	15	80	2	STCP1982207020
R2.25	6	20	75	2	STCP1982208020
R2.5	6	25	75	2	STCP1982209020
R2.75	6	25	75	2	STCP1982210020
R3.0	6	25	75	2	STCP1982211020
R3.5	8	30	75	2	STCP1982212020
R4	8	30	75	2	STCP1982213020
R4.5	10	40	100	2	STCP1982214020
R5.0	10	40	100	2	STCP1982215020
R6.0	12	45	100	2	STCP1982216020
R7.0	14	45	100	2	STCP1982217020
R8.0	16	60	150	2	STCP1982218020
R9.0	18	60	150	2	STCP1982219020
R10.0	20	80	150	2	STCP1982220020

Recommendation/推荐切削条件

D1 mm	aa mm	ap mm	Speed R/min	Feed mm/min
R1.0	0.10-0.20	0.20	8300	510
R1.25	0.18-0.25	0.25	6650	510
R1.5	0.15-0.30	0.30	5750	500
R1.75	0.18-0.35	0.35	4750	550
R2.0	0.20-0.40	0.40	4100	480
R2.5	0.25-0.50	0.50	3300	380
R3.0	0.30-0.60	0.60	2750	430
R3.5	0.35-0.70	0.70	2350	400
R4.0	0.40-0.80	0.80	2100	380
R4.5	0.45-0.90	0.90	1850	330
R5.0	0.50-1.00	1.00	1650	330
R5.5	0.55-1.10	1.10	1500	300
R6.0	0.60-1.20	1.20	1350	280



- ⊙ Please optimize the over-hang
- ⊙ Be in climb milling. Please lower the recommendations simultaneously in case cutting tools shake badly
- ⊙ Please use suitable coolants

Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<HRC45	<HRC60	<HRC65						
⊙	⊙	⊙	⊙			⊙		

⊙ Preferential ⊙ Suitable

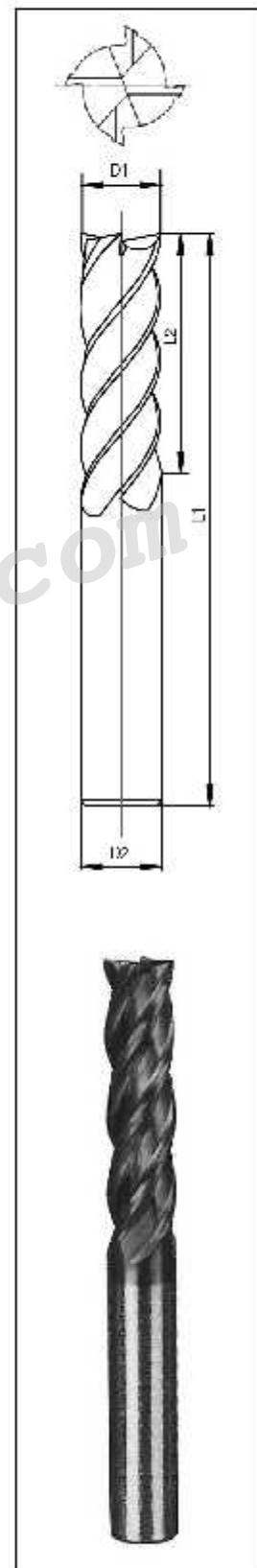
Metric Series for HRC60

Four Flute Long Length 四齿加长型



Type & Specifications/类型与规格

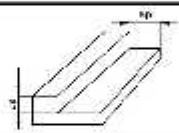
D1 h10	D2 h6	L2 ±14	L1 ±14	Flute No.	Order No.
1.0	4	6	60	4	STCP1182601020
1.5	4	6	60	4	STCP1182602020
2.0	4	6	60	4	STCP1182603020
2.5	4	10	60	4	STCP1182604020
3.0	4	12	60	4	STCP1182605020
3.5	4	15	60	4	STCP1182606020
4.0	4	15	60	4	STCP1182607020
4.5	6	25	75	4	STCP1182608020
5.0	6	25	75	4	STCP1182609020
6.0	6	25	75	4	STCP1182610020
7.0	8	30	75	4	STCP1182611020
8.0	8	30	75	4	STCP1182612020
9.0	10	40	100	4	STCP1182613020
10.0	10	40	100	4	STCP1182614020
11.0	12	45	100	4	STCP1182615020
12.0	12	45	100	4	STCP1182616020
13.0	14	45	100	4	STCP1182617020
14.0	14	45	100	4	STCP1182618020
15.0	16	60	150	4	STCP1182619020
16.0	16	60	150	4	STCP1182620020
18.0	18	60	150	4	STCP1182621020
20.0	20	60	150	4	STCP1182622020
25.0	25	70	150	4	STCP1182623020



Recommendation/推荐切削条件

D1 mm	aa mm	ap mm	Speed R/min	Feed mm/min
2.0	6.0	0.04	8300	380
3.0	9.0	0.06	5400	390
4.0	12.0	0.06	4100	400
5.0	15.0	0.10	3000	500
6.0	18.0	0.12	2600	560
8.0	20.0	0.16	1800	560
10.0	20.0	0.20	1500	550
12.0	24.0	0.24	1300	500
16.0	32.0	0.32	1050	440
20.0	40.0	0.40	780	390

Illustration	ap		aa	
	D1 < 10	0.02D1	3D1	
D1 ≥ 10	0.02D1	2D1		



- ⊙ Please optimize the over-hang
- ⊙ Be in climb milling. Please lower the recommendations simultaneously in case cutting tools shake badly
- ⊙ Please use suitable coolants

Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<HRC45	<HRC60	<HRC65						
⊙	⊙		⊙			⊙		

⊙ Preferential ⊙ Suitable

Metric Series for HRC60

Four Flute Standard 四齿标准型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
1.0	4	4	50	4	STCP1180501020
1.5	4	6	50	4	STCP1180502020
2.0	4	6	50	4	STCP1180503020
2.5	4	8	50	4	STCP1180504020
3.0	4	8	50	4	STCP1180505020
3.5	4	10	50	4	STCP1180506020
4.0	4	10	50	4	STCP1180507020
1.0	6	6	50	4	STCP1180508020
1.5	6	8	50	4	STCP1180509020
2.0	6	8	50	4	STCP1180510020
2.5	6	10	50	4	STCP1180511020
3.0	6	10	50	4	STCP1180512020
3.5	6	12	50	4	STCP1180513020
4.0	6	12	50	4	STCP1180514020
4.5	6	12	50	4	STCP1180515020
5.0	6	15	50	4	STCP1180516020
5.5	6	15	50	4	STCP1180517020
6.0	6	15	50	4	STCP1180518020
6.5	6	20	60	4	STCP1180519020
7.0	6	20	60	4	STCP1180520020
7.5	6	20	60	4	STCP1180521020
8.0	6	20	60	4	STCP1180522020
8.5	10	25	75	4	STCP1180523020
9.0	10	25	75	4	STCP1180524020
9.5	10	25	75	4	STCP1180525020
10.0	10	25	75	4	STCP1180526020
11.0	12	30	75	4	STCP1180527020
12.0	12	30	75	4	STCP1180528020
13.0	14	35	90	4	STCP1180529020
14.0	14	35	90	4	STCP1180530020
15.0	16	40	100	4	STCP1180531020
16.0	16	40	100	4	STCP1180532020
17.0	18	45	100	4	STCP1180533020
18.0	18	45	100	4	STCP1180534020
19.0	20	45	100	4	STCP1180535020
20.0	20	45	100	4	STCP1180536020
22.0	22	45	100	4	STCP1180537020
25.0	25	50	100	4	STCP1180538020

Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<HRC45	<HRC60	<HRC65						
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>			<input type="radio"/>		

Preferential Suitable

Metric Series for HRC60

Four Flute Standard 四齿标准型



Recommendation/推荐切削条件

D1 mm	aa mm	ap mm	Speed R/min	Feed mm/min
1.0	1.5	0.05	18200	400
1.5	2.3	0.08	18500	400
2.0	3.0	0.10	9000	450
2.5	3.8	0.13	7100	450
3.0	4.5	0.15	6200	450
3.5	5.3	0.18	5100	480
4.0	6.0	0.20	4500	480
5.0	7.5	0.25	3500	600
6.0	9.0	0.30	3000	660
8.0	12.0	0.40	2200	660
10.0	15.0	0.50	1800	650
12.0	18.0	0.60	1500	630
16.0	24.0	0.80	1100	510
18.0	27.0	0.90	1000	500
20.0	30.0	1.00	900	450

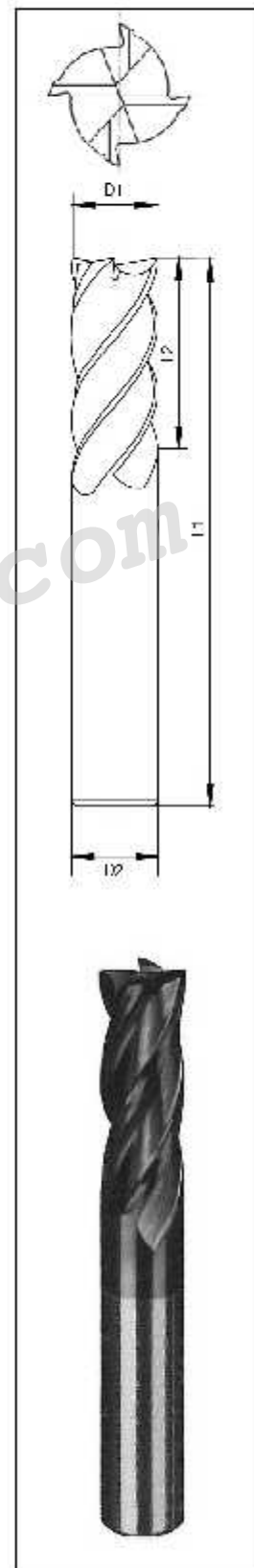


Illustration	a_p 0.05D1	a_a 1.5D1	
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- ⊙ Please use rigid and precision equipment and chucks
- ⊙ Be in climb milling. Please lower the recommendations simultaneously in case cutting tools shake badly
- ⊙ Please use suitable coolants

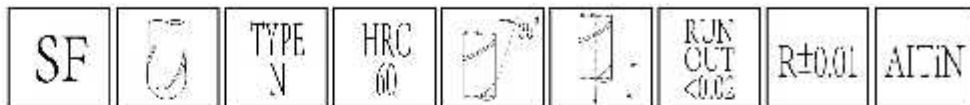
Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<HRC45	<HRC60	<HRC65						
⊙	⊙		⊙			⊙		

⊙ Preferential ⊙ Suitable

Metric Series for HRC60

Four Flute Ball Nose
四齿球头标准型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
R0.5	4	3	50	4	STCP1983501020
R1.0	4	4	50	4	STCP1983502020
R1.5	4	5	50	4	STCP1983503020
R2.0	4	6	50	4	STCP1983504020
R1.0	6	6	50	4	STCP1983505020
R1.5	6	8	50	4	STCP1983506020
R2.0	6	10	50	4	STCP1983507020
R2.5	6	12	50	4	STCP1983508020
R3.0	6	12	50	4	STCP1983509020
R4.0	8	20	60	4	STCP1983510020
R5.0	10	25	75	4	STCP1983511020
R6.0	12	25	75	4	STCP1983512020
R7.0	14	35	90	4	STCP1983513020
R8.0	16	35	100	4	STCP1983514020
R9.0	18	40	100	4	STCP1983515020
R10.0	20	40	100	4	STCP1983516020

Recommendation/推荐切削条件

Roughing/粗铣				
D1 mm	aa mm	ap mm	n R/min	Vf mm/min
R3.0	0.6	1.8	6200	900
R4.0	0.8	2.4	4500	850
R5.0	1.0	3.0	3800	770
R6.0	1.2	3.6	3000	630
R8.0	1.6	4.8	2300	470
R10.0	2.0	6.0	1800	410

Finishing/精铣				
D1 mm	aa mm	ap mm	n R/min	Vf mm/min
R3.0	0.18	0.6	13000	2400
R4.0	0.24	0.8	9300	2200
R5.0	0.30	1.0	7500	2000
R6.0	0.36	1.2	6600	1700
R8.0	0.48	1.6	5000	1300
R9.0	0.54	1.8	4300	1200
R10.0	0.60	2.0	3800	1250

Illustration	ap	Ra
	0.3D1 0.1D1	0.1D1 0.03D1

- ⊙ Please optimize the over-hang
- ⊙ Be in climb milling. Please lower the recommendations simultaneously in case cutting tools shake badly
- ⊙ Please use suitable coolants

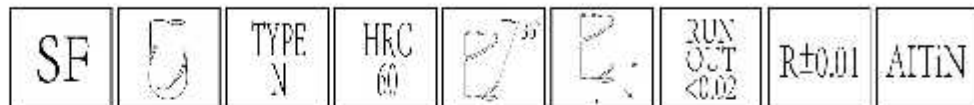
Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<HRC45	<HRC60	<HRC65						
⊙	⊙		⊙			⊙		

⊙ Preferential ○ Suitable

Metric Series for HRC60

Four Flute Ball Nose Long Length 四齿球头加长型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 ±14	L1 ±14	Flute No.	Order No.
RC.5	4	4	60	4	STCP1982601020
RC.75	4	6	60	4	STCP1982602020
R1.0	4	8	60	4	STCP1982603020
R1.25	4	10	60	4	STCP1982604020
R1.5	4	12	60	4	STCP1982605020
R1.75	4	12	60	4	STCP1982606020
R2.0	4	15	60	4	STCP1982607020
R2.25	6	20	75	4	STCP1982608020
R2.5	6	25	75	4	STCP1982609020
R2.75	6	25	75	4	STCP1982610020
R3.0	6	25	75	4	STCP1982611020
R3.5	8	30	75	4	STCP1982612020
R4	8	30	75	4	STCP1982613020
R4.5	10	40	100	4	STCP1982614020
R5.0	10	45	100	4	STCP1982615020
R6.0	12	45	100	4	STCP1982616020
R7.0	14	45	100	4	STCP1982617020
R8.0	16	60	150	4	STCP1982618020
R9.0	18	60	150	4	STCP1982619020
R10.0	20	60	150	4	STCP1982620020

Recommendation/推荐切削条件

D1 mm	aa mm	ap mm	n R/min	Vf mm/min
R3.C	0.30	0.18	6500	1200
R4.C	0.40	0.24	4650	1100
R5.C	0.50	0.30	3750	1000
R6.C	0.60	0.36	3300	850
R8.C	0.80	0.48	2500	650
R9.C	0.90	0.54	2150	600
R10.0	1.00	0.60	1900	620

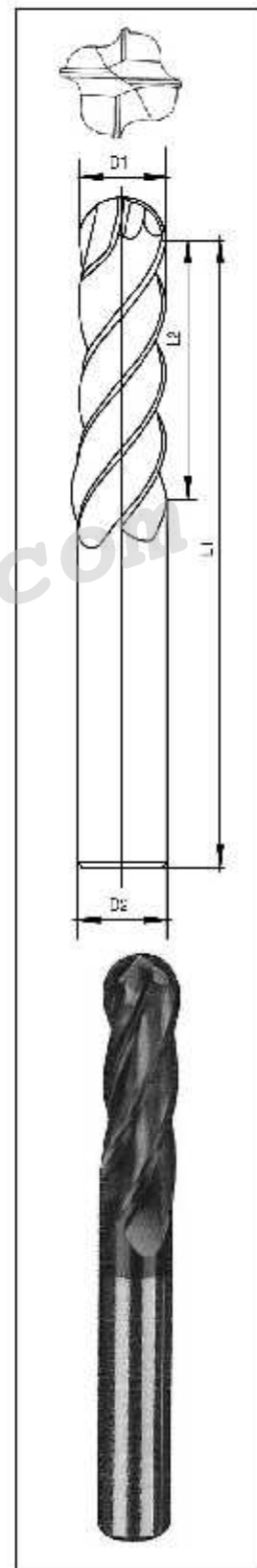
Illustration	aa 0.05D1	ap 0.03D1

- Please optimize the over-hang
- Be in climb milling. Please lower the recommendations simultaneously in case cutting tools shake badly
- Please use suitable coolants

Work Materials/被加工材质

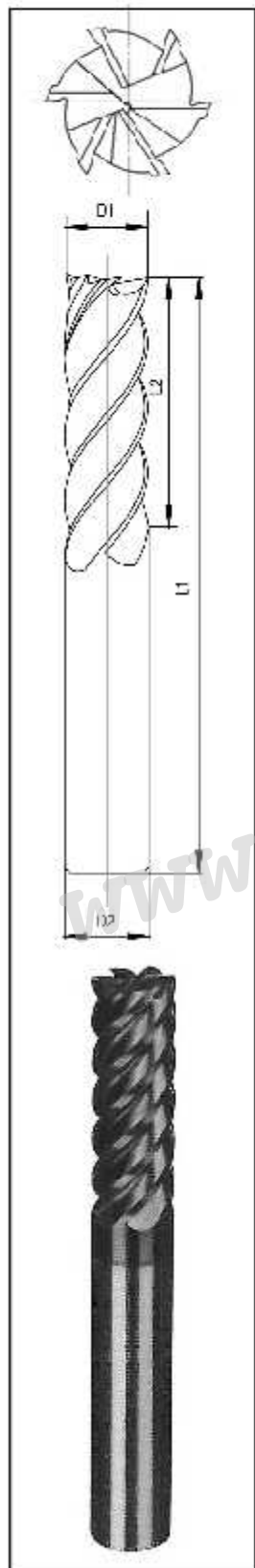
Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<math>< HRC45</math>	<math>< HRC60</math>	<math>< HRC65</math>						
○	○		○			○		

○ Preferential ○ Suitable



Metric Series for HRC60

Multiple Flute Standard For Super Finishing
多齿精加工标准型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
6.0	6	15	50	6	STCP1180608020
8.0	8	20	60	6	STCP1180608020
10.0	10	25	75	6	STCP1180610020
12.0	12	30	75	6	STCP1180612020
14.0	14	40	100	6	STCP1180614020
16.0	16	40	100	6	STCP1180616020
18.0	18	45	100	6	STCP1180618020
20.0	20	45	100	8	STCP1180620020
25.0	25	50	100	8	STCP1180625020

Recommendation/推荐切削条件

D1 mm	aa mm	ap mm	Speed R/min	Vf mm/min
6.0	9.0	0.3	5100	460
8.0	12.0	0.4	3850	580
10.0	15.0	0.5	3020	560
12.0	18.0	0.6	2550	550
16.0	24.0	0.8	1950	700
18.0	27.0	0.9	1700	670
20.0	30.0	1.0	1550	610

Illustration	ap 0.05D1	aa 1.5D1	
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- ⊕ Please optimize the over-hang
- ⊕ Be in climb milling. Please lower the recommendations simultaneously in case cutting tools shake badly
- ⊕ Please use suitable coolants

Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<HRC45	<HRC60	<HRC65						
⊕	⊕		⊕			⊕		

⊕ Preferential ⊕ Suitable

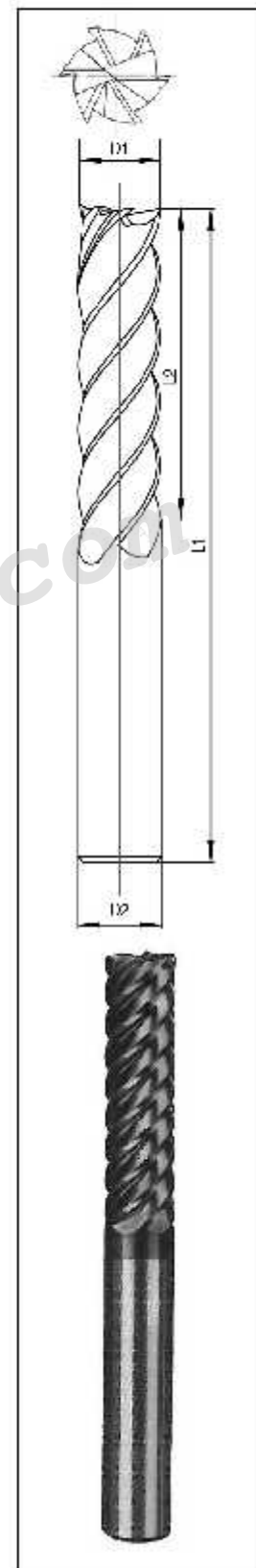
Metric Series for HRC60

Multiple Flute Long Length for Super Finishing
多齿精加工加长型



Type & Specifications/类型与规格

D1	D2	L2	L1	Flute No.	Order No.
6.0	6	25	75	6	STCP1-8300602C
8.0	8	30	75	6	STCP1-8300802C
10.0	10	40	100	6	STCP1-8301002C
12.0	12	45	100	6	STCP1-8301202C
14.0	14	45	100	6	STCP1-8301402C
16.0	16	60	150	6	STCP1-8301602C
18.0	18	60	150	6	STCP1-8301802C
20.0	20	60	150	6	STCP1-8302002C
25.0	25	70	150	6	STCP1-8302502C



Recommendation/推荐切削条件

D1 mm	aa mm	ap mm	Speed R/min	Vf mm/min
6.0	12.0	0.18	2660	230
8.0	16.0	0.24	1990	290
10.0	20.0	0.30	1510	280
12.0	24.0	0.36	1270	270
16.0	32.0	0.48	960	270
18.0	36.0	0.54	880	270
20.0	40.0	0.60	750	240

Illustration	ap	aa	
	0.03D1	2D1	

- Please optimize the over-hang
- Be in climb milling. Please lower the recommendations simultaneously in case cutting tools shake badly
- Please use suitable coolants

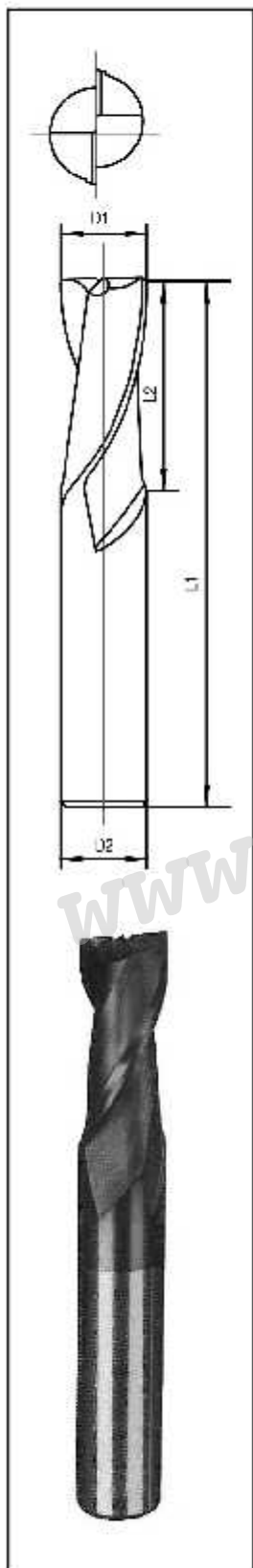
Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<HRC45	<HRC60	<HRC65						
○	○		○			○		

○ Preferential ○ Suitable

Metric Series for HRC45

Two Flute Standard 二齿标准型



Type & Specifications/类型与规格

D1 h10	D2 h8	L2 ±14	L1 ±14	Flute No.	Order No.
1.0	4	4	50	2	STCD1180101020
1.5	4	4	50	2	STCD1180102020
2.0	4	6	50	2	STCD1180103020
2.5	4	6	50	2	STCD1180104020
3.0	4	6	50	2	STCD1180105020
3.5	4	10	50	2	STCD1180108020
4.0	4	10	50	2	STCD1180107020
1.0	6	4	50	2	STCD1180108020
1.5	6	6	50	2	STCD1180109020
2.0	6	6	50	2	STCD1180110020
2.5	6	10	50	2	STCD1180111020
3.0	6	10	50	2	STCD1180112020
3.5	6	12	50	2	STCD1180113020
4.0	6	12	50	2	STCD1180114020
4.5	6	12	50	2	STCD1180115020
5.0	6	12	50	2	STCD1180116020
5.5	6	12	50	2	STCD1180117020
6.0	6	12	50	2	STCD1180118020
6.5	8	20	60	2	STCD1180119020
7.0	8	20	60	2	STCD1180120020
7.5	8	20	60	2	STCD1180121020
8.0	8	20	60	2	STCD1180122020
8.5	10	25	60	2	STCD1180123020
9.0	10	25	75	2	STCD1180124020
9.5	10	25	75	2	STCD1180125020
10.0	10	25	75	2	STCD1180126020
11.0	12	25	75	2	STCD1180127020
12.0	12	25	75	2	STCD1180128020
13.0	14	30	90	2	STCD1180129020
14.0	14	50	90	2	STCD1180130020
15.0	16	35	100	2	STCD1180131020
16.0	16	35	100	2	STCD1180132020
17.0	18	40	100	2	STCD1180133020
18.0	18	40	100	2	STCD1180134020
19.0	20	40	100	2	STCD1180135020
20.0	20	40	100	2	STCD1180136020
22.0	22	45	100	2	STCD1180137020
25.0	25	45	100	2	STCD1180138020

Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<HRC45	<HRC60	<HRC65						
☉			☉	○	○	○		

☉ Preferential ○ Suitable

Metric Series for HRC45

Two Flute Standard 二齿标准型



Recommendation/推荐切削条件

D1 mm	aa mm	ap mm	Speed R/min	Feed mm/min
1.0	0.10	1.0	15000	100
1.5	0.15	1.5	10550	100
2.0	0.20	2.0	7900	120
2.5	0.25	2.5	7000	120
3.0	1.05	3.0	5300	120
3.5	1.23	3.5	5800	120
4.0	1.40	4.0	4000	120
4.5	1.58	4.5	4000	120
5.0	1.75	5.0	3900	140
5.5	1.93	5.5	3300	140
6.0	3.00	6.0	2600	120
8.0	4.00	8.0	2100	110
10.0	5.00	10.0	1700	100
12.0	6.00	12.0	1350	100
16.0	8.00	16.0	1000	100
18.0	9.00	18.0	900	100
20.0	10.00	20.0	850	90

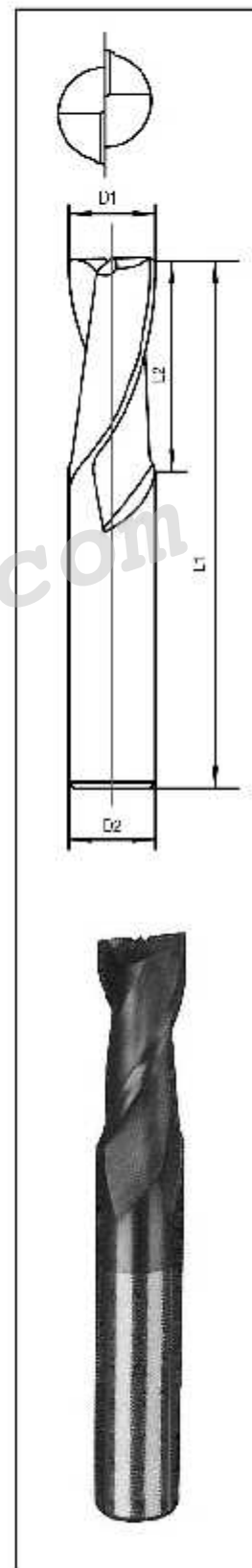


Illustration	ap	aa
	1 ≤ D1 < 3	0.1D1
	3 < D1 < 6	0.35D1
	6 ≤ D1	0.5D1

- ⊙ Please use rigid precision equipments and chucks
- ⊙ Be in climb milling. Please lower the recommendations simultaneously in case cutting tools shake badly
- ⊙ Please use suitable coolants

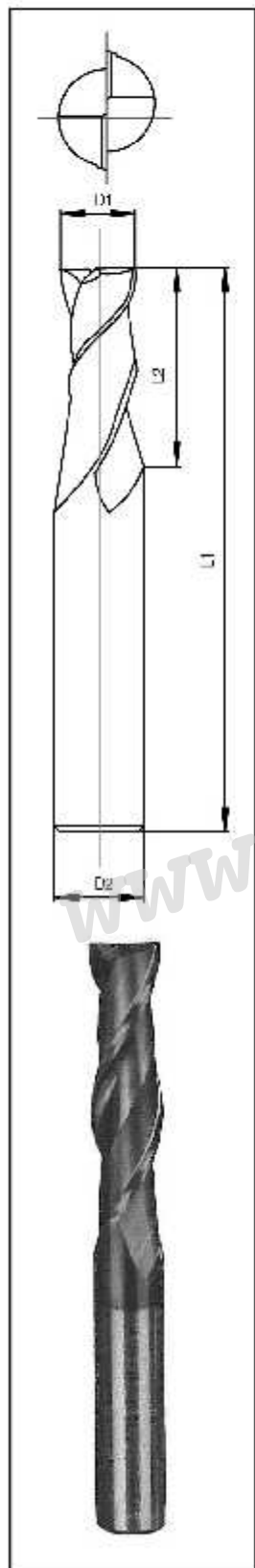
Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
< HRC45	< HRC60	< HRC65						
⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

⊙ Preferential ⊙ Suitable

Metric Series for HRC45

Two Flute Long Length
二齿加长型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
1.0	4	6	60	2	STCC1182201020
1.5	4	8	60	2	STCC1182202020
2.0	4	8	60	2	STCC1182203020
2.5	4	10	60	2	STCC1182204020
3.0	4	12	60	2	STCC1182205020
3.5	4	15	60	2	STCC1182206020
4.0	4	15	60	2	STCC1182207020
4.5	6	25	75	2	STCC1182208020
5.0	6	25	75	2	STCC1182209020
6.0	6	25	75	2	STCC1182210020
7.0	8	30	75	2	STCC1182211020
8.0	8	30	75	2	STCC1182212020
9.0	10	40	100	2	STCC1182213020
10.0	10	40	100	2	STCC1182214020
11.0	12	45	100	2	STCC1182215020
12.0	12	45	100	2	STCC1182216020
13.0	14	45	100	2	STCC1182217020
14.0	14	45	100	2	STCC1182218020
15.0	16	60	150	2	STCC1182219020
16.0	16	60	150	2	STCC1182220020
18.0	18	60	150	2	STCC1182221020
20.0	20	60	150	2	STCC1182222020
25.0	25	70	150	2	STCC1182223020

Recommendation/推荐切削条件

D1 mm	aa mm	ap mm	Speed R/min	Vf mm/min
2.0	4	0.04	4350	60
3.0	6	0.05	2900	60
4.0	6	0.08	2200	60
5.0	10	0.1	1800	60
6.0	12	0.12	1430	60
8.0	15	0.15	1150	60
10.0	30	0.2	930	50
12.0	36	0.24	740	50
16.0	45	0.32	550	50
18.0	54	0.35	490	50
20.0	60	0.4	460	50

Illustration	$D_1 < 8$	$D_1 > 8$	a_a 0.02D1	a_a 2D1	a_a 3D1

- ⊙ Please optimize the over-hang
- ⊙ Be in climb milling. Please lower the recommendations simultaneously in case cutting tools shake badly
- ⊙ Please use suitable coolants

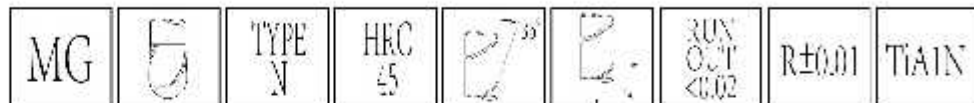
Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<HRC45	<HRC60	<HRC65						
⊙			⊙	○	○	○		

⊙ Preferential ○ Suitable

Metric Series for HRC45

Two Flute Standard 二齿球头标准型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
RC.5	4	3	50	2	STCD199010102C
RC.75	4	4	50	2	STCD199010202C
R1.0	4	4	50	2	STCD199010302C
R1.25	4	6	50	2	STCD199010402C
R1.5	4	6	50	2	STCD199010502C
H1.75	4	8	50	2	STCD199010602C
R2.0	4	8	50	2	STCD199010702C
RC.5	6	4	50	2	STCD199010802C
R1.0	6	6	50	2	STCD199010902C
R1.5	6	8	50	2	STCD199011002C
R2.0	6	10	50	2	STCD199011102C
R2.25	6	12	50	2	STCD199011202C
R2.5	6	12	50	2	STCD199011302C
R2.75	6	12	50	2	STCD199011402C
R3.0	6	12	50	2	STCD199011502C
R3.5	8	15	60	2	STCD199011602C
R4.0	8	15	60	2	STCD199011702C
R4.5	10	20	75	2	STCD199011802C
R5.0	10	20	75	2	STCD199011902C
R5.5	12	20	75	2	STCD199012002C
R6.0	12	20	75	2	STCD199012102C
R6.5	14	30	90	2	STCD199012202C
R7.0	14	30	90	2	STCD199012302C
R7.5	16	30	100	2	STCD199012402C
H8.0	16	30	100	2	STCD199012502C
R9.0	18	35	100	2	STCD199012602C
R10.0	20	35	100	2	STCD199012702C
R12.5	25	40	100	2	STCD199012802C

Recommendation/推荐切削条件

D1 mm	aa mm	ap mm	Speed R/min	Vf mm/min
R1.0	0.20	0.60	11000	550
R1.5	0.30	0.90	7200	540
R2.0	0.40	1.20	5500	450
R3.0	0.60	1.80	3800	390
R4.0	0.80	2.40	2800	380
R5.0	1.00	3.00	2100	320
R6.0	1.20	3.60	1800	290

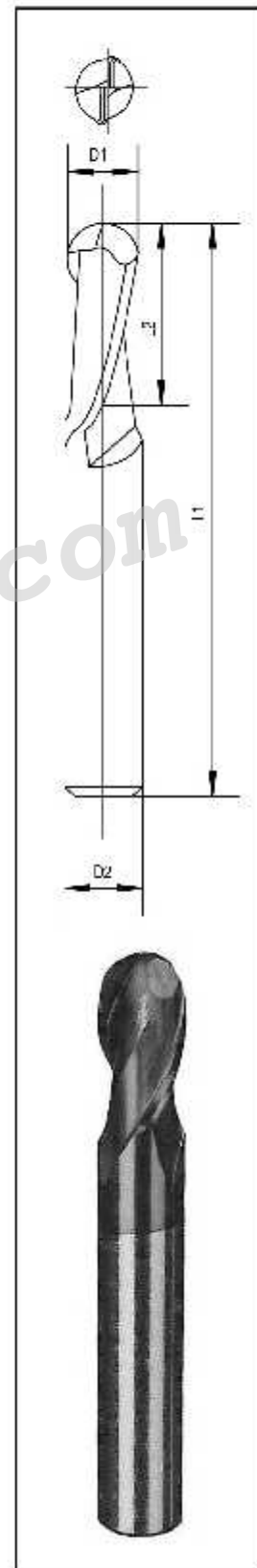
Illustration	ap 0.3D1	aa 0.1D1

- ⊙ Please use rigid and precision equipments and chucks
- ⊙ Be in climb milling. Please lower the recommendations simultaneously in case cutting tools shake badly
- ⊙ Please use suitable coolants

Work Materials/被加工材质

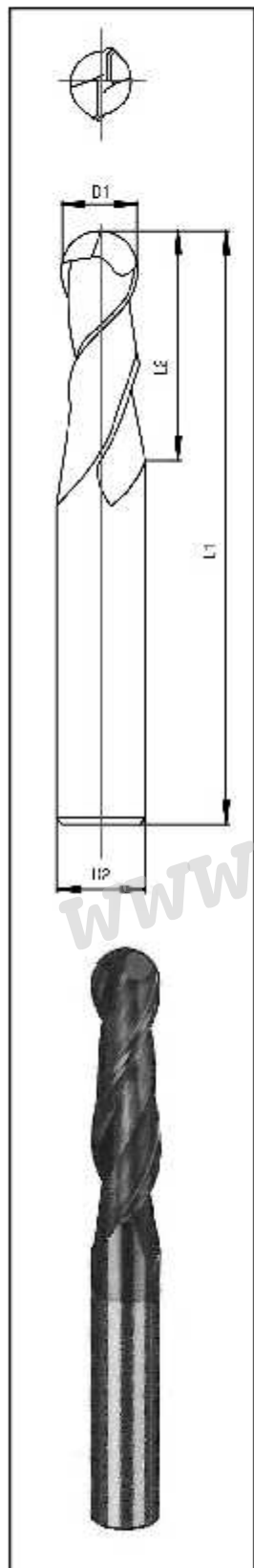
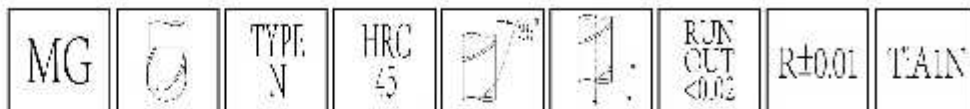
Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<<HRC45	<<HRC60	<<HRC65						
⊙			⊙	○	○	○		

⊙ Preferential ○ Suitable



Metric Series for HRC45

Two Flute Ball Nose Long Length
二齿球头加长型



Type & Specifications/类型与规格

D1 h12	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
R0.5	4	4	60	2	STCC1982201020
R0.75	4	6	60	2	STCC1982202020
R1.0	4	8	60	2	STCC1982203020
R1.25	4	10	60	2	STCC1982204020
R1.5	4	12	60	2	STCC1982205020
R1.75	4	12	60	2	STCC1982206020
R2.0	4	15	60	2	STCC1982207020
R2.25	6	20	75	2	STCC1982208020
R2.5	6	25	75	2	STCC1982209020
R2.75	6	25	75	2	STCC1982210020
R3.0	6	25	75	2	STCC1982211020
R3.5	8	30	75	2	STCC1982212020
R4.0	8	30	75	2	STCC1982213020
R4.5	10	40	100	2	STCC1982214020
R5.0	10	40	100	2	STCC1982215020
R6.0	12	45	100	2	STCC1982216020
R7.0	14	45	100	2	STCC1982217020
R8.0	16	60	150	2	STCC1982218020
R9.0	18	60	150	2	STCC1982219020
R10.0	20	60	150	2	STCC1982220020

Recommendation/推荐切削条件

D1 mm	ap mm	ap mm	Speed R/min	Feed mm/min
R1.0	0.2-0.6	0.30	10400	520
R1.5	0.3-0.9	0.45	6840	510
R2.0	0.4-1.2	0.60	5200	420
R3.0	0.6-1.8	0.90	3400	370
R4.0	0.8-2.4	1.20	2470	360
R5.0	1.0-3.0	1.50	1990	300
R8.0	1.2-3.6	1.80	1700	270

Illustration	ap 0.15D1	ae 0.1-0.3D1	
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- ⊙ Please optimize the over-hang
- ⊙ Be in climb milling. Please lower the recommendations simultaneously in case cutting tools shake badly
- ⊙ Please use suitable coolants

Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<math>< HRC45</math>	<math>< HRC60</math>	<math>< HRC65</math>						
⊙			⊙	⊙	⊙	⊙		

⊙ Preferential ⊙ Suitable

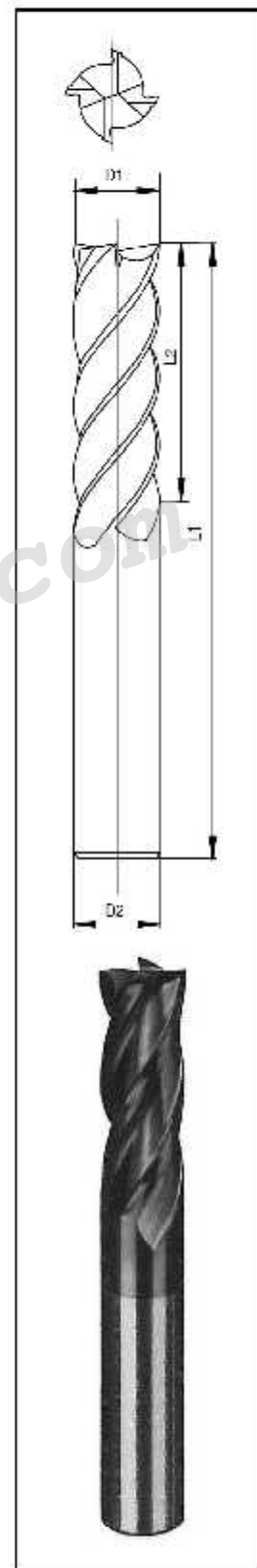
Metric Series for HRC45

Four Flute Long Length 四齿加长型



Type & Specifications/类型与规格

D1 h10	D2 h8	L2 js14	L1 js14	Flute No.	Order No.
1.0	4	6	60	4	STCC1182601020
1.5	4	8	60	4	STCC1182602020
2.0	4	8	60	4	STCC1182603020
2.5	4	10	60	4	STCC1182604020
3.0	4	12	60	4	STCC1182605020
3.5	4	15	60	4	STCC1182606020
4.0	4	15	60	4	STCC1182607020
4.5	6	25	75	4	STCC1182608020
5.0	6	25	75	4	STCC1182609020
6.0	6	25	75	4	STCC1182610020
7.0	8	30	75	4	STCC1182611020
8.0	8	30	75	4	STCC1182612020
9.0	10	40	100	4	STCC1182613020
10.0	10	40	100	4	STCC1182614020
11.0	12	45	100	4	STCC1182615020
12.0	12	45	100	4	STCC1182616020
13.0	14	45	100	4	STCC1182617020
14.0	14	45	100	4	STCC1182618020
15.0	18	60	150	4	STCC1182619020
16.0	16	60	150	4	STCC1182620020
18.0	18	60	150	4	STCC1182621020
20.0	20	60	150	4	STCC1182622020
25.0	25	70	150	4	STCC1182623020



Recommendation/推荐切削条件

D1 mm	aa mm	ap mm	n R/min	Vf mm/min
2.0	4	0.04	5300	150
3.0	6	0.06	3530	150
4.0	8	0.08	2670	160
5.0	10	0.1	2100	180
6.0	13	0.12	1750	180
8.0	24	0.16	1330	180
10.0	30	0.2	1100	180
12.0	38	0.24	900	180
16.0	48	0.32	680	160
20.0	60	0.4	530	150

Illustration	D1 <math>< 6</math>	ap	aa
	D1 ≥ 6	0.02D1	2D1
		0.02D1	3D1

- ⊙ Please optimize the over-hang
- ⊙ Be in climb milling. Please lower the recommendations simultaneously in case cutting tools shake badly
- ⊙ Please use suitable coolants

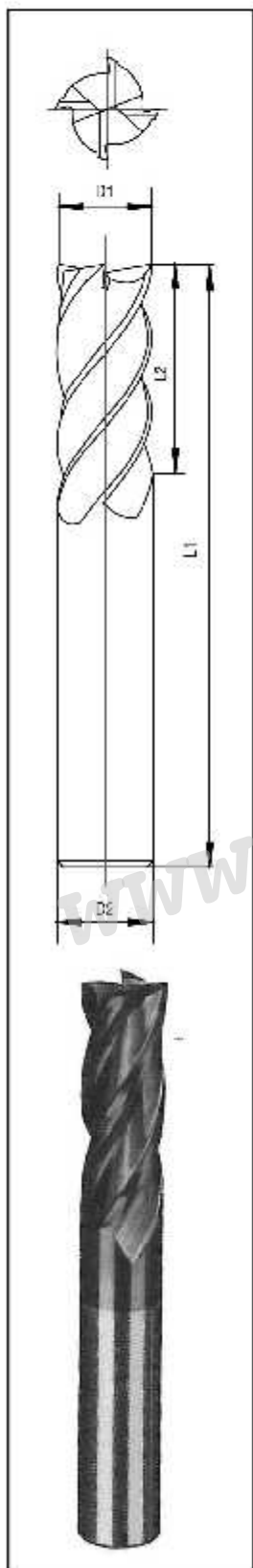
Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<math>< 11\text{HRC}45</math>	<math>< 11\text{HRC}60</math>	<math>< 11\text{HRC}65</math>						
⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

⊙ Preferential ⊙ Suitable

Metric Series for HRC45

Four Flute Standard 四齿标准型



Type & Specifications/类型与规格

D1 ±10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
1.0	4	4	50	4	STCD1180501020
1.5	4	6	50	4	STCD1180502020
2.0	4	6	50	4	STCD1180503020
2.5	4	8	50	4	STCD1180504020
3.0	4	8	50	4	STCD1180505020
3.5	4	10	50	4	STCD1180506020
4.0	4	10	50	4	STCD1180507020
1.0	6	6	50	4	STCD1180508020
1.5	6	8	50	4	STCD1180509020
2.0	6	8	50	4	STCD1180510020
2.5	6	10	50	4	STCD1180511020
3.0	6	10	50	4	STCD1180512020
3.5	6	12	50	4	STCD1180513020
4.0	6	12	50	4	STCD1180514020
4.5	6	12	50	4	STCD1180515020
5.0	6	15	50	4	STCD1180516020
5.5	6	15	50	4	STCD1180517020
6.0	6	15	50	4	STCD1180518020
6.5	6	25	60	4	STCD1180519020
7.0	6	25	60	4	STCD1180520020
7.5	6	25	60	4	STCD1180521020
8.0	6	25	60	4	STCD1180522020
8.5	10	30	75	4	STCD1180523020
9.0	10	30	75	4	STCD1180524020
9.5	10	30	75	4	STCD1180525020
10.0	10	30	75	4	STCD1180526020
11.0	12	30	75	4	STCD1180527020
12.0	12	30	75	4	STCD1180528020
13.0	14	35	90	4	STCD1180529020
14.0	14	35	90	4	STCD1180530020
15.0	16	40	100	4	STCD1180531020
16.0	16	40	100	4	STCD1180532020
17.0	16	45	100	4	STCD1180533020
18.0	16	45	100	4	STCD1180534020
19.0	20	45	100	4	STCD1180535020
20.0	20	45	100	4	STCD1180536020
22.0	22	75	100	4	STCD1180537020
25.0	25	50	100	4	STCD1180538020

Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<math>< HRC45</math>	<math>< HRC60</math>	<math>< HRC65</math>						
☉			☉	○	○	○		

☉ Preferential ○ Suitable

Metric Series for HRC45

Four Flute Standard 四齿标准型



Recommendation/推荐切削条件

D1 mm	a _a mm	a _p mm	n R/min	Vf mm/min
1.0	1.5	0.05	18300	200
2.0	3	0.1	9200	280
3.0	4.5	0.21	6090	280
4.0	6	0.23	4520	300
5.0	7.5	0.35	3660	330
6.0	9	0.6	3050	330
8.0	12	0.8	2310	330
10.0	15	1	1890	330
12.0	18	1.2	1570	330

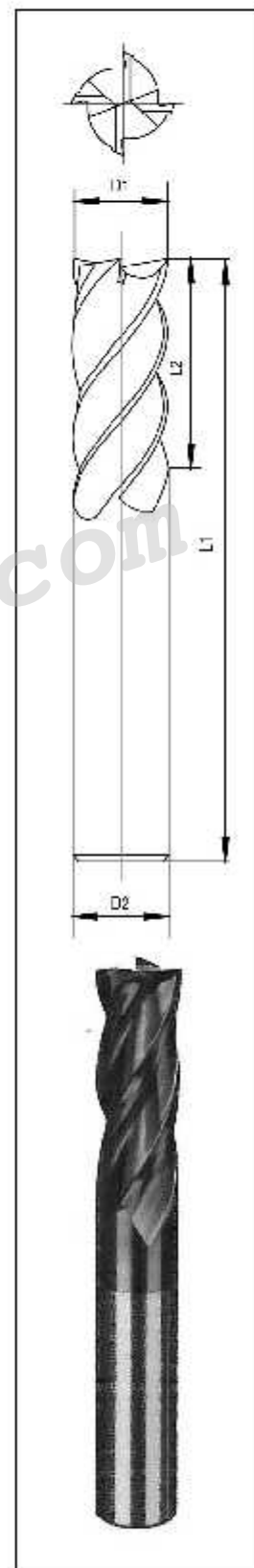


Illustration	a_a	a_p
$1 < D1 < 3$	$1.5D1$	$0.05D1$
$3 \leq D1 < 6$	$1.5D1$	$0.07D1$
$6 \leq D1$	$1.5D1$	$0.1D1$

- ☉ Please use rigid precision equipments and chunks
- ☉ Be in climb milling. Please lower the recommendations simultaneously in case cutting tools shake badly
- ☉ Please use suitable coolants

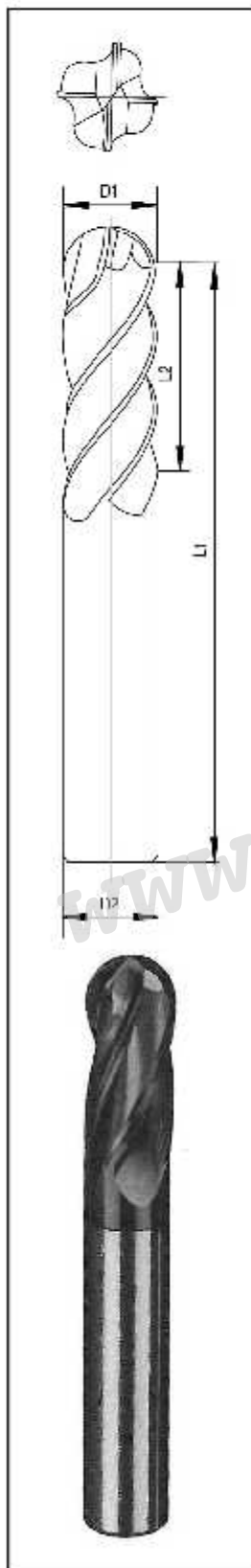
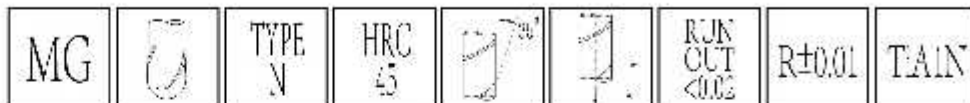
Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<HRC45	<HRC60	<HRC65						
☉			☉	☉	☉	☉		

☉ Preferential ☉ Suitable

Metric Series for HRC45

Four Flute Ball Nose 四齿球头标准型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
R0.5	4	3	50	4	STCD1980501C20
R1.0	4	4	50	4	STCD1980502C20
R1.5	4	6	50	4	STCD1980503C20
R2.0	4	6	50	4	STCD1980504C20
R1.0	6	6	50	4	STCD1980505C20
R1.5	6	8	50	4	STCD1980506C20
R2.0	6	10	50	4	STCD1980507C20
R2.5	6	12	50	4	STCD1980508C20
R3.0	6	12	50	4	STCD1980509C20
R4.0	8	20	60	4	STCD1980510C20
H5.0	10	25	75	4	SICU1980511C20
R6.0	12	25	75	4	STCD1980512C20
R7.0	14	35	90	4	STCD1980513C20
R6.0	16	35	100	4	STCD1980514C20
R6.0	18	40	100	4	STCD1980515C20
R10.0	20	40	100	4	STCD1980516C20

Recommendation/推荐切削条件

Roughing/粗铣				
D1 mm	aa mm	ap mm	n R/min	Vf mm/min
R3.C	0.60	1.20	7980	650
R4.C	0.80	1.60	5950	630
R5.C	1.00	2.00	4750	550
R6.C	1.20	2.40	3960	450
R8.C	1.60	3.20	2970	450

Finishing/精铣				
D1 mm	aa mm	ap mm	n R/min	Vf mm/min
R3.C	0.12	0.30	9980	4050
R4.C	0.15	0.40	7500	3500
R5.C	0.20	0.50	6000	3060
R6.C	0.24	0.60	5000	2300
R8.C	0.32	0.80	3730	2200

Illustration	aa	
	Finishing	Roughing
	0.05D1	0.1D1
	0.02D1	0.2D1

- ⊙ Please use rigid and precision equipments and chucks
- ⊙ Be in climb milling. Please lower the recommendations simultaneously in case cutting tools shake badly
- ⊙ Please use suitable coolants

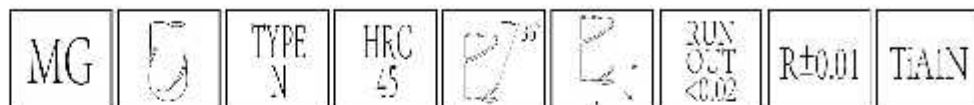
Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<HRC45	<HRC60	<HRC65						
⊙			⊙	⊙	⊙	⊙		

⊙ Preferential ⊙ Suitable

Metric Series for HRC45

Four Flute Ball Nose Long Length 四齿球头加长型

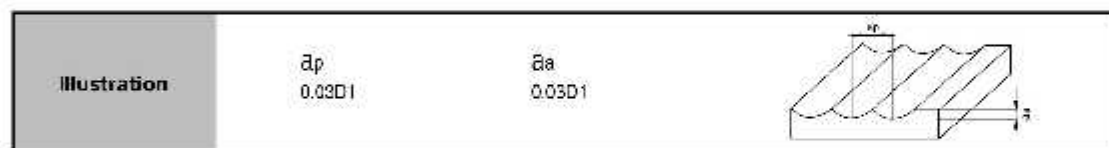


Type & Specifications/类型与规格

D1 r10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
R0.6	4	4	60	4	STCD1982601020
R0.75	4	6	60	4	STCD1982602020
R1.0	4	8	60	4	STCD1982603020
R1.25	4	10	60	4	STCD1982604020
R1.5	4	12	60	4	STCD1982605020
R1.75	4	12	60	4	STCD1982606020
R2.0	4	15	60	4	STCD1982607020
R2.25	6	20	75	4	STCD1982608020
R2.5	6	25	75	4	STCD1982609020
R2.75	6	25	75	4	STCD1982610020
R3.0	6	25	75	4	SICU1982611020
R3.6	8	30	75	4	STCD1982612020
R4.0	8	30	75	4	STCD1982613020
R4.5	10	40	100	4	STCD1982614020
R5.0	10	40	100	4	STCD1982615020
R6.0	12	45	100	4	STCD1982616020
R7.0	14	45	100	4	STCD1982617020
R8.0	16	60	150	4	STCD1982618020
R9.0	18	60	150	4	STCD1982619020
R10.0	20	60	150	4	STCD1982620020

Recommendation/推荐切削条件

D1 mm	aa mm	ap mm	n R/min	Vf mm/min
R3.C	0.18	0.18	4980	2000
R4.C	0.24	0.24	3750	1700
R5.C	0.30	0.30	3000	1520
R6.C	0.36	0.36	2500	1430
R8.C	0.48	0.48	1890	1070

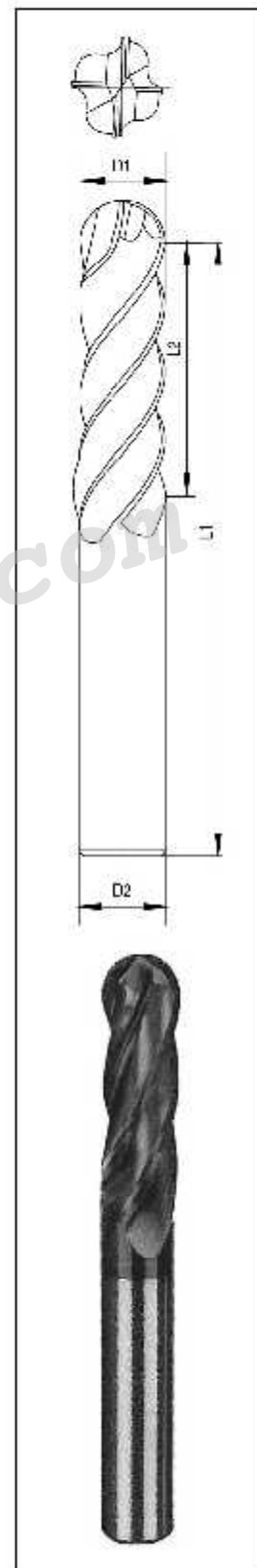


- ⊙ Please optimize the over-hang
- ⊙ Be in climb milling. Please lower the recommendations simultaneously in case cutting tools shake badly
- ⊙ Please use suitable coolants

Work Materials/被加工材质

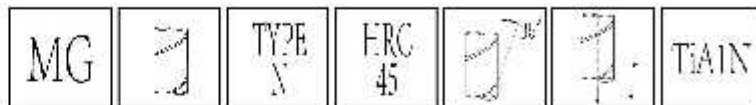
Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<math>< HRC45</math>	<math>< HRC60</math>	<math>< HRC65</math>						
⊙			⊙	○	○	○		

⊙ Preferential ○ Suitable



Metric Series for HRC45

Four Flute Roughing
四齿波刃标准型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
6.0	6	15	50	4	STCC1580506020
8.0	8	25	80	4	STCC1580508020
10.0	10	30	75	4	STCC1580510020
12.0	12	30	75	4	STCC1580512020
14.0	14	35	90	4	STCC1580514020
16.0	16	40	100	4	STCC1580516020
18.0	18	45	100	4	STCC1580518020
20.0	20	45	100	4	STCC1580520020
25.0	25	50	100	4	STCC1580522020

Recommendation/推荐切削条件

D1 mm	aa mm	ap mm	n R/min	Vf mm/min
6.0	9.0	1.8	2950	200
8.0	12.0	2.4	2200	230
10.0	15.0	3.0	1800	240
12.0	18.0	3.6	1450	250
14.0	21.0	4.2	1260	260
16.0	24.0	4.8	1100	260
18.0	27.0	5.4	1100	260
20.0	30.0	6.0	950	240



- ⊙ Please optimize the over-hang
- ⊙ Be in climb milling. Please lower the recommendations simultaneously in case cutting tools shake badly
- ⊙ Please use suitable coolants

Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<HRC45	<HRC60	<HRC65						
⊙			⊙	○	○	○		

⊙ Preferential ○ Suitable

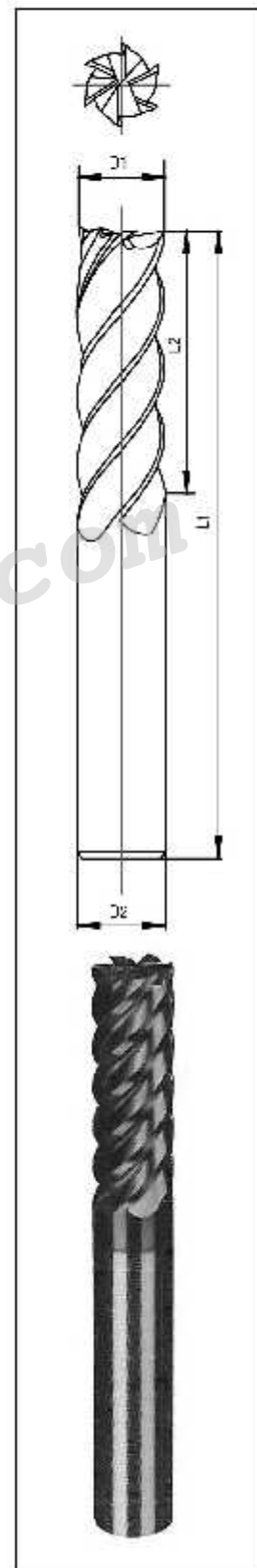
Metric Series for HRC45

Multiple Flute Standard for Super Finishing
多齿精加工标准型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
6.0	6	15	30	6	STCD1-80608020
8.0	8	25	60	6	STCD1-80608020
10.0	10	30	75	6	STCD1-80610020
12.0	12	30	75	6	STCD1-80612020
14.0	14	40	100	6	STCD1-80614020
16.0	16	40	100	6	STCD1-80616020
18.0	18	45	100	6	STCD1-80618020
20.0	20	45	100	6	STCD1-80620020
25.0	25	50	100	6	STCD1-80625020



Recommendation/推荐切削条件

D1 mm	aa mm	ap mm	n R/min	Vf mm/min
6.0	9.0	0.3	8500	600
8.0	12.0	0.4	4900	730
10.0	15.0	0.5	3920	700
12.0	18.0	0.6	3250	680
16.0	24.0	0.8	2500	880

Illustration	ap	aa	
	0.05D1	1.5D1	

- ⊙ Please optimize the over-hang
- ⊙ Be in climb milling. Please lower the recommendations simultaneously in case cutting tools shake badly
- ⊙ Please use suitable coolants

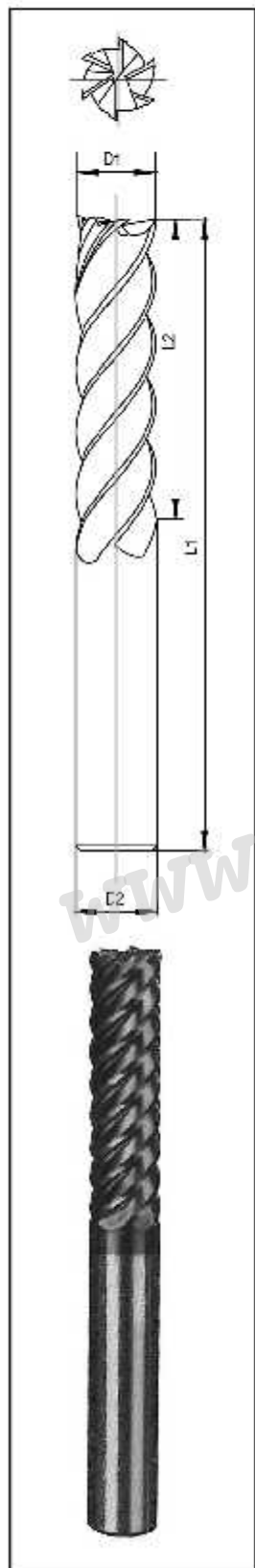
Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<HRC45	<HRC60	<HRC65						
⊙			⊙	○	○	○		

⊙ Preferential ○ Suitable

Metric Series for HRC45

Multiple Flute Long Length for Super Finishing
多齿精加工加长型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
6.0	6	25	75	6	STCC1183006020
8.0	8	30	75	6	STCC1183008020
10.0	10	40	100	6	STCC1183010020
12.0	12	45	100	6	STCC1183012020
14.0	14	45	100	6	STCC1183014020
16.0	16	60	150	6	STCC1183016020
18.0	18	60	150	6	STCC1183018020
20.0	20	60	150	8	STCC1183020020
25.0	25	70	150	8	STCC1183025020

Recommendation/推荐切削条件

D1 mm	aa mm	ap mm	n R/min	Vf mm/min
6.0	12.0	0.2	3250	300
8.0	15.0	0.2	2460	300
10.0	20.0	0.3	1960	350
12.0	24.0	0.4	1650	340
16.0	32.0	0.5	1200	450

Illustration	aa 0.05D1	aa 2D1	

- ⊙ Please optimize the over-hang
- ⊙ Be in climb milling. Please lower the recommendations simultaneously in case cutting tools shake badly
- ⊙ Please use suitable coolants

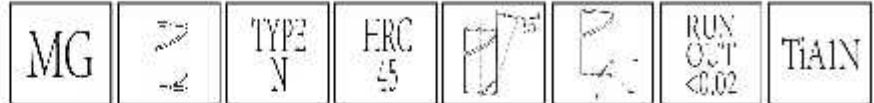
Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<HRC45	<HRC60	<HRC65						
⊙			⊙	○	○	○		

⊙ Preferential ○ Suitable

Metric Series for HRC45

Two Flute With Corner Radius 二齿圆弧角型



Type & Specifications/类型与规格

D1 h10	Corner Radius	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
4.0	R0.2	6	10	60	2	STCD1-80104020
4.0	R0.5	6	10	60	2	STCD1-80105020
4.0	R1.0	6	10	60	2	STCD1-80106020
6.0	R0.2	6	12	75	2	STCD1-80107020
6.0	R0.5	6	12	75	2	STCD1-80108020
6.0	R1.0	6	12	75	2	STCD1-80109020
8.0	R0.5	8	20	75	2	STCD1-80110020
8.0	R1.0	8	20	75	2	STCD1-80111020
8.0	R1.5	8	20	75	2	STCD1-80112020
8.0	R2.0	8	20	100	2	STCD1-80113020
10.0	R0.5	10	25	100	2	STCD1-80114020
10.0	R1.0	10	25	100	2	STCD1-80115020
10.0	R1.5	10	25	100	2	STCD1-80116020
10.0	R2.0	10	25	100	2	STCD1-80117020
12.0	R1.0	12	25	100	2	STCD1-80118020
12.0	R1.5	12	25	100	2	STCD1-80119020
12.0	R2.0	12	25	100	2	STCD1-80120020

Recommendation/推荐切削条件

D1 mm	aa mm	Slot Milling			Side Milling		
		ap mm	n F/min	Vf mm/min	ap mm	n R/min	Vf mm/min
4	4	1.2	3300	60	0.4	3300	130
4	4	1.2	3300	60	0.4	3300	130
4	4	1.2	3300	60	0.4	3300	130
6	6	1.8	1670	50	0.6	1560	110
6	6	1.8	1670	50	0.6	1560	110
6	6	1.8	1670	50	0.6	1560	110
8	8	2.4	1250	50	0.8	1250	110
8	8	2.4	1250	50	0.8	1250	110
8	8	2.4	1250	50	0.8	1250	110
8	8	2.4	1250	50	0.8	1250	110
10	10	3.0	1050	50	1.0	1050	110
10	10	3.0	1050	50	1.0	1050	110
10	10	3.0	1050	50	1.0	1050	110
10	10	3.0	1050	50	1.0	1050	110
12	12	3.6	830	50	1.2	830	110
12	12	3.6	830	50	1.2	830	110
12	12	3.6	830	50	1.2	830	110

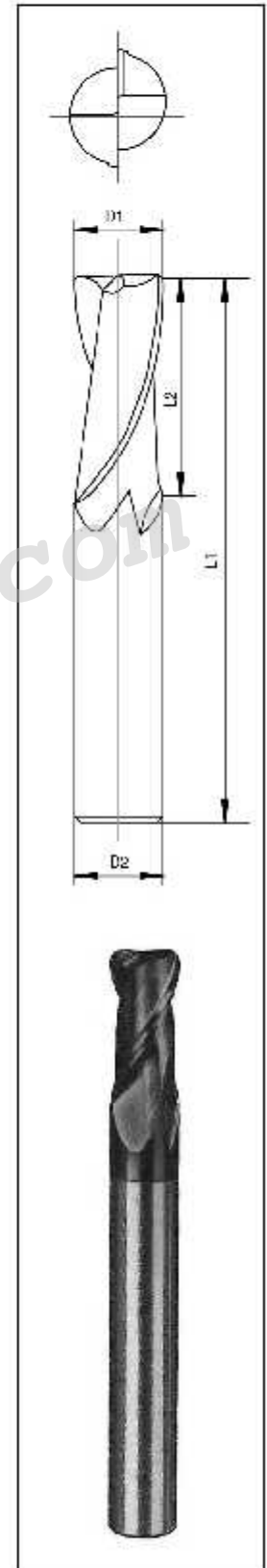


- ⊙ Please use rigid and precision equipments and chucks
- ⊙ Be in climb milling. Please lower the recommendations simultaneously in case cutting tools shake badly
- ⊙ Please use suitable coolants

Work Materials/被加工材质

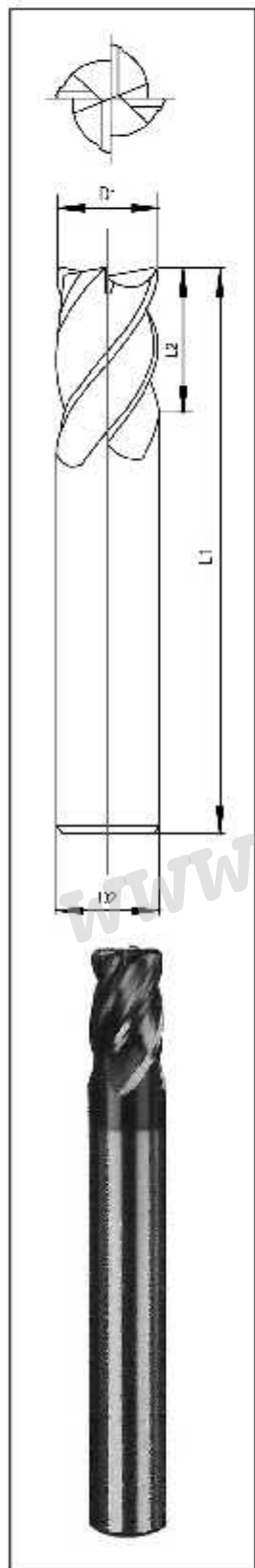
Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<HRC45	<HRC60	<HRC65						
⊙			⊙	○	○	○		

⊙ Preferential ○ Suitable



Metric Series for HRC45

Four Flute With Corner Radius Stub Length
四齿圆弧角短刃型



Type & Specifications/类型与规格

D1 h10	Corner Radius	D2 h6	L2 js4	L1 js14	Flute No.	Order No.
6	R0.5	6	8	75	4	STCC1-80506020
6	R1.0	6	8	75	4	STCC1-80507020
8	R1.0	8	10	75	4	STCC1-80508020
8	R1.5	8	10	75	4	STCC1-80509020
8	R2.0	8	10	75	4	STCC1-80510020
10	R1.0	10	12	100	4	STCC1-80511020
10	R1.5	10	12	100	4	STCC1-80512020
10	R2.0	10	12	100	4	STCC1-80513020
12	R1.0	12	15	100	4	STCC1-80514020
12	R1.5	12	15	100	4	STCC1-80515020
12	R2.0	12	15	100	4	STCC1-80516020

Recommendation/推荐切削条件

D1 mm	aa mm	ap mm	n R/min	Vf mm/min
6	4.5	0.8	3450	3650
6	4.5	0.8	3450	3650
8	6	0.8	2600	3650
8	6	0.8	2600	3650
8	6	0.8	2600	3650
10	7.5	1	2050	3600
10	7.5	1	2050	3600
10	7.5	1	2050	3600
12	9	1.2	1700	3460
12	9	1.2	1700	3460
12	9	1.2	1700	3460

Illustration	ap 0.1D1	aa 0.75D1	
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- ⊙ Please use rigid and Precision equipments and chucks
- ⊙ Be in climb milling. Please lower the recommendations simultaneously in case cutting tools shake badly
- ⊙ Please use suitable coolants

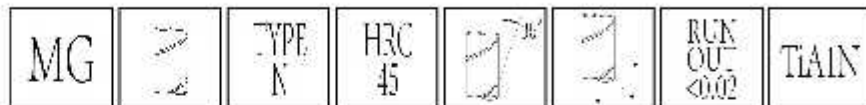
Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<HRC45	<HRC60	<HRC65						
⊙	○	○	⊙	○	○	○	○	○

⊙ Preferential ○ Suitable

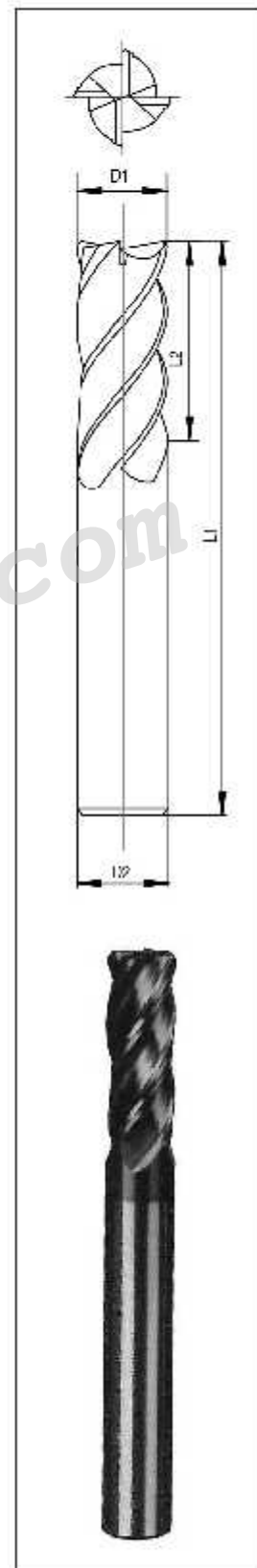
Metric Series for HRC45

Four Flute With Corner Radius 四齿圆弧角型



Type & Specifications/类型与规格

D1 mm	Corner Radius	D2 mm	L2 mm	L1 mm	Flute No	Order No.
5	R0.5	6	15	75	4	STCD1-80530020
6	R1.0	6	15	75	4	STCD1-80531020
8	R1.0	8	25	75	4	STCD1-80532020
8	R1.5	8	25	75	4	STCD1-80533020
8	R2.0	8	25	75	4	STCD1-80534020
10	R1.0	10	30	100	4	STCD1-80535020
10	R1.5	10	30	100	4	STCD1-80536020
10	R2.0	10	30	100	4	STCD1-80537020
12	R1.0	12	30	100	4	STCD1-80538020
12	R1.5	12	30	100	4	STCD1-80539020
12	R2.0	12	30	100	4	STCD1-80540020



Recommendation/推荐切削条件

D1 mm	aa mm	ap mm	n R/min	Vf mm/min
6	9.0	0.6	3500	680
6	9.0	0.6	3500	680
8	12.0	0.8	2650	680
8	12.0	0.8	2650	680
8	12.0	0.8	2650	680
10	15.0	1.0	2090	680
10	15.0	1.0	2090	680
10	15.0	1.0	2090	680
12	18.0	1.2	1760	680
12	18.0	1.2	1760	680
12	18.0	1.2	1760	680

Illustration	ap 0.01D1	aa 1.5D1

- ⊗ Please use rigid and Precision equipments and chucks
- ⊗ Be in climb milling. Please lower the recommendations simultaneously in case cutting tools shake badly
- ⊗ Please use suitable coolants

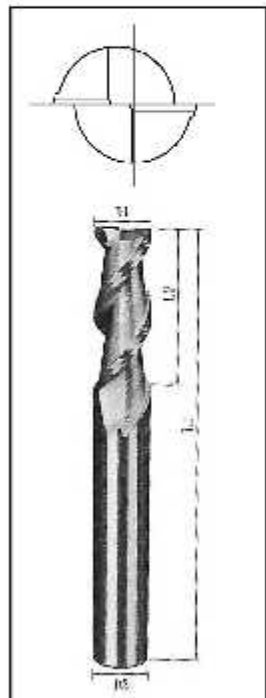
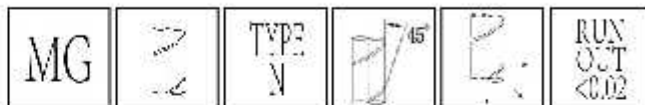
Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<HRC45	<HRC60	<HRC65						
⊗			⊗	⊙	⊙	⊙		

⊗ Preferential ⊙ Suitable

Metric Series

Two Flute Standard for Aluminum 二齿铝合金加工用标准型



Type & Specifications/类型与规格

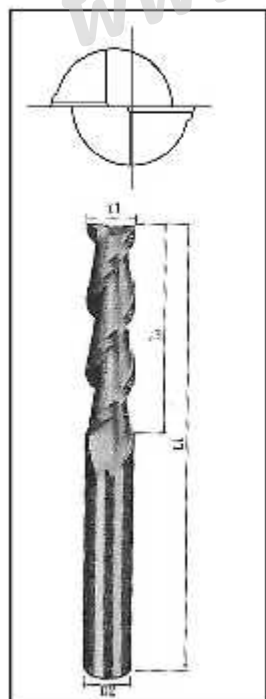
D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
2.0	4	6	50	2	STCL118010202C
2.5	4	8	50	2	STCL118010302C
3.0	4	8	50	2	STCL118010402C
3.5	4	10	50	2	STCL118010502C
4.0	4	10	50	2	STCL118010602C
2.0	6	8	50	2	STCL118010702C
3.0	6	10	50	2	STCL118010802C
4.0	6	12	50	2	STCL118010902C
5.0	6	12	50	2	STCL118011002C
6.0	6	12	50	2	STCL11801102C
7.0	8	20	60	2	STCL118011202C
8.0	8	20	60	2	STCL118011302C
9.0	10	25	75	2	STCL118011402C
10.0	10	25	75	2	STCL118011502C
12.0	12	25	75	2	STCL118011602C
14.0	14	30	90	2	STCL118011702C
16.0	16	35	100	2	STCL118011802C
18.0	18	40	100	2	STCL118011902C
20.0	20	40	100	2	STCL118012002C

Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<HRC45	<HRC60	<HRC65						
				☉				

☉ Preferential ○ Suitable

Two Flute Length Length for Aluminum 二齿铝合金加工用加长型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
2.0	4	8	60	2	STCL118220202C
2.5	4	12	60	2	STCL118220302C
3.0	4	12	60	2	STCL118220402C
3.5	4	15	60	2	STCL118220502C
4.0	4	15	60	2	STCL118220602C
5.0	6	25	75	2	STCL118220702C
6.0	6	25	75	2	STCL118220802C
8.0	8	30	75	2	STCL118220902C
10.0	10	40	100	2	STCL118221002C
12.0	12	45	100	2	STCL11822102C
14.0	14	45	100	2	STCL118221202C
16.0	16	60	150	2	STCL118221302C
18.0	18	60	150	2	STCL118221402C
20.0	20	60	150	2	STCL118221502C
25.0	25	70	150	2	STCL118221602C

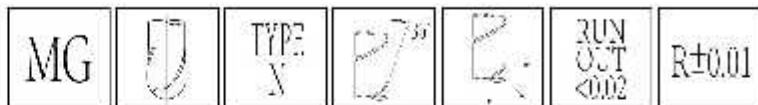
Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<HRC45	<HRC60	<HRC65						
				☉				

☉ Preferential ○ Suitable

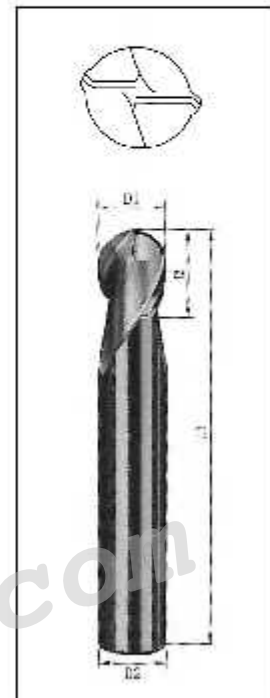
Metric Series

Two Flute Ball Nose for Aluminum 二齿铝合金加工用球头标准型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
R1.C	4	4	50	2	STCL1980102020
R1.25	4	6	50	2	STCL1980103020
R1.5	4	6	50	2	STCL1980104020
R2.C	4	8	50	2	STCL1980105020
R1.C	6	6	50	2	STCL1980106020
R1.5	6	8	50	2	STCL1980107020
R2.C	6	10	50	2	STCL1980108020
R2.5	6	12	50	2	STCL1980109020
R3.C	6	12	50	2	STCL1980110020
R4.C	8	15	60	2	STCL1980111020
R5.C	10	20	75	2	STCL1980112020
R6.C	12	20	75	2	STCL1980113020
R7.C	14	30	90	2	STCL1980114020
R8.C	16	30	100	2	STCL1980115020
R9.C	18	35	100	2	STCL1980116020
R10.0	20	35	100	2	STCL1980117020

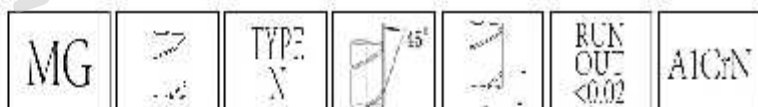


Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<math>< HRC45</math>	<math>< HRC60</math>	<math>< HRC65</math>						
				☉				

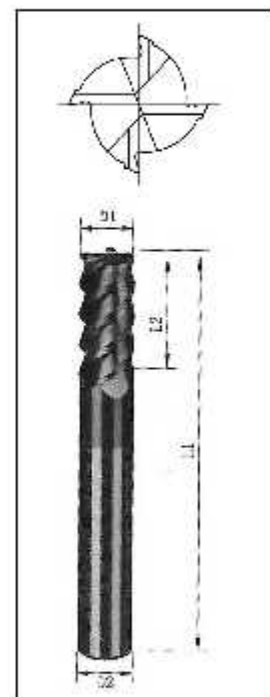
☉ Preferential ○ Suitable

Four Flute Standard for Titanium 四齿钛合金加工用标准型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
2.0	4	6	50	4	STCT1180502020
3.0	4	8	50	4	STCT1180503020
4.0	4	10	50	4	STCT1180504020
5.0	6	12	50	4	STCT1180505020
6.0	6	12	50	4	STCT1180506020
7.0	8	20	60	4	STCT1180507020
8.0	8	20	60	4	STCT1180508020
9.0	10	25	75	4	STCT1180509020
10.0	10	25	75	4	STCT1180510020
12.0	12	30	75	4	STCT1180511020
14.0	14	35	90	4	STCT1180512020
16.0	16	40	100	4	STCT1180513020
18.0	18	45	100	4	STCT1180514020
20.0	20	45	100	4	STCT1180515020
25.0	25	45	100	4	STCT1180516020



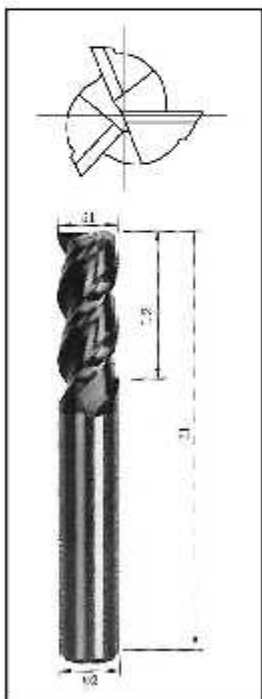
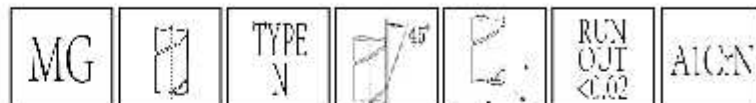
Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<math>< HRC45</math>	<math>< HRC60</math>	<math>< HRC65</math>						
							☉	

☉ Preferential ○ Suitable

Metric Series

Three Flute Standard for Stainless Steel 三齿镍基不锈钢加工用标准型



Type & Specifications/类型与规格

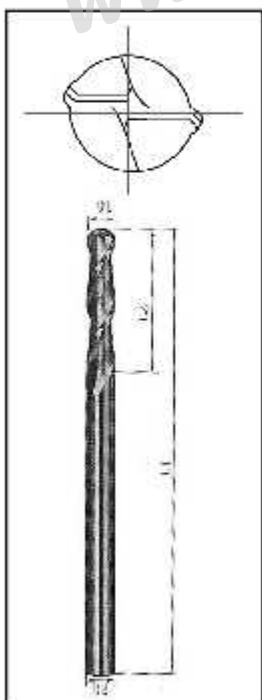
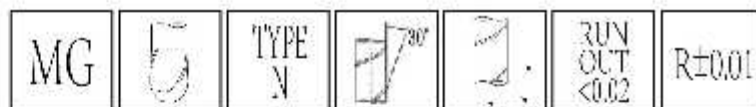
D1 ±10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
2.0	4	6	50	3	STCB1180502020
3.0	4	8	50	3	STCB1180503020
4.0	4	10	50	3	STCB1180504020
5.0	6	12	50	3	STCB1180505020
6.0	6	12	50	3	STCB1180506020
7.0	8	20	60	3	STCB1180507020
8.0	8	20	60	3	STCB1180508020
9.0	10	25	75	3	STCB1180509020
10.0	10	25	75	3	STCB1180510020
12.0	12	30	75	3	STCB1180511020
14.0	14	35	90	3	STCB1180512020
16.0	16	40	100	3	STCB1180513020
18.0	18	45	100	3	STCB1180514020
20.0	20	45	100	3	STCB1180515020
25.0	25	45	100	3	STCB1180516020

Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<HRC45	<HRC60	<HRC65						
						☑		

☑ Preferential ○ Suitable

Ball Nose Long Length for Graphite 石墨加工用球头加长型



Type & Specifications/类型与规格

D1 ±10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
R1.0	4	10	80	2	STCS1982202020
R1.5	4	15	80	2	STCS1982203020
R2.0	4	20	80	2	STCS1982204020
R2.5	5	25	100	2	STCS1982205020
R5.0	6	30	100	2	STCS1982206020
R4.0	8	40	110	2	STCS1982207020
R5.0	10	50	120	2	STCS1982208020
R6.0	12	55	130	2	STCS1982209020
R7.0	14	60	140	4	STCS1982214020
R6.0	16	65	150	4	STCS1982215020
R8.0	18	65	160	4	STCS1982216020
R10.0	20	75	160	4	STCS1982217020

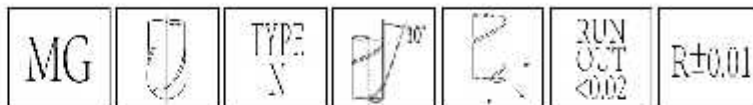
Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<HRC45	<HRC60	<HRC65						
								☑

☑ Preferential ○ Suitable

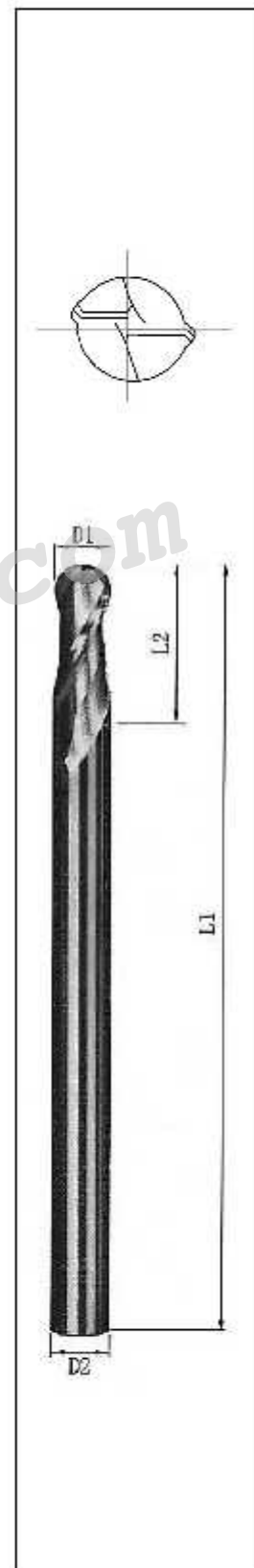
Metric Series

Ball Nose Long Shank for Graphite 石墨加工用球头加长柄型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
R1.C	4	10	100	2	STCS1982260020
R1.5	4	15	100	2	STCS1982261020
R2.C	4	20	110	2	STCS1982262020
R2.5	5	25	125	2	STCS1982263020
R3.C	6	30	130	2	STCS1982264020
R4.C	8	40	150	2	STCS1982265020
R5.C	10	50	170	2	STCS1982266020
R6.C	12	55	190	2	STCS1982267020
R7.C	14	60	210	4	STCS1982674020
R8.C	16	65	230	4	STCS1982675020
R9.C	18	85	250	4	STCS1982676020
R10.0	20	75	250	4	STCS1982677020



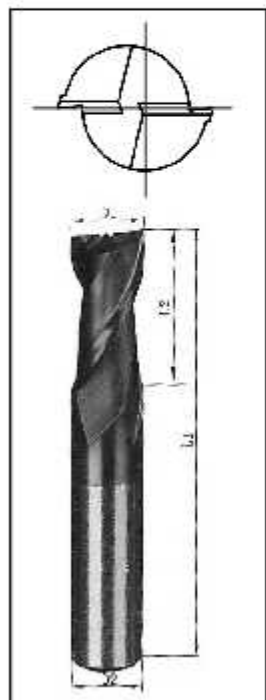
Work Materials/被加工材质

Steels			Cast Iron	Aluminium Alloys	Copper Alloys	Stainless Steel	Titanium Alloys	Graphite
<math>< HRC45</math>	<math>< HRC60</math>	<math>< HRC65</math>						
								☉

☉ Preferential ○ Suitable

DIN Standard for HRC60

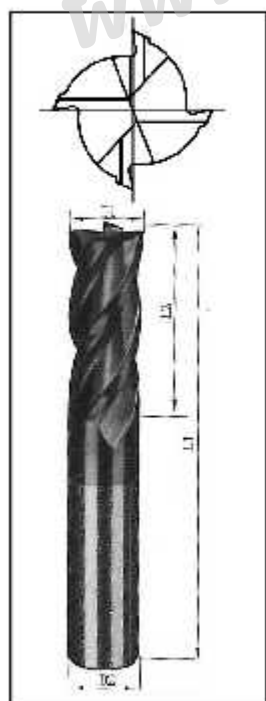
Two Flute Standard
二齿标准型



Type & Specifications/类型与规格

D1 ±10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
1.0	3	3	38	2	STC11801360020
1.5	3	5	38	2	STC11801360520
2.0	3	6	38	2	STC11801361020
2.5	3	7	38	2	STC11801361520
3.0	3	7	38	2	STC11801362020
3.5	4	10	50	2	STC11801362520
4.0	4	10	50	2	STC11801363020
4.5	5	11	50	2	STC11801363520
5.0	5	11	50	2	STC11801364020
5.5	6	13	57	2	STC11801364520
6.0	6	13	57	2	STC11801365020
7.0	8	16	63	2	STC11801365520
8.0	8	19	63	2	STC11801366020
9.0	10	19	72	2	STC11801366520
10.0	10	22	72	2	STC11801367020
12.0	12	26	83	2	STC11801367520
14.0	14	26	83	2	STC11801368020
16.0	16	32	92	2	STC11801368520
18.0	18	32	92	2	STC11801369020
20.0	20	38	104	2	STC11801369520
25.0	25	38	104	2	STC11801370020

Four Flute Standard
四齿标准型



Type & Specifications/类型与规格

D1 ±10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
1.0	3	3	38	4	STC1180366002C
1.5	3	5	38	4	STC1180366052C
2.0	3	6	38	4	STC1180366082C
2.5	3	7	38	4	STC1180366122C
3.0	3	7	38	4	STC1180366202C
3.5	4	10	50	4	STC1180366252C
4.0	4	10	50	4	STC1180366302C
4.5	5	11	50	4	STC1180366352C
5.0	5	11	50	4	STC1180366402C
5.5	6	13	57	4	STC1180366452C
6.0	6	13	57	4	STC1180366502C
7.0	8	16	63	4	STC1180366552C
8.0	8	19	63	4	STC1180366602C
9.0	10	19	72	4	STC1180366502C
10.0	10	22	72	4	STC1180366702C
12.0	12	26	83	4	STC1180366752C
14.0	14	26	83	4	STC1180366802C
16.0	16	32	92	4	STC1180366852C
18.0	18	32	92	4	STC1180366902C
20.0	20	38	104	4	STC1180366952C
25.0	25	38	104	4	STC1180367002C

DIN Standard for HRC60

Two Flute Long Length 二齿加长型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 ±14	L1 ±14	Flute No.	Order No.
3.0	3	15	57	2	STC1182241120
3.5	4	19	57	2	STC1182241620
4.0	4	19	57	2	STC1182242120
4.5	5	25	63	2	STC1182242620
5.0	5	25	63	2	STC1182243120
5.5	6	25	75	2	STC1182243620
6.0	6	25	75	2	STC1182244120
8.0	8	30	75	2	STC1182244620
10.0	10	35	75	2	STC1182245120
12.0	12	45	100	2	STC1182245620
14.0	14	45	100	2	STC1182245120
18.0	16	52	100	2	STC118224620
18.0	16	50	100	2	STC1182247120
20.0	20	60	120	2	STC1182247620
25.0	25	65	120	2	STC1182248120

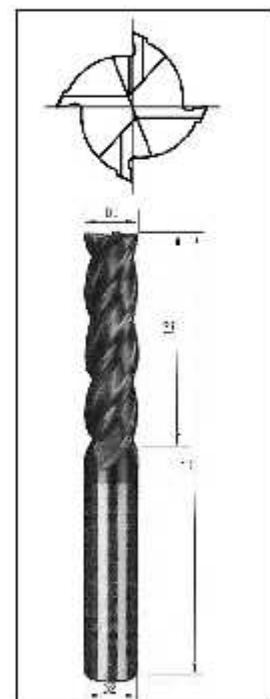


Four Flute Long Length 四齿加长型



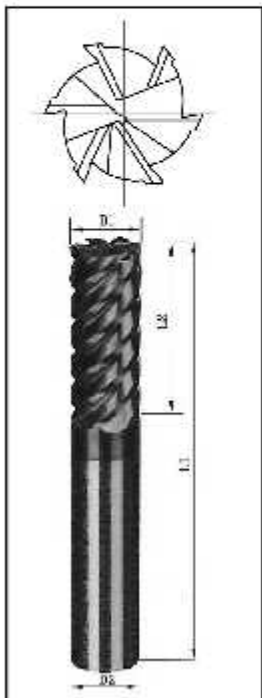
Type & Specifications/类型与规格

D1 h10	D2 h6	L2 ±14	L1 ±14	Flute No.	Order No.
3.0	3	15	57	4	STC1182631120
3.5	4	19	57	4	STC1182631620
4.0	4	19	57	4	STC1182632120
4.5	5	25	63	4	STC1182632620
5.0	5	25	63	4	STC1182633120
5.5	6	25	75	4	STC1182633620
6.0	6	25	75	4	STC1182634120
8.0	8	30	75	4	STC1182634620
10.0	10	35	75	4	STC1182635120
12.0	12	45	100	4	STC1182635620
14.0	14	45	100	4	STC1182635120
18.0	16	52	100	4	STC118263620
18.0	16	50	100	4	STC1182637120
20.0	20	60	120	4	STC1182637620
25.0	25	65	120	4	STC1182638120



DIN Standard for HRC60

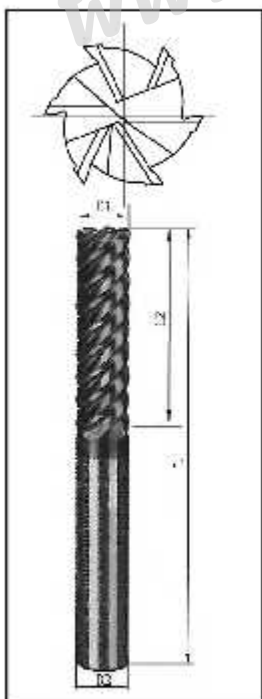
Multiple Flute Standard for Super Finishing 多齿精加工标准型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
6.0	6	13	57	8	STC1180931620
8.0	8	19	63	8	STC1180932*20
10.0	10	22	72	6	STC1180932620
12.0	12	26	83	6	STC1180933*20
14.0	14	26	89	6	STC1180933620
16.0	16	32	92	8	STC1180934*20
18.0	18	32	92	8	STC1180934620
20.0	20	38	104	8	STC1180935*20
25.0	25	38	104	8	STC1180935620

Multiple Flute Long Length for Super Finishing 多齿精加工加长型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
6.0	6	18	62	6	STC1183021*20
8.0	8	24	68	8	STC1183021620
10.0	10	30	80	8	STC1183022*20
12.0	12	36	93	6	STC1183022620
14.0	14	42	99	6	STC1183023*20
16.0	16	48	108	6	STC1183023620
18.0	18	54	114	8	STC1183024*20
20.0	20	60	126	8	STC1183024620
25.0	25	60	126	8	STC1183025*20

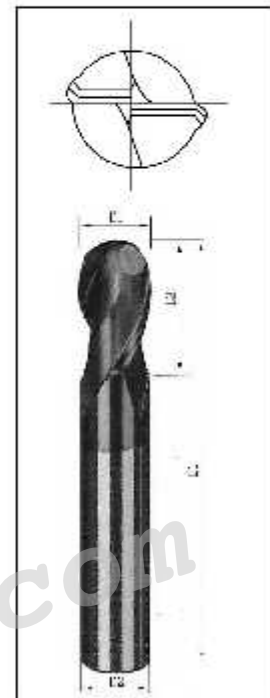
DIN Standard for HRC60

Two Flute Ball Nose Standard 二齿球头标准型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute Nu.	Order No.
1.0	3	3	38	2	STC1980130C20
1.5	3	5	38	2	STC1980130S20
2.0	3	6	38	2	STC1980131C20
2.5	3	7	38	2	STC1980131S20
3.0	3	7	38	2	STC1980132C20
3.5	4	10	50	2	STC1980132S20
4.0	4	10	50	2	STC1980133C20
5.0	5	11	50	2	STC1980133S20
6.0	6	13	57	2	STC1980134C20
7.0	8	13	63	2	STC1980134S20
8.0	8	15	63	2	SIC1980135C20
9.0	10	15	72	2	STC1980135S20
10.0	10	19	72	2	STC1980136C20
12.0	12	22	83	2	STC1980136S20
14.0	14	22	83	2	STC1980137C20
16.0	16	25	92	2	STC1980137S20
18.0	16	25	92	2	STC1980138C20
20.0	20	32	104	2	STC1980138S20

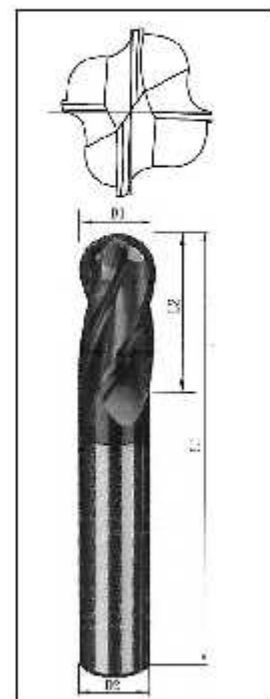


Four Flute Ball Nose Standard 四齿球头标准型



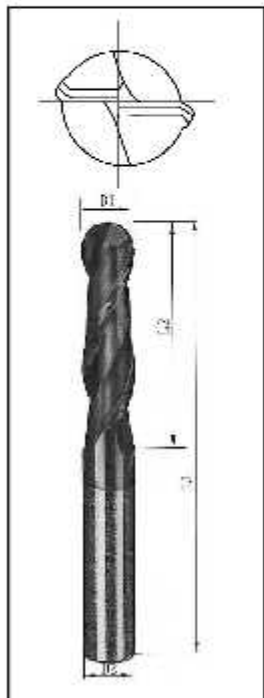
Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute Nu.	Order No.
1.0	3	3	38	4	STC1980530C20
1.5	3	5	38	4	STC1980530S20
2.0	3	6	38	4	STC1980531C20
2.5	3	7	38	4	STC1980531S20
3.0	3	7	38	4	STC1980532C20
3.5	4	10	50	4	STC1980532S20
4.0	4	10	50	4	STC1980533C20
5.0	5	11	50	4	STC1980533S20
6.0	6	13	57	4	STC1980534C20
7.0	8	13	63	4	STC1980534S20
8.0	8	15	63	4	STC1980535C20
9.0	10	15	72	4	STC1980535S20
10.0	10	19	72	4	STC1980536C20
12.0	12	22	83	4	STC1980536S20
14.0	14	22	83	4	STC1980537C20
16.0	16	25	92	4	SIC1980537S20
18.0	16	25	92	4	STC1980538C20
20.0	20	32	104	4	STC1980538S20



DIN Standard for HRC60

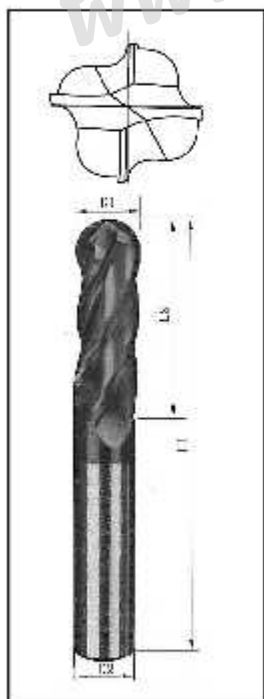
Two Flute Ball Nose Long Length 二齿球头加长型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
3.0	3	15	57	2	STC1982241*20
4.0	4	19	57	2	STC1982241620
5.0	5	25	63	2	STC1982242*20
6.0	6	25	75	2	STC1982242620
8.0	8	30	75	2	STC1982243*20
10.0	10	35	75	2	STC1982243620
12.0	12	45	100	2	STC1982244*20
14.0	14	45	100	2	STC1982244620
16.0	16	50	100	2	STC1982245*20
18.0	18	50	100	2	STC1982245620
20.0	20	60	120	2	STC1982246*20
25.0	25	60	120	2	STC1982246620

Four Flute Ball Nose Long Length 四齿球头加长型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
3.0	3	15	57	4	STC1982641*20
4.0	4	19	57	4	STC1982641620
5.0	5	25	63	4	STC1982642*20
6.0	6	25	75	4	STC1982642620
8.0	8	30	75	4	STC1982643*20
10.0	10	35	75	4	STC1982643620
12.0	12	45	100	4	STC1982644*20
14.0	14	45	100	4	STC1982644620
16.0	16	50	100	4	STC1982645*20
18.0	18	50	100	4	STC1982645620
20.0	20	60	120	4	STC1982646*20
25.0	25	60	120	4	STC1982646620

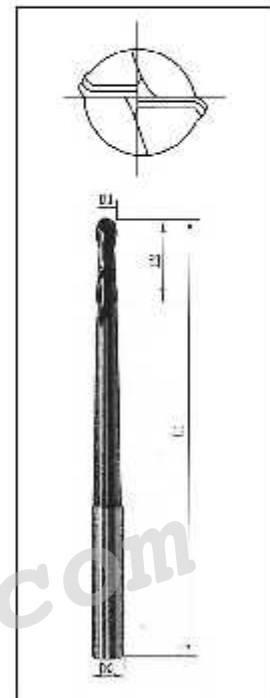
DIN Standard for HRC60

Two Flute Ball Nose Pencil Neck 二齿锥颈球头



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 JS14	Neck Length	Neck Incline	Flute No.	Order No.
1	6	2	70	20	1.5°	2	STC1981351510
1	6	2	80	40	3°	2	STC1981352010
2	6	5	70	20	1.5°	2	STC1981352510
2	6	5	80	40	3°	2	STC1981353010
3	6	8	70	30	3°	2	STC1981353510
3	6	8	90	50	1.5°	2	STC1981354010
4	6	8	70	20	3°	2	STC1981354510
4	6	8	90	48	1.5°	2	STC1981355010
5	8	10	90	40	3°	2	STC1981355510
5	8	10	110	60	1.5°	2	STC1981356010
6	8	12	90	33	3°	2	STC1981356510
6	8	12	110	52	1.5°	2	STC1981357010
8	10	14	100	35	3°	2	STC1981357510
8	10	14	120	54	1.5°	2	STC1981358010
10	12	18	110	39	3°	2	STC1981358510
10	12	18	130	58	1.5°	2	STC1981359010
12	16	22	140	60	3°	2	STC1981359510
12	16	22	160	80	1.5°	2	STC1981360010

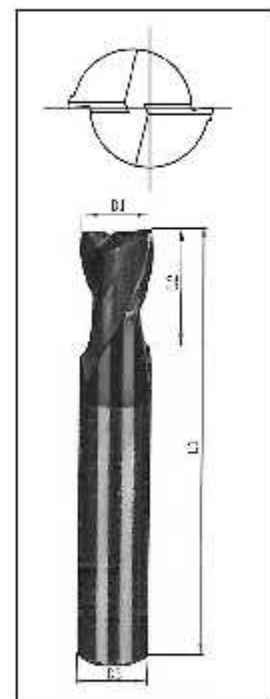


Two Flute Stub Length 二齿短刃型



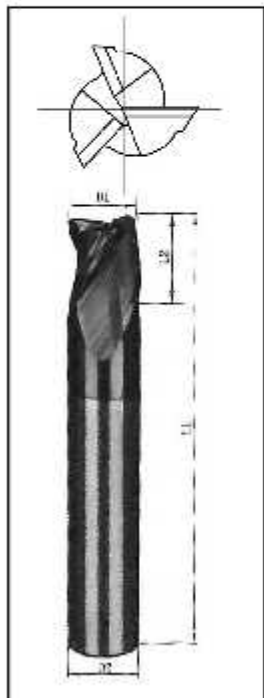
Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
1	3	3	38	2	STC1180153020
1.5	3	3	38	2	STC1180153520
2	3	3	38	2	STC1180154020
2.5	3	3	38	2	STC1180154520
3	3	4	38	2	STC1180155020
3.5	4	4	50	2	STC1180155520
4	4	6	50	2	STC1180156020
4.5	5	6	50	2	STC1180156520
5	5	6	50	2	STC1180157020
5.5	6	8	54	2	STC1180157520
6	6	10	54	2	STC1180158020
7	8	12	58	2	STC1180158520
8	8	12	58	2	STC1180159020
9	10	14	66	2	STC1180159520
10	10	14	66	2	STC1180160020
12	12	15	73	2	STC1180160520
14	14	15	75	2	STC1180161020
16	16	22	82	2	STC1180161520
18	18	24	84	2	STC1180162020
20	20	25	92	2	STC1180162520



DIN Standard for HRC45

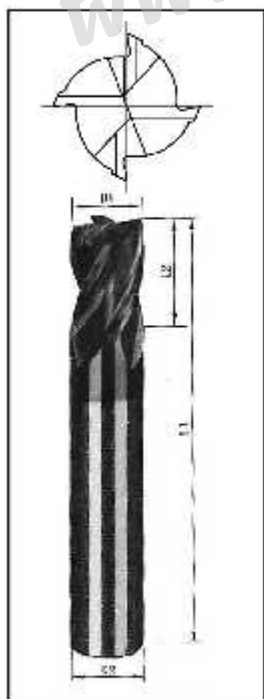
Three Flute Stub Length 三齿短刃型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
1.0	3	3	38	3	STC1180301020
1.5	3	3	38	3	STC1180301520
2.0	3	3	38	3	STC1180302020
2.5	3	3	38	3	STC1180302520
3.0	3	4	38	3	STC1180303020
3.5	4	4	50	3	STC1180303520
4.0	4	6	50	3	STC1180304020
4.5	5	6	50	3	STC1180304520
5.0	5	8	50	3	STC1180305020
5.5	6	8	54	3	STC1180305520
6.0	6	10	54	3	STC1180306020
7.0	6	12	58	3	STC1180306520
8.0	6	12	58	3	STC1180307020
9.0	10	14	66	3	STC1180307520
10.0	10	14	66	3	STC1180308020
12.0	12	16	73	3	STC1180308520
14.0	14	16	76	3	STC1180309020
16.0	16	22	82	3	STC1180309520
18.0	18	24	84	3	STC1180310020
20.0	20	26	92	3	STC1180310520

Four Flute Stub Length 四齿短刃型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
1.0	3	3	38	4	STC1180550020
1.5	3	3	38	4	STC1180550520
2.0	3	3	38	4	STC1180551020
2.5	3	3	38	4	STC1180551520
3.0	3	4	38	4	STC1180552020
3.5	4	4	50	4	STC1180552520
4.0	4	6	50	4	STC1180553020
4.5	5	6	50	4	STC1180553520
5.0	5	8	50	4	STC1180554020
5.5	6	8	54	4	STC1180554520
6.0	6	10	54	4	STC1180555020
7.0	6	12	58	4	STC1180555520
8.0	6	12	58	4	STC1180556020
9.0	10	14	66	4	STC1180556520
10.0	10	14	66	4	STC1180557020
12.0	12	16	73	4	STC1180557520
14.0	14	16	76	4	STC1180558020
16.0	16	22	82	4	STC1180558520
18.0	18	24	84	4	STC1180559020
20.0	20	16	92	4	STC1180559520

DIN Standard for HRC45

Two Flute Standard 二齿标准型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute Nu.	Order No.
1.0	3	3	38	2	STC1180163020
1.5	3	5	38	2	STC11801630520
2.0	3	6	38	2	STC11801631020
2.5	3	7	38	2	STC11801631520
3.0	3	7	38	2	STC11801632020
3.5	4	10	50	2	STC11801632520
4.0	4	10	50	2	STC11801633020
4.5	5	11	50	2	STC11801633520
5.0	5	11	50	2	STC11801634020
5.5	6	13	57	2	STC11801634520
6.0	6	13	57	2	STC11801635020
7.0	8	15	63	2	STC11801635520
8.0	8	19	63	2	STC11801636020
9.0	10	19	72	2	STC11801636520
10.0	10	22	72	2	STC11801637020
12.0	12	25	83	2	STC11801637520
14.0	14	25	83	2	STC11801638020
16.0	16	32	92	2	STC11801638520
18.0	18	32	92	2	STC11801639020
20.0	20	35	104	2	STC11801639520
25.0	25	35	104	2	STC11801670020

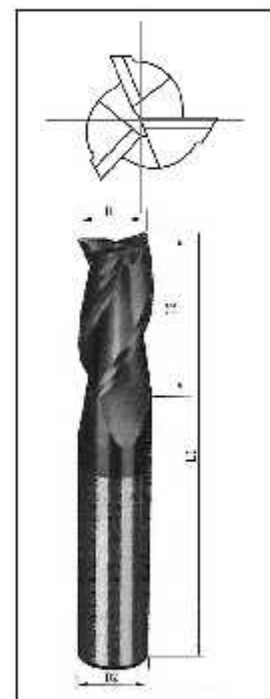


Three Flute Standard 三齿标准型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute Nu.	Order No.
1.0	3	3	38	3	STC1180323020
1.5	3	5	38	3	STC11803230520
2.0	3	6	38	3	STC11803231020
2.5	3	7	38	3	STC11803231520
3.0	3	7	38	3	STC11803232020
3.5	4	10	50	3	STC11803232520
4.0	4	10	50	3	STC11803233020
4.5	5	11	50	3	STC11803233520
5.0	5	11	50	3	STC11803234020
5.5	6	13	57	3	STC11803234520
6.0	6	13	57	3	STC11803235020
7.0	8	15	63	3	STC11803235520
8.0	8	19	63	3	STC11803236020
9.0	10	19	72	3	STC11803236520
10.0	10	22	72	3	STC11803237020
12.0	12	25	83	3	STC11803237520
14.0	14	25	83	3	STC11803238020
16.0	16	32	92	3	STC11803238520
18.0	18	32	92	3	STC11803239020
20.0	20	35	104	3	STC11803239520
25.0	25	35	104	3	STC1180333020



DIN Standard for HRC45

Four Flute Standard
四齿标准型



Type & Specifications/类型与规格

D1 ±10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
1.0	3	3	38	4	STC1180360020
1.5	3	5	38	4	STC1180360520
2.0	3	6	38	4	STC1180361020
2.5	3	7	38	4	STC1180361520
3.0	3	7	38	4	STC1180362020
3.5	4	10	50	4	STC1180362520
4.0	4	10	50	4	STC1180363020
4.5	5	11	50	4	STC1180363520
5.0	5	11	50	4	STC1180364020
5.5	6	13	57	4	STC1180364520
6.0	6	13	57	4	STC1180365020
7.0	6	16	63	4	STC1180365520
8.0	6	19	69	4	STC1180366020
9.0	10	19	72	4	STC1180366520
10.0	10	22	72	4	STC1180367020
12.0	12	26	83	4	STC1180367520
14.0	14	26	83	4	STC1180368020
16.0	16	32	92	4	STC1180368520
18.0	18	32	92	4	STC1180369020
20.0	20	38	104	4	STC1180369520
25.0	25	38	104	4	STC1180370020

Two Flute Long Length
二齿加长型



Type & Specifications/类型与规格

D1 ±10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
3.0	3	15	57	2	STC1182241*20
3.5	4	19	57	2	STC1182241620
4.0	4	19	57	2	STC1182242*20
4.5	5	25	63	2	STC1182242620
5.0	5	25	63	2	STC1182243*20
5.5	6	25	75	2	STC1182243620
6.0	6	25	75	2	STC1182244*20
8.0	8	30	75	2	STC1182244620
10.0	10	35	75	2	STC1182245*20
12.0	12	45	100	2	STC1182245620
14.0	14	45	100	2	STC1182246*20
16.0	16	50	100	2	STC1182246620
18.0	18	50	100	2	STC1182247*20
20.0	20	60	120	2	STC1182247620
25.0	25	60	120	2	STC1182248*20

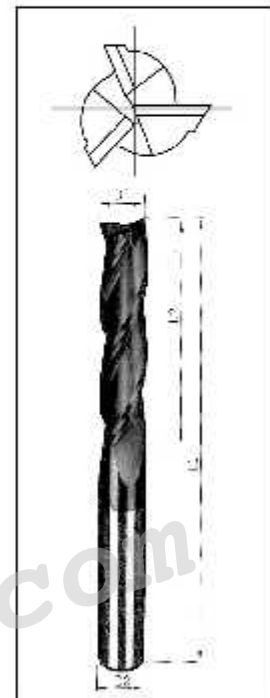
DIN Standard for HRC45

Three Flute Long Length 三齿加长型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 ±14	L1 ±14	Flute Nu.	Order No.
3.0	3	15	57	3	STC1182401120
3.5	4	19	57	3	STC1182401620
4.0	4	19	57	3	STC1182402120
4.5	5	25	63	3	STC1182402620
5.0	5	25	63	3	STC1182403120
5.5	6	25	75	3	STC1182403620
6.0	6	25	75	3	STC1182404120
8.0	8	30	75	3	STC1182404620
10.0	10	35	75	3	STC1182405120
12.0	12	45	100	3	STC1182405620
14.0	14	45	100	3	STC1182405120
18.0	16	52	100	3	STC1182405620
18.0	16	50	100	3	STC1182407120
20.0	20	60	120	3	STC1182407620
25.0	25	65	120	3	STC1182408120



Four Flute Long Length 四齿加长型



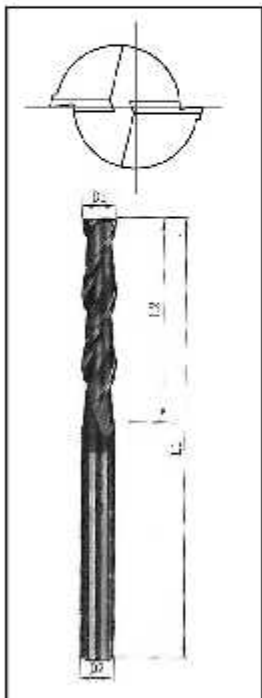
Type & Specifications/类型与规格

D1 h10	D2 h6	L2 ±14	L1 ±14	Flute Nu.	Order No.
3.0	3	15	57	4	STC1182631120
3.5	4	19	57	4	STC1182631620
4.0	4	19	57	4	STC1182632120
4.5	5	25	63	4	STC1182632620
5.0	5	25	63	4	STC1182633120
5.5	6	25	75	4	STC1182633620
6.0	6	25	75	4	STC1182634120
8.0	8	30	75	4	STC1182634620
10.0	10	35	75	4	STC1182635120
12.0	12	45	100	4	STC1182635620
14.0	14	45	100	4	STC1182635120
18.0	16	52	100	4	STC1182635620
18.0	16	50	100	4	STC1182637120
20.0	20	60	120	4	STC1182637620
25.0	25	65	120	4	STC1182638120



DIN Standard for HRC45

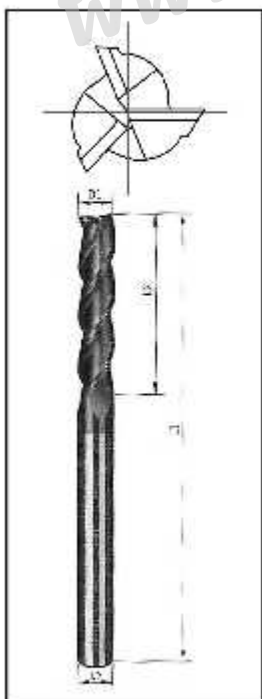
Two Flute Extra Long Length 二齿超长型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
3.0	3	20	75	2	STC1182251120
4.0	4	25	75	2	STC1182251420
5.0	5	30	75	2	STC1182251720
6.0	6	35	100	2	STC1182252020
8.0	8	45	100	2	STC1182252320
10.0	10	45	100	2	STC1182252620
12.0	12	65	150	2	STC1182252920
14.0	14	65	150	2	STC1182253220
16.0	16	75	150	2	STC1182253520
18.0	18	75	150	2	STC1182253820
20.0	20	75	150	2	STC1182254120
25.0	25	75	150	2	STC1182254420

Three Flute Extra Long Length 三齿超长型

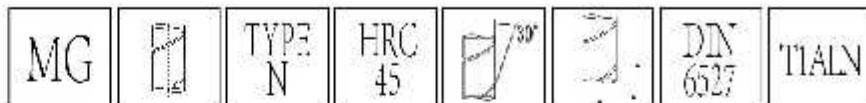


Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
3.0	3	20	75	3	STC1182421120
4.0	4	25	75	3	STC1182421420
5.0	5	30	75	3	STC1182421720
6.0	6	35	100	3	STC1182422020
8.0	8	45	100	3	STC1182422320
10.0	10	45	100	3	STC1182422620
12.0	12	65	150	3	STC1182422920
14.0	14	65	150	3	STC1182423220
16.0	16	75	150	3	STC1182423520
18.0	18	75	150	3	STC1182423820
20.0	20	75	150	3	STC1182424120
25.0	25	75	150	3	STC1182424420

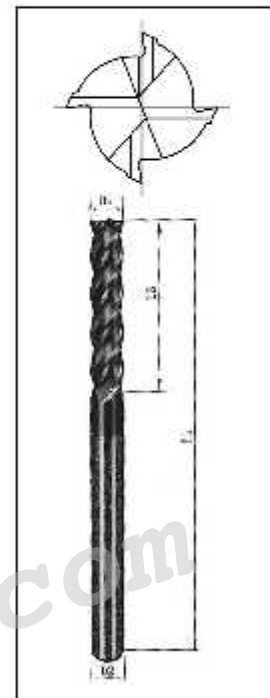
DIN Standard for HRC45

Four Flute Extra Long Length 四齿超长型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 ±14	L1 ±14	Flute No.	Order No.
3.0	3	20	75	4	STC1184001120
4.0	4	25	75	4	STC1184001620
5.0	5	30	75	4	STC1184002120
6.0	6	35	100	4	STC1184002620
8.0	8	45	100	4	STC1184003120
10.0	10	45	100	4	STC1184003620
12.0	12	65	150	4	STC1184004120
14.0	14	65	150	4	STC1184004620
16.0	16	75	150	4	STC1184005120
18.0	18	75	150	4	STC1184005620
20.0	20	75	150	4	STC1184006120
25.0	25	75	150	4	STC1184006620

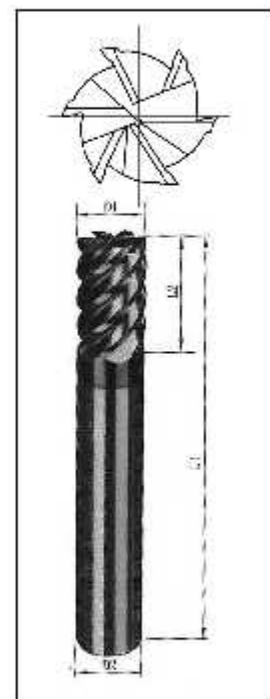


Multiple Flute Stub Length for Super Finishing 多齿精加工短刃型



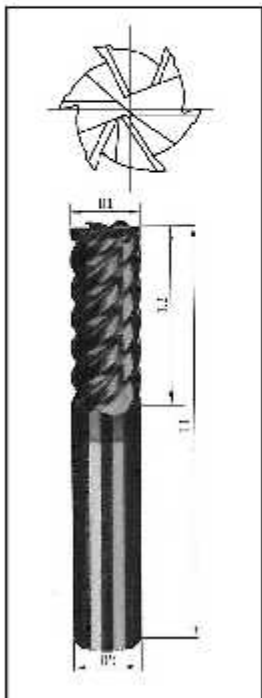
Type & Specifications/类型与规格

D1 h10	D2 h6	L2 ±14	L1 ±14	Flute No.	Order No.
6.0	6	10	54	6	STC1180921120
8.0	8	12	59	6	STC1180921620
10.0	10	14	67	6	STC1180922120
12.0	12	16	73	6	STC1180922620
14.0	14	18	79	6	STC1180923120
16.0	16	22	89	6	STC1180923620
18.0	18	24	89	6	STC1180924120
20.0	20	25	93	6	STC1180924620



DIN Standard for HRC45

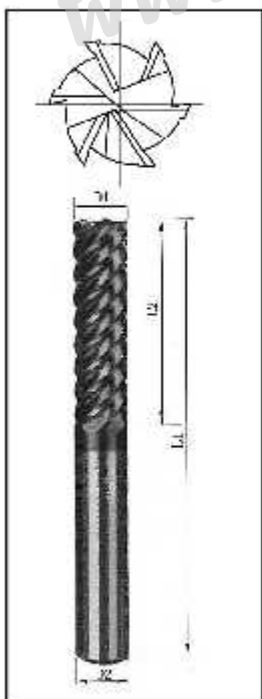
Mutiple Flute Standard for Super Finishing
多齿精加工标准型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
6.0	6	13	57	6	STC1180931*20
8.0	8	19	63	6	STC1180931620
10.0	10	22	72	6	STC1180932*20
12.0	12	26	83	6	STC1180932620
14.0	14	26	89	6	STC1180933*20
16.0	16	32	92	6	STC1180933620
18.0	18	32	92	6	STC1180934*20
20.0	20	38	104	6	STC1180934620
25.0	25	38	104	6	STC1180935*20

Mutiple Flute Long Length for Super Finishing
多齿精加工加长型

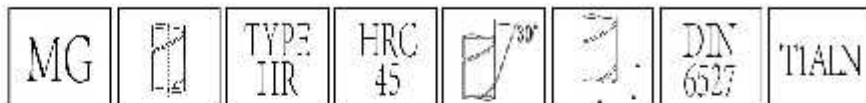


Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
6.0	6	18	62	6	STC1183021*20
8.0	8	24	68	6	STC1183021620
10.0	10	30	80	6	STC1183022*20
12.0	12	36	93	6	STC1183022620
14.0	14	42	99	6	STC1183023*20
16.0	16	48	108	6	STC1183023620
18.0	18	54	114	6	STC1183024*20
20.0	20	60	126	6	STC1183024620
25.0	25	60	126	6	STC1183025*20

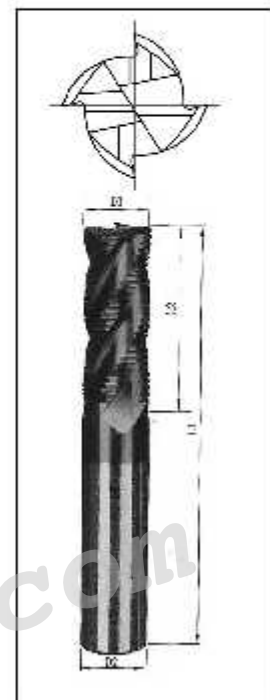
DIN Standard for HRC45

Four Flute Roughing Standard 四齿波刃标准型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
4.0	6	8	57	4	STC1580520C20
5.0	6	10	57	4	STC1580520S20
6.0	6	13	57	4	STC1580521C20
8.0	6	19	63	4	STC1580521S20
10.0	10	22	72	4	STC1580522C20
12.0	12	25	83	4	STC1580522S20
18.0	16	32	92	4	STC1580523C20
20.0	20	36	104	4	STC1580523S20
25.0	25	45	12	4	STC1580524C20

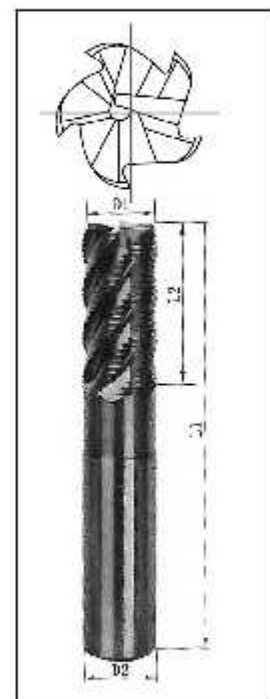


Multiple Flute Roughing [45° Spiral Angle] 多齿波刃型(45°螺旋角)



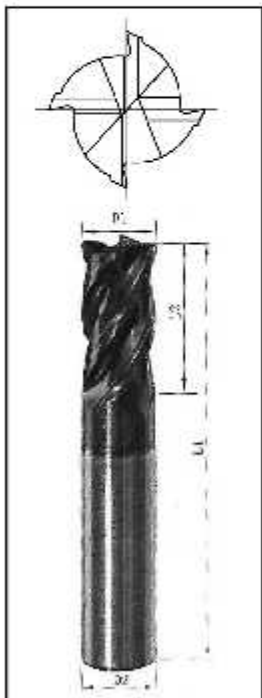
Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Neck Dia.	Neck Length	Corner	Flute No.	Order No.
6.0	6	19	57	5.7	18	0.2x45°	4	STC1580920C20
8.0	8	19	63	7.7	20	0.2x45°	4	STC1580920S20
10.0	10	22	72	9.6	24	0.3x45°	4	STC1580921C20
12.0	12	26	83	11.5	28	0.3x45°	4	STC1580921S20
14.0	14	26	83	13.5	32	0.3x45°	4	STC1580922C20
16.0	16	32	92	15.5	36	0.4x45°	5	STC1580922S20
18.0	18	32	92	17.5	38	0.4x45°	5	STC1580923C20
20.0	20	38	104	19.5	42	0.5x45°	8	STC1580923S20
25.0	25	46	121	24.5	50	0.5x45°	8	STC1580924C20



DIN Standard for HRC45

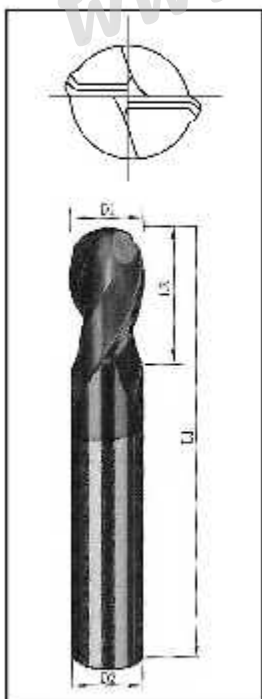
Four Flute Standard 35° /38° Spial Angle
四齿标准35° /38° 螺旋角



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js4	Neck Dia	Neck Length	Corner	Flute No.	Order No.
6.0	6	13	57	5.7	21	0.2x45°	4	STC1180571020
8.0	8	19	63	7.7	27	0.2x45°	4	STC1180571520
10.0	10	22	72	9.5	32	0.3x45°	4	STC1180572020
12.0	12	26	83	11.5	36	0.3x45°	4	STC1180572520
14.0	14	26	83	13.5	40	0.3x45°	4	STC1180573020
16.0	16	32	92	15.5	46	0.4x45°	4	STC1180573520
18.0	18	32	92	17.5	46	0.4x45°	4	STC1180574020
20.0	20	38	104	19.5	54	0.5x45°	4	STC1180574520
25.0	25	45	121	24.5	63	0.5x45°	4	STC1180575020

Two Flute Ball Nose Standard 二齿球头标准型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
1.0	3	3	38	2	STC1900130020
1.5	3	5	38	2	STC1900130520
2.0	3	6	38	2	STC1900131020
2.5	3	7	38	2	STC1900131520
3.0	3	7	38	2	STC1900132020
3.5	4	10	50	2	STC1900132520
4.0	4	10	50	2	STC1900133020
5.0	5	11	50	2	STC1900133520
6.0	6	13	57	2	STC1900134020
7.0	8	13	63	2	STC1900134520
8.0	8	16	63	2	STC1900135020
9.0	10	16	72	2	STC1900135520
10.0	10	19	72	2	STC1900136020
12.0	12	22	83	2	STC1900136520
14.0	14	22	83	2	STC1900137020
16.0	16	26	92	2	STC1900137520
18.0	16	26	92	2	STC1900138020
20.0	20	32	104	2	STC1900138520

DIN Standard for HRC45

Four Flute Ball Nose Standard 四齿球头标准型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
1.0	3	3	38	4	STC1980530C20
1.5	3	5	38	4	STC1980530S20
2.0	3	6	38	4	STC1980531C20
2.5	3	7	38	4	STC1980531S20
3.0	3	7	38	4	STC1980532C20
3.5	4	10	50	4	STC1980532S20
4.0	4	10	50	4	STC1980533C20
5.0	5	11	50	4	STC1980533S20
6.0	6	13	57	4	STC1980534C20
7.0	8	13	63	4	STC1980534S20
8.0	8	13	63	4	STC1980535C20
9.0	10	15	72	4	STC1980535S20
10.0	10	19	72	4	STC1980536C20
12.0	12	22	83	4	STC1980536S20
14.0	14	22	83	4	STC1980537C20
16.0	16	25	92	4	STC1980537S20
18.0	18	25	92	4	STC1980538C20
20.0	20	32	104	4	STC1980538S20

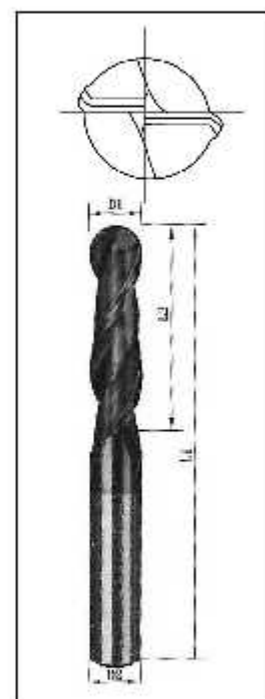


Two Flute Ball Nose Long Length 二齿球头加长型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
3.0	3	15	57	2	198224112C
4.0	4	13	57	2	198224182C
5.0	5	25	63	2	198224212C
6.0	6	25	75	2	198224262C
8.0	8	30	75	2	198224312C
10.0	10	35	75	2	198224362C
12.0	12	45	100	2	198224412C
14.0	14	45	100	2	198224462C
16.0	16	50	100	2	198224512C
18.0	18	50	100	2	198224562C
20.0	20	60	120	2	198224612C
25.0	25	60	120	2	198224662C



DIN Standard for HRC45

Four Flute Ball Nose Long Length 四齿球头加长型

MG		TYPE N	HRC 45			DIN 6527	TIALN
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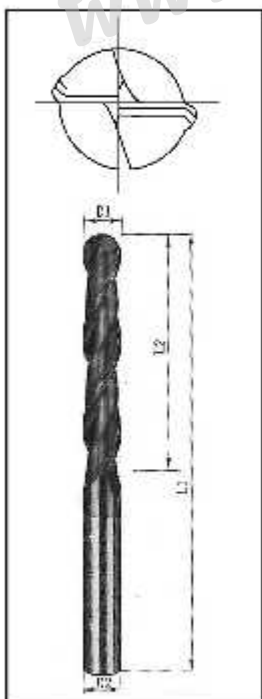


Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
3.0	3	15	57	4	STC1982641*20
4.0	4	19	57	4	STC1982641620
5.0	5	25	63	4	STC1982642*20
6.0	6	25	75	4	STC1982642620
8.0	8	30	75	4	STC1982643*20
10.0	10	35	75	4	STC1982643620
12.0	12	45	100	4	STC1982644*20
14.0	14	45	100	4	STC1982644620
16.0	16	50	100	4	STC1982645*20
18.0	18	50	100	4	STC1982645620
20.0	20	60	120	4	STC1982646*20
25.0	25	60	120	4	STC1982646620

Two Flute Ball Nose Extra Long Length 二齿球头超长型

MG		TYPE N	HRC 45			DIN 6527	TIALN
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Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
3.0	3	20	75	2	STC1982251*20
4.0	4	25	75	2	STC1982251620
5.0	5	30	75	2	STC1982252*20
6.0	6	35	100	2	STC1982252620
8.0	8	45	100	2	STC1982253*20
10.0	10	45	100	2	STC1982253620
12.0	12	65	150	2	STC1982254*20
14.0	14	65	150	2	STC1982254620
16.0	16	75	150	2	STC1982255*20
18.0	18	75	150	2	STC1982255620
20.0	20	75	150	2	STC1982256*20
25.0	25	75	150	2	STC1982256620

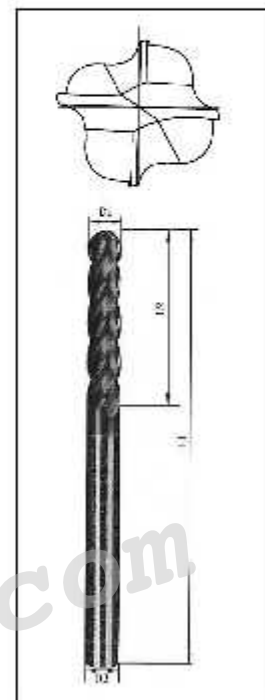
DIN Standard for HRC45

Four Flute Ball Nose Extra Long Length 四齿球头超长型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
3.0	3	20	75	4	STC1984021120
4.0	4	25	75	4	STC1984021620
5.0	5	30	75	4	STC1984022120
6.0	6	35	100	4	STC1984022620
8.0	8	45	100	4	STC1984023120
10.0	10	45	100	4	STC1984023620
12.0	12	85	150	4	STC1984024120
14.0	14	65	150	4	STC1984024620
16.0	16	75	150	4	STC1984025120
18.0	18	75	150	4	STC1984025620
20.0	20	75	150	4	STC1984025120
25.0	25	75	150	4	STC1984025620

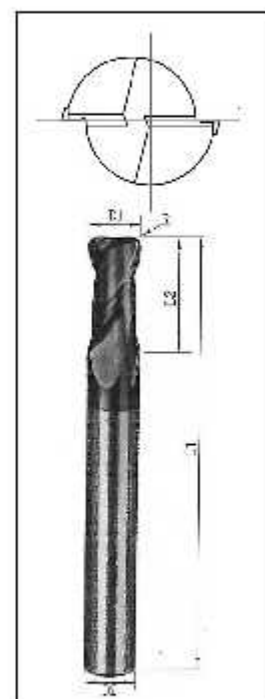


Two Flute With Corner Radius 二齿圆弧角型



Type & Specifications/类型与规格

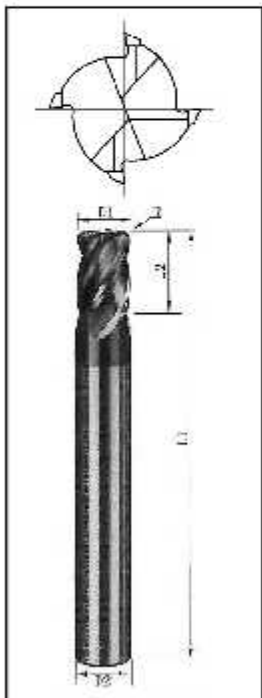
D1 h10	Corner Radius	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
4.0	R0.2	6	10	60	2	STC1180191120
4.0	R0.5	6	10	60	2	STC1180191420
4.0	R1.0	6	10	60	2	STC1180191720
6.0	R0.2	6	12	75	2	STC1180192020
6.0	R0.5	6	12	75	2	STC1180192320
6.0	R1.0	6	12	75	2	STC1180192620
8.0	R0.5	8	20	75	2	STC1180192920
8.0	R1.0	8	20	75	2	STC1180193220
8.0	R1.5	8	20	75	2	STC1180193520
8.0	R2.0	8	20	100	2	STC1180193820
10.0	R0.5	10	25	100	2	STC1180194120
10.0	R1.0	10	25	100	2	STC1180194420
10.0	R1.5	10	25	100	2	STC1180194720
10.0	R2.0	10	25	100	2	STC1180195020
12.0	R1.0	12	25	100	2	STC1180195320
12.0	R1.5	12	25	100	2	STC1180195620
12.0	R2.0	12	25	100	2	STC1180195920



DIN Standard for HRC45

Four Flute Stub Length With Corner Radius
四齿圆弧角短刃型

MG		TYPE N	HRC 45			DIN 6527	TIALN
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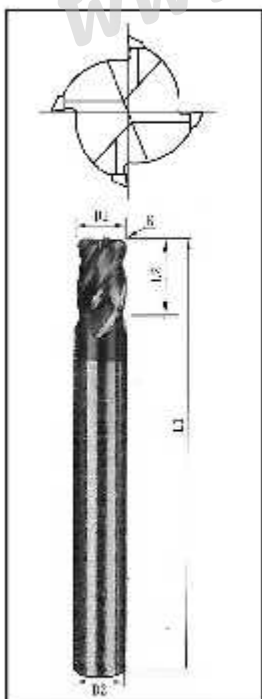


Type & Specifications/类型与规格

D1 h10	Corner Radius	D2 h8	L2 js14	L1 js14	Flute No.	Order No.
6.0	R0.5	6	7	57	4	STC1180581120
6.0	R1.0	6	7	57	4	STC1180581120
6.0	R1.0	8	9	63	4	STC1180581720
6.0	R1.5	8	9	63	4	STC1180582020
6.0	R2.0	8	9	63	4	STC1180582320
10.0	R1.0	10	11	72	4	STC1180582620
10.0	R1.5	10	11	72	4	STC1180582920
10.0	R2.0	10	11	72	4	STC1180583220
12.0	R1.0	12	12	83	4	STC1180583520
12.0	R1.5	12	12	83	4	STC1180583820
12.0	R2.0	12	12	83	4	STC1180584120
16.0	R2.0	16	16	92	4	STC1180584420

Four Flute Long Shank With Corner Radius
四齿圆弧角加长柄型

MG		TYPE N	HRC 45			DIN 6527	TIALN
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Type & Specifications/类型与规格

D1 h10	Corner Radius	D2 h8	L2 js14	L1 js14	Flute No.	Order No.
6.0	R0.5	6	7	80	4	STC1180586120
6.0	R1.0	6	7	80	4	STC1180586420
6.0	R1.0	8	9	100	4	STC1180586720
6.0	R1.5	8	9	100	4	STC1180587020
6.0	R2.0	8	9	100	4	STC1180587320
10.0	R1.0	10	11	100	4	STC1180587620
10.0	R1.5	10	11	100	4	STC1180587920
10.0	R2.0	10	11	100	4	STC1180588220
12.0	R1.0	12	12	120	4	STC1180588520
12.0	R1.5	12	12	120	4	STC1180588820
12.0	R2.0	12	12	120	4	STC1180589120
16.0	R2.0	16	16	150	4	STC1180589420

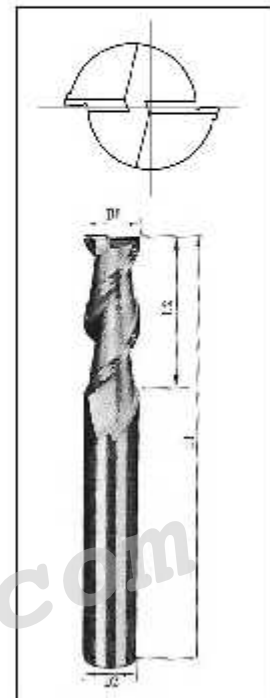
DIN Standard for HRC45

Two Flute Standard for Aluminum 二齿铝合金用标准型

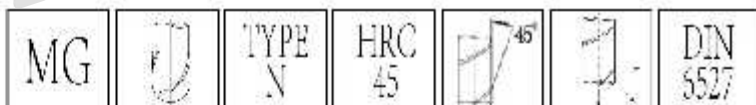


Type & Specifications/类型与规格

D1 h10	D2 h6	L2 ±14	L1 ±14	Flute Nu.	Order No.
2.0	6	8	57	2	STC1186061120
2.5	6	8	57	2	STC1186061620
3.0	6	8	57	2	STC1186062120
3.5	6	11	57	2	STC1186062620
4.0	6	11	57	2	STC1186063120
5.0	6	13	57	2	STC1186063620
6.0	6	13	57	2	STC1186064120
8.0	8	19	63	2	STC1186064620
10.0	10	22	72	2	STC1186065120
12.0	12	25	83	2	STC1186065620
14.0	14	25	83	2	STC1186066120
18.0	16	32	92	2	STC1186066620
18.0	16	32	92	2	STC1186067120
20.0	20	35	104	2	STC1186067620

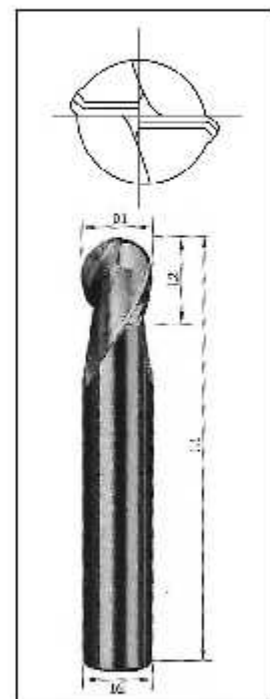


Two Flute Ball Nose for Aluminum 二齿铝合金用球头标准型



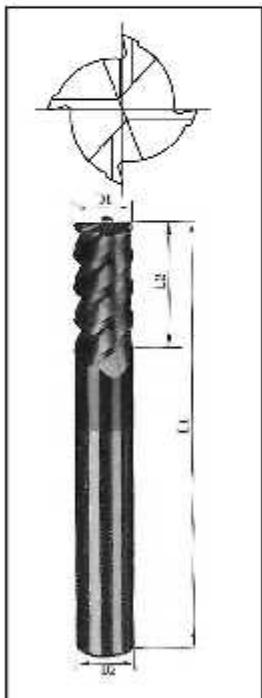
Type & Specifications/类型与规格

D1 h10	D2 h6	L2 ±14	L1 ±14	Flute Nu.	Order No.
2.0	3	6	38	2	STC1986030C20
2.5	3	7	38	2	STC1986030E20
3.0	3	7	38	2	STC1986031C20
3.5	4	10	50	2	STC1986031E20
4.0	4	10	50	2	STC1986032C20
5.0	5	11	50	2	STC1986032E20
6.0	6	13	57	2	STC1986033C20
7.0	6	13	63	2	STC1986033E20
8.0	6	13	63	2	STC1986034C20
9.0	10	15	72	2	STC1986034E20
10.0	10	19	72	2	STC1986035C20
12.0	12	22	83	2	STC1986035E20
14.0	14	22	83	2	STC1986036C20
16.0	16	25	92	2	STC1986036E20
18.0	18	25	92	2	STC1986037C20
20.0	20	32	104	2	STC1986037E20



DIN Standard for HRC45

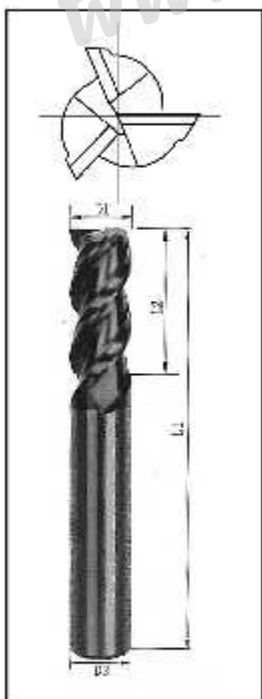
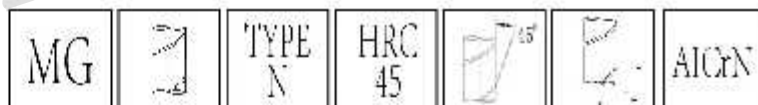
Four Flute Standard for Titanium 四齿钛合金加工用标准型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
2.0	6	13	57	4	STC1985050030
3.0	6	13	57	4	STC1985050530
4.0	6	13	57	4	STC1985051030
5.0	6	13	57	4	STC1985051530
6.0	6	13	57	4	STC1985052030
7.0	8	19	63	4	STC1985052530
8.0	8	19	63	4	STC1985053030
9.0	10	22	72	4	STC1985053530
10.0	10	22	72	4	STC1985054030
12.0	12	26	83	4	STC1985054530
14.0	14	26	83	4	STC1985055030
16.0	16	32	92	4	STC1985055530
18.0	16	32	92	4	STC1985056030
20.0	20	38	104	4	STC1985056530
25.0	25	45	121	4	STC1985057030

Three Flute Standard for Stainless Steel 三齿不锈钢加工用标准型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
2	6	13	57	3	STC1181022060
3	6	13	57	3	STC1181022560
4	6	13	57	3	STC1181023060
5	6	13	57	3	STC1181023560
6	6	13	57	3	STC1181024060
7	8	19	63	3	STC1181024560
8	8	19	63	3	STC1181025060
9	10	22	72	3	STC1181025560
10	10	22	72	3	STC1181026060
12	12	26	83	3	STC1181026560
14	14	26	83	3	STC1181027060
16	16	32	92	3	STC1181027560
18	16	32	92	3	STC1181028060
20	20	38	104	3	STC1181028560
25	25	45	121	3	STC1181029060

DIN Standard for HRC45

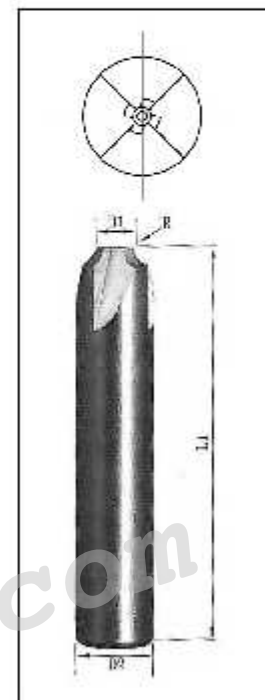
Corner Rounding Cutter

圆角铣刀

MG	TYPE N	HRC 45
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Type & Specifications/类型与规格

Radius	D1 h10	D2 h6	L1 js14	Flute No.	Order No.
0.5	7	8	70	4	STC2180401120
1	6	8	70	4	STC2180401620
1.5	7	10	75	4	STC2180402120
2	6	10	75	4	STC2180402620
2.5	7	12	75	4	STC2180403120
3	6	12	75	4	STC2180403620
3.5	9	15	80	4	STC2180404120
4	8	15	80	4	STC2180404620
4.5	7	15	80	4	STC2180405120
5	10	20	80	4	STC2180405620
6	8	20	80	4	STC2180406120



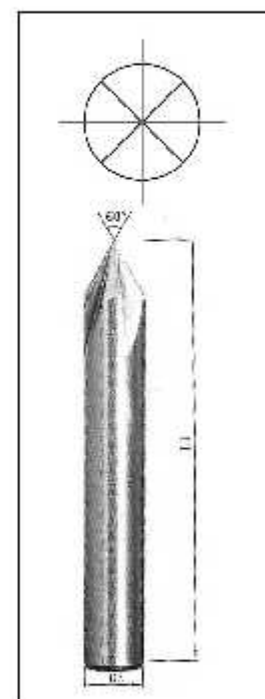
Chamfering Cutter 60°

60° 倒角刀

MG	TYPE N	HRC 45	DIN 6527	60°
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Type & Specifications/类型与规格

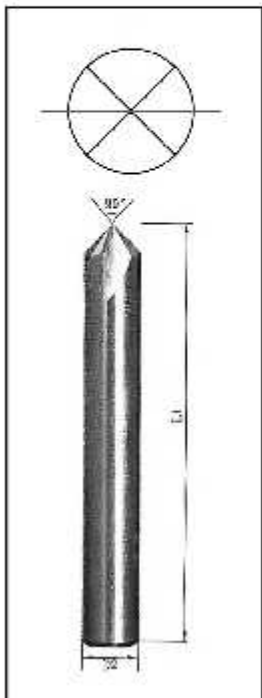
D1 h10	D2 h6	L1 js14	Flute No.	Order No.
4.0	4	54	4	STC2280401120
6.0	6	57	4	STC2280401620
8.0	8	63	4	STC2280402120
10.0	10	72	4	STC2280402620
12.0	12	83	4	STC2280403120
16.0	16	92	4	STC2280403620
20.0	20	104	4	STC2280404120



DIN Standard for HRC45

Chamfering Cutter 90°
90° 倒角刀

MG	TYPE N	HRC 45	DIN 6527	90°
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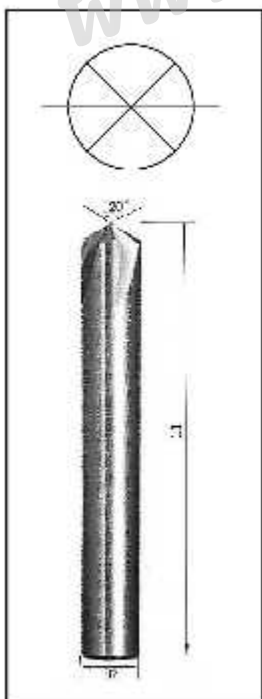


Type & Specifications/类型与规格

D1 h10	D2 h6	L1 js14	Flute No.	Order No.
4.0	4	54	4	STC2280411120
6.0	6	57	4	STC2280411620
8.0	8	63	4	STC2280412120
10.0	10	72	4	STC2280412620
12.0	12	83	4	STC2280413120
16.0	16	92	4	STC2280413620
20.0	20	104	4	STC2280414120

Chamfering Cutter 120°
120° 倒角刀

MG	TYPE N	HRC 45	DIN 6527	120°
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Type & Specifications/类型与规格

D1 h10	D2 h6	L1 js14	Flute No.	Order No.
4.0	4	54	4	STC2280421120
6.0	6	57	4	STC2280421620
8.0	8	63	4	STC2280422120
10.0	10	72	4	STC2280422620
12.0	12	83	4	STC2280423120
16.0	16	92	4	STC2280423620
20.0	20	104	4	STC2280424120

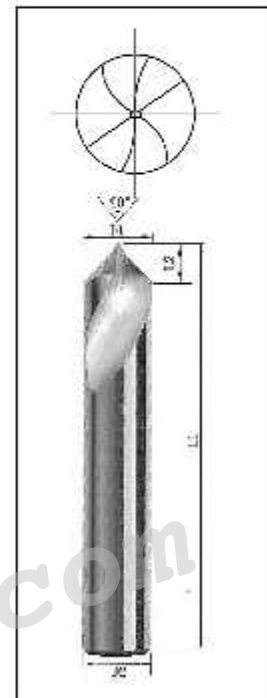
DIN Standard for HRC45

Spot Drill 90° 90° 定心钻

MG	TYPE N	HRC 45	DIN 6527	90°
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Type & Specifications/类型与规格

D1 h10	D2 h6	L2 s14	L1 s14	Flute Nu.	Order No.
3.0	3	8	32	2	STC2610003500
4.0	4	10	40	2	STC2610003530
5.0	5	13	50	2	STC2610003560
6.0	6	13	50	2	STC2610003590
8.0	8	23	60	2	STC2610003620
10.0	10	24	70	2	STC2610003650
12.0	12	24	70	2	STC2610003680
16.0	16	30	75	2	STC2610003710
20.0	20	35	100	2	STC2610003740

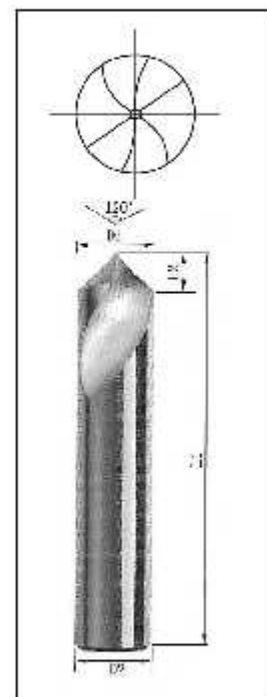


Spot Drill 120° 120° 定心钻

MG	TYPE N	HRC 45	DIN 6527	120°
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Type & Specifications/类型与规格

D1 h10	D2 h6	L2 s14	L1 s14	Flute Nu.	Order No.
3.0	3	8	32	2	STC2510303500
4.0	4	10	40	2	STC2510303550
5.0	5	13	50	2	STC2510303600
6.0	6	13	50	2	STC2510303650
8.0	8	23	60	2	STC2510303700
10.0	10	24	70	2	STC2510303750
12.0	12	24	70	2	STC2510303800
16.0	16	30	75	2	STC2510303850
20.0	20	35	100	2	STC2510303900



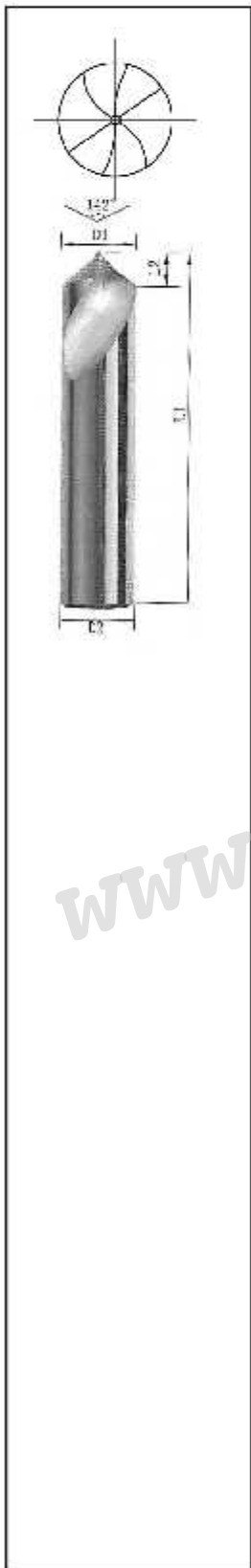
DIN Standard for HRC45

Spot Drill 142°
142° 定心钻

MG	TYPE N	HRC 45	DIN 6527	142°
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Type & Specifications/类型与规格

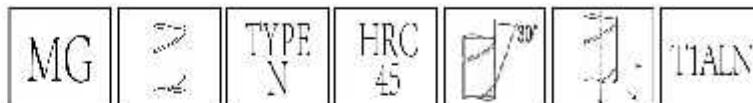
D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
3.0	3	8	32	2	STC2310200600
4.0	4	10	40	2	STC2310200650
5.0	5	13	50	2	STC2310200700
6.0	6	13	50	2	STC2310200750
8.0	8	23	60	2	STC2310200800
10.0	10	24	70	2	STC2310200850
12.0	12	24	70	2	STC2310200900
16.0	16	30	75	2	STC2310200950
20.0	20	35	100	2	STC2310201000



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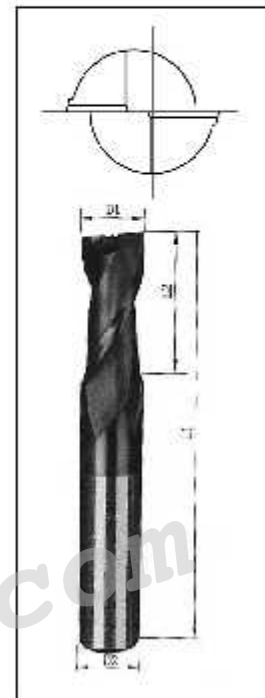
ANSI Standard

Two Flute Standard 二齿标准型

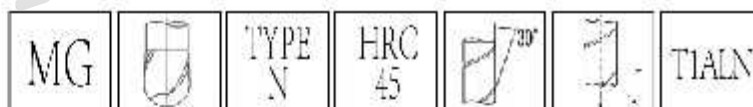


Type & Specifications/类型与规格

D1 h10	D2 h6	L2 s14	L1 s14	Flute No.	Order No.
1/16	1/8	1/4	1-1/2	2	STC1080101120
3/32	1/8	3/8	1-1/2	2	STC1080101620
1/8	1/8	3/8	1-1/2	2	STC1080102120
5/32	3/16	9/16	2	2	STC1080102620
3/16	3/16	5/8	2	2	STC1080103120
7/32	1/4	5/8	2-1/2	2	STC1080103620
1/4	1/4	3/4	2-1/2	2	STC1080104120
9/32	5/16	3/4	2-1/2	2	STC1080104620
5/16	5/16	13/16	2-1/2	2	STC1080105120
3/8	3/8	7/8	2-1/2	2	STC1080105620
7/16	7/16	1	2-3/4	2	STC1080106120
1/2	1/2	1	3	2	STC1080106620
5/8	5/8	1-1/4	3-1/2	2	STC1080107120
3/4	3/4	1-1/2	4	2	STC1080107620
7/8	7/8	1-1/2	4	2	STC1080108120
1	1	1-1/2	4	2	STC1080108620

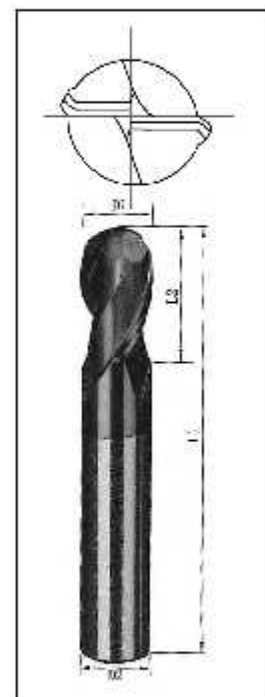


Two Flute Ball Nose 二齿球头型



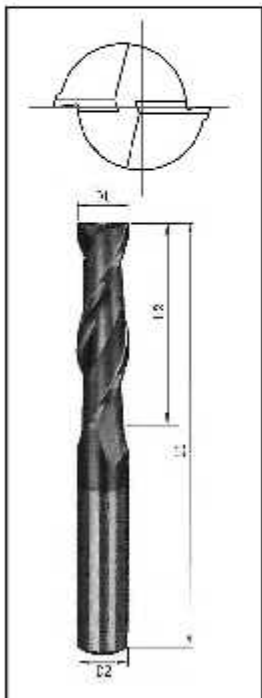
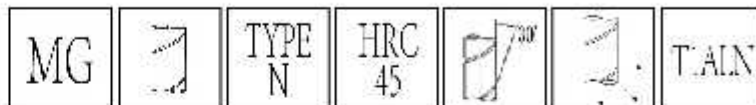
Type & Specifications/类型与规格

D1 h10	D2 h6	L2 s14	L1 s14	Flute No.	Order No.
1/16	1/8	1/4	1-1/2	2	STC1880101120
3/32	1/8	3/8	1-1/2	2	STC1880101620
1/8	1/8	3/8	1-1/2	2	STC1880102120
5/32	3/16	9/16	2	2	STC1880102620
3/16	3/16	5/8	2	2	STC1880103120
7/32	1/4	5/8	2-1/2	2	STC1880103620
1/4	1/4	3/4	2-1/2	2	STC1880104120
9/32	5/16	3/4	2-1/2	2	STC1880104620
5/16	5/16	13/16	2-1/2	2	STC1880105120
3/8	3/8	7/8	2-1/2	2	STC1880105620
7/16	7/16	1	2-3/4	2	STC1880106120
1/2	1/2	1	3	2	STC1880106620
5/8	5/8	1-1/4	3-1/2	2	STC1880107120
3/4	3/4	1-1/2	4	2	STC1880107620
7/8	7/8	1-1/2	4	2	STC1880108120
1	1	1-1/2	4	2	STC1880108620



ANSI Standard

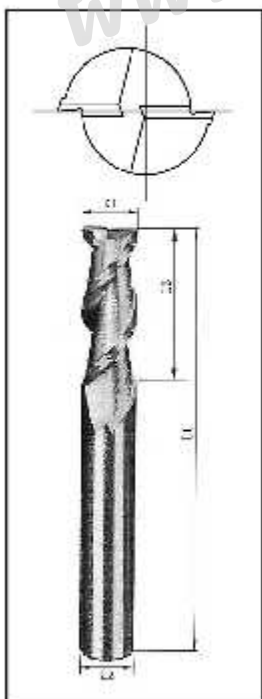
Two Flute Long Length 二齿加长型



Type & Specifications/类型与规格

D1	D2	L2	L1	Flute No.	Order No.
1/8	1/8	3/4	2-1/4	2	STC1082201-20
3/8	3/16	7/8	2-1/2	2	STC1082201620
1/4	1/4	1	3	2	STC1082202-20
5/8	5/16	1-1/8	3	2	STC1082202620
3/8	3/8	1-1/4	3	2	STC1082203-20
7/8	7/16	2	4	2	STC1082203620
1/2	1/2	2	4	2	STC1082204-20
5/8	5/8	2-1/4	5	2	STC1082204620
3/4	3/4	2-1/4	5	2	STC1082205-20
1	1	2-1/2	5	2	STC1082205620
1	1	3	6	2	STC1082206-20

Two Flute Standard for Aluminum 二齿铝合金用标准型

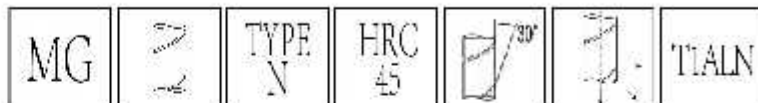


Type & Specifications/类型与规格

D1	D2	L2	L1	Flute No.	Order No.
1/8	1/8	1/2	1-1/2	2	STC1086021-20
3/8	3/16	5/8	2	2	STC1086021620
1/4	1/4	1	2-1/2	2	STC1086022-20
5/8	5/16	1	2-1/2	2	STC1086022620
3/8	3/8	1	2-1/2	2	STC1086023-20
1/2	1/2	1-1/4	3	2	STC1086023620
5/8	5/8	1-5/8	3-1/2	2	STC1086024-20
3/4	3/4	1-3/4	4	2	STC1086024620
1	1	1-3/4	4	2	STC1086025-20

ANSI Standard

Four Flute Standard 四齿标准型

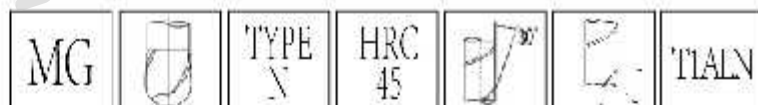


Type & Specifications/类型与规格

D1 h10	D2 h6	L2 ±14	L1 ±14	Flute No.	Order No.
1/16	1/8	1/4	1-1/2	4	STC1080501120
3/32	1/8	3/8	1-1/2	4	STC1080501620
1/8	1/8	3/8	1-1/2	4	STC1080502120
5/32	3/16	9/16	2	4	STC1080502620
3/16	3/16	5/8	2	4	STC1080503120
7/32	1/4	5/8	2-1/2	4	STC1080503620
1/4	1/4	3/4	2-1/2	4	STC1080504120
9/32	5/16	3/4	2-1/2	4	STC1080504620
5/16	5/16	13/16	2-1/2	4	STC1080505120
3/8	3/8	7/8	2-1/2	4	STC1080505620
7/16	7/16	1	2-3/4	4	STC1080506120
1/2	1/2	1	3	4	STC1080506620
5/8	5/8	1-1/4	3-1/2	4	STC1080507120
3/4	3/4	1-1/2	4	4	STC1080507620
7/8	7/8	1-1/2	4	4	STC1080508120
1	1	1-1/2	4	4	STC1080508620

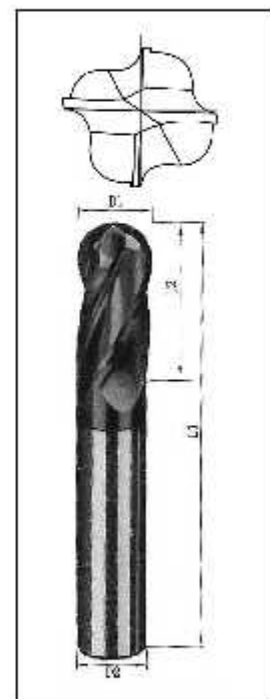


Four Flute Ball Nose 四齿球头型



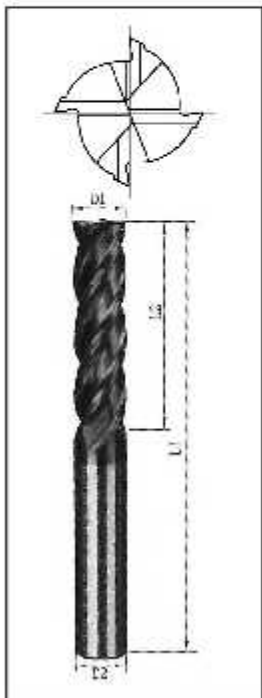
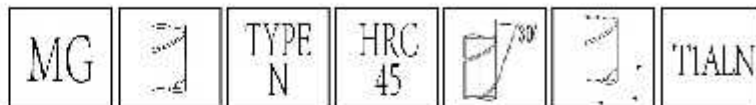
Type & Specifications/类型与规格

D1 h10	D2 h6	L2 ±14	L1 ±14	Flute No.	Order No.
1/16	1/8	1/4	1-1/2	4	STC1880501120
3/32	1/8	3/8	1-1/2	4	STC1880501620
1/8	1/8	3/8	1-1/2	4	STC1880502120
5/32	3/16	9/16	2	4	STC1880502620
3/16	3/16	5/8	2	4	STC1880503120
7/32	1/4	5/8	2-1/2	4	STC1880503620
1/4	1/4	3/4	2-1/2	4	STC1880504120
9/32	5/16	3/4	2-1/2	4	STC1880504620
5/16	5/16	13/16	2-1/2	4	STC1880505120
3/8	3/8	7/8	2-1/2	4	STC1880505620
7/16	7/16	1	2-3/4	4	STC1880506120
1/2	1/2	1	3	4	STC1880506620
5/8	5/8	1-1/4	3-1/2	4	STC1880507120
3/4	3/4	1-1/2	4	4	STC1880507620
7/8	7/8	1-1/2	4	4	STC1880508120
1	1	1-1/2	4	4	STC1880508620



ANSI Standard

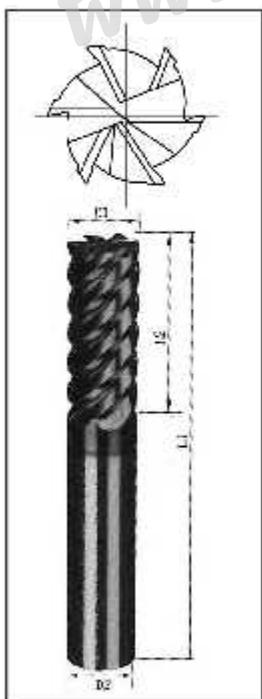
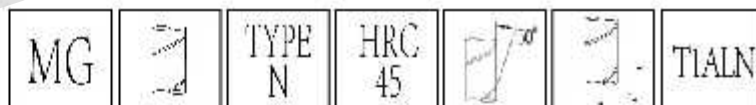
Four Flute Long Length 四齿加长型



Type & Specifications/类型与规格

D1	D2	L2	L1	Flute No.	Order No.
1/8	1/8	3/4	2-1/4	4	STC1082801-20
3/8	3/8	7/8	2-1/2	4	STC1082801620
1/4	1/4	1	3	4	STC1082802-20
5/8	5/8	1-1/8	3	4	STC1082802620
3/8	3/8	1-1/4	3	4	STC1082803-20
7/8	7/8	2	4	4	STC1082803620
1/2	1/2	2	4	4	STC1082804-20
5/8	5/8	2-1/4	5	4	STC1082804620
3/4	3/4	2-1/4	5	4	STC1082805-20
1	1	2-1/2	5	4	STC1082805620
1	1	3	6	4	STC1082808-20

Multiple Flute Standard for Super Finishing 多齿精加工标准型

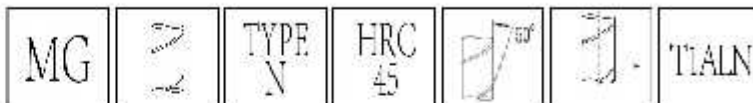


Type & Specifications/类型与规格

D1	D2	L2	L1	Flute No.	Order No.
1/4	1/4	3/4	2-1/2	6	STC1080901-20
5/8	5/8	13/16	2-1/2	8	STC1080901620
3/8	3/8	7/8	2-1/2	8	STC1080902-20
1/2	1/2	1	3	6	STC1080902620
5/8	5/8	1-1/4	3-1/2	6	STC1080903-20
3/4	3/4	1-1/2	4	6	STC1080903620
1	1	1-1/2	4	6	STC1080904-20
3/4	3/4	1-1/2	4	8	STC1080904620
1	1	1-1/2	4	8	STC1080905-20

ANSI Standard

Multiple Flute Long Length for Super Finishing 多齿精加工加长型

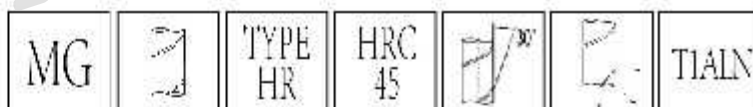


Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
1/2	1/2	2	4	6	STC1060301120
1/2	1/2	3	6	6	STC1060301320
5/8	5/8	2	5	6	STC1060301520
5/8	5/8	3-1/4	6	6	STC1060301720
3/4	3/4	2-1/2	5	6	STC1060301920
3/4	3/4	3	6	6	STC1060302120
3/4	3/4	3-1/4	6	6	STC1060302320
3/4	3/4	2-1/2	5	8	STC1060302520
3/4	3/4	3	6	8	STC1060302720
3/4	3/4	3-1/4	6	8	STC1060302920
-	1	2-1/4	6	8	STC1060303120
-	1	3-1/4	6	8	STC1060303320

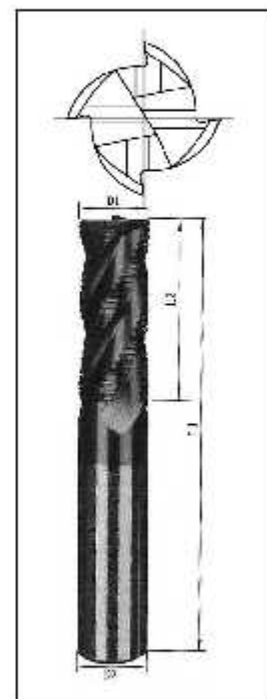


Four Flute Roughing Standard 四齿波刃标准型



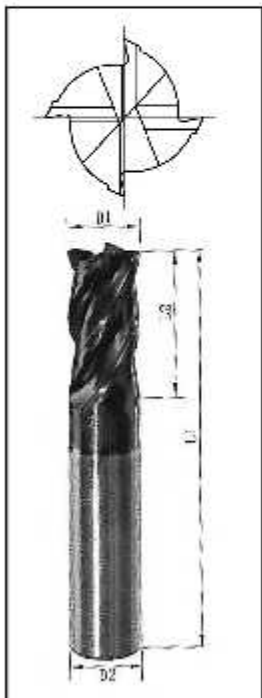
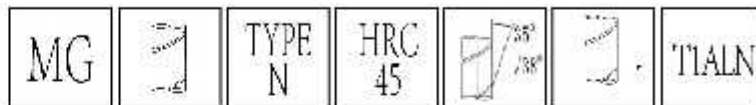
Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
1/4	1/4	3/4	2-1/2	4	STC1380501C20
5/16	5/16	13/16	2-1/2	4	STC1380501E20
3/8	3/8	7/8	2-1/2	4	STC1380502C20
1/2	1/2	1	3	4	STC1380502E20
5/8	5/8	1-1/4	3-1/2	4	STC1380503C20
3/4	3/4	1-1/2	4	4	STC1380503E20
-	1	1-1/2	4	4	STC1380504C20



ANSI Standard

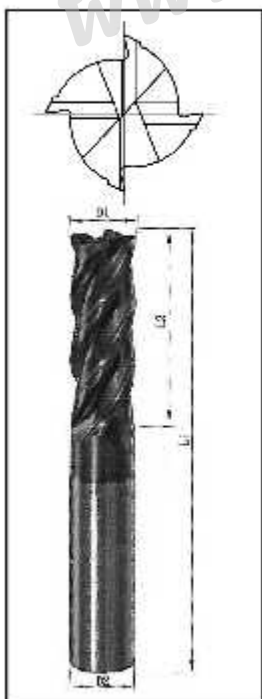
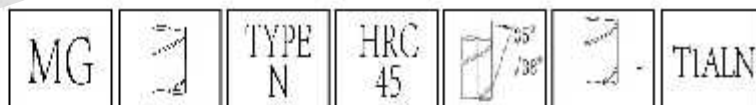
Four Flute Standard 35° /38° Spiral Angle 四齿35° /38° 螺旋角标准型



Type & Specifications/类型与规格

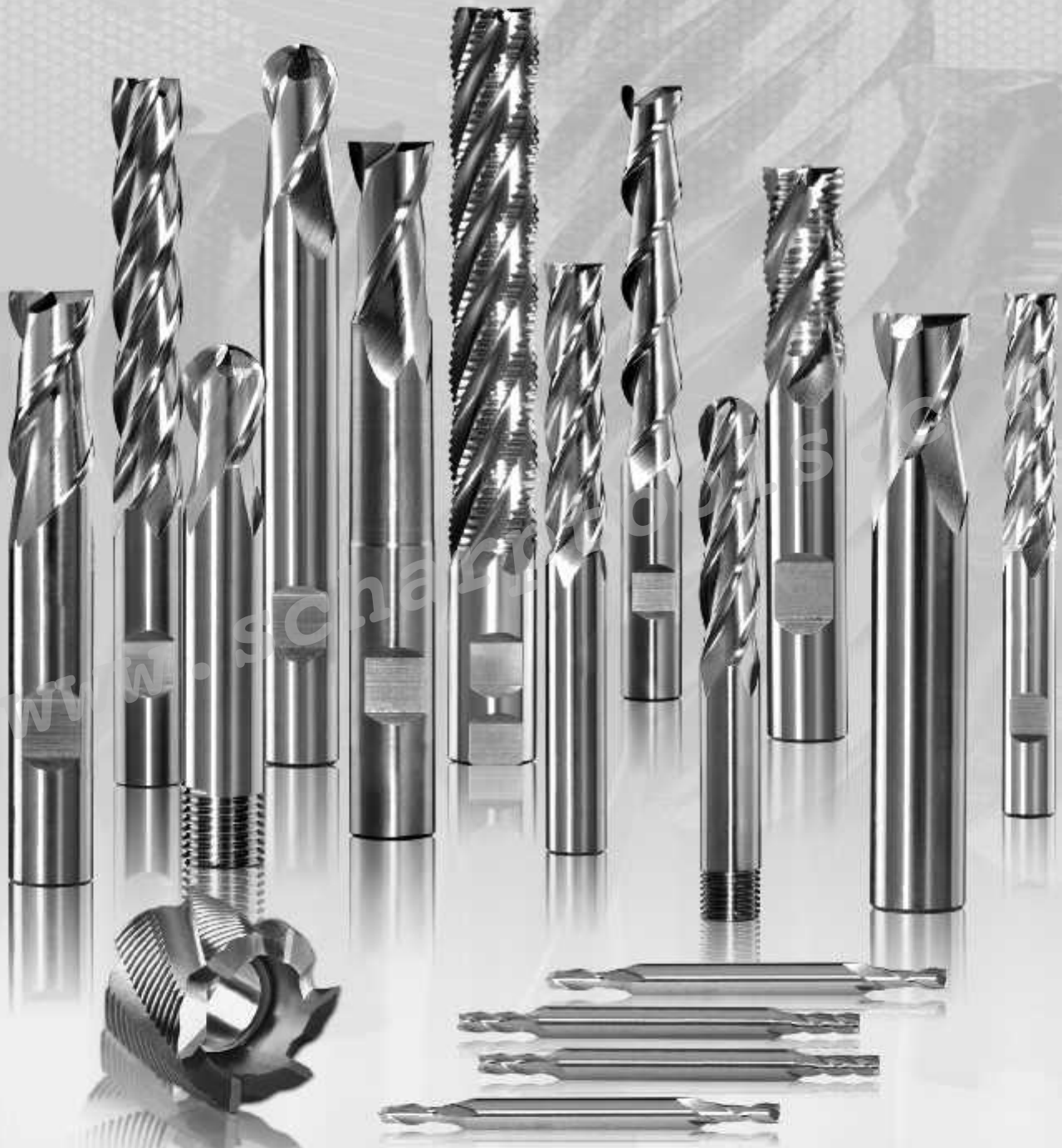
D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
1/4	1/4	3/4	2-1/2	4	STC1080330020
5/8	5/16	13/16	2-1/2	4	STC1080330520
3/8	3/8	7/8	2-1/2	4	STC1080331020
1/2	1/2	1	3	4	STC1080331520
5/8	5/8	1-1/4	3-1/2	4	STC1080332020
3/4	3/4	1-1/2	4	4	STC1080332520
1	1	1-1/2	4	4	STC1080333020

Four Flute Long Length 35° /38° Spiral Angle 四齿35° /38° 螺旋角加长型



Type & Specifications/类型与规格

D1 h10	D2 h6	L2 js14	L1 js14	Flute No.	Order No.
1/4	1/4	7/8	4	4	STC1060330120
5/8	5/16	1	4	4	STC1060330520
3/8	3/8	1	4	4	STC1060330920
1/2	1/2	1-1/2	4	4	STC1060331320
1/2	1/2	1-1/2	6	4	STC1060331720
1/2	1/2	1-1/2	8	4	STC1060332120
5/8	5/8	1-5/8	6	4	STC1080332520
3/4	3/4	1-3/4	6	4	STC1060332920
1	1	2-1/4	6	4	STC1060333320



DIN end mills

二齿标准型/TWO FLUTE STANDARD



类型及规格 Type & Specifications



D1	D2	L2	L1	Flute	Order No.	Order No.	D1	D2	L2	L1	Flute	Order No.	Order No.
e8	h6	js18	js18	No.	HSS	HSS-Co8	e8	h6	js18	js18	No.	HSS	HSS-Co8
1	6	3	46	2	0110101010	0140101010	14	12	16	73	2	0110111510	0140111510
1.5	6	4	48	2	0110101510	0140101510	15	12	16	73	2	0110112010	0140112010
2	6	4	48	2	0110102010	0140102010	16	16	19	79	2	0110112510	0140112510
2.5	6	5	49	2	0110102510	0140102510	17	16	19	79	2	0110113010	0140113010
3	6	5	49	2	0110103010	0140103010	18	16	19	79	2	0110113510	0140113510
3.5	6	7	51	2	0110103510	0140103510	19	16	19	79	2	0110114010	0140114010
4	6	7	51	2	0110104010	0140104010	20	20	22	88	2	0110114510	0140114510
4.5	6	8	52	2	0110104510	0140104510	21	20	22	88	2	0110115010	0140115010
5	6	8	52	2	0110105010	0140105010	22	20	22	88	2	0110115510	0140115510
5.5	6	8	52	2	0110105510	0140105510	23	20	22	88	2	0110116010	0140116010
6	6	8	52	2	0110106010	0140106010	24	25	26	102	2	0110116510	0140116510
6.5	10	10	60	2	0110106510	0140106510	25	25	26	102	2	0110117010	0140117010
7	10	10	60	2	0110107010	0140107010	26	25	26	102	2	0110117510	0140117510
7.5	10	11	61	2	0110107510	0140107510	28	25	26	102	2	0110118010	0140118010
8	10	11	61	2	0110108010	0140108010	30	25	26	102	2	0110118510	0140118510
8.5	10	13	63	2	0110108510	0140108510	32	32	32	112	2	0110119010	0140119010
9	10	13	63	2	0110109010	0140109010	34	32	32	112	2	0110119510	0140119510
9.5	10	13	63	2	0110109310	0140109310	36	32	32	112	2	0110120510	0140120510
10	10	13	63	2	0110109510	0140109510	40	40	38	130	2	0110121010	0140121010
11	12	16	73	2	0110110010	0140110010	45	40	38	130	2	0110121510	0140121510
12	12	16	73	2	0110110510	0140110510	50	50	45	147	2	0110122010	0140122010
13	12	16	73	2	0110111010	0140111010							

二齿加长型/TWO FLUTE LONG LENGTH



类型及规格 Type & Specifications



D1	D2	L2	L1	Flute	Order No.	Order No.	D1	D2	L2	L1	Flute	Order No.	Order No.
e8	h6	js18	js18	No.	HSS	HSS-Co8	e8	h6	js18	js18	No.	HSS	HSS-Co8
1	6	5	52	2	0112200510	0142200510	20	20	38	141	2	0112215010	0142215010
2	6	7	54	2	0112201010	0142201010	22	20	38	141	2	0112216010	0142216010
3	6	8	56	2	0112203010	0142203010	24	25	45	166	2	0112216510	0142216510
4	6	11	63	2	0112205010	0142205010	25	25	45	166	2	0112217010	0142217010
5	6	13	68	2	0112206010	0142206010	26	25	45	166	2	0112217510	0142217510
6	6	13	68	2	0112207010	0142207010	28	25	45	166	2	0112218010	0142218010
7	10	16	80	2	0112208010	0142208010	30	25	45	166	2	0112218010	0142219010
8	10	19	88	2	0112209010	0142209010	32	32	53	186	2	0112220010	0142220010
9	10	19	88	2	0112209510	0142209510	34	32	53	186	2	0112220510	0142220510
10	10	22	95	2	0112210010	0142210010	36	32	53	186	2	0112221010	0142221010
12	12	26	110	2	0112211010	0142211010	40	40	63	217	2	0112222010	0142222010
14	12	26	110	2	0112212010	0142212010	45	40	63	217	2	0112223010	0142223010
15	16	32	123	2	0112213010	0142213010	50	50	75	252	2	0112224010	0142224010
18	16	32	123	2	0112214010	0142214010							

DIN end mills

二齿球头标准型/TWO FLUTE BALL NOSE STANDARD



类型及规格 Type & Specifications

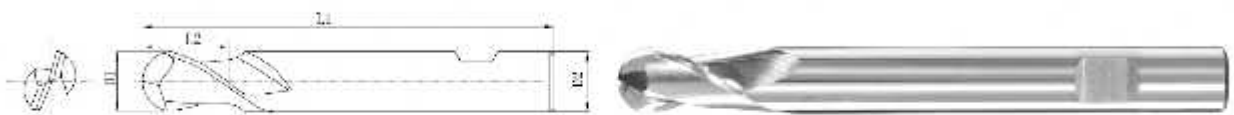


D1 e8	D2 h6	L2 js18	L1 js18	Flute No.	Order No. HSS	Order No. HSS-Co8	D1 e8	D2 h6	L2 js18	L1 js18	Flute No.	Order No. HSS	Order No. HSS-Co8
1	6	3	46	2	0910101010	0940101010	9.5	10	13	63	2	0910118010	0940118010
1.5	6	4	48	2	0910102010	0940102010	10	10	13	63	2	0910119010	0940119010
2	6	4	48	2	0910103010	0940103010	11	12	15	73	2	0910120010	0940120010
2.5	6	5	49	2	0910104010	0940104010	12	12	15	73	2	0910121010	0940121010
3	6	5	49	2	0910105010	0940105010	13	12	15	73	2	0910122010	0940122010
3.5	6	7	51	2	0910106010	0940106010	14	12	15	73	2	0910123010	0940123010
4	6	7	51	2	0910107010	0940107010	15	12	15	73	2	0910124010	0940124010
4.5	6	8	52	2	0910108010	0940108010	16	16	19	79	2	0910125010	0940125010
5	6	8	52	2	0910109010	0940109010	17	16	19	79	2	0910126010	0940126010
5.5	6	8	52	2	0910110010	0940110010	18	16	19	79	2	0910127010	0940127010
6	6	8	52	2	0910111010	0940111010	19	16	19	79	2	0910128010	0940128010
6.5	10	10	60	2	0910112010	0940112010	20	20	22	88	2	0910129010	0940129010
7	10	10	60	2	0910113010	0940113010	21	20	22	88	2	0910130010	0940130010
7.5	10	11	61	2	0910114010	0940114010	22	20	22	88	2	0910131010	0940131010
8	10	11	61	2	0910115010	0940115010	23	20	22	88	2	0910132010	0940132010
8.5	10	13	63	2	0910116010	0940116010	24	25	25	102	2	0910133010	0940133010
9	10	13	63	2	0910117010	0940117010	25	25	25	102	2	0910134010	0940134010

二齿球头加长型/TWO FLUTE BALL NOSE LONG LENGTH



类型及规格 Type & Specifications



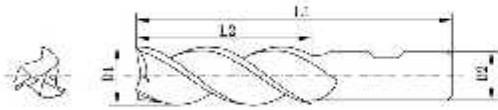
D1 e8	D2 h6	L2 js18	L1 js18	Flute No.	Order No. HSS	Order No. HSS-Co8	D1 e8	D2 h6	L2 js18	L1 js18	Flute No.	Order No. HSS	Order No. HSS-Co8
1	6	5	52	2	0912200510	0942200510	10	10	22	95	2	0912211010	0942211010
2	6	7	54	2	0912201010	0942201010	12	12	26	110	2	0912213010	0942213010
3	6	8	56	2	0912203010	0942203010	14	12	26	110	2	0912214010	0942214010
4	6	11	63	2	0912205010	0942205010	15	16	32	123	2	0912215010	0942215010
5	6	13	68	2	0912206010	0942206010	19	16	32	123	2	0912216010	0942216010
6	6	13	68	2	0912207010	0942207010	20	20	38	141	2	0912217010	0942217010
7	10	16	80	2	0912209010	0942209010	22	20	38	141	2	0912218010	0942218010
8	10	19	88	2	0912209010	0942209010	24	25	45	166	2	0912218510	0942218510
9	10	19	88	2	0912210010	0942210010	25	25	45	166	2	0912219010	0942219010

DIN end mills

三齿标准型/THREE FLUTE STANDARD



类型及规格 Type & Specifications

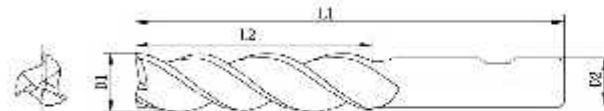


D1	D2	L2	L1	Flute	Order No.	Order No.	D1	D2	L2	L1	Flute	Order No.	Order No.
h10	h6	js18	js18	No.	HSS	HSS-Co8	h10	h6	js18	js18	No.	HSS	HSS-Co8
1	6	5	49	3	0110309010	0140309010	18	16	32	92	3	0110335010	0140335010
2	6	7	51	3	0110311010	0140311010	19	16	32	92	3	0110336010	0140336010
3	6	8	52	3	0110313010	0140313010	20	20	38	104	3	0110337010	0140337010
4	6	11	55	3	0110315010	0140315010	22	20	38	104	3	0110338010	0140338010
5	6	13	57	3	0110317010	0140317010	23	20	38	104	3	0110339010	0140339010
6	6	13	57	3	0110319010	0140319010	24	25	45	121	3	0110340010	0140340010
7	10	16	66	3	0110321010	0140321010	25	25	45	121	3	0110341010	0140341010
8	10	19	69	3	0110323010	0140323010	26	25	45	121	3	0110342010	0140342010
9	10	19	69	3	0110325010	0140325010	28	25	45	121	3	0110343010	0140343010
10	10	22	72	3	0110327010	0140327010	30	25	45	121	3	0110344010	0140344010
11	12	22	79	3	0110328010	0140328010	32	32	53	133	3	0110345010	0140345010
12	12	26	83	3	0110329010	0140329010	34	32	53	133	3	0110345510	0140345510
13	12	26	83	3	0110330010	0140330010	36	32	53	133	3	0110346010	0140346010
14	12	26	83	3	0110331010	0140331010	40	40	83	155	3	0110347010	0140347010
15	12	26	83	3	0110332010	0140332010	45	40	83	155	3	0110348010	0140348010
16	16	32	92	3	0110333010	0140333010	50	50	75	177	3	0110349010	0140349010
17	16	32	92	3	0110334010	0140334010							

三齿加长型/THREE FLUTE LONG LENGTH



类型及规格 Type & Specifications



D1	D2	L2	L1	Flute	Order No.	Order No.	D1	D2	L2	L1	Flute	Order No.	Order No.
h10	h6	js18	js18	No.	HSS	HSS-Co8	h10	h6	js18	js18	No.	HSS	HSS-Co8
1	6	8	52	3	0112410510	0142410510	20	20	75	141	3	0112443010	0142443010
2	6	10	54	3	0112411010	0142411010	22	20	75	141	3	0112445010	0142445010
3	6	12	56	3	0112415010	0142415010	24	25	90	166	3	0112446010	0142446010
4	6	19	63	3	0112419010	0142419010	25	25	90	166	3	0112447010	0142447010
5	6	24	68	3	0112421010	0142421010	26	25	90	166	3	0112448010	0142448010
6	6	24	68	3	0112423010	0142423010	28	25	90	166	3	0112449010	0142449010
7	10	30	80	3	0112425010	0142425010	30	25	90	166	3	0112451010	0142451010
8	10	38	88	3	0112427010	0142427010	32	32	106	186	3	0112453010	0142453010
9	10	38	88	3	0112429010	0142429010	34	32	106	186	3	0112454010	0142454010
10	10	45	95	3	0112431010	0142431010	36	32	106	186	3	0112455010	0142455010
12	12	53	110	3	0112435010	0142435010	40	40	125	217	3	0112457010	0142457010
14	12	53	110	3	0112437010	0142437010	45	40	125	217	3	0112458010	0142458010
16	16	63	123	3	0112439010	0142439010	50	50	150	252	3	0112459010	0142459010
18	16	63	123	3	0112441010	0142441010							

DIN end mills

四齿标准型/FOUR FLUTE STANDARD



类型及规格 Type & Specifications



D1	D2	L2	L1	Flute	Order No.	Order No.	D1	D2	L2	L1	Flute	Order No.	Order No.
h10	h6	js18	js18	No.	HSS	HSS-Co8	h10	h6	js18	js18	No.	HSS	HSS-Co8
1	6	5	49	4	0110500810	0140500810	14	12	26	83	4	0110509410	0140509410
1.5	6	7	51	4	0110501010	0140501010	15	12	26	83	4	0110509810	0140509810
2	6	7	51	4	0110501410	0140501410	16	16	32	92	4	0110510210	0140510210
2.5	6	8	52	4	0110501810	0140501810	17	16	32	92	4	0110510610	0140510610
3	6	8	52	4	0110502210	0140502210	18	16	32	92	4	0110511010	0140511010
3.5	6	10	54	4	0110502810	0140502810	19	16	32	92	4	0110511410	0140511410
4	6	11	55	4	0110503010	0140503010	20	20	38	104	4	0110511810	0140511810
4.5	6	11	55	4	0110503410	0140503410	21	20	38	104	4	0110512210	0140512210
5	6	13	57	4	0110503810	0140503810	22	20	38	104	4	0110512610	0140512610
5.5	6	13	57	4	0110504210	0140504210	23	20	38	104	4	0110513010	0140513010
6	6	13	57	4	0110504810	0140504810	24	25	45	121	4	0110513410	0140513410
6.5	10	16	66	4	0110505010	0140505010	25	25	45	121	4	0110513810	0140513810
7	10	16	66	4	0110505410	0140505410	26	25	45	121	4	0110514210	0140514210
7.5	10	19	69	4	0110505810	0140505810	28	25	45	121	4	0110514610	0140514610
8	10	19	69	4	0110506210	0140506210	30	25	45	121	4	0110515010	0140515010
8.5	10	19	69	4	0110506610	0140506610	32	32	53	133	4	0110515410	0140515410
9	10	19	69	4	0110507010	0140507010	34	32	53	133	4	0110515810	0140515810
9.5	10	22	72	4	0110507410	0140507410	36	32	53	133	4	0110515810	0140515810
10	10	22	72	4	0110507810	0140507810	40	40	63	155	4	0110516210	0140516210
11	12	22	79	4	0110508210	0140508210	42	40	63	155	4	0110516810	0140516810
12	12	26	83	4	0110508610	0140508610	45	40	63	155	4	0110517010	0140517010
13	12	26	83	4	0110509010	0140509010	50	50	75	177	4	0110517410	0140517410

四齿加长型/FOUR FLUTE LONG LENGTH



类型及规格 Type & Specifications



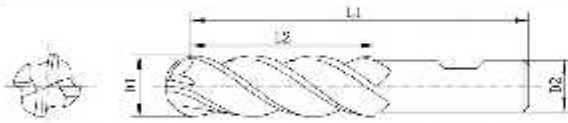
D1	D2	L2	L1	Flute	Order No.	Order No.	D1	D2	L2	L1	Flute	Order No.	Order No.
h10	h6	js18	js18	No.	HSS	HSS-Co8	h10	h6	js18	js18	No.	HSS	HSS-Co8
1	6	8	52	4	0112600510	0142600510	20	20	75	141	4	0112614010	0142614010
2	6	10	54	4	0112601010	0142601010	22	20	75	141	4	0112615010	0142615010
3	6	12	56	4	0112602010	0142602010	24	25	90	166	4	0112616010	0142616010
4	6	19	63	4	0112603010	0142603010	25	25	90	166	4	0112617010	0142617010
5	6	24	68	4	0112604010	0142604010	26	25	90	166	4	0112618010	0142618010
6	6	24	68	4	0112605010	0142605010	28	25	90	166	4	0112619010	0142619010
7	10	30	80	4	0112606010	0142606010	30	25	90	166	4	0112620010	0142620010
8	10	38	88	4	0112607010	0142607010	32	32	106	186	4	0112621010	0142621010
9	10	38	88	4	0112607510	0142607510	34	32	106	186	4	0112621510	0142621510
10	10	45	95	4	0112608010	0142608010	36	32	106	186	4	0112622010	0142622010
12	12	53	110	4	0112610010	0142610010	40	40	125	217	4	0112623010	0142623010
14	12	53	110	4	0112610410	0142610410	45	40	125	217	4	0112624010	0142624010
16	16	63	123	4	0112612010	0142612010	50	50	150	252	4	0112625010	0142625010
18	16	63	123	4	0112613010	0142613010							

DIN end mills

四齿球头标准型/FOUR FLUTE BALL NOSE STANDARD

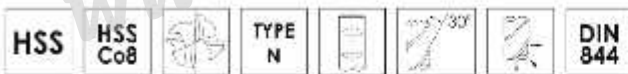


类型及规格 Type & Specifications

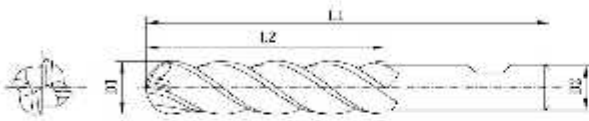


D1	D2	L2	L1	Flute	Order No.	Order No.	D1	D2	L2	L1	Flute	Order No.	Order No.
h10	h6	js18	js18	No.	HSS	HSS-Co8	h10	h6	js18	js18	No.	HSS	HSS-Co8
1	6	5	49	4	0910501010	0940501010	9.5	10	22	72	4	0910518010	0940518010
1.5	6	7	51	4	0910502010	0940502010	10	10	22	72	4	0910519010	0940519010
2	6	7	51	4	0910503010	0940503010	11	12	22	79	4	0910520010	0940520010
2.5	6	8	52	4	0910504010	0940504010	12	12	26	83	4	0910521010	0940521010
3	6	8	52	4	0910505010	0940505010	13	12	26	83	4	0910521510	0940521510
3.5	6	10	54	4	0910506010	0940506010	14	12	26	83	4	0910522010	0940522010
4	6	11	55	4	0910507010	0940507010	15	12	26	83	4	0910522510	0940522510
4.5	6	11	55	4	0910508010	0940508010	16	16	32	92	4	0910523010	0940523010
5	6	13	57	4	0910509010	0940509010	17	16	32	92	4	0910523510	0940523510
5.5	6	13	57	4	0910510010	0940510010	18	16	32	92	4	0910524010	0940524010
6	6	13	57	4	0910511010	0940511010	19	16	32	92	4	0910524510	0940524510
6.5	10	16	66	4	0910512010	0940512010	20	20	38	104	4	0910525010	0940525010
7	10	16	66	4	0910513010	0940513010	21	20	38	104	4	0910525510	0940525510
7.5	10	19	69	4	0910514010	0940514010	22	20	38	104	4	0910526010	0940526010
8	10	19	69	4	0910515010	0940515010	23	20	38	104	4	0910526510	0940526510
8.5	10	19	69	4	0910516010	0940516010	24	25	45	121	4	0910527010	0940527010
9	10	19	69	4	0910517010	0940517010	25	25	45	121	4	0910528010	0940528010

四齿球头加长型/FOUR FLUTE BALL NOSE LONG LENGTH



类型及规格 Type & Specifications



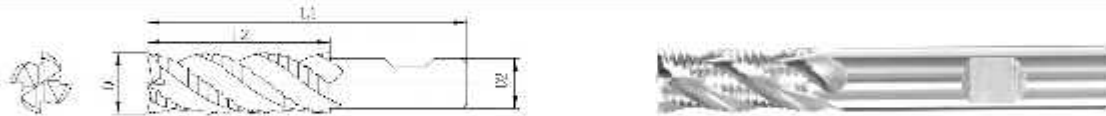
D1	D2	L2	L1	Flute	Order No.	Order No.	D1	D2	L2	L1	Flute	Order No.	Order No.
h10	h6	js18	js18	No.	HSS	HSS-Co8	h10	h6	js18	js18	No.	HSS	HSS-Co8
1	6	8	52	4	0912600510	0942600510	10	10	45	95	4	0912617010	0942617010
2	6	10	54	4	0912601010	0942601010	12	12	53	110	4	0912621010	0942621010
3	6	12	56	4	0912603010	0942603010	14	12	53	110	4	0912623010	0942623010
4	6	19	63	4	0912605010	0942605010	16	16	63	123	4	0912625010	0942625010
5	6	24	68	4	0912607010	0942607010	18	16	63	123	4	0912627010	0942627010
6	6	24	68	4	0912609010	0942609010	20	20	75	141	4	0912629010	0942629010
7	10	30	80	4	0912611010	0942611010	22	20	75	141	4	0912631010	0942631010
8	10	38	88	4	0912613010	0942613010	24	25	90	166	4	0912631510	0942631510
9	10	38	88	4	0912615010	0942615010	25	25	90	166	4	0912633010	0942633010

DIN end mills

粗牙波刃标准型/ROUGHING END MILLS MF STANDARD TYPE NR



类型及规格 Type & Specifications



D1	D2	L2	L1	Flute	Order No.	Order No.	D1	D2	L2	L1	Flute	Order No.	Order No.
js14	h6	js18	js18	No.	HSS	HSS-Co8	js14	h6	js18	js18	No.	HSS	HSS-Co8
6	6	13	57	4	0310501010	0340501010	20	20	38	104	4	0310507510	0340507510
7	10	16	66	4	0310501510	0340501510	22	20	38	104	4	0310508010	0340508010
8	10	19	69	4	0310502010	0340502010	24	25	45	121	4	0310508510	0340508510
9	10	19	69	4	0310502510	0340502510	25	25	45	121	4	0310509010	0340509010
10	10	22	72	4	0310503010	0340503010	26	25	45	121	5	0310509510	0340509510
11	12	22	79	4	0310503510	0340503510	28	25	45	121	5	0310510010	0340510010
12	12	26	83	4	0310504010	0340504010	30	25	45	121	5	0310510510	0340510510
13	12	26	83	4	0310504510	0340504510	32	32	53	133	5	0310511010	0340511010
14	12	26	83	4	0310505010	0340505010	35	32	53	133	6	0310511510	0340511510
15	12	26	83	4	0310505510	0340505510	40	40	63	155	6	0310512010	0340512010
16	16	32	92	4	0310506010	0340506010	45	40	63	155	6	0310513010	0340513010
17	16	32	92	4	0310506510	0340506510	50	50	75	177	6	0310513510	0340513510
18	16	32	92	4	0310507010	0340507010							

粗牙波刃加长型/ROUGHING END MILLS MF LONG LENGTH TYPE NR



类型及规格 Type & Specifications



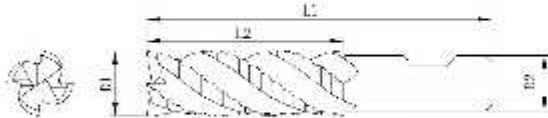
D1	D2	L2	L1	Flute	Order No.	Order No.	D1	D2	L2	L1	Flute	Order No.	Order No.
js14	h6	js18	js18	No.	HSS	HSS-Co8	js14	h6	js18	js18	No.	HSS	HSS-Co8
6	6	24	68	4	0312601010	0342601010	22	20	75	141	4	0312613010	0342613010
7	8	30	74	4	0312602010	0342602010	24	25	90	166	4	0312614010	0342614010
8	8	38	88	4	0312603010	0342603010	25	25	90	166	4	0312615010	0342615010
8	10	38	88	4	0312604010	0342604010	28	25	90	166	5	0312616010	0342616010
9	10	38	88	4	0312605010	0342605010	28	25	90	166	5	0312617010	0342617010
10	10	45	95	4	0312606010	0342606010	30	25	90	166	5	0312618010	0342618010
12	12	53	110	4	0312608010	0342608010	32	32	106	186	5	0312619010	0342619010
14	12	53	110	4	0312609010	0342609010	35	32	106	186	6	0312620010	0342620010
16	16	63	123	4	0312610010	0342610010	40	40	125	217	6	0312621010	0342621010
18	16	63	123	4	0312611010	0342611010	45	40	125	217	6	0312622010	0342622010
20	20	75	141	4	0312612010	0342612010	50	50	150	252	6	0312623010	0342623010

DIN end mills

细牙波刃标准型/ROUGHING END MILLS MF STANDARD TYPE HR



类型及规格 Type & Specifications

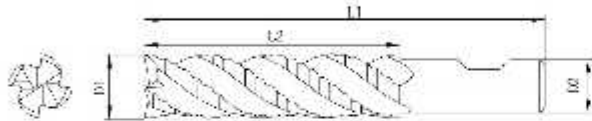


D1	D2	L2	L1	Flute	Order No.	Order No.	D1	D2	L2	L1	Flute	Order No.	Order No.
js14	h6	js18	js18	No.	HSS	HSS-Co8	js14	h6	js18	js18	No.	HSS	HSS-Co8
6	6	13	57	4	0310521010	0340521010	20	20	38	104	4	0310527510	0340527510
7	10	16	66	4	0310521510	0340521510	22	20	38	104	4	0310528010	0340528010
8	10	19	69	4	0310522010	0340522010	24	25	45	121	4	0310528510	0340528510
9	10	19	69	4	0310522510	0340522510	25	25	45	121	4	0310529010	0340529010
10	10	22	72	4	0310523010	0340523010	26	25	45	121	5	0310529510	0340529510
11	12	22	79	4	0310523510	0340523510	28	25	45	121	5	0310530010	0340530010
12	12	26	83	4	0310524010	0340524010	30	25	45	121	5	0310530510	0340530510
13	12	26	83	4	0310524510	0340524510	32	32	53	133	5	0310531010	0340531010
14	12	26	83	4	0310525010	0340525010	36	32	53	133	6	0310531510	0340531510
15	12	26	83	4	0310525510	0340525510	40	40	63	155	6	0310532010	0340532010
16	16	32	92	4	0310526010	0340526010	45	40	63	155	6	0310533010	0340533010
17	16	32	92	4	0310526510	0340526510	50	50	75	177	6	0310533510	0340533510
18	16	32	92	4	0310527010	0340527010							

细牙波刃加长型/ROUGHING END MILLS MF LONG LENGTH TYPE HR



类型及规格 Type & Specifications

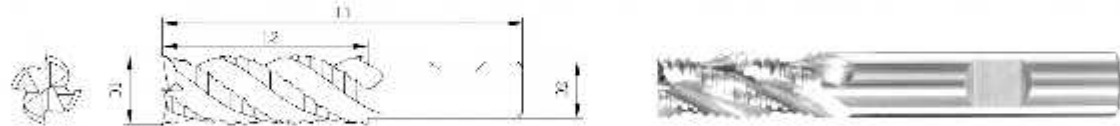


D1	D2	L2	L1	Flute	Order No.	Order No.	D1	D2	L2	L1	Flute	Order No.	Order No.
js14	h6	js18	js18	No.	HSS	HSS-Co8	js14	h6	js18	js18	No.	HSS	HSS-Co8
6	6	24	68	4	0312625010	0342625010	24	25	90	106	4	0312636010	0342636010
8	8	38	88	4	0312626010	0342626010	25	25	90	106	4	0312637010	0342637010
8	10	38	88	4	0312627010	0342627010	26	25	90	106	5	0312638010	0342638010
10	10	45	95	4	0312628010	0342628010	28	25	90	106	5	0312639010	0342639010
12	12	53	110	4	0312630010	0342630010	30	25	90	106	5	0312640010	0342640010
14	12	53	110	4	0312631010	0342631010	32	32	108	106	5	0312641010	0342641010
16	16	63	123	4	0312632010	0342632010	36	32	108	106	6	0312642010	0342642010
18	16	63	123	4	0312633010	0342633010	40	40	125	217	6	0312643010	0342643010
20	20	75	141	4	0312634010	0342634010	45	40	125	217	6	0312644010	0342644010
22	20	75	141	4	0312635010	0342635010	50	50	150	252	6	0312645010	0342645010

半精波刃标准型/ROUGHING END MILLS MF STANDARD TYPE NF



类型及规格 Type & Specifications

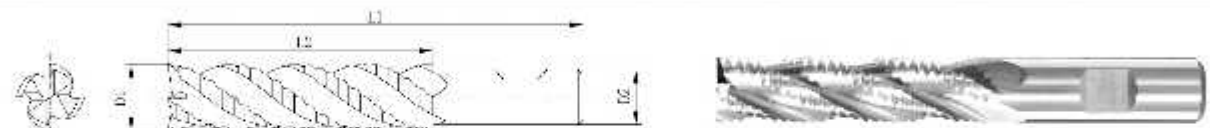


D1	D2	L2	L1	Flute No.	Order No. HSS	Order No. HSS-Co8	D1	D2	L2	L1	Flute No.	Order No. HSS	Order No. HSS-Co8
js14	h6	js18	js18				js14	h6	js18	js18			
6	6	13	57	4	0310541010	0340541010	18	16	32	92	4	0310548010	0340548010
7	8	16	60	4	0310541510	0340541510	20	20	38	104	4	0310549010	0340549010
7	10	16	66	4	0310542010	0340542010	22	20	38	104	4	0310549510	0340549510
8	8	19	69	4	0310542510	0340542510	24	25	45	121	4	0310550010	0340550010
8	10	19	69	4	0310543010	0340543010	25	25	45	121	4	0310550510	0340550510
9	10	19	69	4	0310543510	0340543510	26	25	45	121	5	0310551010	0340551010
10	10	22	72	4	0310544010	0340544010	28	25	45	121	5	0310551510	0340551510
11	12	22	79	4	0310544510	0340544510	30	25	45	121	5	0310552010	0340552010
12	12	26	83	4	0310545010	0340545010	32	32	53	133	5	0310552510	0340552510
13	12	26	83	4	0310545510	0340545510	36	32	53	133	6	0310553010	0340553010
14	12	26	83	4	0310546010	0340546010	40	40	63	155	6	0310553510	0340553510
15	12	26	83	4	0310546510	0340546510	45	40	63	155	6	0310554010	0340554010
16	16	32	92	4	0310547010	0340547010	50	50	75	177	6	0310554510	0340554510
17	16	32	92	4	0310547510	0340547510							

半精波刃加长型/ROUGHING END MILLS MF LONG LENGTH TYPE NF



类型及规格 Type & Specifications



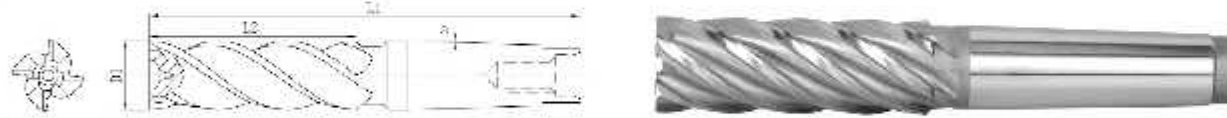
D1	D2	L2	L1	Flute No.	Order No. HSS	Order No. HSS-Co8	D1	D2	L2	L1	Flute No.	Order No. HSS	Order No. HSS-Co8
js14	h6	js18	js18				js14	h6	js18	js18			
6	6	24	66	4	0312651010	0342651010	24	25	90	166	4	0312663010	0342663010
8	8	38	86	4	0312652010	0342652010	25	25	90	166	4	0312664010	0342664010
8	10	38	86	4	0312653010	0342653010	26	25	90	166	5	0312665010	0342665010
9	10	38	86	4	0312654010	0342654010	28	25	90	166	5	0312666010	0342666010
10	10	45	95	4	0312655010	0342655010	30	25	90	166	5	0312667010	0342667010
12	12	53	110	4	0312657010	0342657010	32	32	106	186	5	0312668010	0342668010
14	12	53	110	4	0312658010	0342658010	36	32	106	186	6	0312669010	0342669010
16	16	63	123	4	0312659010	0342659010	40	40	125	217	6	0312670010	0342670010
18	16	63	123	4	0312660010	0342660010	45	32	125	217	6	0312671010	0342671010
20	20	75	141	4	0312661010	0342661010	50	50	150	252	6	0312672010	0342672010
22	20	75	141	4	0312662010	0342662010							

DIN end mills

多齿锥柄立铣刀/TAPER SHANK END MILLS MULTIPLE FLUTE

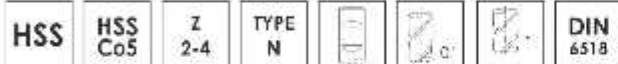


类型及规格 Type & Specifications

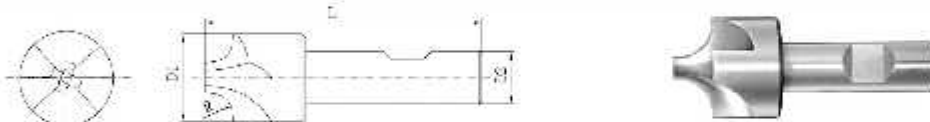


D1 h10	L2 js18	L1 js18	Morse Taper	Flute No.	Order No. HSS	Order No. HSS-Co8	D1 h10	L2 js18	L1 js18	Morse Taper	Flute No.	Order No. HSS	Order No. HSS-Co8
10	22	92	1	4	0913001010	0943001010	28	45	147	3	5	0913028010	0943028010
12	26	96	1	4	0913002010	0943002010	28	45	147	3	8	0913029010	0943029010
14	26	96	1	4	0913003010	0943003010	28	90	192	3	4	0913030010	0943030010
14	26	111	2	3	0913004010	0943004010	28	90	192	3	6	0913031010	0943031010
14	26	111	2	4	0913005010	0943005010	30	53	155	3	4	0913032010	0943032010
14	26	111	2	5	0913006010	0943006010	30	53	155	3	5	0913033010	0943033010
16	32	117	2	3	0913008010	0943008010	32	53	155	3	4	0913034010	0943034010
16	32	117	2	4	0913009010	0943009010	32	53	155	3	6	0913035010	0943035010
16	32	117	2	5	0913010010	0943010010	32	53	178	4	6	0913036010	0943036010
18	32	117	2	3	0913011010	0943011010	36	53	155	3	4	0913037010	0943037010
18	32	117	2	4	0913012010	0943012010	36	53	155	3	6	0913038010	0943038010
18	32	117	2	5	0913013010	0943013010	36	53	178	4	6	0913039010	0943039010
20	38	123	2	3	0913014010	0943014010	36	106	208	3	4	0913040010	0943040010
20	38	123	2	4	0913015010	0943015010	40	63	188	4	6	0913041010	0943041010
20	38	140	3	3	0913016010	0943016010	40	63	188	4	8	0913042010	0943042010
20	38	140	3	4	0913017010	0943017010	40	125	250	4	6	0913043010	0943043010
22	38	140	3	3	0913018010	0943018010	45	63	188	4	4	0913044010	0943044010
22	38	140	3	5	0913019010	0943019010	45	63	188	4	6	0913045010	0943045010
22	75	177	3	3	0913020010	0943020010	45	63	188	4	8	0913046010	0943046010
22	75	177	3	4	0913021010	0943021010	45	125	250	4	4	0913047010	0943047010
25	45	147	3	3	0913022010	0943022010	45	125	250	4	6	0913048010	0943048010
25	45	147	3	5	0913023010	0943023010	50	75	200	4	6	0913049010	0943049010
25	90	192	3	3	0913024010	0943024010	50	75	233	5	4	0913050010	0943050010
25	90	192	3	4	0913025010	0943025010	50	75	233	5	6	0913051010	0943051010
28	45	147	3	3	0913026010	0943026010	50	150	308	5	8	0913052010	0943052010
28	45	147	3	4	0913027010	0943027010							

内R立铣刀/CORNER ROUNDING END MILLS



类型及规格 Type & Specifications



R	D2	D1	L	Flute	Order No.	Order No.	R	D2	D1	L	Flute	Order No.	Order No.
h11	h6	h11	js18	No.	HSS	HSS-Co5	h11	h6	h11	js18	No.	HSS	HSS-Co5
1	8	8	60	2	2110201010	2140201010	3	12	12	60	4	2110404010	2140404010
1.5	8	9	60	2	2110202010	2140202010	4	12	14	60	4	2110405010	2140405010
2	10	10	60	2	2110203010	2140203010	5	12	16	60	4	2110406010	2140406010
2.5	10	11	60	2	2110204010	2140204010	6	16	20	65	4	2110407010	2140407010
3	12	12	60	2	2110205010	2140205010	6	16	20	67	4	2110408010	2140408010
3.5	12	13	60	2	2110206010	2140206010	8	16	24	71	4	2110409010	2140409010
4	12	14	60	2	2110207010	2140207010	10	25	28	85	4	2110410010	2140410010
4.5	12	15	60	2	2110208010	2140208010	12	25	34	90	4	2110411010	2140411010
5	16	16	60	2	2110209010	2140209010	16	25	48	100	4	2110412010	2140412010
2	10	10	60	4	2110403010	2140403010	20	32	56	112	4	2110413010	2140413010

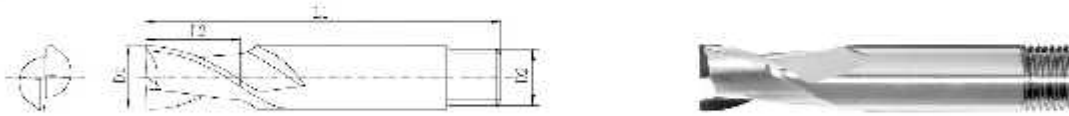


BS end mills

公制二齿标准型/METRIC TWO FLUTE STANDARD



类型及规格 Type & Specifications

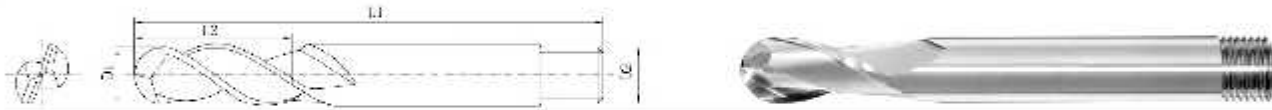


Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1	6	2.5	46.5	2	0110171430	0140171430	19	16	25.5	77	2	0110182230	0140182230
1.5	6	2.5	46.5	2	0110171030	0140171030	20	16	25.5	77	2	0110182630	0140182630
2	6	3	49	2	0110171430	0140171430	21	25	25.5	86.5	2	0110183030	0140183030
2.5	6	4.5	51	2	0110171830	0140171830	22	25	25.5	100	2	0110183430	0140183430
3	6	7	51	2	0110172230	0140172230	23	25	25.5	101.5	2	0110183830	0140183830
3.5	6	7.5	52.5	2	0110172630	0140172630	24	25	25.5	103	2	0110184230	0140184230
4	6	9.5	52.5	2	0110173030	0140173030	25	25	27	95	2	0110184630	0140184630
4.5	6	9.5	52.5	2	0110173430	0140173430	26	25	27	95	2	0110185030	0140185030
5	6	9.5	52.5	2	0110173830	0140173830	28	25	30	95	2	0110185830	0140185830
5.5	6	11	55.5	2	0110174230	0140174230	30	25	30	93.5	2	0110186630	0140186630
6	6	11	56.5	2	0110174630	0140174630	32	25	38	101.5	2	0110187030	0140187030
6.5	10	11	58.5	2	0110175030	0140175030	34	25	38	101.5	2	0110187430	0140187430
7	10	11	58.5	2	0110175430	0140175430	36	25	39.5	103	2	0110188230	0140188230
7.5	10	11	58.5	2	0110175830	0140175830	38	25	43	106.5	2	0110188630	0140188630
8	10	12.5	59.5	2	0110176230	0140176230	40	25	46	111	2	0110189030	0140189030
8.5	10	14.5	60.5	2	0110176630	0140176630	42	25	47.5	112.5	2	0110189430	0140189430
9	10	14.5	60.5	2	0110177030	0140177030	45	25	51	116	2	0110190230	0140190230
9.5	10	14.5	60.5	2	0110177430	0140177430	32	32	35	117.5	2	0110190630	0140190630
10	10	14.5	60.5	2	0110177830	0140177830	34	32	35	119	2	0110191030	0140191030
11	12	17.5	65	2	0110178630	0140178630	35	32	39.5	111	2	0110191430	0140191430
12	12	19	66.5	2	0110179430	0140179430	36	32	39.5	111	2	0110191830	0140191830
13	12	19	66.5	2	0110179830	0140179830	38	32	43	114.5	2	0110192230	0140192230
14	12	22	66.5	2	0110180230	0140180230	40	32	48	117.5	2	0110192630	0140192630
15	16	22	72	2	0110180630	0140180630	42	32	47.5	117.5	2	0110193030	0140193030
16	16	22	72	2	0110181030	0140181030	45	32	47.5	119	2	0110193830	0140193830
17	16	24	74	2	0110181430	0140181430	50	32	51	117.5	2	0110194230	0140194230
18	16	24	74	2	0110181830	0140181830							

公制二齿球头加长型/METRIC TWO FLUTE BALL NOSE LONG LENGTH



类型及规格 Type & Specifications



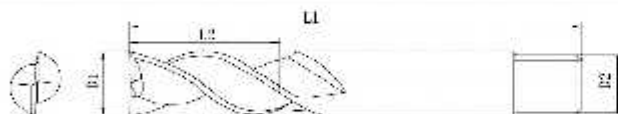
Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1	6	3	50	2	0912230330	0942230330	13	12	25.5	95	2	0912241030	0942241030
2	6	4	51	2	0912230630	0942230630	14	12	28.5	101.5	2	0912242030	0942242030
3	6	11	60.5	2	0912231030	0942231030	15	16	31.5	108	2	0912243030	0942243030
4	6	12.5	66.5	2	0912232030	0942232030	16	16	31.5	108	2	0912244030	0942244030
5	6	12.5	70	2	0912233030	0942233030	17	16	35	114.5	2	0912245030	0942245030
6	6	16	76	2	0912234030	0942234030	18	16	35	114.5	2	0912246030	0942246030
7	10	16	76	2	0912235030	0942235030	19	16	38	120.5	2	0912247030	0942247030
8	10	19	78.5	2	0912236030	0942236030	20	16	38	120.5	2	0912248030	0942248030
9	10	22	82.5	2	0912237030	0942237030	22	25	41.5	140	2	0912249030	0942249030
10	10	22	82.5	2	0912238030	0942238030	24	25	41.5	152.5	2	0912250030	0942250030
11	12	22	85	2	0912239030	0942239030	25	25	44.5	159	2	0912251030	0942251030
12	12	25.5	95	2	0912240030	0942240030							

BS end mills

公制二齿加长型/METRIC TWO FLUTE LONG LENGTH



类型及规格 Type & Specifications

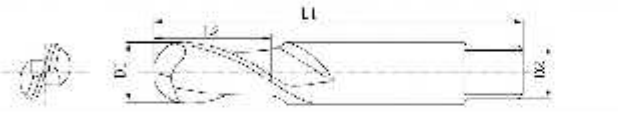


Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1	6	3	50	2	012250530	0142250530	22	25	41.5	140	2	0112277030	0142277030
2	6	4	51	2	012251030	0142251030	24	25	41.5	152.5	2	0112278030	0142278030
3	6	11	60.5	2	012253030	0142253030	25	25	44.5	159	2	0112279030	0142279030
4	6	12.5	66.5	2	012255030	0142255030	26	25	44.5	159	2	0112280030	0142280030
5	6	12.5	70	2	012257030	0142257030	28	25	47.5	159	2	0112281030	0142281030
6	6	16	76	2	012259030	0142259030	30	25	51	159	2	0112282030	0142282030
7	10	18	76	2	012261030	0142261030	32	25	51	159	2	0112283030	0142283030
8	10	19	79.5	2	012263030	0142263030	34	25	51	159	2	0112284030	0142284030
9	10	22	82.5	2	012265030	0142265030	36	25	54	159	2	0112286030	0142286030
10	10	22	82.5	2	012266030	0142266030	38	25	57	159	2	0112287030	0142287030
11	12	22	89	2	012267030	0142267030	40	25	57	159	2	0112288030	0142288030
12	12	25.5	95	2	012268030	0142268030	45	25	57	159	2	0112289030	0142289030
13	12	25.5	95	2	012269030	0142269030	32	32	51	159	2	0112290030	0142290030
14	12	28.5	101.5	2	012270030	0142270030	34	32	51	159	2	0112291030	0142291030
15	16	31.5	108	2	012271030	0142271030	36	32	54	159	2	0112293030	0142293030
16	16	31.5	108	2	012272030	0142272030	38	32	57	159	2	0112294030	0142294030
17	16	35	114.5	2	012273030	0142273030	40	32	63.5	159	2	0112295030	0142295030
18	16	35	114.5	2	012274030	0142274030	42	32	63.5	159	2	0112296030	0142296030
19	16	38	120.5	2	012275030	0142275030	45	32	63.5	159	2	0112298030	0142298030
20	16	38	120.5	2	012276030	0142276030	50	32	63.5	159	2	0112299030	0142299030

公制二齿球头标准型/METRIC TWO FLUTE BALL NOSE STANDARD



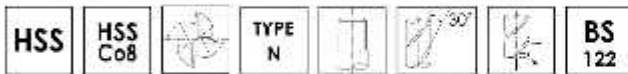
类型及规格 Type & Specifications



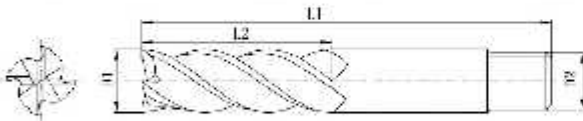
Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1	6	2.5	48.5	2	0910131030	0940131030	9	10	14.5	58.5	2	0910147030	0940147030
1.5	6	2.5	48.5	2	0910132030	0940132030	9.5	10	14.5	58.5	2	0910148030	0940148030
2	6	3	49	2	0910133030	0940133030	10	10	14.5	60.5	2	0910149030	0940149030
2.5	6	4.5	51	2	0910134030	0940134030	11	12	17.5	65	2	0910150030	0940150030
3	6	7	51	2	0910135030	0940135030	12	12	19	66.5	2	0910151030	0940151030
3.5	6	9.5	52.5	2	0910136030	0940136030	13	12	19	66.5	2	0910152030	0940152030
4	6	9.5	52.5	2	0910137030	0940137030	14	12	22	68.5	2	0910153030	0940153030
4.5	6	9.5	52.5	2	0910138030	0940138030	15	16	22	72	2	0910154030	0940154030
5	6	9.5	52.5	2	0910139030	0940139030	16	16	22	72	2	0910155030	0940155030
5.5	6	11	56.5	2	0910140030	0940140030	17	16	24	73	2	0910156030	0940156030
6	6	11	56.5	2	0910141030	0940141030	18	16	24	74	2	0910157030	0940157030
6.5	10	11	58.5	2	0910142030	0940142030	19	16	25.5	77	2	0910158030	0940158030
7	10	11	58.5	2	0910143030	0940143030	20	16	25.5	77	2	0910159030	0940159030
7.5	10	12.5	59.5	2	0910144030	0940144030	22	25	25.5	100	2	0910160030	0940160030
8	10	12.5	59.5	2	0910145030	0940145030	24	25	25.5	103	2	0910161030	0940161030
8.5	10	11	58.5	2	0910146030	0940146030	25	25	28.5	97	2	0910162030	0940162030

BS end mills

公制四齿标准型/METRIC FOUR FLUTE STANDARD



类型及规格 Type & Specifications

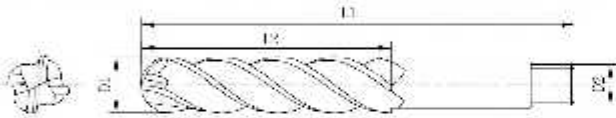


Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1	6	6	50	4	0110568030	0140568030	18	16	35	80	4	0110581030	0140581030
1.5	8	6.5	51	4	0110569030	0140569030	19	16	38	83.5	4	0110581430	0140581430
2	6	6.5	51	4	0110570030	0140570030	20	16	38	83.5	4	0110581830	0140581830
2.5	8	6.5	51	4	0110571030	0140571030	21	25	38	95	4	0110582230	0140582230
3	8	9.5	54	4	0110571430	0140571430	22	25	41.5	98.5	4	0110582630	0140582630
3.5	8	12.5	57	4	0110571830	0140571830	23	25	41.5	98.5	4	0110583030	0140583030
4	6	12.5	57	4	0110572230	0140572230	24	25	41.5	98.5	4	0110583430	0140583430
4.5	6	12.5	57	4	0110572630	0140572630	25	25	44.5	101.5	4	0110583830	0140583830
5	6	15	60.5	4	0110573030	0140573030	26	25	43	101.5	4	0110584230	0140584230
5.5	6	15	60.5	4	0110573430	0140573430	28	25	46	104.5	4	0110584630	0140584630
6	6	15	60.5	4	0110573830	0140573830	30	25	46	104.5	4	0110585030	0140585030
6.5	10	15	60.5	4	0110574230	0140574230	32	25	49	108	4	0110585430	0140585430
7	10	15	60.5	4	0110574630	0140574630	34	25	49	108	4	0110585830	0140585830
7.5	10	15	60.5	4	0110575030	0140575030	36	25	52.5	111	4	0110586630	0140586630
8	10	18	63.5	4	0110575430	0140575430	38	25	55	114.5	4	0110587030	0140587030
8.5	10	21	66.5	4	0110575830	0140575830	40	25	58.5	117.5	4	0110587430	0140587430
9	10	21	66.5	4	0110576230	0140576230	42	25	60.5	117.5	4	0110587830	0140587830
9.5	10	21	66.5	4	0110576630	0140576630	45	25	63.5	120.5	4	0110588630	0140588630
10	10	21	66.5	4	0110577030	0140577030	32	32	51	112.5	4	0110589030	0140589030
11	12	19	66.5	4	0110577830	0140577830	34	32	51	112.5	4	0110589830	0140589830
12	12	24	70	4	0110578630	0140578630	36	32	54	116	4	0110590630	0140590630
13	12	24.5	70	4	0110579030	0140579030	38	32	54	116	4	0110591030	0140591030
14	12	25.5	73	4	0110579430	0140579430	40	32	55.5	117.5	4	0110591430	0140591430
15	16	26.5	77	4	0110579830	0140579830	42	32	54	116	4	0110591830	0140591830
16	16	28.5	77	4	0110580230	0140580230	45	32	57	119	4	0110592630	0140592630
17	16	32	80	4	0110580630	0140580630	50	32	65	127	4	0110593030	0140593030

公制四齿球头加长型/METRIC FOUR FLUTE BALL NOSE LONG LENGTH



类型及规格 Type & Specifications

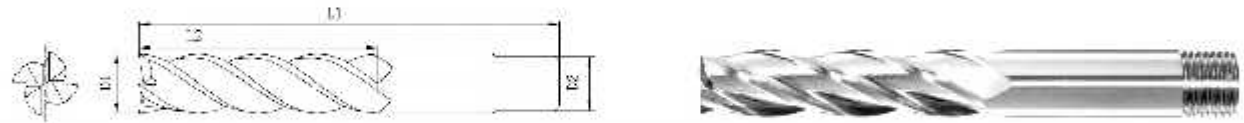


Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1	6	12.5	57	4	0912640030	0942640030	13	12	50	95	4	0912652030	0942652030
2	6	15	60.5	4	0912641030	0942641030	14	12	57	101.5	4	0912653030	0942653030
3	6	19	63.5	4	0912642030	0942642030	15	16	58.5	108.5	4	0912654030	0942654030
4	6	25.5	70	4	0912643030	0942643030	16	16	58.5	108.5	4	0912655030	0942655030
5	6	31.5	76	4	0912644030	0942644030	17	16	67	115	4	0912656030	0942656030
6	6	31.5	76	4	0912645030	0942645030	18	16	70	115	4	0912657030	0942657030
7	10	34	79.5	4	0912646030	0942646030	19	16	76	121.5	4	0912658030	0942658030
8	10	34	79.5	4	0912647030	0942647030	20	16	76	121.5	4	0912659030	0942659030
9	10	37	82.5	4	0912648030	0942648030	22	25	85.5	143	4	0912660030	0942660030
10	10	37	82.5	4	0912649030	0942649030	24	25	92	149	4	0912661030	0942661030
11	12	41.5	89	4	0912650030	0942650030	25	25	100	157	4	0912662030	0942662030
12	12	49.5	95	4	0912651030	0942651030							

公制四齿加长型/METRIC FOUR FLUTE LONG LENGTH



类型及规格 Type & Specifications

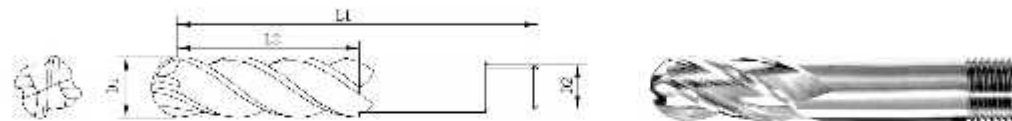


Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1	6	12.5	57	4	0112650330	0142650330	22	25	85.5	143	4	0112675030	0142675030
2	6	16	60.5	4	0112650630	0142650630	24	25	92	149	4	0112676030	0142676030
3	6	19	63.5	4	0112651030	0142651030	25	25	100	157	4	0112677030	0142677030
4	6	25.5	70	4	0112653030	0142653030	26	25	98.5	157	4	0112678030	0142678030
5	6	31.5	76	4	0112655030	0142655030	28	25	98.5	157	4	0112679030	0142679030
6	6	31.5	78	4	0112657030	0142657030	30	25	98.5	157	4	0112680030	0142680030
7	10	34	79.5	4	0112659030	0142659030	32	25	100	159	4	0112681030	0142681030
8	10	34	79.5	4	0112661030	0142661030	34	25	100	159	4	0112682030	0142682030
9	10	37	82.5	4	0112663030	0142663030	36	25	100	159	4	0112684030	0142684030
10	10	37	82.5	4	0112664030	0142664030	38	25	100	159	4	0112685030	0142685030
11	12	41.5	89	4	0112666030	0142666030	40	25	101.5	159	4	0112686030	0142686030
12	12	49.5	95	4	0112668030	0142668030	45	25	101.5	159	4	0112687030	0142687030
13	12	50	95	4	0112667030	0142667030	32	32	101.5	163.5	4	0112688030	0142688030
14	12	57	101.5	4	0112668030	0142668030	34	32	101.5	163.5	4	0112689030	0142689030
15	16	58.5	108.5	4	0112669030	0142669030	36	32	101.5	163.5	4	0112691030	0142691030
16	16	58.5	108.5	4	0112670030	0142670030	38	32	101.5	163.5	4	0112692030	0142692030
17	16	67	115	4	0112671030	0142671030	40	32	101.5	163.5	4	0112693030	0142693030
18	16	70	115	4	0112672030	0142672030	42	32	101.5	163.5	4	0112694030	0142694030
19	16	76	121.5	4	0112673030	0142673030	45	32	101.5	163.5	4	0112696030	0142696030
20	16	76	121.5	4	0112674030	0142674030	50	32	101.5	163.5	4	0112697030	0142697030

公制四齿球头标准型/METRIC FOUR FLUTE BALL NOSE STANDARD



类型及规格 Type & Specifications



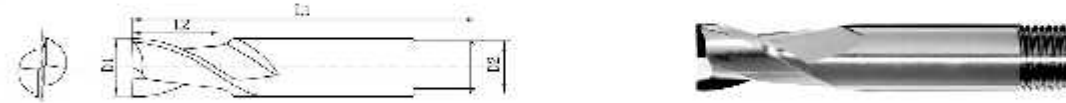
Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1	6	6	50	4	0910540030	0940540030	5	10	21	66.5	4	0910556030	0940556030
1.5	6	6.5	51	4	0910541030	0940541030	8.5	10	21	66.5	4	0910557030	0940557030
2	6	6.5	51	4	0910542030	0940542030	10	10	21	66.5	4	0910558030	0940558030
2.5	6	6.5	51	4	0910543030	0940543030	11	12	19	66.5	4	0910559030	0940559030
3	6	9.5	54	4	0910544030	0940544030	12	12	24	70	4	0910560030	0940560030
3.5	6	12.5	57	4	0910545030	0940545030	13	12	24.5	70	4	0910561030	0940561030
4	6	12.5	57	4	0910546030	0940546030	14	12	28.5	73	4	0910562030	0940562030
4.5	6	12.5	57	4	0910547030	0940547030	15	16	26.5	77	4	0910563030	0940563030
5	6	16	60.5	4	0910548030	0940548030	16	16	26.5	77	4	0910564030	0940564030
5.5	6	16	60.5	4	0910549030	0940549030	17	16	32	80	4	0910565030	0940565030
6	6	16	60.5	4	0910550030	0940550030	18	16	35	80	4	0910566030	0940566030
6.5	10	16	60.5	4	0910551030	0940551030	19	16	38	83.5	4	0910567030	0940567030
7	10	15	60.5	4	0910552030	0940552030	20	16	38	83.5	4	0910568030	0940568030
7.5	10	18	63.5	4	0910553030	0940553030	22	25	41.5	98.5	4	0910569030	0940569030
8	10	18	63.5	4	0910554030	0940554030	24	25	41.5	98.5	4	0910570030	0940570030
8.5	10	21	66.5	4	0910555030	0940555030	25	25	44.5	101.5	4	0910571030	0940571030

BS end mills

英制二齿标准型/IMPERIAL TWO FLUTE STANDARD

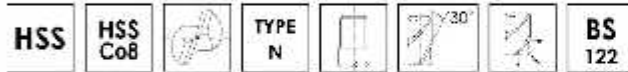


类型及规格 Type & Specifications

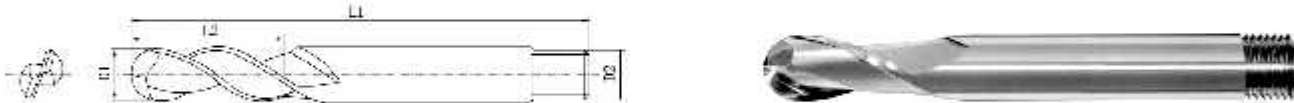


Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
3/64	1/4	3/32	1-29/32	2	0010140530	0040140530	5/8	5/8	7/8	2-27/32	2	0010157030	0040157030
1/16	1/4	3/32	1-29/32	2	0010141030	0040141030	21/32	5/8	15/16	2-7/8	2	0010157530	0040157530
5/64	1/4	3/32	1-15/16	2	0010141530	0040141530	11/16	5/8	15/16	2-29/32	2	0010158030	0040158030
3/32	1/4	3/16	2	2	0010142030	0040142030	23/32	5/8	1	2-31/32	2	0010158530	0040158530
7/64	1/4	1/4	2	2	0010142530	0040142530	3/4	5/8	1	3-1/32	2	0010159030	0040159030
1/8	1/4	9/32	2	2	0010143030	0040143030	25/32	5/8	1	3-1/32	2	0010159530	0040159530
9/64	1/4	3/8	2-1/16	2	0010143530	0040143530	13/16	1	1	3-7/8	2	0010160030	0040160030
5/32	1/4	3/8	2-1/16	2	0010144030	0040144030	27/32	1	1	3-15/16	2	0010160530	0040160530
11/64	1/4	3/8	2-1/16	2	0010144530	0040144530	7/8	1	1	3-15/16	2	0010161030	0040161030
3/16	1/4	3/8	2-1/16	2	0010145030	0040145030	29/32	1	1	4	2	0010161530	0040161530
13/64	1/4	7/16	2-3/16	2	0010145530	0040145530	15/16	1	1	4-1/16	2	0010162030	0040162030
7/32	1/4	7/16	2-3/16	2	0010146030	0040146030	1	1	1-1/16	3-3/4	2	0010162530	0040162530
15/64	1/4	7/16	2-7/32	2	0010146530	0040146530	1-1/16	1	1-1/8	3-11/16	2	0010163030	0040163030
1/4	1/4	7/16	2-7/32	2	0010147030	0040147030	1-1/8	1	1-3/16	3-3/4	2	0010163530	0040163530
17/64	3/8	7/16	2-11/32	2	0010147530	0040147530	1-3/16	1	1-3/16	3-11/16	2	0010164030	0040164030
9/32	3/8	7/16	2-5/16	2	0010148030	0040148030	1-1/4	1	1-1/2	4	2	0010164530	0040164530
19/64	3/8	1/2	2-5/16	2	0010148530	0040148530	1-5/16	1	1-1/2	4	2	0010165030	0040165030
5/16	3/8	1/2	2-11/32	2	0010149030	0040149030	1-3/8	1	1-9/16	4-1/16	2	0010165530	0040165530
21/64	3/8	9/16	2-11/32	2	0010149530	0040149530	1-7/16	1	1-9/16	4-1/16	2	0010166030	0040166030
11/32	3/8	9/16	2-3/8	2	0010150030	0040150030	1-1/2	1	1-11/16	4-3/16	2	0010166530	0040166530
23/64	3/8	9/16	2-3/8	2	0010150530	0040150530	1-5/8	1	1-7/8	4-7/16	2	0010167030	0040167030
3/8	3/8	9/16	2-3/8	2	0010151030	0040151030	1-3/4	1	2	4-9/16	2	0010167530	0040167530
25/64	3/8	5/8	2-3/8	2	0010151530	0040151530	1-7/8	1	2-1/8	4-11/16	2	0010168030	0040168030
13/32	3/8	5/8	2-3/8	2	0010152030	0040152030	2	1	2-1/4	4-13/16	2	0010168530	0040168530
27/64	1/2	11/16	2-9/16	2	0010152530	0040152530	1-1/4	1-1/4	1-3/8	4-5/8	2	0010169030	0040169030
7/16	1/2	11/16	2-9/16	2	0010153030	0040153030	1-5/16	1-1/4	1-3/8	4-11/16	2	0010169530	0040169530
29/64	1/2	11/16	2-9/16	2	0010153530	0040153530	1-3/8	1-1/4	1-9/16	4-3/8	2	0010170030	0040170030
15/32	1/2	11/16	2-9/16	2	0010154030	0040154030	1-7/16	1-1/4	1-9/16	4-3/8	2	0010170530	0040170530
31/64	1/2	3/4	2-5/8	2	0010154530	0040154530	1-1/2	1-1/4	1-11/16	4-1/2	2	0010171030	0040171030
1/2	1/2	3/4	2-5/8	2	0010155030	0040155030	1-5/8	1-1/4	1-7/8	4-5/8	2	0010171530	0040171530
17/32	1/2	7/8	2-11/16	2	0010155530	0040155530	1-3/4	1-1/4	1-7/8	4-11/16	2	0010172030	0040172030
9/16	1/2	27/32	2-23/32	2	0010156030	0040156030	1-7/8	1-1/4	2	4-11/16	2	0010172530	0040172530
19/32	5/8	7/8	2-27/32	2	0010156530	0040156530	2	1-1/4	2	4-5/8	2	0010173030	0040173030

英制二齿球头加长型/IMPERIAL TWO FLUTE BALL NOSE LONG LENGTH



类型及规格 Type & Specifications



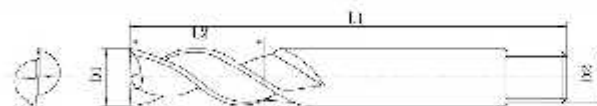
Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
3/64	1/4	3/16	2	2	0812209030	0842209030	1/2	1/2	1	3-3/4	2	0812217030	0842217030
3/32	1/4	1/4	2-1/8	2	0812210030	0840010030	9/16	1/2	1-1/8	4	2	0812218030	0842218030
1/8	1/4	7/16	2-1/2	2	0812211030	0842211030	5/8	5/8	1-1/4	4-1/4	2	0812219030	0842219030
3/16	1/4	1/2	2-3/4	2	0812212030	0842212030	11/16	5/8	1-3/8	4-1/2	2	0812220030	0842220030
1/4	1/4	5/8	3	2	0812213030	0842213030	3/4	5/8	1-1/2	4-3/4	2	0812221030	0842221030
5/16	3/8	3/4	3-1/8	2	0812214030	0842214030	7/8	1	1-5/8	5-1/2	2	0812222030	0842222030
3/8	3/8	7/8	3-1/4	2	0812215030	0842215030	1	1	1-3/4	6-1/4	2	0812223030	0842223030
7/16	1/2	7/8	3-1/2	2	0812216030	0842216030							

BS end mills

英制二齿加长型/IMPERIAL TWO FLUTE LONG LENGTH



类型及规格 Type & Specifications

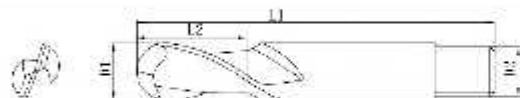


Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
3/64	1/4	3/16	2	2	0012230530	0042230530	23/32	5/8	1-1/2	4-3/4	2	0012242030	0042242030
1/16	1/4	3/16	2	2	0012231030	0042231030	3/4	5/8	1-1/2	4-3/4	2	0012242530	0042242530
5/64	1/4	3/16	2	2	0012231530	0042231530	25/32	5/8	1-1/2	4-3/4	2	0012243030	0042243030
3/32	1/4	1/4	2-1/8	2	0012232030	0042232030	13/16	1	1-1/2	5-1/2	2	0012243530	0042243530
1/8	1/4	7/16	2-1/2	2	0012232530	0042232530	7/8	1	1-5/8	5-1/2	2	0012244030	0042244030
5/32	1/4	1/2	2-3/4	2	0012233030	0042233030	15/16	1	1-5/8	6	2	0012244530	0042244530
3/16	1/4	1/2	2-3/4	2	0012233530	0042233530	1	1	1-3/4	6-1/4	2	0012245030	0042245030
7/32	1/4	5/8	3	2	0012234030	0042234030	1-1/16	1	1-3/4	6-1/4	2	0012245530	0042245530
1/4	1/4	5/8	3	2	0012234530	0042234530	1-1/8	1	1-7/8	6-1/4	2	0012246030	0042246030
9/32	3/8	5/8	3	2	0012235030	0042235030	1-3/16	1	2	6-1/4	2	0012246530	0042246530
5/16	3/8	3/4	3-1/8	2	0012235530	0042235530	1-1/4	1	2	6-1/4	2	0012247030	0042247030
11/32	3/8	7/8	3-1/4	2	0012236030	0042236030	1-3/8	1	2-1/8	6-1/4	2	0012247530	0042247530
3/8	3/8	7/8	3-1/4	2	0012236530	0042236530	1-7/16	1	2-1/8	6-1/4	2	0012248030	0042248030
13/32	3/8	7/8	3-1/2	2	0012237030	0042237030	1-1/2	1	2-1/4	6-1/4	2	0012248530	0042248530
7/16	1/2	7/8	3-1/2	2	0012237530	0042237530	1-5/8	1	2-1/2	6-1/4	2	0012249030	0042249030
15/32	1/2	1	3-3/4	2	0012238030	0042238030	1-3/4	1	2-1/2	6-1/4	2	0012249530	0042249530
1/2	1/2	1	3-3/4	2	0012238530	0042238530	2	1	2-1/2	6-1/4	2	0012250030	0042250030
17/32	1/2	1-1/8	4	2	0012239030	0042239030	1-1/4	1-1/4	2	6-1/4	2	0012250530	0042250530
9/16	1/2	1-1/8	4	2	0012239530	0042239530	1-3/8	1-1/4	2-1/8	6-1/4	2	0012251030	0042251030
19/32	5/8	1-1/4	4-1/4	2	0012240030	0042240030	1-1/2	1-1/4	2-1/4	6-1/4	2	0012251530	0042251530
5/8	5/8	1-1/4	4-1/4	2	0012240530	0042240530	1-3/4	1-1/4	2-1/2	6-1/4	2	0012252030	0042252030
21/32	5/8	1-3/8	4-1/2	2	0012241030	0042241030	2	1-1/4	2-1/2	6-1/4	2	0012252530	0042252530
11/16	5/8	1-3/8	4-1/2	2	0012241530	0042241530							

英制二齿球头标准型/IMPERIAL TWO FLUTE BALL NOSE STANDARD



类型及规格 Type & Specifications



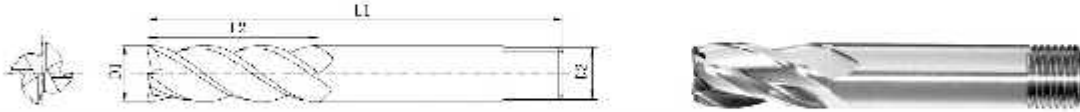
Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
3/64	1/4	3/32	1-18/32	2	0810105030	0840105030	13/32	3/8	5/8	2-3/8	2	0810117030	0840117030
1/16	1/4	3/32	1-18/32	2	0810106030	0840106030	7/16	1/2	11/16	2-9/16	2	0810118030	0840118030
3/32	1/4	3/16	2	2	0810107030	0840107030	1/2	1/2	3/4	2-5/8	2	0810119030	0840119030
1/8	1/4	9/32	2	2	0810108030	0840108030	9/16	1/2	27/32	2-23/32	2	0810120030	0840120030
5/32	1/4	3/8	2-1/16	2	0810109030	0840109030	5/8	5/8	7/8	2-27/32	2	0810121030	0840121030
3/16	1/4	3/8	2-1/16	2	0810110030	0840110030	11/16	5/8	15/16	2-29/32	2	0810122030	0840122030
7/32	1/4	7/16	2-3/16	2	0810111030	0840111030	3/4	5/8	1	3-1/32	2	0810123030	0840123030
1/4	1/4	7/16	2-7/32	2	0810112030	0840112030	13/16	1	1	3-7/8	2	0810124030	0840124030
9/32	3/8	7/16	2-5/16	2	0810113030	0840113030	7/8	1	1	3-15/16	2	0810125030	0840125030
5/16	3/8	1/2	2-11/32	2	0810114030	0840114030	15/16	1	1	4-1/16	2	0810126030	0840126030
11/32	3/8	9/16	2-3/8	2	0810115030	0840115030	1	1	1-1/16	3-3/4	2	0810127030	0840127030
3/8	3/8	9/16	2-3/8	2	0810116030	0840116030							

BS end mills

英制四齿标准型/IMPERIAL FOUR FLUTE STANDARD

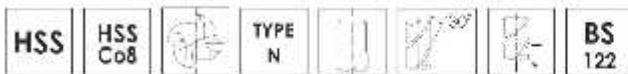


类型及规格 Type & Specifications

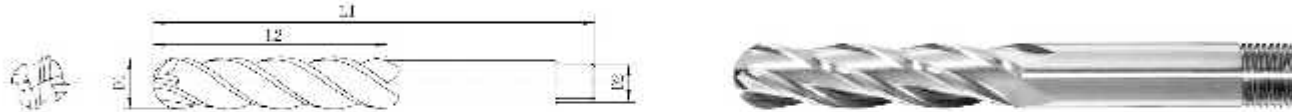


Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
3/64	1/4	3/32	1-29/32	4	0010530330	0040530330	13/16	1	1-1/2	3-3/4	4	0010542530	0040542530
1/16	1/4	3/32	1-15/16	4	0010530830	0040530830	7/8	1	1-5/8	3-7/8	4	0010543030	0040543030
3/32	1/4	1/4	2	4	0010531030	0040531030	15/16	1	1-5/8	3-7/8	4	0010543530	0040543530
1/8	1/4	3/8	2-1/8	4	0010531530	0040531530	1	1	1-11/16	4	4	0010544030	0040544030
5/32	1/4	1/2	2-1/4	4	0010532030	0040532030	1-1/16	1	1-11/16	4	4	0010544530	0040544530
3/16	1/4	1/2	2-1/4	4	0010532530	0040532530	1-1/8	1	1-13/16	4-1/8	4	0010545030	0040545030
7/32	1/4	5/8	2-3/8	4	0010533030	0040533030	1-3/16	1	1-13/16	4-1/8	4	0010545530	0040545530
1/4	1/4	5/8	2-3/8	4	0010533530	0040533530	1-1/4	1	1-15/16	4-1/4	4	0010546030	0040546030
5/32	3/8	19/32	2-3/8	4	0010534030	0040534030	1-5/16	1	1-15/16	4-1/4	4	0010546530	0040546530
5/16	3/8	23/32	2-1/2	4	0010534530	0040534530	1-3/8	1	2-1/16	4-3/8	4	0010547030	0040547030
11/32	3/8	27/32	2-5/8	4	0010535030	0040535030	1-7/16	1	2-1/16	4-3/8	4	0010547530	0040547530
3/8	3/8	27/32	2-5/8	4	0010535530	0040535530	1-1/2	1	2-3/16	4-1/2	4	0010548030	0040548030
13/32	3/8	7/8	2-5/8	4	0010536030	0040536030	1-5/8	1	2-3/8	4-5/8	4	0010548530	0040548530
7/16	1/2	3/4	2-5/8	4	0010536530	0040536530	1-3/4	1	2-1/2	4-3/4	4	0010549030	0040549030
15/32	1/2	7/8	2-3/4	4	0010537030	0040537030	1-7/8	1	2-5/8	4-7/8	4	0010549530	0040549530
1/2	1/2	15/16	2-3/4	4	0010537530	0040537530	2	1	2-3/4	5	4	0010550030	0040550030
17/32	1/2	1-1/8	2-7/8	4	0010538030	0040538030	1-1/4	1-1/4	2	4-7/16	4	0010550530	0040550530
9/16	1/2	1-1/8	2-7/8	4	0010538530	0040538530	1-5/16	1-1/4	2	4-7/16	4	0010551030	0040551030
19/32	5/8	1-1/16	3-1/32	4	0010539030	0040539030	1-3/8	1-1/4	2-1/8	4-9/16	4	0010551530	0040551530
5/8	5/8	1-1/16	3-1/32	4	0010539530	0040539530	1-7/16	1-1/4	2-1/8	4-9/16	4	0010552030	0040552030
21/32	5/8	1-1/4	3-5/32	4	0010540030	0040540030	1-1/2	1-1/4	2-1/8	4-9/16	4	0010552530	0040552530
11/16	5/8	1-3/8	3-5/32	4	0010540530	0040540530	1-5/8	1-1/4	2-1/8	4-9/16	4	0010553030	0040553030
23/32	5/8	1-1/2	3-9/32	4	0010541030	0040541030	1-3/4	1-1/4	2-1/4	4-11/16	4	0010553530	0040553530
3/4	5/8	1-1/2	3-9/32	4	0010541530	0040541530	1-7/8	1-1/4	2-7/16	4-7/8	4	0010554030	0040554030
25/32	5/8	1-1/2	3-9/32	4	0010542030	0040542030	2	1-1/4	2-9/16	5	4	0010554530	0040554530

英制四齿球头加长型/IMPERIAL FOUR FLUTE BALL NOSE LONG LENGTH



类型及规格 Type & Specifications



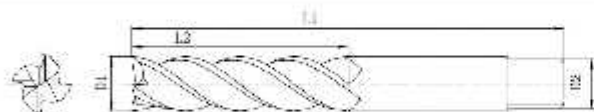
Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
3/64	1/4	3/16	2	4	0812670030	0842670030	1/2	1/2	1-15/16	3-3/4	4	0812678030	0842678030
3/32	1/4	1/2	2-1/2	4	0812671030	0842671030	9/16	1/2	2-1/4	4	4	0812679030	0842679030
1/8	1/4	3/4	2-1/2	4	0812672030	0842672030	5/8	5/8	2-5/16	4-9/32	4	0812680030	0842680030
3/16	1/4	1	2-3/4	4	0812673030	0842673030	11/16	5/8	2-3/4	4-17/32	4	0812681030	0842681030
1/4	1/4	1-1/4	3	4	0812674030	0842674030	3/4	5/8	3	4-25/32	4	0812682030	0842682030
5/16	3/8	1-11/32	3-1/8	4	0812675030	0842675030	7/8	1	3-3/8	5-5/8	4	0812683030	0842683030
3/8	3/8	1-15/32	3-1/4	4	0812676030	0842676030	1	1	3-15/16	6-3/16	4	0812684030	0842684030
7/16	1/2	1-5/8	3-1/2	4	0812677030	0842677030							

BS end mills

英制四齿加长型/IMPERIAL FOUR FLUTE LONG LENGTH



类型及规格 Type & Specifications

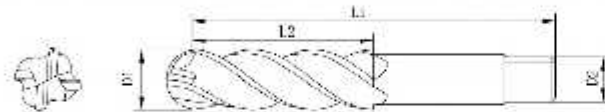


Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
3/64	1/4	3/16	2	4	0012640030	0042640030	7/8	1	3-3/8	5-5/8	4	0012660030	0042660030
3/32	1/4	1/2	2-1/2	4	0012640330	0042640330	15/16	1	3-5/8	5-7/8	4	0012661030	0042661030
1/8	1/4	3/4	2-1/2	4	0012640630	0042640630	1	1	3-15/16	6-3/16	4	0012662030	0042662030
5/32	1/4	1	2-3/4	4	0012641030	0042641030	1-1/16	1	3-7/8	6-3/16	4	0012663030	0042663030
3/16	1/4	1	2-3/4	4	0012642030	0042642030	1-1/8	1	3-7/8	6-3/16	4	0012664030	0042664030
7/32	1/4	1-1/4	3	4	0012643030	0042643030	1-3/16	1	3-7/8	6-3/16	4	0012665030	0042665030
1/4	1/4	1-1/4	3	4	0012644030	0042644030	1-1/4	1	3-15/16	6-1/4	4	0012666030	0042666030
9/32	3/8	1-11/32	3-1/8	4	0012645030	0042645030	1-5/16	1	3-15/16	6-1/4	4	0012667030	0042667030
5/16	3/8	1-11/32	3-1/8	4	0012646030	0042646030	1-3/8	1	3-15/16	6-1/4	4	0012668030	0042668030
11/32	3/8	1-15/32	3-1/4	4	0012647030	0042647030	1-7/16	1	3-15/16	6-1/4	4	0012669030	0042669030
3/8	3/8	1-15/32	3-1/4	4	0012648030	0042648030	1-1/2	1	3-15/16	6-1/4	4	0012670030	0042670030
13/32	3/8	1-1/2	3-1/4	4	0012649030	0042649030	1-5/8	1	4	6-1/4	4	0012671030	0042671030
7/16	1/2	1-5/8	3-1/2	4	0012650030	0042650030	1-3/4	1	4	6-1/4	4	0012672030	0042672030
15/32	1/2	1-7/8	3-3/4	4	0012651030	0042651030	2	1	4	6-1/4	4	0012673030	0042673030
1/2	1/2	1-15/16	3-3/4	4	0012652030	0042652030	1-1/4	1-1/4	4	6-7/16	4	0012674030	0042674030
17/32	1/2	2-1/4	4	4	0012653030	0042653030	1-5/16	1-1/4	4	6-7/16	4	0012675030	0042675030
9/16	1/2	2-1/4	4	4	0012654030	0042654030	1-3/8	1-1/4	4	6-7/16	4	0012676030	0042676030
19/32	5/8	2-5/16	4-9/32	4	0012655030	0042655030	1-7/16	1-1/4	4	6-7/16	4	0012677030	0042677030
5/8	5/8	2-5/16	4-9/32	4	0012656030	0042656030	1-1/2	1-1/4	4	6-7/16	4	0012678030	0042678030
11/16	5/8	2-3/4	4-17/32	4	0012657030	0042657030	1-5/8	1-1/4	4	6-7/16	4	0012679030	0042679030
3/4	5/8	3	4-25/32	4	0012658030	0042658030	1-3/4	1-1/4	4	6-7/16	4	0012680030	0042680030
13/16	1	3-1/16	5-3/8	4	0012659030	0042659030	2	1-1/4	4	6-7/16	4	0012681030	0042681030

英制四齿球头标准型/IMPERIAL FOUR FLUTE BALL NOSE STANDARD



类型及规格 Type & Specifications



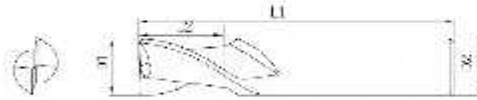
Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
3/64	1/4	3/32	1-29/32	4	0810430030	0840430030	1/2	1/2	15/16	2-3/4	4	0810445030	0840445030
1/16	1/4	3/32	1-15/16	4	0810431030	0840431030	17/32	1/2	1-1/8	2-7/8	4	0810446030	0840446030
3/32	1/4	1/4	2	4	0810432030	0840432030	9/16	1/2	1-1/8	2-7/8	4	0810447030	0840447030
1/8	1/4	3/8	2-1/8	4	0810433030	0840433030	19/32	5/8	1-1/16	3-1/32	4	0810448030	0840448030
5/32	1/4	1/2	2-1/4	4	0810434030	0840434030	5/8	5/8	1-1/16	3-1/32	4	0810449030	0840449030
3/16	1/4	1/2	2-1/4	4	0810435030	0840435030	21/32	5/8	1-1/4	3-5/32	4	0810450030	0840450030
7/32	1/4	5/8	2-3/8	4	0810436030	0840436030	11/16	5/8	1-3/8	3-5/32	4	0810451030	0840451030
1/4	1/4	5/8	2-3/8	4	0810437030	0840437030	23/32	5/8	1-1/2	3-9/32	4	0810452030	0840452030
9/32	3/8	19/32	2-3/8	4	0810438030	0840438030	3/4	5/8	1-1/2	3-9/32	4	0810453030	0840453030
5/16	3/8	23/32	2-1/2	4	0810439030	0840439030	25/32	5/8	1-1/2	3-9/32	4	0810454030	0840454030
11/32	3/8	27/32	2-5/8	4	0810440030	0840440030	13/16	1	1-1/2	3-3/4	4	0810455030	0840455030
3/8	3/8	27/32	2-5/8	4	0810441030	0840441030	7/8	1	1-5/8	3-7/8	4	0810456030	0840456030
13/32	3/8	7/8	2-5/8	4	0810442030	0840442030	15/16	1	1-5/8	3-7/8	4	0810457030	0840457030
7/16	1/2	3/4	2-5/8	4	0810443030	0840443030	1	1	1-11/16	4	4	0810458030	0840458030
15/32	1/2	7/8	2-3/4	4	0810444030	0840444030							

FOCT end mills

二齿直柄/TWO FLUTE STRAIGHT SHANK



类型及规格 Type & Specifications

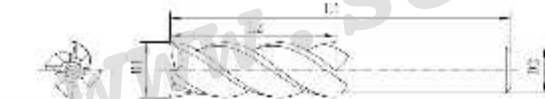


Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
2	2	4	30	2	0110131010	C140131010	10	10	13	63	2	0110137310	0140137310
3	3	5	37	2	0110131510	C140131510	10	10	18	60	2	0110137510	0140137510
3	3	5	32	2	0110132010	C140132010	12	12	16	73	2	0110138010	0140138010
4	4	7	39	2	0110132510	C140132510	12	12	22	65	2	0110138510	0140138510
4	4	7	38	2	0110133010	C140133010	14	14	16	73	2	0110139010	0140139010
5	5	8	42	2	0110133510	C140133510	16	16	19	79	2	0110139510	0140139510
5	5	8	40	2	0110134010	C140134010	16	16	28	75	2	0110140010	0140140010
6	6	8	52	2	0110134510	C140134510	18	18	19	79	2	0110140510	0140140510
6	6	10	45	2	0110135010	C140135010	18	18	32	80	2	0110141010	0140141010
7	7	10	54	2	0110135510	C140135510	20	20	22	88	2	0110141510	0140141510
8	8	11	55	2	0110136010	C140136010	20	20	38	85	2	0110142010	0140142010
8	8	14	50	2	0110136510	C140136510	22	20	22	88	2	0110142510	0140142510

多齿直柄/MULTIPLE FLUTE STRAIGHT SHANK



类型及规格 Type & Specifications



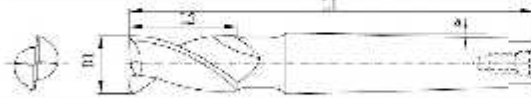
Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
4	4	11	43	3	0110351010	0140351010	14	12	26	83	5	0110523410	0140523410
4	4	11	43	4	0110352010	0140352010	14	12	53	110	3	0110523810	0140523810
4	4	19	51	4	0110354010	0140354010	16	16	32	92	3	0110524810	0140524810
5	5	13	47	3	0110355010	0140355010	16	16	32	92	4	0110525010	0140525010
5	5	13	47	4	0110358010	0140358010	16	16	32	92	5	0110525410	0140525410
5	5	24	58	3	0110357010	0140357010	16	16	63	123	3	0110526210	0140526210
5	5	24	58	4	0110358010	0140358010	16	16	63	123	4	0110526810	0140526810
6	6	13	57	3	0110359010	0140359010	16	16	63	123	6	0110527010	0140527010
6	6	13	57	4	0110360010	0140360010	18	16	32	92	3	0110527410	0140527410
6	6	24	68	3	0110361010	0140361010	18	16	32	92	4	0110527810	0140527810
6	6	24	68	4	0110362010	0140362010	18	16	63	123	3	0110528810	0140528810
7	8	16	60	3	0110363010	0140363010	18	16	63	123	4	0110529010	0140529010
7	8	16	60	4	0110364010	0140364010	20	20	38	104	3	0110529410	0140529410
8	8	19	63	3	0110365010	0140365010	20	20	38	104	4	0110529810	0140529810
8	8	19	63	4	0110368010	0140368010	20	20	38	104	6	0110530210	0140530210
8	8	38	82	3	0110367010	0140367010	20	20	75	141	3	0110711010	0140711010
8	8	38	82	4	0110368010	0140368010	20	20	75	141	4	0110716010	0140716010
9	10	19	69	4	0110369010	0140369010	20	20	75	141	6	0110721010	0140721010
10	10	22	72	3	0110370010	0140370010	22	20	38	104	3	0110726010	0140726010
10	10	22	72	4	0110371010	0140371010	22	20	38	104	4	0110731010	0140731010
10	10	45	95	3	0110373010	0140373010	22	20	75	141	3	0110911010	0140911010
10	10	45	95	4	0110374010	0140374010	22	20	75	141	4	0110914010	0140914010
12	12	26	83	3	0110521010	0140521010	25	25	45	121	3	0110920010	0140920010
12	12	26	83	5	0110521410	0140521410	25	25	45	121	4	0110923010	0140923010
12	12	53	110	3	0110521810	0140521810	25	25	45	121	6	0110926010	0140926010
12	12	53	110	4	0110522210	0140522210	25	25	90	166	3	0110929010	0140929010
14	12	26	83	3	0110522610	0140522610	25	25	90	166	4	0110932010	0140932010
14	12	26	83	4	0110523010	0140523010	25	25	90	166	6	0110935010	0140935010

GOCT end mills

二齿锥柄/TWO FLUTE TAPER SHANK



Type & Specifications 类型及规格



Size	Shank Dia.	Length of Cut	Morse Taper	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Morse Taper	Flute No.	Order No. HSS	Order No. HSS-Co8
10	12	82	1	2	0110142240	0140142240	28	26	128	3	3	0110146140	0140146140
12	16	86	1	2	0110142540	0140142540	28	45	150	3	3	0110146440	0140146440
14	16	88	2	2	0110142840	0140142840	30	32	134	3	3	0110146540	0140146540
16	19	104	2	2	0110143140	0140143140	30	50	155	3	3	0110146640	0140146640
16	25	115	2	2	0110143440	0140143440	32	32	134	3	3	0110146740	0140146740
18	19	104	2	2	0110143740	0140143740	32	50	155	3	3	0110147040	0140147040
18	32	120	2	2	0110144040	0140144040	36	32	134	4	4	0110147340	0140147340
20	22	107	2	2	0110144340	0140144340	36	55	185	4	4	0110147640	0140147640
20	36	125	2	2	0110144640	0140144640	40	38	163	4	4	0110147940	0140147940
22	22	107	2	2	0110144940	0140144940	40	60	190	4	4	0110148240	0140148240
22	36	125	2	2	0110145240	0140145240	42	60	190	4	4	0110148440	0140148440
25	26	128	3	2	0110145540	0140145540	45	65	195	4	4	0110148540	0140148540
25	40	145	3	2	0110145840	0140145840	50	65	195	4	4	0110148840	0140148840

多齿锥柄/MULTIPLE FLUTE TAPER SHANK



Type & Specifications 类型及规格



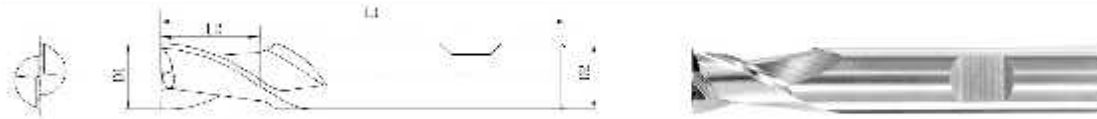
Size	Shank Dia.	Length of Cut	Morse Taper	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Morse Taper	Flute No.	Order No. HSS	Order No. HSS-Co8
10	22	92	1	4	0110381040	0140381040	28	45	147	3	5	0110741010	0140741010
12	26	96	1	4	0110382040	0140382040	28	45	147	3	6	0110746010	0140746010
14	26	111	2	3	0110383040	0140383040	28	90	192	3	6	0110751010	0140751010
14	26	96	1	4	0110384040	0140384040	30	53	155	3	4	0110756010	0140756010
14	26	111	2	4	0110385040	0140385040	30	53	155	3	5	0110761010	0140761010
14	26	111	2	5	0110386040	0140386040	32	53	155	3	4	0110766010	0140766010
14	53	138	2	5	0110387040	0140387040	32	53	155	3	6	0110771010	0140771010
16	32	117	2	3	0110388040	0140388040	32	53	155	4	6	0110776010	0140776010
16	32	117	2	4	0110389040	0140389040	36	106	208	3	4	0110781010	0140781010
16	32	117	2	5	0110531040	0140531040	36	53	155	3	4	0110941010	0140941010
18	32	117	2	3	0110531440	0140531440	36	53	155	3	6	0110944010	0140944010
18	32	117	2	4	0110531840	0140531840	36	53	155	4	6	0110947010	0140947010
18	32	117	2	5	0110532240	0140532240	40	63	188	4	6	0110950010	0140950010
20	38	123	2	3	0110532640	0140532640	40	125	250	4	6	0110953010	0140953010
20	38	140	3	3	0110533040	0140533040	40	63	188	4	8	0110956010	0140956010
20	38	140	3	4	0110533440	0140533440	42	63	188	4	6	0110956610	0140956610
20	38	123	2	5	0110533840	0140533840	42	125	250	4	6	0110957210	0140957210
22	75	177	3	3	0110534240	0140534240	42	63	188	4	8	0110958110	0140958110
22	38	140	3	4	0110534640	0140534640	45	63	188	4	4	0110959010	0140959010
22	75	177	3	4	0110535040	0140535040	45	125	250	4	4	0110962010	0140962010
22	38	140	3	5	0110535440	0140535440	45	63	188	4	6	0110965010	0140965010
25	45	147	3	3	0110535840	0140535840	45	125	250	4	6	0110968010	0140968010
25	90	192	3	3	0110536240	0140536240	45	63	188	4	8	0110971010	0140971010
25	90	192	3	4	0110536640	0140536640	50	140	300	5	4	0110974010	0140974010
25	45	147	3	5	0110537040	0140537040	50	75	200	4	6	0110977010	0140977010
28	45	147	3	3	0110537440	0140537440	50	110	270	5	6	0111141010	0141141010
28	45	147	3	4	0110537840	0140537840	50	140	300	5	6	0111151010	0141151010
28	90	192	3	4	0110538240	0140538240							

ANSI end mills

单二标准型/TWO FLUTE SINGLE END STANDARD



类型及规格 Type & Specifications

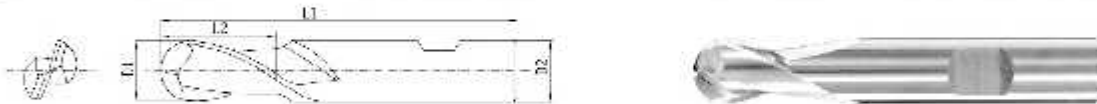


Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1/8	3/8	3/8	2-5/16	2	0010101010	0040101010	7/8	7/8	1-1/2	3-3/4	2	0010120010	0040120010
5/32	3/8	7/16	2-5/16	2	0010102010	0040102010	15/16	1/2	1-1/2	3-1/2	2	0010120510	0040120510
3/16	3/8	7/16	2-5/16	2	0010103010	0040103010	15/16	5/8	1-1/2	3-5/8	2	0010121010	0040121010
7/32	3/8	1/2	2-5/16	2	0010104010	0040104010	15/16	3/4	1-1/2	3-3/4	2	0010121510	0040121510
1/4	3/8	1/2	2-5/16	2	0010105010	0040105010	21/32	1/2	1-1/2	3-1/2	2	0010122010	0040122010
9/32	3/8	9/16	2-5/16	2	0010106010	0040106010	1	1/2	1-1/2	3-1/2	2	0010122510	0040122510
5/16	3/8	9/16	2-5/16	2	0010107010	0040107010	1	5/8	1-1/2	3-5/8	2	0010123010	0040123010
11/32	3/8	9/16	2-5/16	2	0010108010	0040108010	1	3/4	1-1/2	3-3/4	2	0010123510	0040123510
3/8	3/8	9/16	2-5/16	2	0010108510	0040108510	1	7/8	1-1/2	3-3/4	2	0010124010	0040124010
13/32	3/8	13/16	2-1/2	2	0010109010	0040109010	1	1	1-5/8	4-1/8	2	0010124510	0040124510
7/16	3/8	13/16	2-1/2	2	0010109510	0040109510	1-1/16	3/4	1-5/8	3-7/8	2	0010125010	0040125010
15/32	3/8	13/16	2-1/2	2	0010110010	0040110010	1-1/8	3/4	1-5/8	3-7/8	2	0010125510	0040125510
1/2	3/8	13/16	2-1/2	2	0010110510	0040110510	1-1/8	1	1-5/8	4-1/8	2	0010126010	0040126010
1/2	1/2	1	3	2	0010111010	0040111010	1-3/16	3/4	1-5/8	3-7/8	2	0010126510	0040126510
17/32	1/2	1-1/8	3-1/8	2	0010111510	0040111510	1-1/4	3/4	1-5/8	3-7/8	2	0010127010	0040127010
9/16	1/2	1-1/8	3-1/8	2	0010112010	0040112010	1-1/4	1	1-5/8	4-1/8	2	0010127510	0040127510
19/32	1/2	1-1/8	3-1/8	2	0010112510	0040112510	1-1/4	1-1/4	1-5/8	4-1/8	2	0010128010	0040128010
5/8	1/2	1-1/8	3-1/8	2	0010113010	0040113010	1-5/16	3/4	1-5/8	3-7/8	2	0010128510	0040128510
5/8	5/8	1-5/16	3-7/16	2	0010113510	0040113510	1-3/8	3/4	1-5/8	3-7/8	2	0010129010	0040129010
11/16	1/2	1-5/16	3-5/16	2	0010114010	0040114010	1-3/8	1	1-5/8	4-1/8	2	0010129510	0040129510
11/16	5/8	1-5/16	3-7/16	2	0010114510	0040114510	1-7/16	3/4	1-5/8	3-7/8	2	0010130010	0040130010
3/4	1/2	1-5/16	3-5/16	2	0010115010	0040115010	1-1/2	3/4	1-5/8	3-7/8	2	0010130510	0040130510
3/4	5/8	1-5/16	3-7/16	2	0010115510	0040115510	1-1/2	1	1-5/8	4-1/8	2	0010131010	0040131010
3/4	3/4	1-5/16	3-9/16	2	0010116010	0040116010	1-1/2	1-1/4	1-5/8	4-1/8	2	0010131510	0040131510
3/4	3/4	1-3/4	4	2	0010116510	0040116510	1-5/8	3/4	1-5/8	3-7/8	2	0010132010	0040132010
13/16	1/2	1-1/2	3-1/2	2	0010117010	0040117010	1-5/8	1-1/4	1-5/8	4-1/8	2	0010132510	0040132510
13/16	5/8	1-1/2	3-5/8	2	0010117510	0040117510	1-3/4	3/4	1-5/8	3-7/8	2	0010133010	0040133010
13/16	2/1	1-1/2	3-3/4	2	0010118010	0040118010	1-3/4	1-1/4	1-5/8	4-1/8	2	0010133510	0040133510
7/8	1/2	1-1/2	3-1/2	2	0010118510	0040118510	1-7/8	3/4	1-5/8	3-7/8	2	0010134010	0040134010
7/8	5/8	1-1/2	3-5/8	2	0010119010	0040119010	2	3/4	1-5/8	3-7/8	2	0010134510	0040134510
7/8	3/4	1-1/2	3-3/4	2	0010119510	0040119510	2	1-1/4	1-5/8	4-1/8	2	0010135010	0040135010

二齿球头标准型/TWO FLUTE BALL NOSE STANDARD



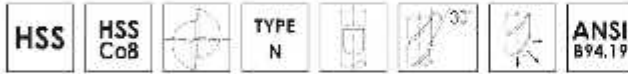
类型及规格 Type & Specifications



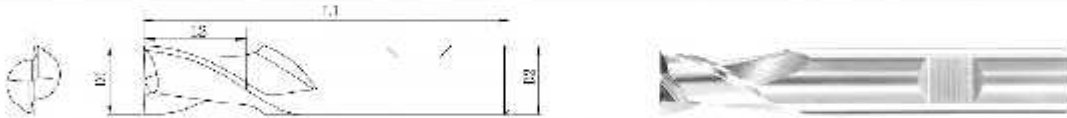
Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1/8	3/8	3/8	2-5/16	2	0810201010	0840201010	9/16	1/2	1-1/8	3-1/8	2	0810208010	0840208010
3/16	3/8	7/16	2-5/16	2	0810202010	0840202010	5/8	5/8	1-5/16	3-7/16	2	0810209010	0840209010
1/4	3/8	1/2	2-5/16	2	0810203010	0840203010	3/4	3/4	1-3/4	4	2	0810210010	0840210010
5/16	3/8	9/16	2-5/16	2	0810204010	0840204010	7/8	7/8	1-1/2	3-3/4	2	0810211010	0840211010
3/8	3/8	9/16	2-5/16	2	0810205010	0840205010	1	1	1-5/8	4-1/8	2	0810212010	0840212010
7/16	3/8	13/16	2-1/2	2	0810206010	0840206010	1-1/4	1-1/4	1-5/8	4-1/8	2	0810213010	0840213010
1/2	1/2	1	3	2	0810207010	0840207010	1-1/2	1-1/4	1-5/8	4-1/8	2	0810214010	0840214010

ANSI end mills

单二标准型/TWO FLUTE SINGLE END STANDARD



类型及规格 Type & Specifications



Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
2mm	3/8	3/8	2-5/16	2	0010181010	0040181010	14mm	1/2	1-1/8	3-1/8	2	0010188010	0040188010
3mm	3/8	3/8	2-5/16	2	0010181510	0040181510	15mm	1/2	1-1/8	3-1/8	2	0010188510	0040188510
4mm	3/8	7/16	2-5/16	2	0010182010	0040182010	16mm	5/8	1-5/16	3-7/16	2	0010189010	0040189010
4.5mm	3/8	1/2	2-5/16	2	0010182510	0040182510	18mm	1/2	1-5/16	3-5/16	2	0010189510	0040189510
5mm	3/8	1/2	2-5/16	2	0010183010	0040183010	18mm	5/8	1-5/16	3-7/16	2	0010190010	0040190010
6mm	3/8	1/2	2-5/16	2	0010183510	0040183510	20mm	5/8	1-1/2	3-3/4	2	0010190510	0040190510
7mm	3/8	9/16	2-5/16	2	0010184010	0040184010	20mm	3/4	1-1/2	3-3/4	2	0010191010	0040191010
8mm	3/8	9/16	2-5/16	2	0010184510	0040184510	22mm	3/4	1-1/2	3-3/4	2	0010191510	0040191510
9mm	3/8	9/16	2-5/16	2	0010185010	0040185010	22mm	7/8	1-1/2	3-3/4	2	0010192010	0040192010
9mm	3/8	13/16	2-1/2	2	0010185510	0040185510	24mm	1/2	1-1/2	3-3/4	2	0010192510	0040192510
10mm	3/8	13/16	2-1/2	2	0010186010	0040186010	24mm	3/4	1-1/2	3-3/4	2	0010193010	0040193010
11mm	3/8	13/16	2-1/2	2	0010186510	0040186510	24mm	3/4	2	4-1/2	2	0010193510	0040193510
12mm	3/8	13/16	2-1/2	2	0010187010	0040187010	25mm	3/4	1-5/8	4-1/8	2	0010194010	0040194010
13mm	1/2	1-1/8	3-1/8	2	0010187510	0040187510	25mm	1	1-5/8	4-1/8	2	0010194510	0040194510

单二加长型/TWO FLUTE SINGLE END LONG LENGTH



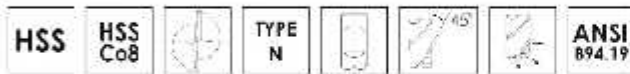
类型及规格 Type & Specifications



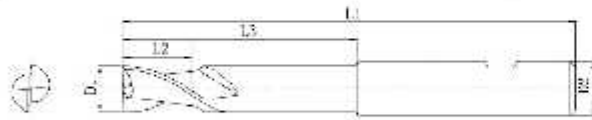
Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
3/16	3/8	3/4	2-5/8	2	0012201010	0042201010	1	1	4	6-1/2	2	0012213510	0042213510
7/32	3/8	1-1/4	3-1/8	2	0012201510	0042201510	1-1/8	1	2-1/4	4-3/4	2	0012214010	0042214010
1/4	3/8	1	3-1/16	2	0012202010	0042202010	1-1/8	1	3	5-1/2	2	0012214510	0042214510
1/4	3/8	1-1/4	3-1/8	2	0012202510	0042202510	1-1/4	1	2-1/4	4-3/4	2	0012215010	0042215010
9/32	3/8	1-3/8	3-1/8	2	0012203010	0042203010	1-1/4	1-1/4	2-1/4	5-1/2	2	0012215510	0042215510
5/16	3/8	1-1/2	3-1/4	2	0012203510	0042203510	1-1/4	1-1/4	3	5-1/2	2	0012216010	0042216010
11/32	3/8	1-1/2	3-1/4	2	0012204010	0042204010	1-1/4	1-1/4	4-3/4	7-1/4	2	0012216510	0042216510
3/8	3/8	1	2-3/4	2	0012204510	0042204510	1-3/8	1	2-1/4	4-3/4	2	0012217010	0042217010
3/8	3/8	1-1/2	3-1/4	2	0012205010	0042205010	1-3/8	1	3	5-1/2	2	0012217510	0042217510
7/16	1/2	1-3/4	3-3/4	2	0012205510	0042205510	1-1/2	1-1/4	2-1/4	4-3/4	2	0012218010	0042218010
1/2	1/2	1-1/2	3-1/2	2	0012206010	0042206010	1-1/2	1-1/4	3	5-1/2	2	0012218510	0042218510
1/2	1/2	2	4	2	0012206510	0042206510	1-1/2	1-1/4	4	6-1/2	2	0012219010	0042219010
5/8	5/8	2	4-1/8	2	0012207010	0042207010	1-1/2	1-1/4	6	8-1/2	2	0012219510	0042219510
5/8	5/8	2-1/2	4-5/8	2	0012207510	0042207510	1-5/8	1-1/4	2-1/4	4-3/4	2	0012220010	0042220010
5/8	5/8	3	5-1/8	2	0012208010	0042208010	1-5/8	1-1/4	3	5-1/2	2	0012220510	0042220510
3/4	3/4	2-1/4	4-1/2	2	0012208510	0042208510	1-3/4	1-1/4	2-1/4	4-3/4	2	0012221010	0042221010
3/4	3/4	2-1/2	4-3/4	2	0012209010	0042209010	1-3/4	1-1/4	3	5-1/2	2	0012221510	0042221510
3/4	3/4	3	5-1/4	2	0012209510	0042209510	1-7/8	1-1/4	2-1/4	4-3/4	2	0012222010	0042222010
3/4	3/4	3-1/2	5-3/4	2	0012210010	0042210010	1-7/8	1-1/4	3	5-1/2	2	0012222510	0042222510
7/8	7/8	2-1/2	4-3/4	2	0012210510	0042210510	2	1-1/4	2-1/4	4-3/4	2	0012223010	0042223010
7/8	7/8	3-1/2	5-3/4	2	0012211010	0042211010	2	1-1/4	3	5-1/2	2	0012223510	0042223510
1	1	2	4-1/2	2	0012211510	0042211510	2	1-1/4	4	6-1/2	2	0012224010	0042224010
1	1	2-1/2	4-3/4	2	0012212010	0042212010	2	2	2-1/2	5	2	0012224510	0042224510
1	1	2-1/2	5	2	0012212510	0042212510	2	2	3	5-1/2	2	0012225010	0042225010
1	1	3	5-1/2	2	0012213010	0042213010							

ANSI end mills

单二加长柄型/TWO FLUTE SINGLE END EXTENDED SHANK



类型及规格 Type & Specifications

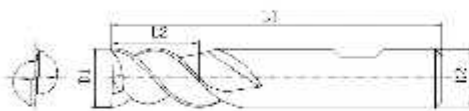


Size	Shank Dia.	L3	Length of Cut	Overall Length	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	L3	Length of Cut	Overall Length	Order No. HSS	Order No. HSS-Co8
1/8	3/8	13/16	3/8	2-3/8	0012011010	0042011010	1/2	1/2	2-1/4	1-7/8	4	0012021010	0042021010
3/16	3/8	1-1/8	1/2	2-11/16	0012012010	0042012010	5/8	1/2	2-3/4	1-3/8	4-5/8	0012022010	0042022010
3/16	3/8	1-1/2	5/8	3-1/16	0012013010	0042013010	5/8	5/8	2-3/4	1-3/8	4-5/8	0012023010	0042023010
1/4	3/8	1	5/8	3-1/16	0012014010	0042014010	5/8	5/8	2-3/4	2	4-5/8	0012024010	0042024010
1/4	3/8	1-1/2	5/8	3-1/16	0012015010	0042015010	3/4	1/2	3-3/8	1-5/8	5-3/8	0012025010	0042025010
5/16	3/8	1-1/2	3/4	3-1/4	0012016010	0042016010	3/4	3/4	3-3/8	1-5/8	5-3/8	0012026010	0042026010
5/16	3/8	1-3/4	3/4	3-5/16	0012017010	0042017010	7/8	7/8	4	2	6	0012027010	0042027010
3/8	3/8	1-3/4	3/4	3-5/16	0012018010	0042018010	1	1	5	2-1/2	7-1/4	0012028010	0042028010
3/8	3/8	1-3/4	7/8	3-5/16	0012019010	0042019010	1-1/4	1-1/4	5	2-1/2	7-1/4	0012029010	0042029010
1/2	1/2	2-1/4	1	4	0012020010	0042020010							

二齿标准型铝加工用/TWO FLUTE STANDARD FOR ALUMINUM



类型及规格 Type & Specifications



Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1/4	3/8	5/8	2-1/2	2	0016011010	0046011010	5/8	5/8	1-5/8	3-3/4	2	0016018010	0046018010
1/4	3/8	5/8	2-7/16	2	0016012010	0046012010	3/4	3/4	1-5/8	3-7/8	2	0016019010	0046019010
5/16	3/8	3/4	2-1/2	2	0016013010	0046013010	7/8	7/8	1-7/8	4-1/8	2	0016020010	0046020010
5/16	3/8	1-1/2	3-1/4	2	0016014010	0046014010	1	1	2	4-1/2	2	0016021010	0046021010
3/8	3/8	3/4	2-1/2	2	0016015010	0046015010	1-1/4	1-1/4	2	4-1/2	2	0016022010	0046022010
7/16	3/8	1	2-11/16	2	0016016010	0046016010	1-1/2	1-1/4	2	4-1/2	2	0016023010	0046023010
1/2	1/2	1-1/4	3-1/4	2	0016017010	0046017010	2	1-1/4	2	4-1/2	2	0016024010	0046024010

ANSI end mills

双头二齿/TWO FLUTE DOUBLE END



类型及规格 Type & Specifications



Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1/8	3/8	3/8	3-1/16	2	0015014010	0045014010	13/32	1/2	13/16	3-3/4	2	0015029010	0045029010
9/64	3/8	7/16	3-1/8	2	0015015010	0045015010	7/16	1/2	13/16	3-3/4	2	0015030010	0045030010
5/32	3/8	7/16	3-1/8	2	0015016010	0045016010	15/32	1/2	13/16	3-3/4	2	0015031010	0045031010
11/64	3/8	7/16	3-1/8	2	0015017010	0045017010	1/2	1/2	13/16	3-3/4	2	0015032010	0045032010
3/16	3/8	7/16	3-1/8	2	0015018010	0045018010	17/32	5/8	1-1/8	4-1/2	2	0015033010	0045033010
13/64	3/8	1/2	3-1/8	2	0015019010	0045019010	9/16	5/8	1-1/8	4-1/2	2	0015034010	0045034010
7/32	3/8	1/2	3-1/8	2	0015020010	0045020010	19/32	5/8	1-1/8	4-1/2	2	0015035010	0045035010
15/64	3/8	1/2	3-1/8	2	0015021010	0045021010	5/8	5/8	1-1/8	4-1/2	2	0015036010	0045036010
1/4	3/8	1/2	3-1/8	2	0015022010	0045022010	11/16	3/4	1-5/16	5	2	0015037010	0045037010
17/64	3/8	9/16	3-1/8	2	0015023010	0045023010	23/32	3/4	1-5/16	5	2	0015038010	0045038010
9/32	3/8	9/16	3-1/8	2	0015024010	0045024010	3/4	3/4	1-5/16	5	2	0015039010	0045039010
19/64	3/8	9/16	3-1/8	2	0015025010	0045025010	13/16	7/8	1-9/16	5-1/2	2	0015040010	0045040010
5/16	3/8	9/16	3-1/8	2	0015026010	0045026010	7/8	7/8	1-9/16	5-1/2	2	0015041010	0045041010
11/32	3/8	9/16	3-1/8	2	0015027010	0045027010	15/16	1	1-5/8	5-7/8	2	0015042010	0045042010
3/8	3/8	9/16	3-1/8	2	0015028010	0045028010	1	1	1-5/8	5-7/8	2	0015043010	0045043010

二齿加长型铝加工用/TWO FLUTE LONG LENGTH FOR ALUMINUM



类型及规格 Type & Specifications



Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1/4	3/8	1-1/4	3-1/8	2	0016101010	0046101010	3/4	3/4	3-1/2	5-3/4	2	0016107010	0046107010
5/16	3/8	1-1/2	3-1/4	2	0016102010	0046102010	1	1	4	6-1/2	2	0016108010	0046108010
3/8	3/8	1-1/2	3-1/4	2	0016103010	0046103010	1-1/4	1-1/4	4-3/4	7-1/4	2	0016109010	0046109010
7/16	1/2	1-3/4	3-3/4	2	0016104010	0046104010	1-1/2	1-1/4	6	8-1/2	2	0016110010	0046110010
1/2	1/2	2	4	2	0016105010	0046105010	2	2	3	5-1/2	2	0016111010	0046111010
5/8	5/8	3	5-1/8	2	0016106010	0046106010							

ANSI end mills

多齿标准型/MULTIPLE FLUTE SINGLE END STANDARD



类型及规格 Type & Specifications



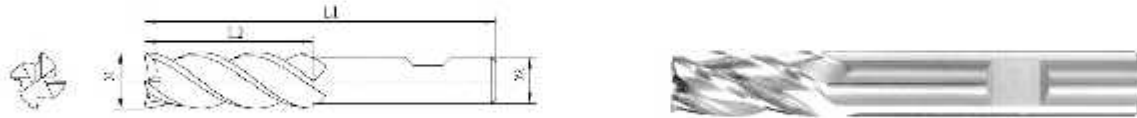
Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1/8	3/8	3/8	2-5/16	4	0010501010	0040501010	1	5/8	1-5/8	3-3/4	4	0010521010	0040521010
9/64	3/8	3/8	2-5/16	4	0010501510	0040501510	1	3/4	1-7/8	4-1/8	4	0010521510	0040521510
5/32	3/8	7/16	2-3/8	4	0010502010	0040502010	1	7/8	1-7/8	4-1/8	4	0010522010	0040522010
11/64	3/8	7/16	2-3/8	4	0010502510	0040502510	1	1	2	4-1/2	4	0010522510	0040522510
3/16	3/8	1/2	2-3/8	4	0010503010	0040503010	1-1/4	3/4	2	4-1/2	4	0010523010	0040523010
7/32	3/8	9/16	2-7/16	4	0010503510	0040503510	1-1/4	1-1/4	2	4-1/2	4	0010523510	0040523510
15/64	3/8	9/16	2-7/16	4	0010504010	0040504010	1-3/8	1	2	4-1/2	4	0010524010	0040524010
1/4	3/8	5/8	2-7/16	4	0010504510	0040504510	1-1/2	3/4	2	4-1/2	4	0010524510	0040524510
17/64	3/8	5/8	2-7/16	4	0010505010	0040505010	1-1/2	1-1/4	2	4-1/2	4	0010525010	0040525010
9/32	3/8	11/16	2-1/2	4	0010505510	0040505510	1-5/8	1-1/4	2	4-1/2	4	0010525510	0040525510
19/64	3/8	11/16	2-1/2	4	0010506010	0040506010	1-3/4	1-1/4	2	4-1/2	4	0010526010	0040526010
5/16	3/8	3/4	2-1/2	4	0010506510	0040506510	2	1-1/4	2	4-1/2	4	0010526510	0040526510
21/64	3/8	3/4	2-1/2	4	0010507010	0040507010	3/4	3/4	1-5/8	3-7/8	6	0010931010	0040931010
11/32	3/8	3/4	2-1/2	4	0010507510	0040507510	13/16	5/8	1-7/8	4	6	0010932010	0040932010
23/64	3/8	3/4	2-1/2	4	0010508010	0040508010	7/8	1/2	1-5/8	3-5/8	6	0010933010	0040933010
3/8	3/8	3/4	2-1/2	4	0010508510	0040508510	7/8	5/8	1-7/8	4	6	0010934010	0040934010
13/32	3/8	1	2-11/16	4	0010509010	0040509010	15/16	7/8	1-7/8	4-1/8	6	0010935010	0040935010
7/16	3/8	1	2-11/16	4	0010509510	0040509510	1	1/2	1-7/8	4	6	0010936010	0040936010
15/32	3/8	1	2-11/16	4	0010510010	0040510010	1	5/8	1-7/8	4	6	0010937010	0040937010
1/2	3/8	1	2-11/16	4	0010510510	0040510510	1	1	2	4-1/2	6	0010938010	0040938010
1/2	1/2	1-1/4	3-1/4	4	0010511010	0040511010	1-1/16	3/4	2	4-1/4	6	0010939010	0040939010
17/32	1/2	1-3/8	3-3/8	4	0010511510	0040511510	1-1/8	3/4	2	4-1/4	6	0010940010	0040940010
9/16	1/2	1-3/8	3-3/8	4	0010512010	0040512010	1-1/8	1	2	4-1/4	6	0010941010	0040941010
19/32	1/2	1-3/8	3-3/8	4	0010512510	0040512510	1-3/16	3/4	2	4-1/4	6	0010942010	0040942010
5/8	1/2	1-3/8	3-3/8	4	0010513010	0040513010	1-1/4	3/4	2	4-1/2	6	0010943010	0040943010
5/8	5/8	1-5/8	3-3/4	4	0010513510	0040513510	1-1/4	1-1/4	2	4-1/2	6	0010944010	0040944010
11/16	1/2	1-3/8	3-3/8	4	0010514010	0040514010	1-5/16	3/4	2	4-1/2	6	0010945010	0040945010
11/16	5/8	1-5/8	3-3/4	4	0010514510	0040514510	1-3/8	1	2	4-1/2	6	0010946010	0040946010
3/4	1/2	1-5/8	3-5/8	4	0010515010	0040515010	1-7/16	3/4	2	4-1/2	6	0010947010	0040947010
3/4	5/8	1-5/8	3-3/4	4	0010515510	0040515510	1-1/2	3/4	2	4-1/2	6	0010948010	0040948010
3/4	3/4	1-5/8	3-7/8	4	0010516010	0040516010	1-1/2	1	2	4-1/2	6	0010949010	0040949010
13/16	5/8	1-5/8	3-3/4	4	0010516510	0040516510	1-1/2	1-1/4	2	4-1/2	6	0010950010	0040950010
13/16	3/4	1-7/8	4-1/8	4	0010517010	0040517010	1-5/8	3/4	2	4-1/2	6	0010951010	0040951010
7/8	1/2	1-5/8	3-5/8	4	0010517510	0040517510	1-5/8	1-1/4	2	4-1/2	6	0010952010	0040952010
7/8	5/8	1-7/8	4-1/8	4	0010518010	0040518010	1-3/4	3/4	2	4-1/2	6	0010953010	0040953010
7/8	3/4	1-7/8	4-1/8	4	0010518510	0040518510	1-3/4	1-1/4	2	4-1/2	6	0010954010	0040954010
7/8	7/8	1-7/8	4-1/8	4	0010519010	0040519010	1-7/8	3/4	2	4-1/2	6	0010955010	0040955010
15/16	5/8	1-7/8	4-1/8	4	0010519510	0040519510	2	3/4	2	4-1/2	6	0010956010	0040956010
15/16	3/4	1-7/8	4-1/8	4	0010520010	0040520010	2	1-1/4	2	4-1/2	6	0010957010	0040957010
1	1/2	1-5/8	3-5/8	4	0010520510	0040520510							

ANSI end mills

四齿标准型/FOUR FLUTE SINGLE END STANDARD



类型及规格 Type & Specifications

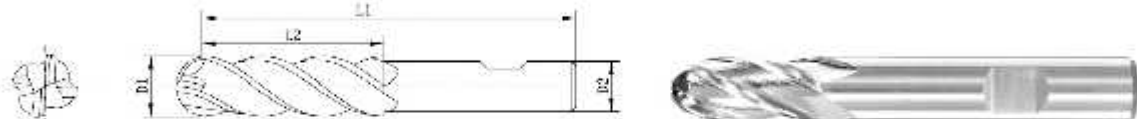


Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
2mm	3/8	3/8	2-5/16	4	0010561010	0040561010	12mm	3/8	1	2-11/16	4	0010568510	0040568510
2.5mm	3/8	3/8	2-5/16	4	0010561510	0040561510	12.5mm	1/2	1-1/4	3-1/4	4	0010569010	0040569010
3mm	3/8	3/8	2-5/16	4	0010562010	0040562010	13mm	1/2	1-1/4	3-1/4	4	0010569510	0040569510
3.5mm	3/8	3/8	2-5/16	4	0010562510	0040562510	14mm	1/2	1-3/8	3-3/8	4	0010570010	0040570010
4mm	3/8	1/2	2-3/8	4	0010563010	0040563010	15mm	1/2	1-3/8	3-3/8	4	0010570510	0040570510
4.5mm	3/8	1/2	2-3/8	4	0010563510	0040563510	16mm	5/8	1-5/8	3-3/4	4	0010571010	0040571010
5mm	3/8	9/16	2-1/2	4	0010564010	0040564010	18mm	1/2	1-1/2	3-5/8	4	0010571510	0040571510
5.5mm	3/8	9/16	2-1/2	4	0010564510	0040564510	18mm	5/8	1-5/8	3-3/4	4	0010572010	0040572010
6mm	3/8	5/8	2-1/2	4	0010565010	0040565010	18mm	3/4	1-5/8	3-3/4	4	0010572510	0040572510
7mm	3/8	3/4	2-1/2	4	0010565510	0040565510	20mm	5/8	1-7/8	4-1/8	4	0010573010	0040573010
8mm	3/8	3/4	2-1/2	4	0010566010	0040566010	20mm	3/4	1-7/8	4-1/8	4	0010573510	0040573510
9mm	3/8	3/4	2-1/2	4	0010566510	0040566510	22mm	3/4	1-7/8	4-1/8	4	0010574010	0040574010
10mm	3/8	3/4	2-1/2	4	0010567010	0040567010	22mm	7/8	1-7/8	4-1/8	4	0010574510	0040574510
10mm	3/8	1	2-1/2	4	0010567510	0040567510	24mm	3/4	2	4-1/2	4	0010575010	0040575010
11mm	3/8	1	2-11/16	4	0010568010	0040568010	25mm	3/4	1-7/8	4-1/8	4	0010575510	0040575510

四齿球头标准型/FOUR FLUTE BALL NOSE STANDARD



类型及规格 Type & Specifications



Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1/8	3/8	3/8	2-5/16	4	0810401010	0840401010	5/8	5/8	1-5/8	3-3/4	4	0810407010	0840407010
3/16	3/8	1/2	2-3/8	4	0810402010	0840402010	3/4	3/4	1-5/8	3-7/8	4	0810408010	0840408010
1/4	3/8	5/8	2-7/16	4	0810403010	0840403010	7/8	7/8	1-7/8	4-1/8	4	0810409010	0840409010
5/16	3/8	3/4	2-1/2	4	0810404010	0840404010	1	1	2	4-1/2	4	0810410010	0840410010
3/8	3/8	3/4	2-1/2	4	0810405010	0840405010	1-1/4	1-1/4	2	4-1/2	4	0810411010	0840411010
1/2	1/2	1-1/4	3-1/4	4	0810406010	0840406010	1-1/2	1-1/4	2	4-1/2	4	0810412010	0840412010

ANSI end mills

多齿加长型/MULTIPLE FLUTE SINGLE END LONG LENGTH



类型及规格 Type & Specifications



Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1/4	1/4	1-1/4	3-1/16	4	0012611010	0042611010	7/8	7/8	4	6-1/2	4	0012626010	0042626010
1/4	3/8	1-1/4	3-1/16	4	0012612010	0042612010	1	3/4	4	6-1/2	4	0012627010	0042627010
5/16	5/16	1-5/8	3-1/16	4	0012613010	0042613010	1	1	4	6-1/2	4	0012628010	0042628010
5/16	3/8	1-3/8	3-1/8	4	0012614010	0042614010	1-1/8	1	4	6-1/2	4	0012629010	0042629010
3/8	3/8	1-1/2	3-1/4	4	0012615010	0042615010	1-3/8	1	4	6-1/2	4	0012630010	0042630010
3/8	3/8	1-3/4	3-3/8	4	0012616010	0042616010	1-1/4	1	4	6-1/2	6	0013040010	0043040010
7/16	1/2	1-3/4	3-3/4	4	0012617010	0042617010	1-1/4	1-1/4	4	6-1/2	6	0013041010	0043041010
1/2	1/2	2	4	4	0012618010	0042618010	1-1/2	1	4	6-1/2	6	0013042010	0043042010
5/8	1/2	2-1/2	4-5/8	4	0012619010	0042619010	1-1/2	1-1/4	4	6-1/2	6	0013043010	0043043010
5/8	5/8	2-1/2	4-5/8	4	0012620010	0042620010	1-5/8	1-1/4	4	6-1/2	6	0013044010	0043044010
3/4	1/2	3	5-1/4	4	0012621010	0042621010	1-3/4	1-1/4	4	6-1/2	6	0013045010	0043045010
3/4	5/8	3	5-1/4	4	0012622010	0042622010	2	1-1/4	4	6-1/2	6	0013046010	0043046010
3/4	3/4	3	5-1/4	4	0012623010	0042623010	2	2	3	6-3/4	6	0013047010	0043047010
7/8	3/4	3-1/2	5-3/4	4	0012624010	0042624010	2	2	4	7-3/4	6	0013048010	0043048010
7/8	7/8	3-1/2	5-3/4	4	0012625010	0042625010	2	2	5	8-3/4	6	0013049010	0043049010

多齿超长型/MULTIPLE FLUTE SINGLE END EXTRA LONG LENGTH



类型及规格 Type & Specifications



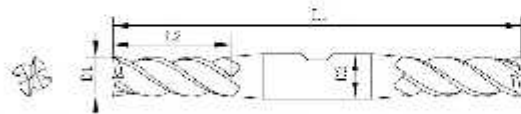
Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1/2	3/8	1-3/4	3-8/16	4	0014011010	0044011010	1-1/2	1-1/4	6	8-1/2	4	0014021010	0044021010
5/16	3/8	2	3-3/4	4	0014012010	0044012010	1-1/2	1-1/4	8	10-1/2	4	0014022010	0044022010
3/8	3/8	2-1/2	4-1/4	4	0014013010	0044013010	1-1/4	1-1/4	6	8-1/2	6	0014836010	0044836010
1/2	1/2	3	5	4	0014014010	0044014010	1-1/2	1-1/4	6	8-1/2	6	0014837010	0044837010
5/8	5/8	4	6-1/8	4	0014015010	0044015010	1-1/2	1-1/4	8	10-1/2	6	0014838010	0044838010
3/4	1/2	4	6-1/4	4	0014016010	0044016010	2	2	6	9-3/4	6	0014839010	0044839010
3/4	3/4	4	6-1/4	4	0014017010	0044017010	2	2	8	11-3/4	6	0014840010	0044840010
7/8	7/8	5	7-1/4	4	0014018010	0044018010	2	2	10	13-3/4	6	0014841010	0044841010
1	1	6	8-1/2	4	0014019010	0044019010	2	2	12	15-3/4	6	0014842010	0044842010
1-1/4	1-1/4	6	8-1/2	4	0014020010	0044020010							

ANSI end mills

双头四齿/FOUR FLUTE DOUBLE END



类型及规格 Type & Specifications

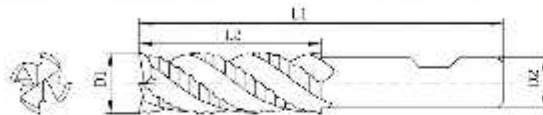


Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
7/64	3/8	3/8	3-1/16	4	0015311010	0045311010	3/8	3/8	3/4	3-1/2	4	0015327010	0045327010
1/8	3/8	3/8	3-1/16	4	0015312010	0045312010	13/32	1/2	1	4-1/8	4	0015328010	0045328010
9/64	3/8	3/8	3-1/16	4	0015313010	0045313010	7/16	1/2	1	4-1/8	4	0015329010	0045329010
5/32	3/8	7/16	3-1/8	4	0015314010	0045314010	15/32	1/2	1	4-1/8	4	0015330010	0045330010
11/64	3/8	1/2	3-1/4	4	0015315010	0045315010	1/2	1/2	1	4-1/8	4	0015331010	0045331010
3/16	3/8	1/2	3-1/4	4	0015316010	0045316010	9/16	5/8	1-3/8	5	4	0015332010	0045332010
13/64	3/8	9/16	3-1/4	4	0015317010	0045317010	17/32	5/8	1-3/8	5	4	0015333010	0045333010
7/32	3/8	9/16	3-1/4	4	0015318010	0045318010	5/8	5/8	1-3/8	5	4	0015334010	0045334010
15/64	3/8	5/8	3-3/8	4	0015319010	0045319010	11/16	3/4	1-5/8	5-5/8	4	0015335010	0045335010
1/4	3/8	5/8	3-3/8	4	0015320010	0045320010	23/32	3/4	1-5/8	5-5/8	4	0015336010	0045336010
17/64	3/8	11/16	3-3/8	4	0015321010	0045321010	3/4	3/4	1-5/8	5-5/8	4	0015337010	0045337010
9/32	3/8	11/16	3-3/8	4	0015322010	0045322010	13/16	7/8	1-7/8	6-1/8	4	0015338010	0045338010
19/64	3/8	3/4	3-1/2	4	0015323010	0045323010	7/8	7/8	1-7/8	6-1/8	4	0015339010	0045339010
5/16	3/8	3/4	3-1/2	4	0015324010	0045324010	15/16	1	1-7/8	6-3/8	4	0015340010	0045340010
21/64	3/8	3/4	3-1/2	4	0015325010	0045325010	1	1	1-7/8	6-3/8	4	0015341010	0045341010
11/32	3/8	3/4	3-1/2	4	0015326010	0045326010							

粗牙波刃标准型/ROUGHING END MILLS MF STANDARD TYPE NR



类型及规格 Type & Specifications



Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
3/16	3/8	1/2	2-3/8	4	0210511010	0240511010	3/4	3/4	1-5/8	3-3/4	4	0210551010	0240551010
1/4	1/4	3/4	2-1/2	4	0210512010	0240512010	13/16	3/4	1-7/8	4-1/8	4	0210552010	0240552010
1/4	3/8	5/8	2-7/16	4	0210515010	0240515010	7/8	3/4	1-5/8	4-1/8	4	0210555010	0240555010
1/4	3/8	3/4	2-1/2	4	0210517010	0240517010	7/8	7/8	1-7/8	4-1/8	4	0210557010	0240557010
5/16	5/16	7/8	2-5/8	4	0210519010	0240519010	15/16	7/8	1-7/8	4-1/8	4	0210559010	0240559010
5/16	3/8	3/4	2-1/2	4	0210521010	0240521010	1	3/4	2	4-1/2	6	0210922010	0240922010
3/8	3/8	3/8	2-5/32	4	0210523010	0240523010	1	1	2	4-1/2	6	0210924010	0240924010
3/8	3/8	7/16	2-3/16	4	0210525010	0240525010	1-1/8	3/4	2	4-1/2	6	0210928010	0240928010
3/8	3/8	3/4	2-1/2	4	0210527010	0240527010	1-1/8	1	2	4-1/2	6	0210928010	0240928010
3/8	3/8	1	2-3/4	4	0210529010	0240529010	1-1/4	3/4	2	4-1/2	6	0210930010	0240930010
7/16	3/8	1	2-11/16	4	0210531010	0240531010	1-1/4	1-1/4	2	4-1/2	6	0210932010	0240932010
7/16	3/8	1	2-3/4	4	0210533010	0240533010	1-3/8	1-1/4	2	4-1/2	6	0210934010	0240934010
13/32	3/8	1	2-11/16	4	0210535010	0240535010	1-1/2	3/4	2	4-1/2	6	0210936010	0240936010
15/32	1/2	1-1/4	3-1/4	4	0210537010	0240537010	1-1/2	1-1/4	2	4-1/2	6	0210938010	0240938010
1/2	1/2	1-1/4	3-1/4	4	0210539010	0240539010	1-5/8	1-1/4	2	4-1/2	6	0210940010	0240940010
9/16	1/2	1-3/8	3-3/8	4	0210541010	0240541010	1-3/4	3/4	2	4-1/2	6	0210942010	0240942010
5/8	5/8	1-5/8	3-3/4	4	0210543010	0240543010	1-3/4	1-1/4	2	4-1/2	6	0210944010	0240944010
11/16	5/8	1-5/8	3-3/4	4	0210545010	0240545010	2	1-1/4	2	4-1/2	6	0210946010	0240946010
3/4	5/8	1-5/8	3-3/4	4	0210547010	0240547010	2	3/4	2	4-1/2	8	0211132010	0241132010
3/4	5/8	1-5/8	3-7/8	4	0210549010	0240549010	2	1-1/4	2	4-1/2	8	0211134010	0241134010

ANSI end mills

粗牙波刃加长型/ROUGHING END MILLS MF LONG LENGTH TYPE NR



类型及规格 Type & Specifications



Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1/4	3/8	1-1/4	3-1/16	4	0212611010	0242611010	1-1/4	1-1/4	3	5-1/2	6	0213043010	0243043010
5/16	3/8	1-3/8	3-1/8	4	0212613010	0242613010	1-1/4	3/4	4	6-1/4	6	0213045010	0243045010
3/8	3/8	1-1/2	3-1/4	4	0212615010	0242615010	1-1/4	1-1/4	4	6-1/2	6	0213047010	0243047010
7/16	1/2	1-3/4	3-3/4	4	0212617010	0242617010	1-1/2	1-1/4	3	5-1/2	6	0213049010	0243049010
1/2	1/2	2	4	4	0212619010	0242619010	1-1/2	3/4	4	6-1/4	6	0213051010	0243051010
5/8	5/8	2-1/2	4-5/8	4	0212621010	0242621010	1-1/2	1-1/4	4	6-1/2	6	0213053010	0243053010
3/4	5/8	3	5-1/8	4	0212623010	0242623010	1-3/4	1-1/4	4	6-1/2	6	0213055010	0243055010
3/4	3/4	3	5-1/4	4	0212625010	0242625010	2	1-1/4	4	6-1/2	6	0213057010	0243057010
7/8	3/4	3-1/2	5-5/8	4	0212627010	0242627010	2	2	4	7-3/4	6	0213057510	0243057510
7/8	7/8	3-1/2	5-3/4	4	0212629010	0242629010	2	2	5	8-3/4	6	0213058010	0243058010
1	1	4	6-1/2	4	0212631010	0242631010	2	2	6	9-3/4	6	0213058510	0243058510
1	1	4	6-1/2	6	0213041010	0243041010							

粗牙波刃超长型/ROUGHING END MILLS MF EXTRA LONG LENGTH TYPE NR



类型及规格 Type & Specifications



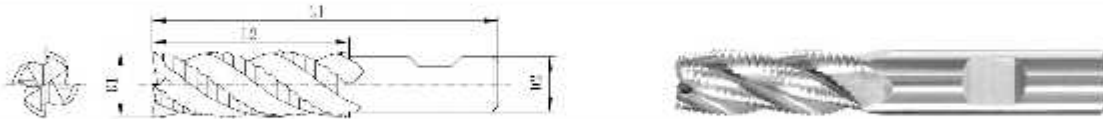
Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1/4	3/8	1-3/4	3-9/16	4	0014011010	0044011010	1-1/2	1-1/4	8	10-1/2	4	0014022010	0044022010
5/16	3/8	2	3-3/4	4	0014012010	0044012010	1-1/4	1-1/4	6	6-1/2	5	0014636010	0044636010
3/8	3/8	2-1/2	4-1/4	4	0014013010	0044013010	1-1/2	1-1/4	6	8-1/2	5	0014637010	0044637010
1/2	1/2	3	5	4	0014014010	0044014010	1-1/2	1-1/4	8	10-1/2	5	0014638010	0044638010
5/8	5/8	4	6-1/8	4	0014015010	0044015010	2	2	7	10-3/4	5	0014639010	0044639010
3/4	1/2	4	6-1/4	4	0014016010	0044016010	2	2	8	11-3/4	5	0014640010	0044640010
3/4	3/4	4	6-1/4	4	0014017010	0044017010	2	2	9	12-3/4	5	0014640510	0044640510
7/8	7/8	5	7-1/4	4	0014018010	0044018010	2	2	10	13-3/4	5	0014641010	0044641010
1	1	6	8-1/2	4	0014019010	0044019010	2	2	11	14-3/4	5	0014641510	0044641510
1-1/4	1-1/4	6	8-1/2	4	0014020010	0044020010	2	2	12	15-3/4	5	0014642010	0044642010
1-1/2	1-1/4	6	8-1/2	4	0014021010	0044021010							

ANSI end mills

细牙波刃标准型/ROUGHING END MILLS MF STANDARD TYPE HR



类型及规格 Type & Specifications

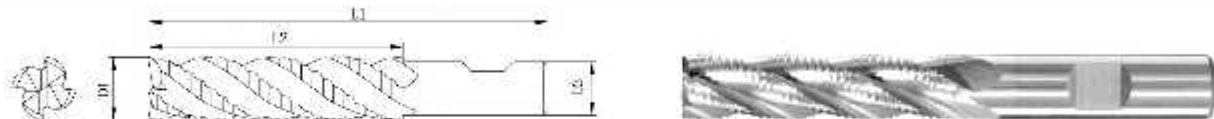


Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
3/16	3/8	1/2	2-3/8	4	1212151110	1242151110	3/4	3/4	1-5/8	3-3/4	4	1212153110	1242153110
1/4	1/4	3/4	2-1/2	4	1212151210	1242151210	13/16	3/4	1-7/8	4-1/8	4	1212153210	1242153210
1/4	3/8	5/8	2-7/16	4	1212151310	1242151310	7/8	3/4	1-5/8	4-1/8	4	1212153310	1242153310
1/4	3/8	3/4	2-1/2	4	1212151410	1242151410	7/8	7/8	1-7/8	4-1/8	4	1212153410	1242153410
5/16	5/16	7/8	2-5/8	4	1212151510	1242151510	15/16	7/8	1-7/8	4-1/8	4	1212153510	1242153510
5/16	3/8	3/4	2-1/2	4	1212151610	1242151610	1	3/4	2	4-1/2	6	1212153610	1242153610
3/8	3/8	3/8	2-5/32	4	1212151710	1242151710	1	1	2	4-1/2	6	1212153710	1242153710
3/8	3/8	7/16	2-3/16	4	1212151810	1242151810	1-1/8	3/4	2	4-1/2	6	1212153810	1242153810
3/8	3/8	3/4	2-1/2	4	1212151910	1242151910	1-1/8	1	2	4-1/2	6	1212153910	1242153910
3/8	3/8	1	2-3/4	4	1212152010	1242152010	1-1/4	3/4	2	4-1/2	6	1212154010	1242154010
7/16	3/8	1	2-11/16	4	1212152110	1242152110	1-1/4	1-1/4	2	4-1/2	6	1212154110	1242154110
7/16	3/8	1	2-3/4	4	1212152210	1242152210	1-3/8	1-1/4	2	4-1/2	6	1212154210	1242154210
13/32	3/8	1	2-11/16	4	1212152310	1242152310	1-1/2	3/4	2	4-1/2	6	1212154310	1242154310
15/32	1/2	1-1/4	3-1/4	4	1212152410	1242152410	1-1/2	1-1/4	2	4-1/2	6	1212154410	1242154410
1/2	1/2	1-1/4	3-1/4	4	1212152510	1242152510	1-5/8	1-1/4	2	4-1/2	6	1212154510	1242154510
9/16	1/2	1-3/8	3-3/8	4	1212152610	1242152610	1-3/4	3/4	2	4-1/2	6	1212154610	1242154610
5/8	5/8	1-5/8	3-3/4	4	1212152710	1242152710	1-3/4	1-1/4	2	4-1/2	6	1212154710	1242154710
11/16	5/8	1-5/8	3-3/4	4	1212152810	1242152810	2	1-1/4	2	4-1/2	6	1212154810	1242154810
3/4	5/8	1-5/8	3-3/4	4	1212152910	1242152910	2	3/4	2	4-1/2	8	1212154910	1242154910
3/4	5/8	1-5/8	3-7/8	4	1212153010	1242153010	2	1-1/4	2	4-1/2	8	1212155010	1242155010

细牙波刃加长型/ROUGHING END MILLS MF LONG LENGTH TYPE HR



类型及规格 Type & Specifications



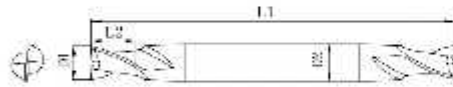
Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1/4	3/8	1-1/4	3-1/16	4	1212611010	1242611010	1-1/4	1-1/4	3	5-1/2	6	1212612210	1242612210
5/16	3/8	1-3/8	3-1/8	4	1212611110	1242611110	1-1/4	3/4	4	6-1/4	6	1212612310	1242612310
3/8	3/8	1-1/2	3-1/4	4	1212611210	1242611210	1-1/4	1-1/4	4	6-1/2	6	1212612410	1242612410
7/16	1/2	1-3/4	3-3/4	4	1212611310	1242611310	1-1/2	1-1/4	3	5-1/2	6	1212612510	1242612510
1/2	1/2	2	4	4	1212611410	1242611410	1-1/2	3/4	4	6-1/4	6	1212612610	1242612610
5/8	5/8	2-1/2	4-5/8	4	1212611510	1242611510	1-1/2	1-1/4	4	6-1/2	6	1212612710	1242612710
3/4	5/8	3	5-1/8	4	1212611610	1242611610	1-3/4	1-1/4	4	6-1/2	6	1212612810	1242612810
3/4	3/4	3	5-1/4	4	1212611710	1242611710	2	1-1/4	4	6-1/2	6	1212612910	1242612910
7/8	3/4	3-1/2	5-5/8	4	1212611810	1242611810	2	2	4	7-3/4	6	1212613010	1242613010
7/8	7/8	3-1/2	5-3/4	4	1212611910	1242611910	2	2	5	8-3/4	6	1212613110	1242613110
1	1	4	5-1/2	4	1212612010	1242612010	2	2	6	9-3/4	6	1212613210	1242613210
1	1	4	5-1/2	6	1212612110	1242612110							

ANSI end mills

3/16"柄双头二齿短型/3/16" SHANK TWO FLUTE DOUBLE END STUB LENGTH



类型及规格 Type & Specifications

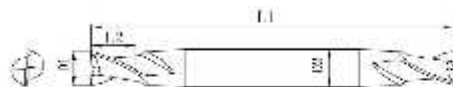


Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1/32	3/16	3/64	2"	2	0017101020	0047101020	1/8	3/16	3/16	2"	2	0017107020	0047107020
3/64	3/16	1/16	2"	2	0017102020	0047102020	9/64	3/16	7/32	2"	2	0017108020	0047108020
1/16	3/16	3/32	2"	2	0017103020	0047103020	5/32	3/16	15/64	2"	2	0017109020	0047109020
5/64	3/16	1/8	2"	2	0017104020	0047104020	11/64	3/16	1/4	2"	2	0017110020	0047110020
3/32	3/16	9/64	2"	2	0017105020	0047105020	3/16	3/16	9/32	2"	2	0017111020	0047111020
7/64	3/16	5/32	2"	2	0017106020	0047106020							

3/16"柄双头二齿标准型/3/16" SHANK TWO FLUTE DOUBLE END STANDARD



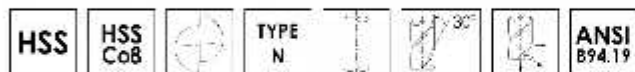
类型及规格 Type & Specifications



Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1/32	3/16	3/32	2-1/4	2	0017121020	0047121020	1/8	3/16	3/8	2-1/4	2	0017127020	0047127020
3/64	3/16	9/64	2-1/4	2	0017122020	0047122020	9/64	3/16	13/32	2-1/4	2	0017128020	0047128020
1/16	3/16	3/16	2-1/4	2	0017123020	0047123020	5/32	3/16	7/16	2-1/4	2	0017129020	0047129020
5/64	3/16	15/64	2-1/4	2	0017124020	0047124020	11/64	3/16	1/2	2-1/4	2	0017130020	0047130020
3/32	3/16	9/32	2-1/4	2	0017125020	0047125020	3/16	3/16	1/2	2-1/4	2	0017131020	0047131020
7/64	3/16	21/64	2-1/4	2	0017126020	0047126020							

ANSI end mills

3/16"柄双头二齿加长型/3/16" SHANK TWO FLUTE DOUBLE END LONG LENGTH



类型及规格 Type & Specifications

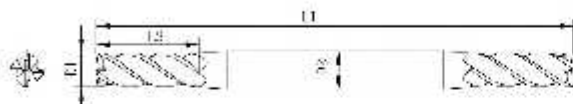


Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1/16	3/16	7/32	2-1/2	2	0017141020	0047141020	9/64	3/16	3/4	3-1/8	2	0017148020	0047148020
5/64	3/16	1/4	2-1/2	2	0017142020	0047142020	5/32	3/16	7/8	3-1/4	2	0017147020	0047147020
3/32	3/16	9/32	2-5/8	2	0017143020	0047143020	11/64	3/16	7/8	3-1/4	2	0017148020	0047148020
7/64	3/16	9/32	2-5/8	2	0017144020	0047144020	3/16	3/16	1	3-3/8	2	0017149020	0047149020
1/8	3/16	3/4	3-1/8	2	0017145020	0047145020							

3/16"柄双头四齿短型/3/16" SHANK FOUR FLUTE DOUBLE STUB LENGTH



类型及规格 Type & Specifications



Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1/16	3/16	3/32	2"	4	0017151020	0047151020	9/64	3/16	7/32	2"	4	0017156020	0047156020
5/64	3/16	1/8	2"	4	0017152020	0047152020	5/32	3/16	15/64	2"	4	0017157020	0047157020
3/32	3/16	9/64	2"	4	0017153020	0047153020	11/64	3/16	1/4	2"	4	0017158020	0047158020
7/64	3/16	5/32	2"	4	0017154020	0047154020	3/16	3/16	9/32	2"	4	0017159020	0047159020
1/8	3/16	3/16	2"	4	0017155020	0047155020							

ANSI end mills

3/16"柄双头四齿标准型/3/16" SHANK FOUR FLUTE DOUBLE END STANDARD



类型及规格 Type & Specifications

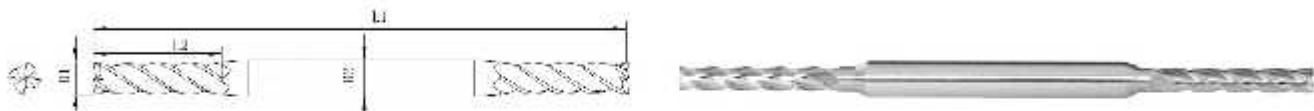


Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1/16	3/16	3/16	2-1/4	4	0017161020	0047161020	9/64	3/16	13/32	2-1/4	4	0017166020	0047166020
5/64	3/16	15/64	2-1/4	4	0017162020	0047162020	5/32	3/16	7/16	2-1/4	4	0017167020	0047167020
3/32	3/16	9/32	2-1/4	4	0017163020	0047163020	11/64	3/16	1/2	2-1/4	4	0017168020	0047168020
7/64	3/16	21/64	2-1/4	4	0017164020	0047164020	3/16	3/16	1/2	2-1/4	4	0017169020	0047169020
1/8	3/16	3/8	2-1/4	4	0017165020	0047165020							

3/16"柄双头四齿加长型/3/16" SHANK FOUR FLUTE DOUBLE END LONG LENGTH



类型及规格 Type & Specifications

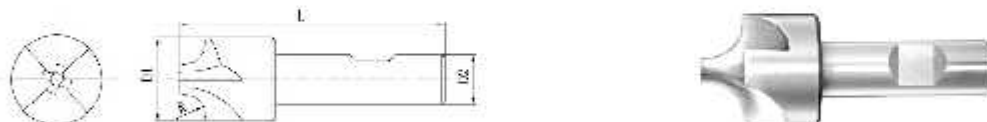


Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8	Size	Shank Dia.	Length of Cut	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co8
1/16	3/16	7/32	2-1/2	4	0017171020	0047171020	9/64	3/16	3/4	3-1/8	4	0017176020	0047176020
5/64	3/16	1/4	2-1/2	4	0017172020	0047172020	5/32	3/16	7/8	3-1/4	4	0017177020	0047177020
3/32	3/16	9/32	2-5/8	4	0017173020	0047173020	11/64	3/16	7/8	3-1/4	4	0017178020	0047178020
7/64	3/16	9/32	2-5/8	4	0017174020	0047174020	3/16	3/16	1	3-3/8	4	0017179020	0047179020
1/8	3/16	3/4	3-1/8	4	0017175020	0047175020							

内R立铣刀/CORNER ROUNDING END MILLS



类型及规格 Type & Specifications



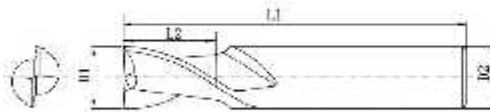
R	Shank Dia.	Cut Dia.	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co5	R	Shank Dia.	Cut Dia.	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co5
1/32	3/8	3/8	2-1/2	4	2110401010	2140401010	3/8	1/2	1-1/4	3-1/2	4	2110433010	2140433010
3/64	3/8	7/16	2-1/2	4	2110402010	2140402010	3/8	3/4	1-1/4	3-1/2	4	2110434010	2140434010
1/16	3/8	7/16	2-1/2	4	2110403010	2140403010	3/8	7/8	1-1/4	3-3/4	4	2110435010	2140435010
5/64	3/8	1/2	2-1/2	4	2110404010	2140404010	13/32	3/4	1-1/4	3-1/2	4	2110436010	2140436010
3/32	3/8	1/2	2-1/2	4	2110405010	2140405010	7/16	3/4	1-3/8	3-3/4	4	2110437010	2140437010
3/32	1/2	1/2	2-1/2	4	2110406010	2140406010	7/16	1	1-3/8	4	4	2110438010	2140438010
7/64	3/8	5/8	2-1/2	4	2110407010	2140407010	15/32	3/4	1-3/8	3-3/4	4	2110439010	2140439010
1/8	3/8	5/8	3	4	2110408010	2140408010	1/2	1/2	1-1/2	3-7/8	4	2110440010	2140440010
1/8	1/2	5/8	3	4	2110409010	2140409010	1/2	3/4	1-1/2	3-7/8	4	2110441010	2140441010
9/64	1/2	3/4	3	4	2110410010	2140410010	1/2	1	1-1/2	4-1/8	4	2110442010	2140442010
5/32	1/2	3/4	3	4	2110411010	2140411010	17/32	3/4	1-1/2	3-7/8	4	2110443010	2140443010
11/64	1/2	3/4	3	4	2110412010	2140412010	9/16	3/4	1-15/16	4	4	2110444010	2140444010
3/16	1/2	7/8	3-1/8	4	2110413010	2140413010	9/16	1	1-15/16	4-1/4	4	2110445010	2140445010
3/16	3/4	7/8	3-1/8	4	2110414010	2140414010	19/32	3/4	1-15/16	4	4	2110446010	2140446010
13/64	1/2	7/8	3-1/8	4	2110415010	2140415010	5/8	3/4	1-15/16	4	4	2110447010	2140447010
13/64	3/4	7/8	3-1/8	4	2110416010	2140416010	5/8	1	1-15/16	4-1/4	4	2110448010	2140448010
7/32	1/2	7/8	3-1/4	4	2110417010	2140417010	21/32	3/4	1-15/16	4	4	2110449010	2140449010
7/32	3/4	7/8	3-1/4	4	2110418010	2140418010	11/16	3/4	2-1/4	4-1/8	4	2110450010	2140450010
15/64	1/2	7/8	3-1/8	4	2110419010	2140419010	11/16	1	2-1/4	4-5/16	4	2110451010	2140451010
1/4	1/2	1	3-1/8	4	2110420010	2140420010	23/32	3/4	2-1/4	4-1/8	4	2110452010	2140452010
1/4	3/4	1	3-1/4	4	2110421010	2140421010	3/4	3/4	2-1/4	4-1/8	4	2110453010	2140453010
17/64	1/2	1	3-1/8	4	2110422010	2140422010	3/4	1	2-1/4	4-5/16	4	2110454010	2140454010
17/64	3/4	1	3-1/8	4	2110423010	2140423010	25/32	3/4	2-1/4	4-1/8	4	2110455010	2140455010
9/32	1/2	1-1/8	3-1/4	4	2110424010	2140424010	13/16	3/4	2-1/4	4-1/8	4	2110456010	2140456010
9/32	3/4	1-1/8	3-1/4	4	2110425010	2140425010	13/16	1	2-1/4	4-5/16	4	2110457010	2140457010
19/64	3/4	1-1/8	3-1/4	4	2110426010	2140426010	27/32	3/4	2-1/2	4-1/2	4	2110458010	2140458010
5/16	5/8	1-1/8	3-1/2	4	2110427010	2140427010	7/8	3/4	2-1/2	4-1/2	4	2110459010	2140459010
5/16	3/4	1-1/8	3-1/4	4	2110428010	2140428010	7/8	1	2-1/2	4-1/2	4	2110460010	2140460010
5/16	7/8	1-1/8	3-1/2	4	2110429010	2140429010	15/16	3/4	2-5/8	4-1/2	4	2110461010	2140461010
21/64	3/4	1-1/8	3-1/4	4	2110430010	2140430010	15/16	1	2-5/8	4-3/4	4	2110462010	2140462010
11/32	1/2	1-1/8	3-1/2	4	2110431010	2140431010	1	3/4	2-5/8	4-1/2	4	2110463010	2140463010
11/32	3/4	1-1/8	3-1/2	4	2110432010	2140432010	1	1	2-5/8	4-3/4	4	2110464010	2140464010

JIS end mills

二齿标准型/TWO FLUTE STANDARD



类型及规格 Type & Specifications

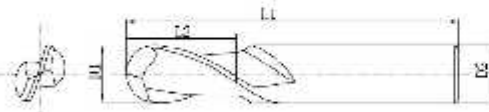


D1 e8	D2 h6	L2 js8	L1 js18	Flute No.	Order No. HSS	Order No. HSS-Co8	D1 e8	D2 h6	L2 js18	L1 js18	Flute No.	Order No. HSS	Order No. HSS-Co8
1	6	4	50	2	0110150510	0140150510	16	16	40	105	2	0110160010	0140160010
2	6	6	50	2	0110151010	0140151010	17	16	40	105	2	0110160310	0140160310
2.5	6	8	55	2	0110151310	0140151310	18	16	40	105	2	0110160810	0140160810
3	6	10	55	2	0110151610	0140151610	19	20	45	115	2	0110160910	0140160910
4	6	12	55	2	0110151910	0140151910	20	20	45	115	2	0110161210	0140161210
5	6	15	60	2	0110152210	0140152210	21	20	45	115	2	0110161510	0140161510
6	6	15	60	2	0110152510	0140152510	22	20	45	115	2	0110161810	0140161810
3.5	8	12	60	2	0110152810	0140152810	23	25	50	125	2	0110162110	0140162110
4	8	12	60	2	0110153110	0140153110	24	25	50	125	2	0110162410	0140162410
4.5	8	15	65	2	0110153410	0140153410	25	25	50	125	2	0110162710	0140162710
5	8	15	65	2	0110153710	0140153710	26	25	50	125	2	0110163010	0140163010
5.5	8	15	65	2	0110154010	0140154010	27	25	50	125	2	0110163310	0140163310
6	8	15	65	2	0110154310	0140154310	28	25	55	125	2	0110163610	0140163610
7	8	20	70	2	0110154610	0140154610	29	25	55	125	2	0110163910	0140163910
8	8	20	70	2	0110154910	0140154910	30	25	55	125	2	0110164210	0140164210
6.5	10	20	75	2	0110155210	0140155210	31	32	60	145	2	0110164510	0140164510
7	10	20	75	2	0110155510	0140155510	32	32	60	145	2	0110164810	0140164810
7.5	10	20	75	2	0110155810	0140155810	33	32	60	145	2	0110165110	0140165110
8	10	20	75	2	0110156110	0140156110	34	32	60	145	2	0110165410	0140165410
8.5	10	25	80	2	0110156410	0140156410	35	32	60	145	2	0110165710	0140165710
9	10	25	80	2	0110156710	0140156710	36	32	65	155	2	0110166010	0140166010
9.5	10	25	80	2	0110157010	0140157010	37	32	65	155	2	0110166310	0140166310
10	10	25	80	2	0110157310	0140157310	38	32	65	155	2	0110166610	0140166610
10.5	12	30	90	2	0110157610	0140157610	39	32	65	155	2	0110166910	0140166910
11	12	30	90	2	0110157910	0140157910	40	32	65	155	2	0110167210	0140167210
11.5	12	30	90	2	0110158210	0140158210	42	42	70	160	2	0110167510	0140167510
12	12	30	90	2	0110158510	0140158510	45	42	70	160	2	0110167810	0140167810
13	12	35	95	2	0110158810	0140158810	46	42	70	165	2	0110168110	0140168110
14	12	35	95	2	0110159110	0140159110	48	42	75	165	2	0110168410	0140168410
15	16	40	105	2	0110159710	0140159710	50	42	75	165	2	0110168710	0140168710

二齿球头标准型/TWO FLUTE BALL NOSE STANDARD



类型及规格 Type & Specifications

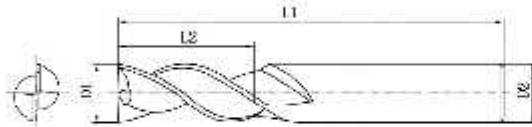


D1	D2	L2	L1	Flute	Order No.	Order No.	D1	D2	L2	L1	Flute	Order No.	Order No.
e8	h6	js18	js18	No.	HSS	HSS-Co8	e8	h6	js18	js18	No.	HSS	HSS-Co8
1	6	4	50	2	0110150510	0140150510	9.5	10	25	80	2	0110157010	0140157010
2	6	6	50	2	0110151010	0140151010	10	10	25	80	2	0110157310	0140157310
2.5	6	8	55	2	0110151310	0140151310	10.5	12	30	90	2	0110157610	0140157610
3	6	10	55	2	0110151610	0140151610	11	12	30	90	2	0110157910	0140157910
4	6	12	55	2	0110151910	0140151910	11.5	12	30	90	2	0110158210	0140158210
5	6	15	60	2	0110152210	0140152210	12	12	30	90	2	0110158510	0140158510
6	6	15	60	2	0110152510	0140152510	13	12	35	95	2	0110158810	0140158810
3.5	8	12	60	2	0110152810	0140152810	14	12	35	95	2	0110159110	0140159110
4	8	12	60	2	0110153110	0140153110	15	16	40	105	2	0110159710	0140159710
4.5	8	15	65	2	0110153410	0140153410	16	16	40	105	2	0110160010	0140160010
5	8	15	65	2	0110153710	0140153710	17	16	40	105	2	0110160310	0140160310
5.5	8	15	65	2	0110154010	0140154010	18	16	40	105	2	0110160610	0140160610
6	8	15	65	2	0110154310	0140154310	19	20	45	115	2	0110160910	0140160910
7	8	20	70	2	0110154610	0140154610	20	20	45	115	2	0110161210	0140161210
8	8	20	70	2	0110154910	0140154910	21	20	45	115	2	0110161510	0140161510
6.5	10	20	75	2	0110155210	0140155210	22	20	45	115	2	0110161810	0140161810
7	10	20	75	2	0110155510	0140155510	23	25	50	125	2	0110162110	0140162110
7.5	10	20	75	2	0110155810	0140155810	24	25	50	125	2	0110162410	0140162410
8	10	20	75	2	0110156110	0140156110	25	25	50	125	2	0110162710	0140162710
8.5	10	25	80	2	0110156410	0140156410							
9	10	25	80	2	0110156710	0140156710							

二齿加长型/TWO FLUTE LONG LENGTH



类型及规格 Type & Specifications



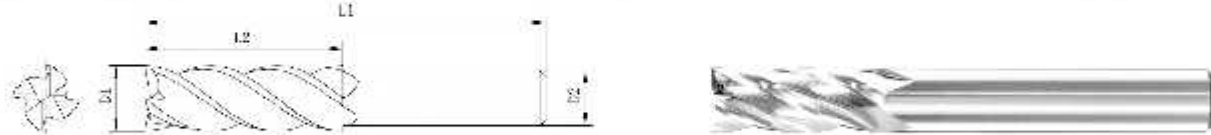
D1	D2	L2	L1	Flute	Order No.	Order No.	D1	D2	L2	L1	Flute	Order No.	Order No.
f10	h6	js14	s14	No.	HSS	HSS-Co8	f10	h6	js14	js14	No.	HSS	HSS-Co8
1.0	6	10	60	2	012230110	0142230110	16.0	16	65	190	2	012238010	0142238010
2.0	6	12	60	2	012230110	0142230510	18.0	16	65	190	2	012240010	0142240010
3.0	6	15	65	2	012231010	0142231010	20.0	20	75	145	2	012241010	0142241010
4.0	6	25	75	2	012232010	0142232010	25.0	25	90	165	2	012243010	0142243010
5.0	6	25	75	2	012233010	0142233010	30.0	25	90	165	2	012245010	0142245010
6.0	6	25	75	2	012234010	0142234010	32.0	32	98	185	2	012246010	0142246010
8.0	8	35	85	2	012235010	0142235010	36.0	32	105	205	2	012247010	0142247010
10.0	10	45	100	2	012236010	0142236010	40.0	32	105	205	2	012248010	0142248010
12.0	12	55	115	2	012237010	0142237010	50.0	42	125	295	2	012249010	0142249010

JIS end mills

四齿标准型/FOUR FLUTE STANDARD



类型及规格 Type & Specifications



D1 k10	D2 h6	L2 js18	L1 js18	Flute No.	Order No. HSS	Order No. HSS-Co8	D1 k10	D2 h6	L2 js18	L1 js18	Flute No.	Order No. HSS	Order No. HSS-Co8
1.0	6	4	50	4	0110540510	0140540510	16.0	16	40	105	4	01105530*0	0140553010
2.0	6	6	50	4	0110541010	0140541010	17.0	16	40	105	4	01105534*0	0140553410
2.5	6	8	55	4	0110541410	0140541410	18.0	16	40	105	4	01105538*0	0140553810
3.0	8	10	55	4	0110541810	0140541810	18.0	20	45	115	4	01105542*0	0140554210
4.0	6	12	55	4	0110542210	0140542210	20.0	20	45	115	4	01105546*0	0140554610
5.0	6	15	60	4	0110542610	0140542610	21.0	20	45	115	4	01105550*0	0140555010
6.0	6	15	80	4	0110543010	0140543010	22.0	20	45	115	4	01105554*0	0140555410
3.5	8	12	60	4	0110543410	0140543410	23.0	25	50	125	4	01105558*0	0140555810
4.0	8	12	80	4	0110543810	0140543810	24.0	25	50	125	4	01105562*0	0140556210
4.5	8	15	65	4	0110544210	0140544210	25.0	25	50	125	4	01105566*0	0140556610
5.0	8	15	65	4	0110544610	0140544610	26.0	25	50	125	4	01105570*0	0140557010
5.5	8	15	65	4	0110545010	0140545010	27.0	25	55	125	4	01105574*0	0140557410
6.0	8	15	65	4	0110545410	0140545410	28.0	25	55	125	4	01105578*0	0140557810
7.0	8	20	70	4	0110545810	0140545810	29.0	32	55	125	4	01105582*0	0140558210
8.0	8	20	70	4	0110546210	0140546210	30.0	32	55	125	4	01105586*0	0140558610
6.5	10	20	75	4	0110546610	0140546610	31.0	32	60	145	4	01105590*0	0140559010
7.0	10	20	75	4	0110547010	0140547010	32.0	32	60	145	4	01105594*0	0140559410
7.5	10	20	75	4	0110547410	0140547410	33.0	32	60	145	4	01105598*0	0140559810
8.0	10	20	75	4	0110547810	0140547810	34.0	32	60	145	4	01105602*0	0140560210
8.5	10	25	80	4	0110548210	0140548210	35.0	32	60	155	4	01105606*0	0140560610
9.0	10	25	80	4	0110548610	0140548610	36.0	32	65	155	4	01105610*0	0140561010
9.5	10	25	80	4	0110549010	0140549010	37.0	32	65	155	4	01105614*0	0140561410
10.0	10	25	80	4	0110549410	0140549410	38.0	32	65	155	4	01105618*0	0140561810
10.5	12	30	90	4	0110549810	0140549810	39.0	32	65	155	4	01105622*0	0140562210
11.0	12	30	90	4	0110550210	0140550210	40.0	32	65	155	4	01105626*0	0140562610
11.5	12	30	90	4	0110550610	0140550610	42.0	42	70	160	4	01105630*0	0140563010
12.0	12	30	90	4	0110551010	0140551010	45.0	42	70	160	4	01105634*0	0140563410
13.0	12	35	95	4	0110551410	0140551410	46.0	42	70	160	4	01105638*0	0140563810
14.0	12	35	95	4	0110551810	0140551810	48.0	42	75	165	4	01105642*0	0140564210
15.0	16	40	105	4	0110552610	0140552610	50.0	42	75	165	4	01105646*0	0140564610

四齿加长型/FOUR FLUTE LONG LENGTH



类型及规格 Type & Specifications

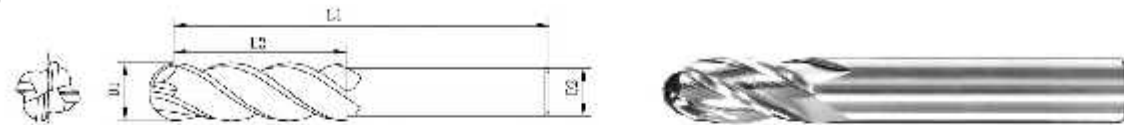


D1 k10	D2 h6	L2 js18	L1 js18	Flute No.	Order No. HSS	Order No. HSS-Co8	D1 k10	D2 h6	L2 js18	L1 js18	Flute No.	Order No. HSS	Order No. HSS-Co8
1.0	6	10	80	4	0112630110	C142630110	18.0	15	65	130	4	0112638010	0142638010
2.0	6	12	80	4	0112630510	C142630510	18.0	15	65	130	4	0112640010	0142640010
3.0	6	15	65	4	0112631010	C142631010	20.0	20	75	145	4	0112641010	0142641010
4.0	6	25	75	4	0112632010	C142632010	25.0	25	90	165	4	0112643010	0142643010
5.0	6	25	75	4	0112633010	C142633010	30.0	25	90	165	4	0112645010	0142645010
6.0	6	25	75	4	0112634010	C142634010	32.0	32	95	195	4	0112646010	0142646010
8.0	6	35	85	4	0112635010	C142635010	36.0	32	105	205	4	0112647010	0142647010
10.0	10	45	100	4	0112636010	C142636010	40.0	32	105	205	4	0112648010	0142648010
12.0	12	55	115	4	0112637010	C142637010	50.0	42	125	285	4	0112649010	0142649010

四齿球头标准型/FOUR FLUTE BALL NOSE STANDARD



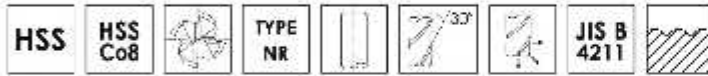
类型及规格 Type & Specifications



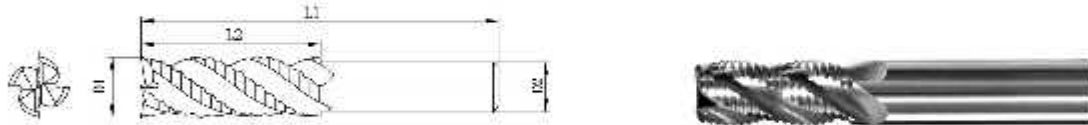
D1 k10	D2 h6	L2 js18	L1 js18	Flute No.	Order No. HSS	Order No. HSS-Co8	D1 k10	D2 h6	L2 js18	L1 js18	Flute No.	Order No. HSS	Order No. HSS-Co8
1	6	5	55	4	0110510510	0140540510	9.5	10	25	80	4	0110549010	0140549010
2	6	6	55	4	0110541010	0140541010	10	10	25	80	4	0110549410	0140549410
2.5	6	7	55	4	0110541410	0140541410	10.5	12	30	90	4	0110549810	0140549810
3	6	10	55	4	0110541810	0140541810	11	12	30	90	4	0110550210	0140550210
4	6	12	55	4	0110542210	0140542210	11.5	12	30	90	4	0110550610	0140550610
5	6	15	60	4	0110542610	0140542610	12	12	30	90	4	0110551010	0140551010
6	6	15	60	4	0110543010	0140543010	13	12	35	95	4	0110551410	0140551410
3.5	8	12	60	4	0110543410	0140543410	14	12	35	95	4	0110551810	0140551810
4	8	12	60	4	0110543810	0140543810	14	16	35	100	4	0110552210	0140552210
4.5	8	15	65	4	0110544210	0140544210	15	16	40	105	4	0110552610	0140552610
5	8	15	65	4	0110544610	0140544610	16	16	40	105	4	0110553010	0140553010
6.5	8	15	65	4	0110545010	0140545010	17	16	40	105	4	0110553410	0140553410
6	8	15	65	4	0110545410	0140545410	18	16	40	105	4	0110553810	0140553810
7	8	20	70	4	0110545810	0140545810	19	20	45	115	4	0110554210	0140554210
8	8	20	70	4	0110546210	0140546210	20	20	45	115	4	0110554610	0140554610
6.5	10	20	75	4	0110546610	0140546610	21	20	45	115	4	0110555010	0140555010
7	10	20	75	4	0110547010	0140547010	22	20	45	115	4	0110555410	0140555410
7.5	10	20	75	4	0110547410	0140547410	23	25	50	125	4	0110555810	0140555810
8	10	21	75	4	0110547810	0140547810	24	25	50	125	4	0110556210	0140556210
8.5	10	25	80	4	0110548210	0140548210	25	25	50	125	4	0110556610	0140556610
9	10	25	80	4	0110548610	0140548610							

JIS end mills

粗牙波刃标准型/ROUGHING END MILLS 4F STANDARD TYPE NR



类型及规格 Type & Specifications

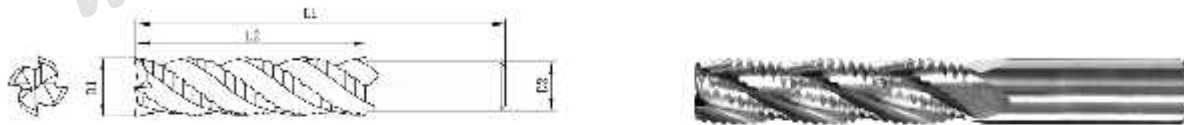


D1 js14	D2 h6	L2 js18	L1 js18	Flute No.	Order No. HSS	Order No. HSS-Co8	D1 js14	D2 h6	L2 js18	L1 js18	Flute No.	Order No. HSS	Order No. HSS-Co8
6	6	15	60	4	0310561010	0340561010	28	25	55	125	4	0310567010	0340567010
8	8	20	70	4	0310561510	0340561510	30	25	55	125	4	0310567510	0340567510
10	10	25	80	4	0310562010	0340562010	32	32	60	145	4	0310568010	0340568010
12	12	30	90	4	0310562510	0340562510	34	32	60	145	4	0310568510	0340568510
14	12	35	95	4	0310563010	0340563010	36	32	65	150	4	0310569010	0340569010
16	16	40	105	4	0310563510	0340563510	38	32	65	150	4	0310569510	0340569510
18	16	40	105	4	0310564010	0340564010	40	32	65	150	4	0310570010	0340570010
20	20	45	115	4	0310564510	0340564510	42	42	70	160	4	0310570510	0340570510
22	20	45	115	4	0310565010	0340565010	48	42	70	160	4	0310571010	0340571010
24	25	50	125	4	0310565510	0340565510	48	42	75	165	4	0310571510	0340571510
25	25	50	125	4	0310566010	0340566010	50	42	75	165	4	0310572010	0340572010
26	25	50	125	4	0310566510	0340566510							

粗牙波刃加长型/ROUGHING END MILLS 4F LONG LENGTH TYPE NR



类型及规格 Type & Specifications



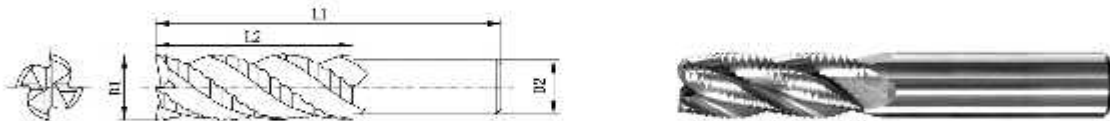
D1 js14	D2 h6	L2 js18	L1 js18	Flute No.	Order No. HSS	Order No. HSS-Co8	D1 js14	D2 h6	L2 js18	L1 js18	Flute No.	Order No. HSS	Order No. HSS-Co8
6	6	25	75	4	0312675010	0342675010	25	25	90	165	4	0312684010	0342684010
8	8	35	85	4	0312676010	0342676010	30	25	90	165	4	0312686010	0342686010
10	10	45	100	4	0312677010	0342677010	32	32	95	195	4	0312687010	0342687010
12	12	55	115	4	0312678010	0342678010	36	32	105	205	4	0312688010	0342688010
16	16	65	130	4	0312679010	0342679010	40	32	105	205	4	0312689010	0342689010
18	16	65	130	4	0312681010	0342681010	50	42	125	235	4	0312690010	0342690010
20	20	75	145	4	0312682010	0342682010							

JIS end mills

细牙波刃标准型/ROUGHING END MILLS 4F STANDARD TYPE HR



类型及规格 Type & Specifications

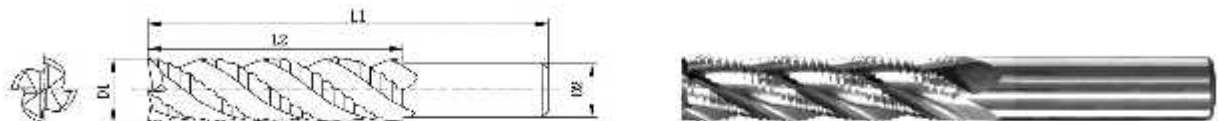


D1 js14	D2 h6	L2 js18	L1 js18	Flute No.	Order No. HSS	Order No. HSS-Co8	D1 js14	D2 h6	L2 js18	L1 js18	Flute No.	Order No. HSS	Order No. HSS-Co8
6	6	15	60	4	0310561010	0340561010	28	25	55	125	4	0310567010	0340567010
8	8	20	70	4	0310561510	0340561510	30	25	55	125	4	0310567510	0340567510
10	10	26	80	4	0310562010	0340562010	32	32	60	145	4	0310568010	0340568010
12	12	30	90	4	0310562510	0340562510	34	32	60	145	4	0310568510	0340568510
14	12	35	100	4	0310563010	0340563010	36	32	65	150	4	0310569010	0340569010
16	16	40	105	4	0310563510	0340563510	38	32	65	150	4	0310569510	0340569510
18	16	40	105	4	0310564010	0340564010	40	32	65	150	4	0310570010	0340570010
20	20	45	115	4	0310564510	0340564510	42	42	70	180	4	0310570510	0340570510
22	20	45	115	4	0310565010	0340565010	45	42	70	180	4	0310571010	0340571010
24	25	50	125	4	0310565510	0340565510	48	42	75	185	4	0310571510	0340571510
25	25	50	125	4	0310566010	0340566010	50	42	75	185	4	0310572010	0340572010
26	25	50	125	4	0310566510	0340566510							

细牙波刃加长型/ROUGHING END MILLS 4F LONG LENGTH TYPE HR



类型及规格 Type & Specifications



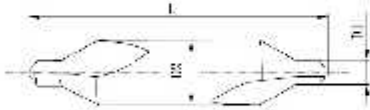
D1 js14	D2 h6	L2 js18	L1 js18	Flute No.	Order No. HSS	Order No. HSS Co8	D1 js14	D2 h6	L2 js18	L1 js18	Flute No.	Order No. HSS	Order No. HSS Co8
6.0	6	25	75	4	0312675010	0342675010	25.0	25	90	165	4	0312684010	0342684010
8.0	8	35	85	4	0312676010	0342676010	30.0	25	90	165	4	0312686010	0342686010
10.0	10	45	100	4	0312677010	0342677010	32.0	32	95	195	4	0312687010	0342687010
12.0	12	55	115	4	0312678010	0342678010	36.0	32	105	205	4	0312682010	0342682010
16.0	16	85	130	4	0312679010	0342679010	40.0	32	105	205	4	0312682010	0342682010
18.0	16	85	130	4	0312681010	0342681010	50.0	42	125	235	4	0312682010	0342682010
20.0	20	75	145	4	0312682010	0342682010							

HSS center drills

60° 普通型/60° PLAIN TYPE

HSS	HSS Co5		FORM A	Length N	ANSI B94.11M
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类型及规格 Type & Specifications

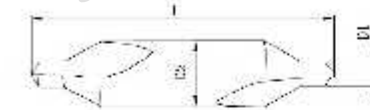


Size	Body Dia	Drill Dia	Overall Length	Order No. HSS	Order No. HSS-Co5	Size	Body Dia	Drill Dia	Overall Length	Order No. HSS	Order No. HSS-Co5
0#	1/8	1/32	1-1/4	2410000520	2410100520	5#	7/16	3/16	2-3/4	2410003520	2410103520
1#	1/8	3/64	1-1/4	2410001020	2410101020	6#	1/2	7/32	3	2410004020	2410104020
2#	5/16	5/64	1-7/8	2410001520	2410101520	7#	5/8	1/4	3-1/4	2410004520	2410104520
3#	1/4	7/64	2	2410002020	2410102020	8#	3/4	5/16	3-1/2	2410005020	2410105020
4#	5/16	1/8	2-1/8	2410002520	2410102520	9#	7/8	11/32	3-5/8	2410005520	2410105520
4-1/2#	3/8	9/64	2-1/2	2410003020	2410103020	10#	1	3/8	3-3/4	2410006020	2410106020

90° 普通型/90° PLAIN TYPE

HSS	HSS Co5		FORM A	Length N	ANSI B94.11M
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类型及规格 Type & Specifications



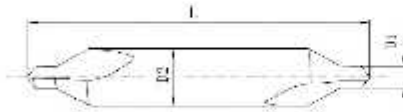
Size	Body Dia	Drill Dia	Overall Length	Order No. HSS	Order No. HSS-Co5	Size	Body Dia	Drill Dia	Overall Length	Order No. HSS	Order No. HSS-Co5
0#	1/8	1/32	1-1/4	2410007020	2410107020	5#	7/16	3/16	2-3/4	2410010020	2410110020
1#	1/8	3/64	1-1/4	2410007520	2410107520	6#	1/2	7/32	3	2410010520	2410110520
2#	5/16	5/64	1-7/8	2410008020	2410108020	7#	5/8	1/4	3-1/4	2410011020	2410111020
3#	1/4	7/64	2	2410008520	2410108520	8#	3/4	5/16	3-1/2	2410011520	2410111520
4#	5/16	1/8	2-1/8	2410009020	2410109020	9#	7/8	11/32	3-5/8	2410012020	2410112020
4-1/2#	3/8	9/64	2-1/2	2410009520	2410109520	10#	1	3/8	3-3/4	2410012520	2410112520

HSS center drills

60° 加长型/60° LONG LENGTH

HSS	HSS Co5		FORM A	Length N	ANSI 894.11M
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类型及规格 Type & Specifications



Body Dia.	Drill Dia.	Overall Length	Order No. HSS	Order No. HSS-Co5	Body Dia.	Drill Dia.	Overall Length	Order No. HSS	Order No. HSS-Co5
1/8	3/64	3	2410013020	2410113020	5/16	1/8	6	2410026020	2410126020
1/8	3/64	4	2410013520	2410113520	5/16	1/8	6	2410027020	2410127020
1/8	3/64	5	2410014020	2410114020	3/8	9/64	4	2410028020	2410128020
1/8	3/64	8	2410015020	2410115020	3/8	9/64	5	2410029020	2410129020
3/16	5/64	4	2410016020	2410116020	3/8	9/64	6	2410030020	2410130020
3/16	5/64	5	2410017020	2410117020	7/16	3/16	4	2410031020	2410131020
3/16	5/64	6	2410018020	2410118020	7/16	3/16	5	2410032020	2410132020
3/16	5/64	6	2410019020	2410119020	7/16	3/16	6	2410033020	2410133020
1/4	7/64	4	2410020020	2410120020	1/2	7/32	5	2410034020	2410134020
1/4	7/64	5	2410021020	2410121020	1/2	7/32	6	2410035020	2410135020
1/4	7/64	6	2410022020	2410122020	1/2	7/32	6	2410036020	2410136020
1/4	7/64	8	2410023020	2410123020	5/8	1/4	6	2410037020	2410137020
5/16	1/8	4	2410024020	2410124020	3/4	5/16	6	2410038020	2410138020
5/16	1/8	5	2410025020	2410125020					

60° R型/60° TYPE R

HSS	HSS Co5		FORM R	Length N	ANSI 894.11M
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类型及规格 Type & Specifications



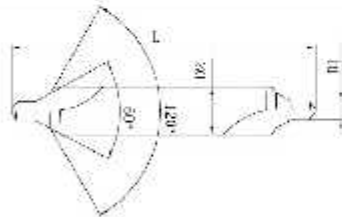
Size	Body Dia.	Drill Dia.	Overall Length	Order No. HSS	Order No. HSS-Co5	Size	Body Dia.	Drill Dia.	Overall Length	Order No. HSS	Order No. HSS-Co5
1#	1/8	3/64	1-1/4	2410039020	2410139020	6#	1/2	7/32	3	2410045020	2410145020
2#	3/16	5/64	1-7/8	2410040020	2410140020	7#	5/8	1/4	3-1/4	2410046020	2410146020
3#	1/4	7/64	2	2410041020	2410141020	8#	3/4	5/16	3-1/2	2410047020	2410147020
4#	5/16	1/8	2-1/8	2410042020	2410142020	9#	7/8	11/32	3-5/8	2410048020	2410148020
4-1/2#	3/8	9/64	2-1/2	2410043020	2410143020	10#	1	3/8	3-3/4	2410049020	2410149020
5#	7/16	3/16	2-3/4	2410044020	2410144020						

HSS center drills

护锥型/ BELL TYPE

HSS	HSS Co5		FORM B	Length N	ANSI B94.11M
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类型及规格 Type & Specifications



Size	Body Dia.	Drill Dia.	Overall Length	Order No. HSS	Order No. HSS-Co5	Size	Body Dia.	Drill Dia.	Overall Length	Order No. HSS	Order No. HSS-Co5
11#	1/8	3/64	1-1/4	2410050020	2410150020	18#	1/2	3/16	3	2410055020	2410155020
12#	3/16	1/16	1-7/8	2410051020	2410151020	17#	5/8	7/32	3-1/4	2410056020	2410156020
13#	1/4	3/32	2	2410052020	2410152020	18#	3/4	1/4	3-1/2	2410057020	2410157020
14#	5/16	7/64	2-1/8	2410053020	2410153020	19#	7/8	5/16	3-5/8	2410058020	2410158020
15#	7/16	5/32	2-3/4	2410054020	2410154020	20#	1	3/8	3-3/4	2410059020	2410159020

60° R型/60° TYPE R

HSS	HSS Co5		FORM R	Length N	DIN 333
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类型及规格 Type & Specifications



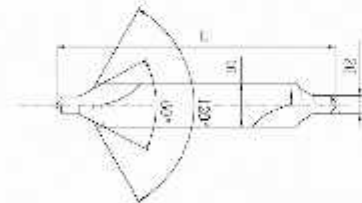
Drill Dia.	Body Dia.	Overall Length	Order No. HSS	Order No. HSS-Co5	Drill Dia.	Body Dia.	Overall Length	Order No. HSS	Order No. HSS-Co5
0.5	3.15	25	2420042020	2420142020	2.5	10	56	2420050020	2420160020
0.75	3.5	25	2420043020	2420143020	3	8	50	2420061020	2420161020
0.75	4	35	2420044020	2420144020	3	10	55	2420062020	2420162020
0.8	3.15	25	2420045020	2420145020	3.15	8	50	2420063020	2420163020
1	3.15	31.5	2420046020	2420146020	3.15	11.2	60	2420064020	2420164020
1	4	35	2420047020	2420147020	4	10	55	2420065020	2420165020
1	6	45	2420048020	2420148020	4	12	63	2420066020	2420166020
1.25	3.15	31.5	2420049020	2420149020	4	14	67	2420067020	2420167020
1.25	5	40	2420050020	2420150020	5	12	63	2420068020	2420168020
1.5	5	40	2420051020	2420151020	5	14	71	2420069020	2420169020
1.5	8	50	2420052020	2420152020	5	16	75	2420070020	2420170020
1.6	4	35	2420053020	2420153020	6	18	80	2420071020	2420171020
1.6	6.3	45	2420054020	2420154020	6.3	16	71	2420072020	2420172020
2	5	40	2420055020	2420155020	6.3	20	80	2420073020	2420173020
2	6	45	2420056020	2420156020	8	20	80	2420074020	2420174020
2	8	50	2420057020	2420157020	10	25	100	2420075020	2420175020
2.5	6.3	45	2420058020	2420158020	12.5	31.5	125	2420076020	2420176020
2.5	8	50	2420059020	2420159020					

HSS center drills

护锥型/ BELL TYPE



类型及规格 Type & Specifications



Drill Dia.	Body Dia.	Overall Length	Order No. HSS	Order No. HSS-Co5	Drill Dia.	Body Dia.	Overall Length	Order No. HSS	Order No. HSS-Co5
0.5	3.15	25	2420077020	2420177020	2.5	8	50	2420085520	2420185520
0.75	3.5	25	2420077520	2420177520	2.5	10	55	2420086020	2420186020
0.75	4	35	2420079020	2420178020	3	8	50	2420086520	2420186520
0.8	3.15	25	2420079520	2420178520	3	10	55	2420087020	2420187020
1	3.15	31.5	2420079020	2420179020	3.15	8	50	2420087520	2420187520
1	4	35	2420079520	2420179520	3.15	11.2	60	2420088020	2420188020
1	6	45	2420080020	2420180020	4	10	55	2420088520	2420188520
1.25	3.15	31.5	2420080520	2420180520	4	12	63	2420089020	2420189020
1.25	5	40	2420081020	2420181020	4	14	67	2420089520	2420189520
1.5	5	40	2420081520	2420181520	5	12	63	2420090020	2420190020
1.5	8	50	2420082020	2420182020	5	14	71	2420090520	2420190520
1.6	4	35	2420082520	2420182520	5	18	75	2420091020	2420191020
1.6	6.3	45	2420083020	2420183020	6	18	80	2420091520	2420191520
2	5	40	2420083520	2420183520	6.3	16	71	2420092020	2420192020
2	6	45	2420084020	2420184020	6.3	20	80	2420092520	2420192520
2	8	50	2420084520	2420184520	8	20	80	2420093020	2420193020
2.5	6.3	45	2420085020	2420185020	10	25	100	2420093520	2420193520

60° 普通型/60° PLAIN TYPE



类型及规格 Type & Specifications



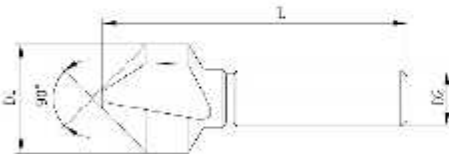
Drill Dia.	Body Dia.	Overall Length	Order No. HSS	Order No. HSS-Co5	Drill Dia.	Body Dia.	Overall Length	Order No. HSS	Order No. HSS-Co5
0.5	3.15	25	2420001020	2420101020	3	8	50	2420017020	2420117020
0.63	3.15	25	2420002020	2420102020	3	10	55	2420018020	2420118020
0.75	3.5	35	2420003020	2420103020	3.15	8	50	2420019020	2420119020
0.8	3.15	25	2420004020	2420104020	3.15	10	56	2420020020	2420120020
1	3.15	31	2420005020	2420105020	4	10	55	2420021020	2420121020
1	4	35	2420006020	2420106020	4	12	63	2420022020	2420122020
1.25	3.15	31	2420007020	2420107020	4	12.5	63	2420023020	2420123020
1.25	4	35.5	2420008020	2420108020	5	12	63	2420024020	2420124020
1.5	5	40	2420009020	2420109020	5	12.5	63	2420025020	2420125020
1.6	4	35	2420010020	2420110020	5	14	71	2420026020	2420126020
1.6	5	40	2420011020	2420111020	6	18	80	2420027020	2420127020
2	5	40	2420012020	2420112020	6.3	16	71	2420028020	2420128020
2	6	45	2420013020	2420113020	8	20	80	2420029020	2420129020
2	6.3	45	2420014020	2420114020	10	25	100	2420030020	2420130020
2.5	6.3	45	2420015020	2420115020	12.5	31.5	125	2420031020	2420131020

HSS countersink

90° 单齿直柄/90° SINGLE FLUTE STRAIGHT SHANK



类型及规格 Type & Specifications

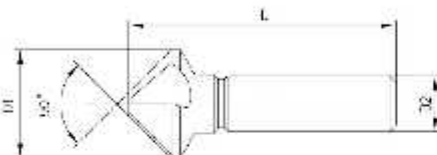


Size	Shank Dia.	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co5	Size	Shank Dia.	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co5
4.3	4	40	1	2210101020	2210121020	11.5	8	58	1	2210108020	2210128020
5	4	40	1	2210101520	2210121520	12.4	8	58	1	2210109020	2210129020
5.3	4	40	1	2210102020	2210122020	13.4	8	58	1	2210109520	2210129520
5.8	5	45	1	2210103020	2210123020	15	10	60	1	2210110520	2210130520
6	5	45	1	2210103520	2210123520	16.5	10	60	1	2210111520	2210131520
6.3	5	45	1	2210104020	2210124020	19	10	60	1	2210112020	2210132020
7	6	50	1	2210104520	2210124520	20.5	10	60	1	2210112520	2210132520
7.3	6	50	1	2210105020	2210125020	23	10	60	1	2210113020	2210133020
8	6	50	1	2210105520	2210125520	25	10	60	1	2210113520	2210133520
8.3	6	50	1	2210106020	2210126020	26	10	60	1	2210114020	2210134020
9.4	6	50	1	2210106520	2210126520	28	12	71	1	2210114520	2210134520
10	6	50	1	2210107020	2210127020	30	12	71	1	2210115020	2210135020
10.4	6	50	1	2210107520	2210127520	31	12	71	1	2210115520	2210135520

90° 三齿直柄/90° THREE FLUTE STRAIGHT SHANK



类型及规格 Type & Specifications



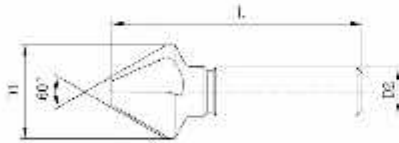
Size	Shank Dia.	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co5	Size	Shank Dia.	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co5
4.3	4	40	3	2210350020	2210380020	12	8	58	3	2210354520	2210384520
5	4	40	3	2210350320	2210380320	12.4	8	58	3	2210354820	2210384820
5.3	4	40	3	2210350620	2210380620	14.4	8	58	3	2210355420	2210385420
5.8	5	45	3	2210350920	2210380920	15	10	60	3	2210355720	2210385720
6	5	45	3	2210351220	2210381220	16	6	60	3	2210356020	2210386020
6	5	45	3	2210351520	2210381520	16.5	10	60	3	2210356320	2210386320
6.3	5	45	3	2210351820	2210381820	19	10	60	3	2210356620	2210386620
7	6	50	3	2210352120	2210382120	20.5	10	60	3	2210356920	2210386920
7.3	6	50	3	2210352420	2210382420	23	10	60	3	2210357220	2210387220
8	6	50	3	2210352720	2210382720	25	10	60	3	2210357520	2210387520
8.3	6	50	3	2210353020	2210383020	26	10	60	3	2210357820	2210387820
9.4	6	50	3	2210353320	2210383320	28	12	71	3	2210358120	2210388120
10	6	50	3	2210353620	2210383620	30	12	71	3	2210358420	2210388420
10.4	6	50	3	2210353920	2210383920	31	12	71	3	2210358720	2210388720
11.5	8	58	3	2210354220	2210384220	31.5	12	71	3	2210359020	2210389020

HSS countersink

60° 三齿直柄/60° THREE FLUTE STRAIGHT SHANK



类型及规格 Type & Specifications

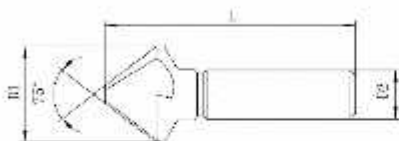


Size	Shank Dia.	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co5	Size	Shank Dia.	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co5
4.3	4	40	3	2210301020	2210321020	12.4	8	56	3	2210308020	2210329020
5	4	40	3	2210301520	2210321520	13.4	8	56	3	2210309520	2210329520
5.3	4	40	3	2210302020	2210322020	14.4	8	56	3	2210310020	2210330020
5.6	5	45	3	2210302520	2210322520	15	10	60	3	2210310520	2210330520
5.8	5	45	3	2210303020	2210323020	16	6	60	3	2210311020	2210331020
6	5	45	3	2210303520	2210323520	16.5	10	60	3	2210311520	2210331520
6.3	5	45	3	2210304020	2210324020	18	10	60	3	2210312020	2210332020
7	6	50	3	2210304520	2210324520	20.5	10	60	3	2210312520	2210332520
7.3	6	50	3	2210305020	2210325020	23	10	60	3	2210313020	2210333020
8	6	50	3	2210305520	2210325520	25	10	60	3	2210313520	2210333520
8.3	6	50	3	2210306020	2210326020	26	10	60	3	2210314020	2210334020
9.4	6	50	3	2210306520	2210326520	28	12	71	3	2210314520	2210334520
10	6	50	3	2210307020	2210327020	30	12	71	3	2210315020	2210335020
10.4	6	50	3	2210307520	2210327520	31	12	71	3	2210315520	2210335520
11.5	8	56	3	2210308020	2210328020	31.5	12	71	3	2210316020	2210336020
12	8	56	3	2210308520	2210328520						

75° 三齿直柄/75° THREE FLUTE STRAIGHT SHANK



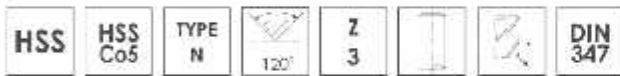
类型及规格 Type & Specifications



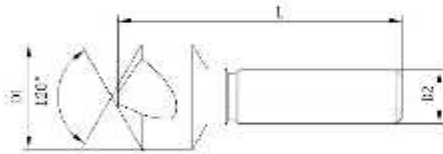
Size	Shank Dia.	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co5	Size	Shank Dia.	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co5
6.3	5	46	3	2211360020	2210390020	16.5	10	61	3	2211364020	2210394020
8.3	6	50	3	2211361020	2210391020	20.5	10	65	3	2211365020	2210395020
10.4	6	51	3	2211362020	2210392020	25	10	69	3	2211366020	2210396020
12.4	8	55	3	2211363020	2210393020						

HSS countersink

120° 三齿直柄 / 120° THREE FLUTE STRAIGHT SHANK

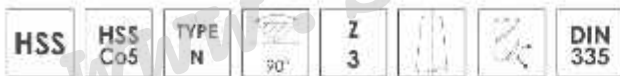


类型及规格 Type & Specifications

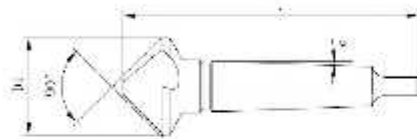


Size	Shank Dia.	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co5	Size	Shank Dia.	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co5
6.3	5	44	3	2211370020	2210400020	16.5	10	56	3	2211374020	2210404020
6.3	6	48.5	3	2211371020	2210401020	20.5	10	59	3	2211375020	2210405020
10.4	6	50	3	2211372020	2210402020	25	10	61	3	2211376020	2210406020
12.4	8	53	3	2211373020	2210403020						

90° 三齿锥柄 / 90° THREE FLUTE TAPER SHANK



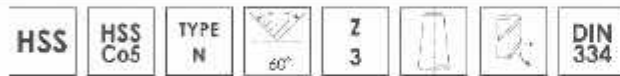
类型及规格 Type & Specifications



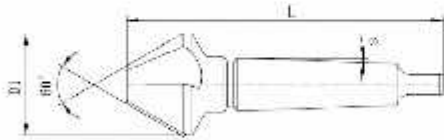
Size	Morse Taper	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co5	Size	Morse Taper	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co5
15	1	85	3	2212360020	2212370020	31	2	112	3	2212360920	2212370920
16.5	1	85	3	2212360120	2212370120	34	2	118	3	2212361020	2212371020
19	2	100	3	2212360220	2212370220	37	2	118	3	2212361120	2212371120
20.5	2	100	3	2212360320	2212370320	40	3	140	3	2212361220	2212371220
23	2	106	3	2212360420	2212370420	50	3	150	3	2212361320	2212371320
25	2	106	3	2212360520	2212370520	63	4	180	3	2212361420	2212371420
26	2	106	3	2212360620	2212370620	80	4	190	3	2212361520	2212371520
28	2	112	3	2212360720	2212370720	100	4	200	3	2212361620	2212371620
30	2	112	3	2212360820	2212370820						

HSS countersink

60° 三齿锥柄/60° THREE FLUTE TAPER SHANK



类型及规格 Type & Specifications

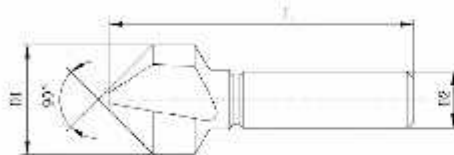


Size	Morse Taper	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co5	Size	Morse Taper	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co5
16	1	90	3	2212331140	2212341140	40	3	150	3	2212332240	2212342240
20	2	108	3	2212331440	2212341440	50	3	180	3	2212332340	2212342340
25	2	112	3	2212331540	2212341540	63	4	190	3	2212332440	2212342440
31.5	2	150	3	2212331940	2212341940	80	4	200	3	2212332540	2212342540

90° 单齿直柄/90° SINGLE FLUTE STRAIGHT SHANK



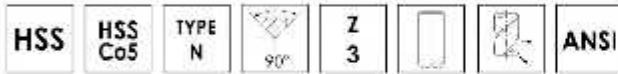
类型及规格 Type & Specifications



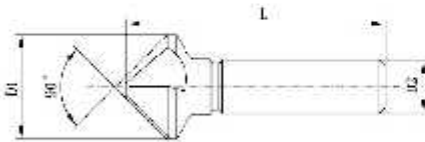
Size	Shank Dia.	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co5	Size	Shank Dia.	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co5
1/8	1/8	1-1/2	1	2210160920	2210370020	7/8	1/2	3-1/2	1	2210166020	2210371120
3/16	3/16	1-1/2	1	2210161020	2210370120	1	1/2	2-3/4	1	2210166520	2210371220
1/4	3/16	2	1	2210161520	2210370220	1-1/4	1/2	3	1	2210167020	2210371320
1/4	1/4	2	1	2210162020	2210370320	1-1/4	3/4	3	1	2210167520	2210371420
5/16	1/4	2	1	2210162520	2210370420	1-1/2	1/2	3-1/2	1	2210168020	2210371520
3/8	1/4	2	1	2210163020	2210370520	1-1/2	3/4	3-1/2	1	2210168520	2210371620
1/2	1/4	2	1	2210163520	2210370620	1-3/4	3/4	3-1/2	1	2210169020	2210371720
5/8	1/4	2-1/4	1	2210164020	2210370720	2	3/4	3-3/4	1	2210169520	2210371820
5/8	1/2	2-1/4	1	2210164520	2210370820	2-1/2	3/4	5	1	2210170020	2210371920
3/4	3/8	2-3/4	1	2210165020	2210370920	3	3/4	5-1/4	1	2210170520	2210372020
3/4	1/2	3-3/4	1	2210165520	2210371020						

HSS countersink

90° 三齿直柄/90° THREE FLUTE STRAIGHT SHANK



类型及规格 Type & Specifications

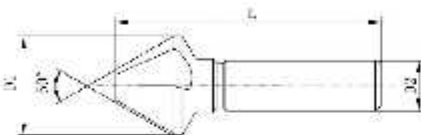


Size	Shank Dia.	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co5	Size	Shank Dia.	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co5
1/4	1/4	1-1/4	3	2213370020	2213380020	1	1/2	2-3/4	3	2213371020	2213381020
1/4	3/16	2	3	2213370120	2213380120	1	1/2	3-1/4	3	2213371120	2213381120
3/8	1/4	1-5/8	3	2213370220	2213380220	1-1/8	1/2	3-1/4	3	2213371220	2213381220
3/8	1/4	2	3	2213370320	2213380320	1-1/4	1/2	3	3	2213371320	2213381320
1/2	1/4	2	3	2213370420	2213380420	1-1/4	5/8	3-1/2	3	2213371420	2213381420
1/2	3/8	2	3	2213370520	2213380520	1-1/2	3/4	3-1/2	3	2213371520	2213381520
5/8	1/4	2-1/4	3	2213370620	2213380620	1-1/2	3/4	3-7/8	3	2213371620	2213381620
5/8	3/8	2-1/4	3	2213370720	2213380720	2	3/4	3-3/4	3	2213371720	2213381720
3/4	1/2	2-3/4	3	2213370820	2213380820	2	3/4	4-1/4	3	2213371820	2213381820
3/4	1/2	3	3	2213370920	2213380920						

60° 三齿直柄/60° THREE FLUTE STRAIGHT SHANK



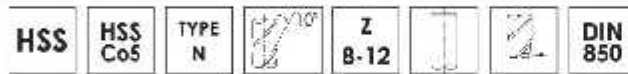
类型及规格 Type & Specifications



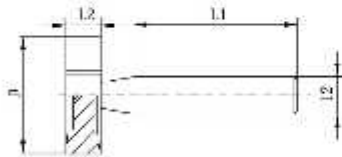
Size	Shank Dia.	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co5	Size	Shank Dia.	Overall Length	Flute No.	Order No. HSS	Order No. HSS-Co5
1/4	1/4	1-1/4	3	2213340920	2213350920	1	1/2	2-3/4	3	2213341920	2213351920
1/4	3/16	2	3	2213341020	2213351020	1	1/2	3-1/4	3	2213342020	2213352020
3/8	1/4	1-5/8	3	2213341120	2213351120	1-1/8	1/2	3-1/4	3	2213342120	2213352120
3/8	1/4	2	3	2213341220	2213351220	1-1/4	1/2	3	3	2213342220	2213352220
1/2	1/4	2	3	2213341320	2213351320	1-1/4	5/8	3-1/2	3	2213342320	2213352320
1/2	3/8	2	3	2213341420	2213351420	1-1/2	3/4	3-1/2	3	2213342420	2213352420
5/8	1/4	2-1/4	3	2213341520	2213351520	1-1/2	3/4	3-7/8	3	2213342520	2213352520
5/8	3/8	2-1/4	3	2213341620	2213351620	2	3/4	3-3/4	3	2213342620	2213352620
3/4	1/2	2-3/4	3	2213341720	2213351720	2	3/4	4-1/4	3	2213342720	2213352720
3/4	1/2	3	3	2213341820	2213351820						

HSS woodruff keyseat cutters

公制标准型 / METRIC STANDARD



类型及规格 Type & Specifications

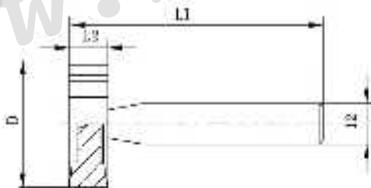


Cut Dia.	Face Width	Shank Dia.	Overall Length	Order No. HSS	Order No. HSS-Co5	Cut Dia.	Face Width	Shank Dia.	Overall Length	Order No. HSS	Order No. HSS-Co5
10	2.0	6	50	2810071020	2810171020	22	5.0	10	63	2810081020	2810181020
10	3.0	10	50	2810073020	2810173020	22	6.0	10	63	2810082020	2810182020
13	3.0	10	56	2810074020	2810174020	22	8.0	10	63	2810083020	2810183020
13	4.0	10	56	2810075020	2810175020	25	6.0	10	63	2810084020	2810184020
16	3.0	10	56	2810076020	2810176020	25	8.0	10	63	2810086020	2810186020
16	4.0	10	56	2810077020	2810177020	28	6.0	10	63	2810087020	2810187020
16	5.0	10	56	2810078020	2810178020	28	8.0	10	63	2810088020	2810188020
19	4.0	10	63	2810079020	2810179020	32	10.0	12	71	2810089020	2810189020
19	5.0	10	63	2810080020	2810180020	38	10.0	12	71	2810090020	2810190020

英制标准型 (1/2" 柄) / IMPERIAL STANDARD (1/2" SHANK)



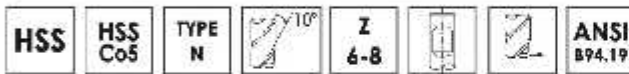
类型及规格 Type & Specifications



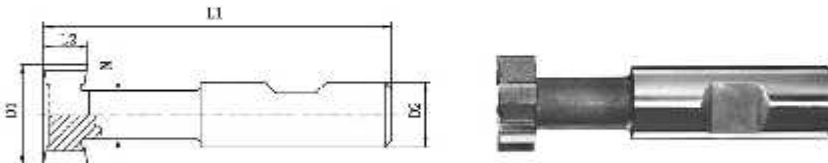
#	Cut Dia.	Face Width	Overall Length	Order No. HSS	Order No. HSS-Co5	#	Cut Dia.	Face Width	Overall Length	Order No. HSS	Order No. HSS-Co5
202	1/4	1/16	2-1/16	2810001020	2810101020	608	1	3/16	2-3/16	2810022020	2810122020
202-1/2	5/16	1/16	2-1/16	2810002020	2810102020	708	1	7/32	2-7/32	2810023020	2810123020
302-1/2	5/16	3/32	2-3/32	2810003020	2810103020	808	1	1/4	2-1/4	2810024020	2810124020
203	3/8	1/16	2-1/16	2810004020	2810104020	1008	1	5/16	2-5/16	2810025020	2810125020
303	3/8	3/32	2-3/32	2810005020	2810105020	1208	1	3/8	2-3/8	2810026020	2810126020
403	3/8	1/8	2-1/8	2810006020	2810106020	609	1-1/8	3/16	2-3/16	2810027020	2810127020
204	1/2	1/16	2-1/16	2810007020	2810107020	709	1-1/8	7/32	2-7/32	2810028020	2810128020
304	1/2	3/32	2-3/32	2810008020	2810108020	809	1-1/8	1/4	2-1/4	2810029020	2810129020
404	1/2	1/8	2-1/8	2810009020	2810109020	1009	1-1/8	5/16	2-5/16	2810030020	2810130020
305	5/8	3/32	2-3/32	2810010020	2810110020	610	1-1/4	3/16	2-3/16	2810031020	2810131020
405	5/8	1/8	2-1/8	2810011020	2810111020	710	1-1/4	7/32	2-7/32	2810032020	2810132020
505	5/8	5/32	2-5/32	2810012020	2810112020	810	1-1/4	1/4	2-1/4	2810033020	2810133020
605	5/8	3/16	2-3/16	2810013020	2810113020	1010	1-1/4	5/16	2-5/16	2810034020	2810134020
406	3/4	1/8	2-1/8	2810014020	2810114020	1210	1-1/4	3/8	2-3/8	2810035020	2810135020
506	3/4	5/32	2-5/32	2810015020	2810115020	811	1-3/8	1/4	2-1/4	2810036020	2810136020
606	3/4	3/16	2-3/16	2810016020	2810116020	1011	1-3/8	5/16	2-5/16	2810037020	2810137020
806	3/4	1/4	2-1/4	2810017020	2810117020	1211	1-3/8	3/8	2-3/8	2810038020	2810138020
507	7/8	5/32	2-5/32	2810018020	2810118020	812	1-1/2	1/4	2-1/4	2810039020	2810139020
607	7/8	3/16	2-3/16	2810019020	2810119020	1012	1-1/2	5/16	2-5/16	2810040020	2810140020
707	7/8	7/32	2-7/32	2810020020	2810120020	1212	1-1/2	3/8	2-3/8	2810041020	2810141020
807	7/8	1/4	2-1/4	2810021020	2810121020						

HSS T-slot cutters

英制标准型 / IMPERIAL STANDARD



类型及规格 Type & Specifications

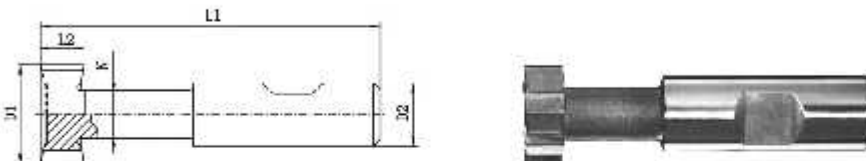


BOLT SIZE	D1 h12	L2 h12	N	D2 h8	L1 js18	Order No. HSS	Order No. HSS-Co5
1/4	9/16	15/64	17/64	1/2	2-19/32	2610010010	2620010010
5/16	21/32	17/64	21/64	1/2	2-11/16	2610011010	2620011010
3/8	25/32	21/64	13/32	3/4	3-1/4	2610012010	2620012010
1/2	31/32	25/64	17/32	3/4	3-7/16	2610013010	2620013010
5/8	1-1/4	31/64	21/32	1	3-15/16	2610014010	2620014010
3/4	1-15/32	5/8	25/32	1	4-7/16	2610015010	2620015010
1	1-27/32	53/64	1-1/32	1-1/4	4-13/16	2610016010	2620016010
1-1/4	2-7/32	1-3/32	1-9/32	1-1/4	5-3/8	2610017010	2620017010
1-1/2	2-21/32	1-11/32	1-17/32	1-1/4	5-29/32	2610018010	2620018010

公制标准型 / METRIC STANDARD



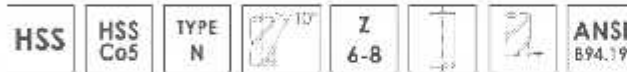
类型及规格 Type & Specifications



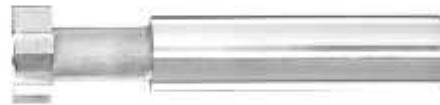
BOLT SIZE	D1 h12	L2 h12	N	D2 h8	L1 js18	Order No. HSS	Order No. HSS-Co5
5	11	4	4	10	53.5	2610070110	2620070110
6	12.5	6	5	10	57	2610071110	2620071110
8	16	8	7	10	62	2610072110	2620072110
10	18	8	8	12	70	2610073110	2620073110
12	21	9	10	12	74	2610074110	2620074110
14	25	11	12	16	82	2610075110	2620075110
16	28	12	12	16	82	2610076110	2620076110
18	32	14	15	16	90	2610077110	2620077110
20	36	16	19	25	108	2610078110	2620078110
22	40	18	19	25	108	2610079110	2620079110
24	45	20	25	32	124	2610080110	2620080110
28	50	22	25	32	124	2610081110	2620081110
36	60	28	30	32	139	2610082110	2620082110

HSS T-slot cutters

英制加长柄型 / IMPERIAL LONG SHANK



类型及规格 Type & Specifications



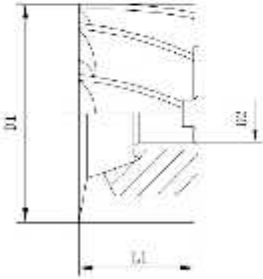
D1	L2	N	D2	L1	Order No.	Order No.
h12	h12		h8	js18	HSS	HSS-Co5
1	1/8	7/16	5/8	4-15/16	2610030110	2620030110
1	3/16	7/16	5/8	4-15/16	2610031110	2620031110
1	1/4	7/16	5/8	4-15/16	2610032110	2620032110
1	5/16	7/16	5/8	4-15/16	2610033110	2620033110
1	3/8	7/16	5/8	4-15/16	2610034110	2620034110
1	1/2	7/16	5/8	4-15/16	2610035110	2620035110
1	5/8	7/16	5/8	4-15/16	2610036110	2620036110
1-1/4	1/8	19/32	3/4	5-1/8	2610037110	2620037110
1-1/4	3/16	19/32	3/4	5-1/8	2610038110	2620038110
1-1/4	1/4	19/32	3/4	5-1/8	2610039110	2620039110
1-1/4	5/16	19/32	3/4	5-1/8	2610040110	2620040110
1-1/4	3/8	19/32	3/4	5-1/8	2610041110	2620041110
1-1/4	1/2	19/32	3/4	5-1/8	2610042110	2620042110
1-1/4	5/8	19/32	3/4	5-1/8	2610043110	2620043110
1-1/2	1/8	23/32	1	5-5/16	2610044110	2620044110
1-1/2	3/16	23/32	1	5-5/16	2610045110	2620045110
1-1/2	1/4	23/32	1	5-5/16	2610046110	2620046110
1-1/2	5/16	23/32	1	5-5/16	2610047110	2620047110
1-1/2	3/8	23/32	1	5-5/16	2610048110	2620048110
1-1/2	1/2	23/32	1	5-5/16	2610049110	2620049110
1-1/2	5/8	23/32	1	5-5/16	2610050110	2620050110
2	3/16	25/32	1	5-11/16	2610051110	2620051110
2	1/4	25/32	1	5-11/16	2610052110	2620052110
2	5/16	25/32	1	5-11/16	2610053110	2620053110
2	3/8	25/32	1	5-11/16	2610054110	2620054110
2	1/2	25/32	1	5-11/16	2610055110	2620055110
2	5/8	25/32	1	5-11/16	2610056110	2620056110
2	3/4	25/32	1	5-11/16	2610057110	2620057110
2-1/2	1/4	29/32	1	6-5/8	2610058110	2620058110
2-1/2	5/16	29/32	1	6-5/8	2610059110	2620059110
2-1/2	3/8	29/32	1	6-5/8	2610060110	2620060110
2-1/2	1/2	29/32	1	6-5/8	2610061110	2620061110
2-1/2	5/8	29/32	1	6-5/8	2610062110	2620062110
2-1/2	3/4	29/32	1	6-5/8	2610063110	2620063110
2-1/2	7/8	29/32	1	6-5/8	2610064110	2620064110
2-1/2	1	29/32	1	6-5/8	2610065110	2620065110

HSS shell end mills

公制标准型 / METRIC STANDARD

HSS	HSS Co8	TYPE N	Z 8-10			DIN 1880
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类型及规格 Type & Specifications

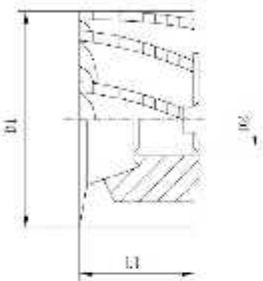


D1	L1	D2	Flute No.	Order No. HSS	Order No. HSS-Co8	D1	L1	D2	Flute No.	Order No. HSS	Order No. HSS-Co8
js12	k16	H7	8	2310801000	2310811000	js12	k16	H7	12	2311201000	2311211000
40	32	16	8	2310802000	2310812000	100	50	32	12	2311401000	2311411000
50	36	22	8	2311001000	2311011000	125	55	40	14	2311601000	2311611000
63	40	27	10	2311002000	2311012000	160	63	50	16		

公制粗牙波刃 / METRIC ROUGHING TYPE NR

HSS	HSS Co8	TYPE NR	Z 6-10			DIN 1880	
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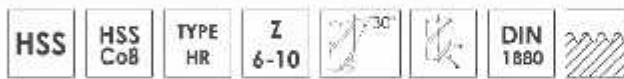
类型及规格 Type & Specifications



D1	L1	D2	Flute No.	Order No. HSS	Order No. HSS-Co8	D1	L1	D2	Flute No.	Order No. HSS	Order No. HSS-Co8
js14	k16	H7	6	2410601000	2410611000	js14	k16	H7	8	2410802000	2410812000
40	32	16	6	2410602000	2410612000	100	50	32	10	2411001000	2411011000
50	36	22	6	2410801000	2410811000	125	55	40	12	2411201000	2411211000
63	40	27	8								

HSS shell end mills

公制细牙波刃/METRIC ROUGHING TYPE HR



类型及规格 Type & Specifications

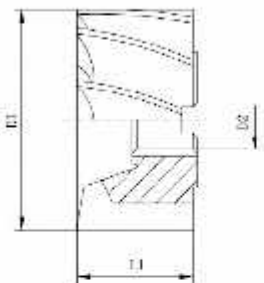


D1	L1	D2	Flute No.	Order No. HSS	Order No. HSS-Co8	D1	L1	D2	Flute No.	Order No. HSS	Order No. HSS-Co8
js14	k16	H7				js14	k16	H7			
40	32	16	6	2410641000	2410651000	80	45	27	8	2410842000	2410852000
50	36	22	6	2410642000	2410652000	100	50	32	10	2411041000	2411051000
63	40	27	8	2410841000	2410851000	125	66	40	12	2411241000	2411241000

英制标准型 / IMPERIAL STANDARD



类型及规格 Type & Specifications



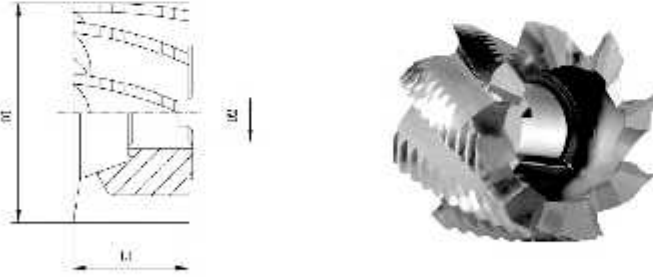
D1	L1	D2	Flute No.	Order No. HSS	Order No. HSS-Co8	D1	L1	D2	Flute No.	Order No. HSS	Order No. HSS-Co8
js12	k16	H7				js12	k16	H7			
1-1/4	1	1/2	6	2310641000	2310651000	2-3/4	2	1	10	2311046000	2311056000
1-1/2	1-1/8	1/2	8	2310841000	2310851000	3	1-3/4	1-1/4	10	2311047000	2311057000
1-3/4	1-1/4	3/4	8	2310842000	2310852000	3	2	1-1/4	10	2311048000	2311058000
2	1-3/8	3/4	8	2310843000	2310853000	3-1/2	1-7/8	1-1/4	10	2311049000	2311059000
2	2	3/4	8	2310844000	2310854000	3-1/2	2	1-1/4	10	2311049800	2311059800
2-1/4	1-1/2	1	10	2311041000	2311051000	4	2-1/4	1-1/2	12	2311241000	2311251000
2-1/4	2	1	10	2311042000	2311052000	4-1/2	2-1/4	1-1/2	12	2311242000	2311252000
2-1/2	1-5/8	1	10	2311043000	2311053000	5	2-1/4	1-1/2	14	2311441000	2311451000
2-1/2	2	1	10	2311044000	2311054000	5-1/2	2-1/4	2	14	2311442000	2311452000
2-3/4	1-5/8	1	10	2311045000	2311055000	6	2-1/4	2	16	2311641000	2311651000

HSS shell end mills

英制粗牙波刃/IMPERIAL ROUGHING TYPE NR



类型及规格 Type & Specifications



D1	L1	D2	Flute No.	Order No. HSS	Order No. HSS-Co8	D1	L1	D2	Flute No.	Order No. HSS	Order No. HSS-Co8
js14	k16	H7				js14	k16	H7			
1-1/4	1	1/2	5	2410651000	2410661000	2-3/4	2	1	10	2411056000	2411066000
1-1/2	1-1/8	1/2	9	2410851000	2410861000	3	1-3/4	1-1/4	10	2411057000	2411067000
1-3/4	1-1/4	3/4	8	2410852000	2410862000	3	2	1-1/4	10	2411058000	2411068000
2	1-3/8	3/4	9	2410852000	2410862000	3-1/2	1-7/8	1-1/4	10	2411059000	2411069000
2	2	3/4	9	2410852000	2410862000	3-1/2	2	1-1/4	10	2411059800	2411069800
2-1/4	1-1/2	1	10	2411051000	2411061000	4	2-1/4	1-1/2	12	2411251000	2411261000
2-1/4	2	1	10	2411052000	2411062000	4-1/2	2-1/4	1-1/2	12	2411252000	2411262000
2-1/2	1-5/8	1	10	2411053000	2411063000	5	2-1/4	1-1/2	14	2411451000	2411461000
2-1/2	2	1	10	2411054000	2411064000	5-1/2	2-1/4	2	14	2411452000	2411462000
2-3/4	1-5/8	1	10	2411055000	2411065000	6	2-1/4	2	16	2411651000	2411661000