



D=1,2 соотвествует обозначению 0120 D=0,2 соотвествует обозначению 0020 D=20,2 соотвествует обозначению 2020

#### **Bright finish**



Especially for the machining of wrought and cast aluminum alloys with a high silicon content, uncoated drills offer a very good machining performance. In order to counter adhesive (formation of built-up edges), these tools are optimally suited to this field of application thanks to a special geometry combined with a high surface quality in the point thinning, flute and clearance areas.

#### TiN coating





Max. application temperature: <600° C

Color: Golden yellow Structure: Single-layer Hardness: 2300 HV0.05

Introduced by Guhring at the beginning of the 1980's, TiN-coating is applied to HSS and carbide for drilling operations as a cost-efficient

general purpose coating.

#### H-nano coating





Max. application temperature: <800° C

Color: Violet

Structure: Multi-layer Hardness: 3300 HV0.05

H-nano coatings contain aluminum, titanium and nitrogen. These coatings were introduced towards the end of the 1990's and are a further development of the TiN-coating. They excel thanks to increased hardness and good thermochemical resistance, they are suitable for HSS and

carbide.

#### **TiAIN** coating





Max. application temperature: <800° C

Color: Violet

Structure: Single-layer Hardness: 3300 HV0.05

The TiAIN coating displays similar characteristics to FIREX and nano-FIREX and with its single-layer structure is mostly applied in

the field of micro-precision drills.

#### nano-a coating





Max. application temperature: <900° C

Color: Blue violet

Structure: Multi-layer, nano-structured

Hardness: 3300 HV0.05

TiAIN based nano-a has proven itself in the machining of stainless steels and is suitable for drilling cast iron, nickel based alloys and cobalt chrome alloys. Thanks to its nano-layered structure the fracture growth is delayed. Furthermore, thanks to its adapted composition it possesses a higher thermochemical resistance than for example TiAIN.

#### nano-Si coating





Max. application temperature: <800° C

Color: Bronze

Structure: Multi-layered nano-composite

Hardness: 5500 HV0.05

The nano-Si coating belongs to the group of Nano-composites. The micro-structure features extremely fine TiAlN nano-crystals bedded into a glass-like, high temperature resistant silicon nitride matrix. This results in a high hardness especially making the nano-Si coating the first choice for

hardened steels and cast materials.

PMKNSH	刀具外观	钻深	柄部形式	标准	材质	涂层	直径范围	订货号	参数	页数
内冷钻头										
• 0 • 0 0		3xD	НА	6537 K	VHM	H	3.000 - 20.000	6511	64	09
• 0 • 0 0 0		3xD	HE	DIN 6537 K	VНM	H	3.000 - 20.000	6611	64	09
	5454	3xD	НА	6537K	VHM	0	3.000 - 20.000	6527	64	12
=		ЗхD	HE	6537 K	VНМ	<b>a</b>	3.000 - 20.000	6529	64	12
• 0 • 0 0 0		5xD	НА	DIN 6537L	VHM	lacksquare	3.000 - 20.000	6512	64	15
• 0 • 0 0 0		5xD	HE	DIN 6537L	VHM	H	3.000 - 20.000	6612	64	15
• 0 • 0 0 =		5xD	Внв	6537L	VНМ	<b>(H)</b>	3.000 - 20.000	6651	64	15
=		5xD	НА	DIN 6537L	VHM	<b>a</b>	3.000 - 20.000	6581	64	19
=	-	5xD	HE	DIN 6537L	VНМ	<b>a</b>	3.000 - 20.000	6582	64	19
• 0 • 0 0	-	7xD	НА	WN	VНМ	H	3.000 - 20.000	6513	64	22
		7xD	HE	WN	VHM	H	3.000 - 20.000	6613	64	22
• 0 • 0 0 =		12xD	НА	WN	VНМ	H	3.000 - 20.000	6526	64	25
		10xD	НА	WN	VНМ	0	3.000 - 16.000	6514	64	28
外冷钻头										
• • • • • •	2000	3xD	НА	6537 K	VHM	H	3.000 - 20.000	6515	64	30
• 0 • 0 0 0		3xD	HE	DIN 6537 K	VHM	H	3.000 - 20.000	6615	64	30
	-	5xD	НА	DIN 6537L	VНM	H	3.000 - 20.000	6516	64	33
• 0 • 0 0 0	-	5xD	HE	6537 L	<b>VHM</b>	H	3.000 - 20.000	6616	64	33
• 0 • 0 0 0		5xD	НВ	D1N 6537L	VНМ	H	3.000 - 20.000	6652	64	33
三刃钻										
	-3000	5xD	НА	6537L	VHM	0	3.000 - 20.000	6519	64	36
工具钻		<u> </u>		Pine						
00000		3xD	Суі	DIN 6539	VHM	0	2.000 - 12.000		66	38
	- Conflict	~3xD	Cyl	1897	HSCO	0	1.000 - 14.000	6525	66	40
03	1000	~3xD	Су	1897	HSCO	S	1.000 - 14,000	6521	66	40



PMKNSH	刀具外观	齿数 进	给 柄部 句 形式	切割 对长	流 涂层	直径范围	订货号	参数	页数
GF100U									
• a • a =		4	→ THB	VH	M (H)	6.000 - 20.000	6535	95	69
• • • • =	-222	4	HA HA	××××× VH	М	4.000 - 25.000	6736	95	70
	-	4	<b>→</b> Внв	ssss: VH	M 📵	4.000 - 25.000	6536	95	70
=	12/03/0		на Пна	VH	М	10.000 - 25.000	6583	95	71
GF100VA									
••••	-300	4	HA HA	××××××	<b>M 3</b>	3.000 - 25.000	6654	95	72
•• • =	-300	4	÷ Пнв	ssss VH	M (1)	3.000 - 25.000	6655	95	72
GF100A									
. =	73	3	<b>.</b> НВ	SSSS VH	М	3.000 - 20.000	6656	95	73
GA100U									
•••• =	====	3	d □ HA	VH	M (II)	3.000 - 20.000	6506	93	74
• • • • •	522	3	HA	sesse VH	M (I)	3.000 - 20.000	6507	93	75
••••	-322	3	<b>→</b> Пнв	www.	M (h	3.000 - 20.000	6547	93	75
短刃3刃钻刀									
• • • • •	-	3	→ HA/ HB	VH	M (	1.000 - 10.000	6575	93	76
RS100U									
••••		4	<b>→</b> Внв	NSSSS VH	М	6.000 - 20.000	6505	95	77
RS100H									
•		4	<b>→</b> Пнв	www VH	M (Y)	6.000 - 20.000	6584	95	78
RF100F	-					5 had 10 feet	10.70		
	-ann		HA	sssse VH		3.000 - 25.000	m		79
			НВ НВ	MANAGE VH	М	3.000 - 25.000	6546	93	79
		6+	HA HA	WWW.	M	6.000 - 20.000	6730	93	80
键槽铣刀					وجا	0077 417617			
			HA	skssx VH	M	2.000 - 20.000	110		81
05		2	+ Внв	×××× VH	М	2.000 - 20.000	6531	93	81

P M K N S H 万县外	观	为数 进给 方向	柄部 切割 形式 刃长	材质	涂层	直径范围	订货号	参数	页数
加长键槽铣刀									
		2 4	НА	VHM	•	3.000 - 20.000	6550	93	82
铝用键槽铣刀									
	4	2	НВ	VHM	0	3.000 - 20.000	6544	93	83
通用3刃铣刀							_		
		3 4	HA XXXX	VHM	B	2.000 - 20.000	6508	93	84
	<b>X</b>		НВ	VHM	•	2.000 - 20.000	6532	93	84
通用短刃3刃铣刀									
• • • • • •		3 4	HA/ HB	VHM	•	0.500 - 20.000	6574	93	85
通用4刃铣刀			4				-		
	*		НВ	VHM	•	2.000 - 20.000	6533	93	86
通用加长4刃铣刀							Name of Street		
			HA	VHM	H	3.000 - 20.000	6557	95	87
2刃球刀						1417 41214	Taxal	57.	- 52
	_	2 +1	HB		<b>(H)</b>	0.500 - 20.000		93	88
		2 4	HA	VHM	B	0.500 - 20.000	6586	93	88
4刃球刀			<b>3</b>						
		4 4	НВ	VHM	H	3.000 - 20.000	6585	93	89
到角铣刀 ■	1					1 000 10 000		0.5	
	-		HA MA		A	4.000 - 12.000		95	90
• • • • • • • •		4	НВ	VHM	A	4.000 - 12.000	6580	95	90

# 推荐加工中心专用高性能铰刀 Reaming recommendations for carbide NC reamers

#### 通孔及盲孔

Through hole or blind hole

直槽的铰刀也同样适用于加工盲孔,这取决于特殊设计 的槽型和几何角度,能迅速的带出切削。

Straight-fluted reamers are generally applied in blind holes as they, due to their cutting edge geometry, evacuate the chips from the hole against the direction of the feed.

Blind holes can be machined with this tool, if sufficient space at the bottom is available.

#### 断续孔

Interrupted holes

螺旋槽铰刀主要推荐用于断续孔的铰孔加工,螺旋槽铰 刀不用于直槽铰刀之处是特殊螺旋的槽型更有利于在断续孔 中起到稳定支撑作用。

Spiral reamers are preferred for the application in interrupted holes because the cutting edge geometry, in comparison to straight-fluted tools, possesses a lesser tendency of grabbing on the oblique hole.





高性能钻头

### 内冷钻头

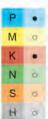


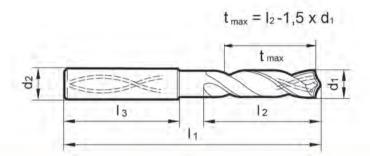
表面处理

硬质合金 ⊕ HE

柄部形式

 $\oplus$ HA









6511 订货号

6611

切削方向

R

(R)

d1		d2 h6	11	12	13		
mm	inch	mm	mm	mm	mm	库	存
3.000		6.00	62.00	20.00	36.00		
3.100		6.00	62.00	20.00	36.00		
3.170	1/8	6.00	62.00	20.00	36.00		
3.200		6.00	62.00	20.00	36.00		
3.250		6.00	62.00	20.00	36.00	15	
3.300		6.00	62.00	20,00	36.00		
3.400		6.00	62.00	20,00	36.00		
3.500		6.00	62.00	20.00	36,00		
3.570	9/64	6.00	62.00	20.00	36.00	12	
3.600	- 111	6.00	62.00	20.00	36.00		
3.700		6.00	62.00	20.00	36.00	1.0	
3.800		6.00	66.00	24.00	36.00		
3.900		6.00	66.00	24.00	36.00		
3.970	5/32	6.00	66.00	24.00	36.00		
4.000		6.00	66.00	24.00	36.00		
4.100		6.00	66.00	24.00	36.00		
4.200		6.00	66.00	24.00	36.00		
4.300		6.00	66.00	24.00	36.00		
4.370	11/64	6.00	66.00	24.00	36.00	*	+
4.400		6.00	66.00	24.00	36.00		+
4.500		6.00	66.00	24,00	36.00		+
4.600		6.00	66.00	24.00	36.00		
4.650		6.00	66.00	24.00	36.00		
4.700		6.00	66.00	24.00	36.00		
4.760	3/16	6.00	66.00	28.00	36.00		
4.800		6.00	66.00	28.00	36.00		
4.900		6.00	66.00	28.00	36.00		
5.000		6.00	66.00	28.00	36.00		
5.100		6.00	66.00	28.00	36.00		
5.160	13/64	6.00	66.00	28.00	36.00		
5,200		6.00	66.00	28.00	36.00		
5,300		6.00	66.00	28.00	36.00	11.	
5.400		6.00	66.00	28.00	36.00		
5.500		6.00	66.00	28.00	36.00		
5.550		6.00	66.00	28.00	36.00		
5,560	7/32	6.00	66.00	28.00	36.00		

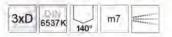
订货号 **6511 6611** 切削方向 (R)

d1		d2 h6	11	12	13	法	存
mm	inch	mm	mm	mm	mm	2.5	(1
5.600		6.00	66.00	28.00	36.00		
5.700		6.00	66.00	28.00	36.00		
5.800		6.00	66.00	28.00	36.00	26,	
5.900		6,00	66.00	28.00	36.00		
5.950	15/64	6.00	66.00	28.00	36.00		
6.000		6.00	66.00	28.00	36.00		0.0
6.100		8.00	79.00	34.00	36.00		
6.200		8.00	79.00	34.00	36.00		-
6.300		8.00	79.00	34.00	36.00		
	474						
6.350	1/4	8.00	79.00	34.00	36.00		
6.400		8.00	79.00	34.00	36.00		2.0
6.500		8.00	79.00	34.00	36.00		
6.600		8,00	79.00	34.00	36.00		,
6.700		8.00	79.00	34.00	36.00		*
6.750	17/64	8.00	79.00	34.00	36.00		*
6.800		8.00	79.00	34.00	36.00		+
6.900		8.00	79.00	34.00	36.00		+
7.000		8.00	79.00	34.00	36.00		+
7.100		8.00	79.00	41.00	36.00		
7.140	9/32	8.00	79.00	41.00	36.00		- 4
7.200	0.02	8.00	79.00	41.00	36.00		
7.300		8.00	79.00	41.00	36.00		
7.400		8.00	79.00	41.00	36.00		
7.500	- 0000	8.00	79.00	41.00	36.00		
7.540	19/64	8.00	79.00	41.00	36,00		
7.600		8.00	79.00	41.00	36.00		*
7.700		8.00	79.00	41.00	36.00		*
7.800		8.00	79.00	41.00	36.00		
7.900		8.00	79.00	41.00	36.00		*
7.940	5/16	8.00	79.00	41.00	36.00		+
8.000		8.00	79.00	41.00	36.00	- 4	*
8.100		10.00	89.00	47.00	40.00		
8.200		10.00	89.00	47.00	40.00		
8.300		10.00	89.00	47.00	40.00		- 4
8.330	21/64	10.00	89.00	47.00	40.00	2	
8.400	21/04	10.00	89.00	47.00	40.00		
and the second second				Service Service			
8.500		10.00	89.00	47.00	40.00		
8,600		10.00	89.00	47.00	40.00		
8.700		10.00	89.00	47.00	40.00		*
8.730	11/32	10.00	89.00	47.00	40.00		*
8.800		10.00	89.00	47.00	40.00		*
8.900		10.00	89.00	47.00	40.00		+
9.000		10.00	89.00	47.00	40.00		*
9.100		10.00	89.00	47.00	40.00	*	
9.130	23/64	10.00	89.00	47.00	40.00		
9.200	15000	10.00	89.00	47.00	40.00		
9.250		10.00	89.00	47.00	40.00		
9.300		10.00	89.00	47.00	40.00		
9.400		10.00	89.00	47.00	40.00		¥
9.500	2.0	10.00	89.00	47.00	40.00		
9.520	3/8	10.00	89.00	47.00	40.00		+
9.600		10.00	89.00	47.00	40.00		*
9.700		10.00	89.00	47.00	40.00	*	
9.800		10.00	89.00	47.00	40.00		
9.900		10.00	89.00	47.00	40.00	*	*
9.920	25/64	10.00	89.00	47.00	40.00		
3.320		10.00	89.00	47.00	40.00		
10.000							
10.000		12.00	102.00	55.00	45.00		200
T T T T T T T T T T T T T T T T T T T		12.00 12.00	102.00 102.00	55.00 55.00	45.00 45.00	1	

订货号	6511	6611
切削方向	R	(R)

d1		d2 h6	11	12	13	库	存
mm	inch	mm	mm	mm	mm	3	(17)
10.320	13/32	12.00	102.00	55.00	45.00		
10.400		12.00	102.00	55.00	45.00		
10.500		12.00	102.00	55.00	45.00		*
10.600		12.00	102.00	55.00	45.00		
10.700		12.00	102.00	55.00	45.00		
10.800		12.00	102.00	55.00	45.00		
10.900		12.00	102.00	55.00	45.00		
11.000		12.00	102.00	55.00	45.00		
11.100		12.00	102.00	55.00	45.00		
11.110	7/16	12.00	102.00	55.00	45.00		
11.200	3,7,7,5	12.00	102.00	55.00	45.00		
11.300		12.00	102.00	55.00	45.00		
11.400		12.00	102.00	55.00	45.00	2	
11.500		12.00	102.00	55.00	45.00		-
11.600		12.00	102.00	55.00	45.00		
11.700		12.00	102.00	55.00	45.00		
11.800		12.00	102.00	55.00	45.00		
11.900	45/20	12.00	102.00	55.00	45.00		
11.910	15/32	12.00	102.00	55.00	45,00		
12.000		12.00	102.00	55.00	45.00		7.
12.200		14.00	107.00	60.00	45.00	,	
12.400		14.00	107.00	60.00	45.00	,	
12,500	4.0	14.00	107.00	60.00	45.00		
12.700	1/2	14.00	107.00	60.00	45.00		
12.800		14.00	107.00	60.00	45.00		
13.000		14.00	107.00	60.00	45.00		
13.500		14.00	107.00	60.00	45.00		
13.700		14.00	107.00	60.00	45.00		
13.800		14.00	107.00	60.00	45.00		
14.000		14.00	107.00	60.00	45.00		
14.200		16.00	115.00	65.00	48.00		
14.290	9/16	16.00	115.00	65.00	48.00		
14.300		16.00	115.00	65.00	48.00		
14.500		16.00	115.00	65.00	48.00		(3)
14.700		16.00	115.00	65.00	48.00	- 4	1.
14.800		16.00	115.00	65.00	48.00	9	
15.000		16.00	115.00	65.00	48.00		
15.200		16.00	115.00	65.00	48.00		
15.500		16.00	115.00	65.00	48.00		
15.700		16.00	115.00	65.00	48.00		
16.000		16.00	115.00	65.00	48.00		
16.500		18.00	123.00	73.00	48.00		
17.000		18.00	123.00	73.00	48.00		
17.500		18.00	123.00	73.00	48.00		
17.700		18.00	123.00	73.00	48.00		
18.000		18.00	123.00	73.00	48.00	- 4-	- 100
18.500		20.00	131.00	79.00	50.00	4	4
19.000		20.00	131.00	79.00	50.00		
19.500		20.00	131.00	79.00	50.00		4
20.000		20.00	131.00	79.00	50.00		
20.000		20.00	157.00	75.00	50,00		-

### 内冷钻头(耐热钢、特种钢专用)



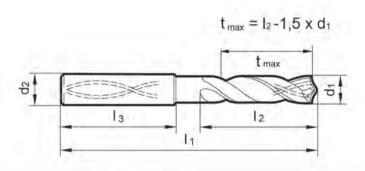
 材料
 硬质合金

 表面处理
 H

 柄部形式
 HA

 HE







订货号 6527 6629 切削方向 R R

d1		d2 h6	H	12	13	r#=	存
mm	inch	mm	mm	mm	mm	件	Ją.
3.000		6.00	62.00	20.00	36,00	*	
3.100		6.00	62.00	20.00	36.00	-	-
3.170	1/8	6.00	62.00	20.00	36.00		
3.200		6.00	62.00	20.00	36.00		
3.250		6.00	62.00	20.00	36.00		
3.300		6.00	62.00	20.00	36.00		
3.400		6.00	62.00	20.00	36.00		
3.500		6.00	62.00	20.00	36.00		
3.570	9/64	6.00	62.00	20.00	36.00		
3.600		6.00	62.00	20.00	36.00		-
3.700		6.00	62.00	20.00	36.00		
3.800		6.00	66.00	24.00	36.00		
3.900		6.00	66.00	24.00	36.00		- 20
3.970	5/32	6.00	66.00	24.00	36.00		
4.000		6.00	66.00	24.00	36.00		
4.100		6.00	66.00	24.00	36.00		*
4.200		6.00	66.00	24.00	36.00		
4.300		6.00	66.00	24.00	36.00		
4.370	11/64	6.00	66.00	24.00	36.00		
4.400		6.00	66.00	24.00	36.00		
4.500		6.00	66.00	24.00	36.00	,	
4.600		6.00	66.00	24.00	36.00		
4.650		6.00	66.00	24.00	36.00		
4.700		6.00	66.00	24.00	36.00		
4.760	3/16	6.00	66.00	28.00	36.00		
4.800		6.00	66.00	28.00	36.00		-
4.900		6.00	66.00	28.00	36.00		*
5.000		6.00	66.00	28.00	36.00		
5.100		6.00	66.00	28.00	36.00		1
5.160	13/64	6.00	66.00	28.00	36.00		
5.200		6.00	66.00	28.00	36.00		
5.300		6.00	66.00	28.00	36.00		
5.400		6.00	66.00	28.00	36.00		
5.500		6.00	66.00	28.00	36.00		
5.550		6.00	66.00	28.00	36.00		
5.560	7/32	6.00	66.00	28.00	36,00		

订货号 6527 6529 切削方向 (R)

d1		d2 h6	11	12	13	店	存
mm	inch	mm	mm	mm	mm	/-	14
5.600		6.00	66.00	28.00	36.00		
5.700		6.00	66.00	28.00	36,00		
5.800		6.00	66.00	28.00	36.00		
5.900		6.00	66.00	28.00	36.00		
5.950	15/64	6.00	66.00	28.00	36.00		
6.000	10/04	6.00	66.00	28.00	36.00		
							-
6.100		8.00	79.00	34.00	36.00		
5.200		8.00	79.00	34.00	36.00		
6.300		8.00	79.00	34.00	36.00		
5.350	1/4	8.00	79.00	34.00	36.00		
6.400		8.00	79.00	34.00	36.00		
3.500		8.00	79.00	34.00	36.00		
5.600		8.00	79.00	34.00	36.00		*
6.700		8.00	79.00	34.00	36.00		
8.750	17/64	8.00	79.00	34.00	36.00		9
3.800		8.00	79.00	34.00	36.00		- 1
3.900		8.00	79.00	34.00	36.00		
7.000		8.00	79.00	34.00	36.00		
		8.00					
7.100	0/20		79.00	41.00	36.00		
7.140	9/32	8.00	79.00	41.00	36.00		
7.200		8.00	79.00	41.00	36.00		
7.300		8.00	79.00	41.00	36.00		
7.400		8.00	79.00	41.00	36.00		*
7.500		8.00	79.00	41.00	36.00		
7.540	19/64	8.00	79.00	41.00	36.00	+	9
7.600		8.00	79.00	41.00	36.00	+	9
7.700		8.00	79.00	41.00	36.00		
7.800		8.00	79.00	41.00	36.00		
7.900		8.00	79.00	41.00	36.00		
7.940	5/16	8.00	79.00	41.00	36.00		
8.000	3/10	8.00	79.00	41.00	36.00		
8.100		10.00	89.00	47.00	40.00		
8.200		10.00	89.00	47.00	40.00		
8.300		10.00	89.00	47.00	40.00		
8.330	21/64	10.00	89.00	47.00	40.00		
8.400		10.00	89.00	47.00	40.00		
8.500		10.00	89.00	47.00	40.00		9
8.600		10.00	89.00	47.00	40.00	+	9
3.700		10.00	89.00	47.00	40.00		- 4
8.730	11/32	10.00	89.00	47.00	40.00		14
8.800		10.00	89.00	47.00	40.00		- 14
8.900		10.00	89.00	47.00	40.00		
9.000		10.00	89.00	47.00	40.00		
9.100		10.00	89.00	47.00	40.00		
9.130	23/64	10.00	89.00	47.00	40.00		
	23/04						
9.200		10.00	89.00	47.00	40.00		
9.250		10.00	89.00	47.00	40.00		*
9.300		10.00	89.00	47.00	40.00		•
9.400		10.00	89.00	47.00	40.00		
9.500		10.00	89.00	47.00	40.00		1.0
9.520	3/8	10.00	89.00	47.00	40.00		
9.600		10.00	89.00	47.00	40.00	-	
9.700		10.00	89.00	47.00	40.00		
9.800		10.00	89.00	47.00	40.00		- 9
9.900		10.00	89.00	47.00	40.00		
9.920	25/64	10.00	89.00	47.00	40.00		-
0.000	20/04	10.00	89.00	47.00	40.00		
						1	
0.100		12.00	102.00	55.00	45.00		
0.200		12.00 12.00	102.00 102.00	55.00 55.00	45.00 45.00		
10.300				20 (10)	74.5 (10)		- 14

订货号	6527	6529
切削方向	(R)	(R)

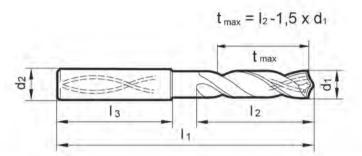
d1		d2 h6	11	12	13	D.	存
mm	inch	mm	mm	mm	mm	74	T.
10.320	13/32	12.00	102.00	55.00	45.00	,	
10,400		12.00	102.00	55.00	45.00		
10,500		12.00	102.00	55.00	45.00		
10.600		12.00	102.00	55.00	45.00		ž.
10.700		12.00	102.00	55.00	45.00		-
10.800		12.00	102.00	55.00	45.00		-
10.900		12.00	102.00	55.00	45.00		*
11.000		12.00	102.00	55.00	45.00		*
11.100		12.00	102.00	55.00	45,00		4
11.110	7/16	12.00	102.00	55.00	45.00		
11.200		12.00	102.00	55.00	45.00		
11.300		12.00	102.00	55.00	45.00		
11,400		12.00	102.00	55.00	45.00		13
11.500		12.00	102.00	55.00	45.00		-
11.600		12.00	102.00	55.00	45.00		
11.700		12.00	102.00	55.00	45.00		
11.800		12.00	102.00	55.00	45.00		
11.900		12.00	102.00	55.00	45.00		
11.910	15/32	12.00	102.00	55.00	45.00		
12.000		12.00	102.00	55.00	45,00		
12.200		14.00	107.00	60.00	45.00		
12.500		14.00	107.00	60.00	45.00		
12.700	1/2	14.00	107.00	60.00	45.00		+
13.000		14.00	107.00	60.00	45.00		*
13.500		14.00	107.00	60.00	45.00		-
13.700		14.00	107.00	60.00	45.00		4
14.000		14.00	107.00	60.00	45.00		
14.200		16.00	115.00	65.00	48.00		-
14.290	9/16	16.00	115.00	65.00	48.00		*
14.500		16.00	115.00	65.00	48.00		*
14.700		16.00	115.00	65.00	48.00		*
15,000		16.00	115.00	65.00	48.00		- 4
15.200		16.00	115.00	65.00	48.00		4
15.500		16.00	115.00	65.00	48.00		
15.700		16.00	115.00	65.00	48.00		- 4
16.000		16.00	115.00	65.00	48.00	100	4
16.500		18.00	123.00	73.00	48.00		-
17.000		18.00	123.00	73.00	48.00		
17.500		18.00	123.00	73.00	48.00		
18.000		18.00	123.00	73.00	48.00		
18.500		20.00	131.00	79.00	50.00	-	
19.000		20.00	131.00	79.00	50,00		
19.500		20.00	131.00	79.00	50.00		
20.000		20.00	131.00	79.00	50.00		





材料		硬质合金	
表面处理	H	H	H
柄部形式	HA	HE	HB







					订货号	6512	6612	665
					切削方向	R	(R)	R
d1		d2 h6	11	12	13:		库存	
mm	inch	mm	mm	mm	mm		1 H	
3.000		6.00	66.00	28.00	36.00			
3.100		6.00	66.00	28.00	36.00			
3.170	1/8	6.00	66.00	28.00	36.00			
3.200		6.00	66.00	28.00	36.00	-		- 4
3.250		6.00	66.00	28.00	36.00			1.9
3.300		6.00	66.00	28.00	36.00			
3.400		6.00	66.00	28.00	36.00			
3.500		6.00	66.00	28.00	36.00			
3.570	9/64	6.00	66.00	28.00	36.00			,
3.600		6.00	66.00	28.00	36.00	+		
3.700		6.00	66.00	28.00	36.00			4
3.800		6.00	74.00	36.00	36.00	+	*	
3.900		6.00	74.00	36.00	36.00	*		
3.970	5/32	6.00	74.00	36.00	36.00	*		
4.000		6.00	74.00	36.00	36.00			
4.100		6.00	74.00	36.00	36.00			
4.200		6.00	74.00	36.00	36.00			
4.300		6.00	74.00	36.00	36.00		4.	
4.370	11/64	6.00	74.00	36.00	36.00	9		
4.400		6.00	74.00	36.00	36.00	*		
4.500		6.00	74.00	36.00	36.00	40		4
4.600		6.00	74.00	36.00	36.00	200		
4.650		6.00	74.00	36.00	36.00			
4.700		6.00	74.00	36.00	36.00			4
4.760	3/16	6.00	82.00	44.00	36.00			
4.800	-	6.00	82.00	44.00	36.00	-		
4.900		6.00	82.00	44.00	36.00			
5.000		6.00	82.00	44.00	36.00			
5.100		6.00	82.00	44.00	36.00			1.6
5.160	13/64	6.00	82.00	44.00	36.00			
5.200		6.00	82.00	44.00	36.00			
5.300		6.00	82.00	44.00	36.00	*		4
5.400		6.00	82.00	44.00	36.00			
5.500		6.00	82.00	44.00	36.00			
5.550		6.00	82.00	44.00	36.00			
5.560	7/32	6.00	82.00	44.00	36.00			
	2000	7.577	7.50		2000			

					切削方向	(R)	(R)	F
d1		d2 h6	11	12	13		库存	
mm	inch	mm	mm	mm	mm		200-114	
5.600		6.00	82.00	44.00	36.00			
5.700		6.00	82.00	44.00	36.00			
5.800		6.00	82.00	44.00	36.00			
5.900		6.00	82.00	44.00	36.00			,
5.950	15/64	6.00	82.00	44.00	36.00			
6.000		6.00	82.00	44.00	36.00	+		
6,100		8.00	91.00	53.00	36.00	+		3
6.200		8.00	91.00	53.00	36.00			- 2
6.300		8.00	91.00	53.00	36.00	*		-
6.350	1/4	8.00	91.00	53.00	36.00			16
6.400		8.00	91.00	53.00	36.00			
6.500		8.00	91.00	53.00	36.00			
6.600		8.00	91.00	53.00	36.00			
6.700		8.00	91.00	53.00	36.00			
6.750	17/64	8.00	91.00	53.00	36,00			
6.800	17704	8.00	91.00	53.00	36.00	+		- 2
								- 35
6.900		8.00	91.00	53.00	36.00	*		
7.000		8.00	91.00	53.00	36.00	+	•	
7.100	2002	8.00	91.00	53.00	36.00		- 2	
7.140	9/32	8.00	91.00	53.00	36.00			
7.200		8.00	91.00	53.00	36.00			
7.300		8.00	91.00	53.00	36.00			
7.400		8.00	91.00	53.00	36.00			
7.500		8.00	91.00	53.00	36.00			1.0
7.540	19/64	8.00	91.00	53.00	36.00	*		
7.600		8.00	91.00	53.00	36,00	*	-	
7.700		8.00	91.00	53.00	36.00	+		
7.800		8.00	91.00	53.00	36.00	+		
7.900		8.00	91.00	53.00	36.00			4
7.940	5/16	8.00	91.00	53.00	36.00	+		4
8.000	210.0	8.00	91.00	53.00	36.00			- 2
8.100		10.00	103.00	61.00	40.00			
8.200		10.00	103.00	61.00	40.00			
8.300		10.00	103.00	61.00	40.00			
8.330	21/64	10.00	103.00	61.00	40.00			
	21/04							
8.400		10.00	103.00	61.00	40.00	*		
8.500		10.00	103.00	61.00	40.00	*		
8,600		10.00	103.00	61.00	40,00		-	
8.700	5,400.4	10.00	103.00	61.00	40.00	+		,
8.730	11/32	10.00	103.00	61.00	40.00	*		*
8.800		10.00	103.00	61.00	40.00	*		
8.900		10.00	103.00	61.00	40.00	*	-	
9,000		10.00	103.00	61.00	40.00	*		
9.100		10.00	103.00	61.00	40.00			
9.130	23/64	10.00	103.00	61.00	40.00			
9.200		10.00	103.00	61.00	40.00			1.0
9.250		10.00	103.00	61.00	40.00		4	
9.300		10.00	103.00	61.00	40.00			
9.340		10.00	103.00	61.00	40.00	+		
9.400		10.00	103.00	61.00	40.00	+	12	
9.500		10.00	103.00	61.00	40.00	+		
9.520	3/8	10.00	103.00	61.00	40.00			
	Jio					-		
9.600		10.00	103.00	61.00	40.00			
9.700		10.00	103.00	61.00	40.00		•	
9.800		10.00	103.00	61.00	40.00			
9.900		10.00	103.00	61.00	40.00			
9.920	25/64	10.00	103.00	61.00	40.00			
10.000		10,00	103.00	61.00	40.00			
10.100		12.00	118.00	71.00	45,00	*		
10.200		12.00	118.00	71.00	45.00	+		19

订货号

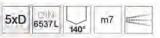
订货号	6512	6612	6651	
切削方向	R	(R)	(R)	

d1		d2 h6	11	12	13		库存	
mm	inch	mm	mm	mm	mm		74. (5	
10.300		12.00	118.00	71,00	45.00	19.0	*1	
10.320	13/32	12.00	118.00	71.00	45.00		*1	- 6
10.400		12.00	118.00	71.00	45.00	4	+	
10.500		12.00	118.00	71.00	45.00			113
10.600		12.00	118.00	71.00	45.00	-		13
10.700		12.00	118.00	71.00	45.00	- 1		
10.800		12.00	118.00	71.00	45.00			
10.900		12.00	118.00	71.00	45.00	9.		
11.000		12.00	118.00	71.00	45.00	-		
11.100		12.00	118.00	71.00	45.00	- 4		
11.110	7/16	12.00	118.00	71.00	45.00			
	7710							
11.200		12.00	118.00	71.00	45.00			
11.300		12.00	118.00	71.00	45.00			
11.400		12.00	118.00	71.00	45.00			
11.500		12.00	118.00	71.00	45.00			
11.600		12.00	118.00	71.00	45.00		*	1.5
11.700		12.00	118.00	71.00	45.00			
11.800		12.00	118.00	71.00	45.00			
11.900		12.00	118.00	71.00	45.00			
11.910	15/32	12.00	118.00	71.00	45.00	4	2	
12.000		12.00	118.00	71.00	45.00	- 3		
12.100		14.00	124.00	77.00	45.00		9.	
12.200		14.00	124.00	77.00	45.00			
12.500		14.00	124.00	77.00	45.00			
12.600		14.00		77.00	45.00	- 4		
	470		124.00			-	0.1	
12.700	1/2	14.00	124.00	77.00	45.00		*	
12.800		14.00	124.00	77.00	45.00			
12.900		14.00	124.00	77.00	45.00			
13.000		14.00	124.00	77.00	45.00			
13.300		14.00	124.00	77.00	45.00			
13.400		14.00	124.00	77.00	45.00			
13,500		14.00	124.00	77.00	45.00	39		
13.700		14.00	124.00	77.00	45.00		4.1	
13.800		14.00	124.00	77.00	45.00			
14.000		14.00	124.00	77.00	45.00	4	41	14
14.100		16.00	133.00	83.00	48.00	41	4.	
14.200		16.00	133.00	83.00	48.00	- 21		
14.290	9/16	16.00	133.00	83.00	48.00			
14.400	3/10	16.00	133.00	83.00	48.00			
				55.57.55				
14.500		16.00	133.00	83.00	48.00			
14.700		16.00	133.00	83.00	48.00			
14.800		16.00	133.00	83.00	48.00			
15.000		16.00	133.00	83.00	48.00		*	
15.100		16.00	133.00	83.00	48.00	3		
15.200		16.00	133,00	83.00	48.00	+1	+	4
15.300		16.00	133.00	83.00	48.00			
15.500		16.00	133.00	83.00	48.00	41	41	
15.700		16.00	133.00	83.00	48.00	- 1		
15.800		16.00	133.00	83.00	48.00			
16.000		16.00	133.00	83.00	48.00	- 1	27	
16.500		18.00	143.00	93.00	48.00	-		-
16.700		18.00	143.00	93.00	48.00		7	
						-3	2.	
17.000		18.00	143.00	93.00	48.00			1
17,500		18.00	143.00	93.00	48.00			-
17.700		18.00	143.00	93.00	48.00	-		
18.000		18.00	143.00	93.00	48.00			
18.500		20.00	153.00	101.00	50.00	4	*	
18.900		20.00	153.00	101.00	50.00	91		
19.000		20.00	153.00	101.00	50.00	41		
10.000	3/4							

d1		d2 h6	I1	12	13		库存	
mm	inch	mm	mm	mm	mm		件 行	
19.500		20.00	153.00	101.00	50.00	•		
20.000		20.00	153.00	101.00	50.00			

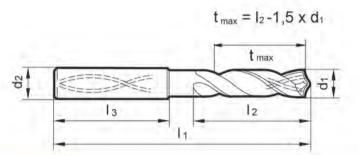


### 内冷钻头(耐热钢、特种钢专用)











订货号 6581 6582

441		1010	14	10	10		
d1	1111	d2 h6	- 11	12	13	库	存
mm	inch	mm	mm	mm	mm		
3.000		6.00	66.00	28.00	36.00		
3.100		6.00	66.00	28.00	36.00		
3.170	1/8	6.00	66.00	28.00	36.00		
3.200		6.00	66.00	28.00	36.00		
3.250		6.00	66.00	28.00	36.00		
3.300		6.00	66.00	28.00	36.00		
3.400		6.00	66.00	28.00	36.00		
3.500		6.00	66.00	28.00	36.00		
3.570	9/64	6.00	66.00	28.00	36.00		
3.600		6.00	66.00	28.00	36.00		
3.700		6.00	66.00	28.00	36.00		
3.800		6.00	74.00	36.00	36.00		
3.900		6.00	74.00	36.00	36.00		
3.970	5/32	6.00	74.00	36.00	36.00		
4.000		6.00	74.00	36.00	36.00		
4.100		6.00	74.00	36,00	36.00		- 14
4.200		6.00	74.00	36.00	36.00		
4.300		6.00	74.00	36.00	36.00		4
4.370	11/64	6.00	74.00	36.00	36.00		
4.400		6.00	74.00	36.00	36.00		
4.500		6.00	74.00	36.00	36.00		
4.600		6.00	74.00	36.00	36.00	-	
4.650		6.00	74.00	36.00	36.00	100	
4.700		6.00	74.00	36.00	36.00		
1.760	3/16	6.00	82.00	44,00	36.00		
4.800		6.00	82.00	44.00	36.00		. 9
4.900		6,00	82.00	44.00	36.00		
5.000		6.00	82.00	44.00	36.00		- 4
5.100		6.00	82.00	44.00	36.00		
5.160	13/64	6.00	82.00	44.00	36.00		
5.200		6.00	82.00	44.00	36.00		
5.300		6.00	82.00	44.00	36.00		
5.400		6.00	82.00	44.00	36.00		
5.500		6.00	82.00	44.00	36.00		
5.550		6.00	82.00	44.00	36.00		
5.560	7/32	6.00	82.00	44.00	36.00		1.4

订货号 **6581 6582** 切削方向 R R

d1		d2 h6	H.	12	13	14	存
mm	inch	mm	mm	mm	mm	)4	14
5.600		6.00	82.00	44.00	36.00		
5.700		6.00	82.00	44.00	36.00	10.4	
5.800		6.00	82.00	44.00	36.00		
5.900		6.00	82.00	44.00	36.00		- 4
5.950	15/64	6.00	82.00	44.00	36.00		
6.000	13/04	6.00	82.00	44.00	36.00		
6.100		8.00	91.00	53.00	36.00	1 3	
6.200		8.00	91.00	53.00	36.00		
6.300		8.00	91.00	53.00	36.00		
6.350	1/4	8.00	91.00	53.00	36.00		
6.400		8.00	91.00	53.00	36.00		
6.500		8.00	91.00	53.00	36.00		
6.600		8.00	91.00	53.00	36.00		
6.700		8.00	91.00	53.00	36,00	100	
6.750	17/64	8.00	91.00	53.00	36,00		
6.800		8.00	91.00	53.00	36.00		
6.900		8.00	91.00	53.00	36.00		
7.000		8.00	91.00	53.00	36.00		
7.100		8.00	91.00	53.00	36.00		
7.140	9/32	8.00	91.00	53.00	36.00		
	9/32						
7.200		8.00	91.00	53.00	36.00		
7.300		8.00	91.00	53.00	36.00		
7.400		8.00	91.00	53.00	36.00		
7.500		8.00	91.00	53.00	36.00		
7.540	19/64	8.00	91.00	53.00	36,00		
7.600		8.00	91.00	53.00	36.00		
7.700		8.00	91.00	53.00	36.00	+	
7.800		8.00	91.00	53.00	36.00	-	
7.900		8.00	91.00	53.00	36.00		
7.940	5/16	8.00	91.00	53.00	36.00		-
8.000		8.00	91.00	53.00	36.00		
8.100		10.00	103.00	61.00	40.00	-4	
8.200		10.00	103.00	61.00	40.00		
8.300		10.00	103.00	61.00	40.00		
8.330	21/64	10.00	103.00	61.00	40.00		
	21/04		103.00				
8.400		10.00	The second second	61.00	40.00		
8.500		10.00	103.00	61,00	40.00		
8.600		10.00	103.00	61.00	40.00		
8.700	7.72	10,00	103.00	61,00	40.00	*	. *
8.730	11/32	10.00	103.00	61.00	40.00		
8.800		10.00	103.00	61.00	40.00		
8.900		10.00	103.00	61.00	40.00		
9.000		10.00	103.00	61.00	40.00		
9.100		10.00	103.00	61.00	40.00		
9.130	23/64	10.00	103.00	61.00	40.00		
9.200		10.00	103.00	61.00	40.00		
9.250		10.00	103.00	61.00	40.00		
9.300		10.00	103.00	61.00	40.00		
9.400		10.00	103.00	61.00	40.00		
9.400							
	2/0	10.00	103.00	61,00	40.00	1	
9.520	3/8	10.00	103.00	61.00	40.00	-	
9.600		10.00	103.00	61.00	40.00		*
9.700		10.00	103.00	61.00	40.00		*
9.800		10.00	103.00	61.00	40.00		
9.900		10.00	103.00	61.00	40.00		
9.920	25/64	10.00	103.00	61.00	40.00		
0.000		10.00	103.00	61.00	40.00		
0.100		12.00	118.00	71.00	45.00		
		12.00	118.00	71.00	45.00		
0.200							

订货号	6581	6582
切削方向	R	R

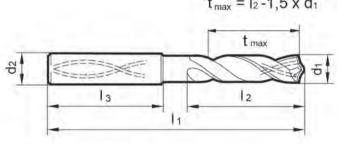
d1		d2 h6	11	12	13	150	存
mm	inch	mm	mm	mm	mm	14	11
10.320	13/32	12.00	118.00	71.00	45.00	+	16
10.400		12.00	118.00	71.00	45.00	4	4
10.500		12.00	118.00	71.00	45.00		
10.600		12.00	118.00	71.00	45.00	4.90	
10.700		12.00	118.00	71.00	45.00	1.31	
10.800		12.00	118.00	71.00	45.00	- ;-	-
10.900		12.00	118.00	71.00	45.00		
11.000		12.00	118.00	71.00	45.00		
11.100		12.00	118.00	71.00	45.00		
11.110	7/16	12.00	118.00	71.00	45.00	- 51	
11.200		12.00	118.00	71.00	45.00	10.41	
11.300		12.00	118.00	71.00	45.00	**	
11.400		12.00	118.00	71.00	45.00	2	
11.500		12.00	118.00	71.00	45.00		- 4
11.600		12.00	118.00	71.00	45.00		
11.700		12.00	118.00	71.00	45.00		
11.800		12.00	118.00	71.00	45.00		
11.900		12.00	118.00	71.00	45.00		
11.910	15/32	12.00	118.00	71.00	45.00		0.
12.000	15.55	12.00	118.00	71.00	45.00		
12.200		14.00	124.00	77.00	45.00		
12.500		14.00	124.00	77.00	45.00		
12.700	1/2	14.00	124.00	77.00	45.00	4	-
13.000		14.00	124.00	77.00	45.00	15.	
13.500		14.00	124.00	77.00	45.00	- 4	
13.700		14.00	124.00	77.00	45.00	- 4	
14.000		14.00	124.00	77.00	45.00		
14.200		16.00	133.00	83.00	48.00		
14.290	9/16	16.00	133,00	83.00	48.00		
14.500	5/15	16.00	133.00	83.00	48.00		
14.700		16.00	133.00	83.00	48.00		
5.000		16,00	133.00	83.00	48.00		
5.200		16.00	133.00	83.00	48.00		
15.500		16.00	133.00	83.00	48.00		
15.700		16.00	133.00	83.00	48.00		1
16.000		16.00	133.00	83.00	48.00	21	
16.500		18.00	143.00	93.00	48.00	-	
17.000		18.00	143.00	93.00	48.00		
17.500		18.00	143.00	93.00	48.00		
18.000		18.00	143.00	93.00	48.00		- 1
18.500		20.00	153.00	101.00	50.00		1
19.000		20.00	153.00	101.00	50.00		
19.500		20.00	153.00	101.00	50.00		- 2
20.000		20.00	153.00	101.00	50.00		- 5
.0.000		20.00	100.00	101.00	30.00	4.7	7.0













					订货号	6513	6613
					切削方向	(R)	(R)
d1		d2 h6	11	12	13	库	存
mm	inch	mm	mm	mm	mm	1	ti.
3.000		6.00	70.00	30.00	36.00		*
3.100		6.00	70.00	30.00	36.00		
3.170	1/8	6.00	70.00	30.00	36,00		
3.200		6.00	70.00	30.00	36.00		
3.250		6.00	70.00	30.00	36.00		
3.300		6.00	70.00	30.00	36.00		
3.400		6.00	75.00	35.50	36.00		
3.500		6.00	75.00	35.50	36.00		
3.570	9/64	6.00	75.00	35.50	36,00		
3.600		6.00	75.00	35.50	36.00		
3.700		6.00	75.00	35.50	36.00		
3.800		6.00	75.00	37.50	36.00		
3.900		6.00	75.00	37.50	36.00	*	
3.970	5/32	6.00	75.00	37.50	36.00		
4.000		6.00	75.00	37.50	36.00		
4.100		6.00	75.00	37.50	36.00		
4.200		6.00	75.00	37.50	36.00		
4.300		6.00	85.00	45.00	36.00		.6
4.370	11/64	6.00	85.00	45.00	36.00		- 6
4.400		6.00	85.00	45.00	36.00		4.
4.500		6.00	85.00	45.00	36,00	-	4
4.600		6.00	85.00	45.00	36.00		
4.650		6.00	85.00	45.00	36.00		
4.700		6.00	85.00	45.00	36.00		+
4.760	3/16	6.00	90.00	50.00	36.00		
4.800		6.00	90.00	50.00	36.00		
4.900		6.00	90.00	50.00	36.00		
5.000		6.00	90.00	50.00	36.00		
5.100		6.00	90.00	50.00	36,00	4,-	*
5.160	13/64	6.00	90.00	50.00	36.00		
5.200	0.0	6.00	90.00	50.00	36.00		
5.300		6.00	90.00	50.00	36.00		
5.400		6.00	97.00	57.00	36,00		
5.500		6.00	97.00	57.00	36.00		
5.600		6.00	97.00	57.00	36.00		
5.700		6.00	97.00	57.00	36.00		

订货号	6513	6613
切削方向	R	R

d1	A	d2 h6	11	12	13	库	存
mm	inch	mm	mm	mm	mm	71	100
5.800		6.00	97.00	57.00	36.00	+	
5.900		6.00	97.00	57.00	36.00	+	
6.000		6.00	97.00	57.00	36.00		
6.100		8.00	106.00	66.00	36.00		
6.200		8.00	106.00	66.00	36.00		
6.300		8.00	106.00	66.00	36.00		
6.350	1/4	8.00	106.00	66.00	36.00		
6.500		8.00	106.00	66.00	36.00		-
		8.00			36.00		
6.600			106.00	66.00			
6.700		8.00	106.00	66.00	36.00		
6.800		8.00	106.00	66.00	36.00		
6.900		8.00	116.00	76.00	36.00		
7.000		8.00	116.00	76.00	36.00	*	
7.100		8.00	116.00	76.00	36.00	+	
7.200		8.00	116.00	76.00	36.00	*	
7.300		8.00	116.00	76.00	36.00		
7.400		8.00	116.00	76.00	36.00	*	
7.500		8.00	116.00	76.00	36.00		
7.600		8.00	116.00	76.00	36.00		
7.700		8.00	116.00	76.00	36.00		
7.800		8.00	116.00	76.00	36.00		
8.000		8.00	116.00	76.00	36.00		
8.100		10.00	131.00	87.00	40.00		
8.200		10.00	131.00	87.00	40.00		
			The state of the s				
8.400		10.00	131.00	87.00	40.00	*	
8.500		10.00	131.00	87.00	40.00		
8.600		10.00	131.00	87.00	40.00	*	
8.700		10.00	131.00	87.00	40.00		
8.800		10.00	131.00	87.00	40.00		
9.000		10.00	131.00	87.00	40.00		
9.100		10,00	139.00	95.00	40.00		
9.200		10.00	139.00	95.00	40.00		
9.300		10.00	139.00	95.00	40.00		
9.400		10.00	139.00	95.00	40.00		
9.500		10.00	139.00	95.00	40.00	- 4	
9.520	3/8	10.00	139.00	95.00	40.00	+	
9.700		10.00	139.00	95.00	40.00	4.	
9.800		10.00	139.00	95.00	40.00		
9.900		10.00	139.00	95.00	40.00		
10.000		10.00	139.00	95.00	40.00		
10.200		12.00	155.00	106,00	45.00		
0.500		12,00	155.00	106,00	45.00	*	
10.700		12.00	155.00	106.00	45.00	*	
0.800		12.00	155.00	106.00	45.00	*	*
1.000		12.00	155.00	106.00	45.00	+	+
11.200		12.00	163.00	114.00	45.00		
11.500		12.00	163.00	114.00	45.00	+	
1.800		12.00	163.00	114.00	45.00	-	
12.000		12.00	163.00	114.00	45.00	*	
12.200		14.00	182.00	133.00	45.00	*	
2.500		14.00	182.00	133.00	45.00		
12.700	1/2	14.00	182.00	133,00	45.00		
13.000	1.5	14.00	182.00	133.00	45.00		
13.500		14.00	182.00	133.00	45.00		
14.000		14,00	182.00	133.00	45.00		- 2
14.200		16.00	204.00	152.00	48.00	*	1
14.500		16.00	204.00	152.00	48.00		
15.000		16.00	204.00	152.00	48.00		
15.500		16.00	204.00	152.00	48.00		
16.000		16.00	204.00	152.00	48.00	4	

d1		d2 h6	H	12	13	# *		
mm	inch	mm	mm	mm	mm	件	库存	
16.500		18.00	223.00	171.00	48.00			
17.000		18.00	223.00	171.00	48.00			
17.500		18.00	223.00	171,00	48.00			
18.000		18.00	223.00	171.00	48.00			
18.500		20.00	244.00	190.00	50.00			
19.000		20.00	244.00	190.00	50.00		- 3	
19.050	3/4	20.00	244.00	190.00	50.00		9	
19.500		20.00	244.00	190.00	50.00	4.	40	
20.000		20.00	244.00	190.00	50.00	7.	- 2	

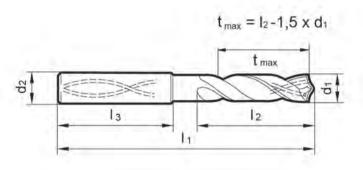
订货号





材料 表面处理 柄部形式 硬质合金 H HA





订货号 **6526** 切削方向 (R)

d1		d2 h6	11	12	13	4 4
mm	inch	mm	mm	mm	mm	库存
3.000		6.00	90.00	50.00	36.00	
3.100		6.00	90.00	50.00	36.00	
3,170	1/8	6.00	90.00	50.00	36.00	
3.200		6.00	90.00	50.00	36.00	
3.250		6.00	90.00	50.00	36.00	*
3.300		6.00	90.00	50.00	36.00	
3.400		6.00	90.00	50.00	36.00	
3_500		6.00	90.00	50.00	36.00	*
3.600		6.00	90.00	50.00	36.00	
3.700		6.00	90.00	50.00	36.00	
3.800		6.00	102.00	64.00	36.00	
3.900		6.00	102.00	64.00	36.00	
4.000		6.00	102.00	64.00	36.00	
4.100		6.00	102.00	64.00	36.00	
4.200		6,00	102.00	64.00	36.00	
4.300		6.00	102.00	64.00	36.00	
4.400		6.00	102.00	64.00	36.00	
4.500		6.00	102.00	64.00	36.00	
4.600		6.00	102.00	64.00	36.00	*
4.700		6.00	102.00	64.00	36.00	
4.800		6.00	116.00	78.00	36.00	*
4.900		6.00	116.00	78.00	36.00	
5.000		6.00	116.00	78.00	36.00	
5.100		6.00	116.00	78.00	36.00	*
5.200		6.00	116.00	78.00	36.00	
5,300		6.00	116.00	78.00	36.00	
5.400		6.00	116.00	78.00	36.00	
5.500		6,00	116.00	78.00	36.00	
5.600		6.00	116.00	78.00	36,00	
5.700		6.00	116.00	78.00	36.00	
5.800		6.00	116.00	78.00	36.00	
5.900		6.00	116.00	78.00	36.00	
6.000		6.00	116.00	78.00	36,00	
6.100		8.00	146.00	108.00	36.00	
6,200		8.00	146.00	108.00	36.00	
6.300		8.00	146.00	108.00	36.00	

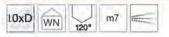
订货号	6526
切削方向	R

d1		d2 h6	11	12	13	库 存
mm	inch	mm	mm	mm	mm	14- 17-
6.350	1/4	8.00	146.00	108.00	36.00	
6.400		8.00	146.00	108.00	36.00	
6.500		8.00	146.00	108.00	36.00	
6.600		8.00	146.00	108.00	36.00	
6.700		8.00	146.00	108.00	36.00	
6.800		8.00	146.00	108.00	36.00	
6.900		8.00	146.00	108.00	36.00	
7.000		8.00		108.00	36.00	
			146.00			
7.100		8.00	146.00	108.00	36.00	
7.200		8.00	146.00	108.00	36.00	
7.300		8.00	146.00	108.00	36.00	
7.400		8.00	146.00	108.00	36.00	
7.500		8.00	146.00	108.00	36.00	
7.600		8.00	146.00	108.00	36.00	- 15
7.700		8.00	146.00	108.00	36.00	
7.800		8.00	146.00	108.00	36.00	
7.900		8.00	146.00	108.00	36.00	
8.000		8.00	146.00	108.00	36.00	
8.100		10.00	162.00	120.00	40.00	8:
8.200		10.00	162.00	120.00	40.00	
8.300		10.00	162.00	120.00	40.00	
8.400		10.00	162.00	120.00	40.00	
8.500		10.00	162.00	120.00	40.00	
8.600		10.00	162.00	120.00	40.00	
8.700		10.00	162.00	120.00	40.00	
8.800		10.00	162.00	120.00	40.00	
8.900		10.00	162,00	120.00	40.00	
9.000		10.00	162.00	120.00	40.00	
9.100		10.00	162.00	120.00	40.00	
9.200		10.00	162.00	120.00	40.00	+
9.300		10.00	162.00	120.00	40.00	*
9.400		10.00	162.00	120.00	40.00	
9.500		10.00	162.00	120.00	40.00	
9.520	3/8	10.00	162.00	120.00	40.00	
9.600		10.00	162.00	120.00	40.00	
9.700		10.00	162.00	120.00	40.00	
9.800		10.00	162.00	120.00	40.00	
9.900		10.00	162.00	120.00	40.00	
10.000		10.00	162.00	120.00	40.00	
10.200		12.00	204.00	156.00	45.00	
10.500		12.00	204.00	156.00	45.00	
11.000		12.00	204.00	156.00	45.00	
11.500		12.00	204.00	156.00	45.00	
12.000		12.00	204.00	156.00	45.00	*
12.500		14.00	230.00	182.00	45.00	*
12.700	1/2	14.00	230.00	182.00	45.00	
13.000		14.00	230.00	182.00	45.00	
13.500		14.00	230.00	182,00	45.00	
14.000		14.00	230.00	182.00	45.00	
14.500		16.00	260.00	208.00	48.00	
15.000		16.00	260.00	208.00	48.00	
15.500		16.00	260.00	208.00	48.00	
16.000		16.00	260.00	208.00	48.00	100
16.500		18.00	285.00	234.00	48.00	
17.000						
		18.00	285.00	234.00	48.00	
17.500		18.00	285.00	234.00	48.00	
18.000		18.00	285.00	234.00	48.00	
18.500		20.00	310.00	258.00	50.00	
19.000		20.00	310.00	258.00	50.00	
19.050	3/4	20.00	310.00	258.00	50.00	

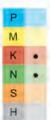
					切削方向	(R)
d1		d2 h6	I1	12	13	÷ +
mm	inch	mm	mm	mm	mm	库 存
19.500		20.00	310.00	258.00	50.00	•
20.000		20.00	310.00	258.00	50.00	

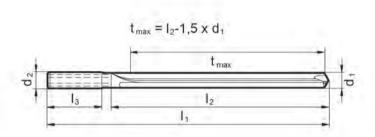


### 内冷直槽钻



材料 表面处理 柄部形式





订货号 **6514** 切削方向 **R** 

硬质合金

O HA

d2 h6 12 d1 11 13 库存 mm inch mm mm mm mm 42.00 36.00 3.000 6.00 91.00 3.170 1/8 6.00 91.00 42.00 36.00 6.00 91.00 42.00 36,00 3.250 3.300 6.00 91.00 42.00 36.00 3.500 6.00 91.00 48.00 36.00 3.570 9/64 6.00 91.00 48.00 36.00 36.00 3.800 6.00 121.00 77.00 3.970 5/32 6.00 121.00 77.00 36.00 4.000 77.00 36.00 6.00 121.00 4.200 6.00 121.00 77.00 36.00 4.500 6.00 121.00 77.00 36.00 5.000 6.00 121.00 82.00 36.00 5.500 6.00 121.00 82.00 36.00 6.000 6.00 121.00 82.00 36.00 6.350 1/4 8.00 146.00 106.00 36.00 6.500 8.00 146.00 106.00 36.00 6.800 8.00 146.00 106.00 36.00 8.00 146.00 106.00 36.00 7.000 7.500 8.00 146.00 106.00 36.00 106.00 36.00 7.800 8.00 146.00 8.000 8.00 146.00 106.00 36.00 130.00 40.00 8.500 10.00 175.00 9.000 10.00 175.00 130.00 40.00 130.00 40.00 9.500 10.00 175.00 3/8 40.00 9.520 10.00 175.00 130.00 175.00 40.00 10.000 10.00 130.00 10.200 12.00 209.00 159.00 45.00 10.500 12.00 209.00 159.00 45.00 209.00 45.00 11.000 12.00 159.00 11.500 12.00 209.00 159.00 45.00 45.00 12.000 12.00 209.00 159.00 45.00 12.500 14.00 233.00 183.00 12.700 1/2 14.00 233.00 183.00 45.00 13.000 14.00 233.00 183.00 45.00 13.500 14.00 233.00 183.00 45.00 14.000 14.00 233.00 183.00 45.00

					订货号	6514	
					切削方向	(R)	
d1		d2 h6	l1	12	13	库 存	
mm	inch	mm	mm	mm	mm	/ <del>+</del> 1f	
14,500		16.00	260.00	207.00	48.00	-	
15.000		16.00	260.00	207.00	48.00	1	
15.500		16.00	260.00	207.00	48.00	*	
16.000		16.00	260.00	207.00	48.00		

## 外冷钻头



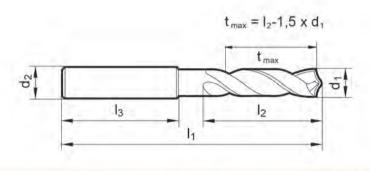
 材料
 硬质合金

 表面处理
 H

 柄部形式
 HA









 $\oplus$ 

HE

订货号 **6515 6615** 切削方向 (R) (R)

d1		d2 h6	11	12	13	12	存
mm	inch	mm	mm	mm	mm	14	15
3.000		6.00	62.00	20.00	36.00		
3.100		6.00	62.00	20.00	36.00		
3.170	1/8	6.00	62.00	20,00	36.00		
3.200		6.00	62.00	20.00	36.00		
3.250		6.00	62.00	20.00	36.00	14	- 3
3.300		6.00	62.00	20.00	36.00		
3.400		6.00	62.00	20.00	36.00		
3.500		6.00	62.00	20.00	36.00		
3.570	9/64	6.00	62.00	20.00	36.00		
3,600		6.00	62.00	20.00	36.00		
3.700		6.00	62.00	20.00	36.00		
3.800		6.00	66.00	24.00	36.00		
3.900		6.00	66,00	24.00	36.00		
3.970	5/32	6.00	66.00	24.00	36,00		
4.000		6.00	66.00	24.00	36.00		
4.100		6.00	66.00	24.00	36.00		
4.200		6.00	66.00	24.00	36.00		
4.300		6.00	66.00	24.00	36.00		9
4.370	11/64	6.00	66.00	24.00	36.00		4
4.400		6.00	66.00	24.00	36.00		
4.500		6.00	66.00	24.00	36.00		
4.600		6.00	66.00	24.00	36.00		
4.650		6.00	66.00	24.00	36.00		141
4.700		6.00	66.00	24.00	36.00		
4.760	3/16	6.00	66.00	28.00	36.00		- 0
4.800		6.00	66.00	28.00	36.00		
4.900		6.00	66.00	28.00	36.00		
5.000		6.00	66.00	28.00	36.00		
5.100		6.00	66.00	28.00	36.00		1.4
5.160	13/64	6.00	66.00	28.00	36.00		
5.200		6.00	66.00	28.00	36.00		- 4
5.300		6.00	66.00	28.00	36.00		
5.400		6.00	66.00	28.00	36.00		
5.500		6.00	66.00	28.00	36.00		
5.550		6.00	66.00	28.00	36.00		1.00
5.560	7/32	6.00	66.00	28.00	36.00		

				订货号	6515	6615
				切削方向	(R)	(R)
	21.72	 	- 1			

d1		d2 h6	- 11	12	13	库	存
mm	inch	mm	mm	mm	mm		4
5.600		6.00	66.00	28.00	36.00	*	
5.700		6.00	66.00	28.00	36.00	*	
5.800		6,00	66.00	28.00	36.00		
5.900		6.00	66.00	28.00	36.00		
5.950	15/64	6.00	66.00	28.00	36.00		
6.000		6.00	66.00	28.00	36.00		
6.100		8.00	79.00	34.00	36.00		
6.200		8.00	79.00	34.00	36.00		
6.300		8,00	79.00	34.00	36.00	4	
6.350	1/4	8.00	79.00	34.00	36.00		
6.400		8.00	79.00	34.00	36.00		
6.500		8.00	79.00	34.00	36.00		
6.600		8.00	79.00	34.00	36.00	-	-
6.700		8.00	79.00	34.00			
	47/64				36.00		
6.750	17/64	8.00	79.00	34.00	36.00		
6.800		8.00	79.00	34.00	36.00	*	
6.900		8.00	79.00	34.00	36.00		
7.000		8.00	79.00	34.00	36.00		
7.100		8.00	79.00	41.00	36.00	*	
7.140	9/32	8.00	79.00	41.00	36.00	*	
7.200		8.00	79.00	41.00	36.00	+	
7.300		8.00	79.00	41.00	36.00		
7.400		8.00	79.00	41.00	36.00		
7.500		8.00	79.00	41.00	36.00		
7.540	19/64	8.00	79.00	41.00	36.00		
7.600		8.00	79.00	41.00	36.00		
7.700		8.00	79.00	41.00	36.00		
7.800		8.00	79.00	41.00	36.00		
7.900	- man	8.00	79.00	41.00	36.00		
7.940	5/16	8.00	79.00	41.00	36.00		
8.000		8.00	79.00	41.00	36.00		
8.100		10.00	89.00	47.00	40.00		
8.200		10.00	89.00	47.00	40.00	+	
8.300		10.00	89.00	47.00	40.00	*	
8.330	21/64	10.00	89.00	47.00	40.00		
8.400		10.00	89.00	47.00	40.00		
8.500		10.00	89.00	47.00	40.00		
8.600		10.00	89.00	47.00	40.00		
8.700		10.00	89.00	47.00	40.00	4	
8.730	11/32	10.00	89.00	47.00	40.00		
8.800	00000	10.00	89.00	47.00	40.00		
8.900		10.00	89.00	47.00	40.00		
9.000		10.00	89.00	47.00	40.00	- 4	
9.100			89.00	47.00	40.00		
	53/64	10.00					
9.130	23/64	10.00	89.00	47.00	40.00	- 10	
9.200		10.00	89.00	47.00	40.00		
9.250		10.00	89.00	47.00	40.00	*	
9.300		10.00	89.00	47.00	40.00		
9.400		10.00	89.00	47.00	40.00	*	
9.500		10.00	89.00	47.00	40.00	*	
9.520	3/8	10.00	89.00	47.00	40.00		
9.600		10.00	89.00	47.00	40.00		
9.700		10.00	89.00	47.00	40.00		
9.800		10.00	89.00	47.00	40.00		
9.900		10.00	89.00	47.00	40.00		
9.920	25/64	10.00	89.00	47.00	40.00		
10.000	20104	10.00	89.00	47.00	40.00		
10.100		12.00	102.00	55.00	45.00		
10.200		12.00	102.00	55.00	45.00		
0.300		12,00	102.00	55.00	45.00	*	
		12,54	182,90	18:38	17277		

					切削方向	(R)	R
d1		d2 h6	in in	12	13	佐	存
mm	inch	mm	mm	mm	mm	14-	13:
10.320	13/32	12.00	102.00	55.00	45.00		
0.400		12.00	102.00	55.00	45.00		
0.500		12.00	102.00	55.00	45.00		
0.600		12.00	102.00	55.00	45.00		
0.700		12.00	102.00	55.00	45.00		191
0.800		12.00	102.00	55.00	45.00		
0.900		12.00	102.00	55.00	45.00		
1.000		12.00	102.00	55.00	45.00	- in-	
1.100		12.00	102.00	55.00	45.00	4	
1.110	7/16	12.00	102.00	55.00	45.00	4	
1.200		12.00	102.00	55.00	45.00		
1.300		12.00	102.00	55.00	45.00	- 2	
1.400		12.00	102.00	55.00	45.00	- 31	
1.500		12.00	102.00	55.00	45.00		
1.600		12.00	102.00	55.00	45.00		
1.700		12.00	102.00	55.00	45.00		
1.800		12.00	102.00	55.00	45.00		
1.900		12.00	102.00	55.00	45.00		
1.910	15/32	12.00	102.00	55.00	45.00		
2.000	10.10	12.00	102.00	55.00	45.00		
2.200		14.00	107.00	60.00	45.00	4	19
2.500		14.00	107.00	60.00	45.00		
2.700	1/2	14.00	107.00	60.00	45.00	4	
2.800		14.00	107.00	60.00	45.00		
3.000		14.00	107.00	60.00	45.00		
3.200		14.00	107.00	60.00	45.00		
3.500		14.00	107.00	60.00	45.00		
3.700		14.00	107.00	60,00	45.00		
4.000		14.00	107.00	60.00	45.00		
4.200		16.00	115.00	65.00	48.00		
4.290	9/16	16.00	115.00	65.00	48.00		- 2
4.500	200	16.00	115.00	65.00	48.00		3
4.700		16.00	115.00	65.00	48.00		
5.000		16.00	115.00	65.00	48.00	-	
5.200		16.00	115.00	65.00	48.00		
5.500		16.00	115.00	65.00	48.00	4	-
5.700		16.00	115.00	65.00	48.00		
6.000		16.00	115.00	65.00	48.00		0.0
6.500		18.00	123.00	73.00	48.00		
7.000		18.00	123.00	73.00	48.00		
7.500		18.00	123,00	73.00	48.00		
8.000		18.00	123.00	73.00	48.00		
8.500		20.00	131.00	79.00	50.00		
9.000		20.00	131.00	79.00	50.00		
9.500		20.00	131.00	79.00	50.00	- 1	
20.000		20.00	131.00	79.00	50.00		

订货号





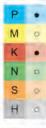


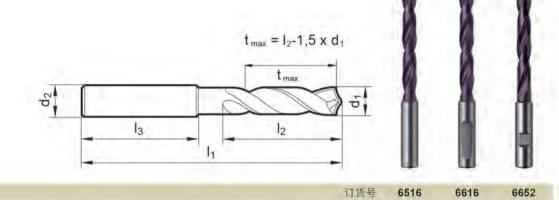
H

HE

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HB





					Arrakii - ct	(6)	(6)	6
					切削方向	(R)	(R)	R
d1		d2 h6	11	12	13		# #	
mm	inch	mm	mm	mm	mm		库存	
3.000		6.00	66.00	28.00	36.00	*		
3.100		6,00	66.00	28.00	36.00	+		
3.170	1/8	6.00	66.00	28.00	36.00			
3.200		6.00	66.00	28.00	36.00			
3.250		6.00	66.00	28.00	36.00			
3.300		6.00	66.00	28.00	36.00			- 2
3.400		6.00	66.00	28.00	36.00			
3.500		6.00	66.00	28.00	36.00			
3.570	9/64	6.00	66.00	28.00	36.00			
3.600		6.00	66.00	28.00	36.00			
3.700		6.00	66.00	28.00	36.00			- 2
3.800		6.00	74.00	36.00	36.00			
3.900		6.00	74.00	36.00	36.00			
3.970	5/32	6.00	74.00	36.00	36.00	*		
4.000		6.00	74.00	36.00	36.00	4	-	
4.100		6.00	74.00	36.00	36.00		- 81	18
4.200		6.00	74.00	36.00	36.00			
4.300		6.00	74.00	36.00	36.00	*		
4.370	11/64	6.00	74.00	36.00	36.00			
4.400		6.00	74.00	36.00	36.00			
4.500		6.00	74.00	36.00	36.00			
4.600		6.00	74.00	36.00	36.00		- 0	
4.650		6.00	74.00	36.00	36.00			
4.700		6.00	74.00	36,00	36.00	4.7		
4.760	3/16	6.00	82.00	44.00	36.00			
4.800		6.00	82.00	44.00	36.00			
4.900		6.00	82.00	44.00	36.00			- 2
5.000		6.00	82.00	44.00	36.00			
5.100		6.00	82.00	44.00	36.00			
5.160	13/64	6.00	82.00	44.00	36.00			
5.200		6.00	82.00	44.00	36.00			
5.300		6.00	82.00	44.00	36.00			
5.400		6.00	82.00	44.00	36.00	*		
5.500		6.00	82.00	44.00	36.00			
5.550		6.00	82.00	44.00	36.00	£1.		
5.560	7/32	6.00	82.00	44.00	36.00			

订货号	6516	6616	6652	
切削方向	(R)	(R)	(R)	

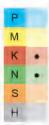
			2					
d1	1 = = = 1	d2 h6	11	12	13		库存	
mm	inch	mm	mm	mm	mm		14 17	
5.600		6.00	82.00	44.00	36.00	*		
5.700		6.00	82.00	44.00	36.00			
5.800		6.00	82.00	44.00	36.00	+		
5.900		6.00	82.00	44.00	36.00	+		14
5.950	15/64	6.00	82.00	44.00	36.00			(31)
6.000	02/2/2	6.00	82.00	44.00	36.00			
6.100		8.00	91.00	53.00	36.00			
6.200		8.00	91.00	53.00	36.00			
6.300		8.00	91.00	53.00	36.00			
	474							
6.350	1/4	8.00	91.00	53.00	36.00			
6.400		8.00	91.00	53.00	36.00			
6.500		8.00	91.00	53.00	36.00	*	*	
6.600		8.00	91.00	53.00	36.00	*		*
6.700		8.00	91.00	53.00	36,00	+:	*	9
6.750	17/64	8.00	91.00	53.00	36.00	+		*
6.800		8.00	91.00	53.00	36.00			
6.900		8.00	91.00	53.00	36.00	**		
7.000		8.00	91.00	53.00	36.00			
7.100		8.00	91.00	53.00	36.00			
7.140	9/32	8.00	91.00	53.00	36.00			
7.200	5.02	8.00	91.00	53.00	36.00	0.		
7.300		8.00	91.00	53.00	36.00	-0.		
7.400		8.00		53.00	36.00			
			91.00					
7.500	10/01	8.00	91.00	53.00	36.00			
7.540	19/64	8.00	91.00	53.00	36.00	*		
7.600		8.00	91.00	53.00	36.00	*	35	
7.700		8.00	91.00	53.00	36,00			
7.800		8.00	91.00	53.00	36.00			100
7.900		8.00	91.00	53.00	36.00			
7.940	5/16	8.00	91.00	53.00	36.00			
8.000		8.00	91.00	53.00	36.00			
8,100		10.00	103.00	61.00	40.00			
8.200		10.00	103.00	61.00	40.00			
8.300		10.00	103.00	61.00	40.00			
8.330	21/64	10.00	103.00	61.00	40.00	-		- 6
8.400		10.00	103.00	61.00	40.00			
8.500		10.00	103.00	61.00	40.00			
8.600		10.00	103.00	61.00	40.00			-
8.700		10.00		61.00	40.00			-
	44/00		103.00	900 / 50400	40.00			-
8.730	11/32	10.00	103.00	61.00	40.00			
8.800		10.00	103.00	61.00	40.00			
8.900		10.00	103.00	61.00	40.00			
9,000		10.00	103.00	61.00	40.00			
9.100		10.00	103.00	61.00	40.00	*		
9.130	23/64	10.00	103.00	61.00	40.00	+		
9.200		10.00	103.00	61.00	40.00			
9,250		10.00	103.00	61.00	40.00	6	- 0	
9.300		10.00	103.00	61.00	40.00			-
9.400		10.00	103.00	61.00	40.00			-
9.500		10.00	103.00	61.00	40.00			
9.520	3/8	10.00	103.00	61.00	40.00			
9.600	0/0	10.00	103.00	61.00	40.00			
9.700		10.00	103.00	61.00	40.00			
9.800		10.00	103.00	61.00	40.00			
0.000	2227	10.00	103.00	61.00	40.00			
9.900	25/64	10.00	103.00	61.00	40.00	*	*	
9.920	20/04			24.00	40.00	10	-	100
9.920 10.000	20/04	10.00	103.00	61.00		10.00		
	23/04	12.00	103,00 118,00	71.00	45.00		- 1	*
9.920 10.000	23/04					:		*

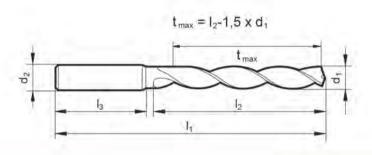
					切削方向	6516	(R)	R
		V2-27				(K)	(K)	(K)
d1		d2 h6	11	12	13		库存	
mm	inch	mm	mm	mm	mm			
10.320	13/32	12.00	118.00	71.00	45.00			
10,400		12.00	118.00	71.00	45.00	*		*
10.500		12.00	118.00	71.00	45.00	+	*	
10.600		12.00	118.00	71.00	45.00	+		
10.700		12.00	118.00	71.00	45.00	+		4.
10.800		12.00	118.00	71.00	45.00	6		- 2
10.900		12.00	118.00	71.00	45.00	5	**	
11.000		12.00	118.00	71.00	45.00			
11.100		12.00	118.00	71.00	45.00			
11.110	7/16	12.00	118.00	71.00	45.00	•		
11.200		12.00	118.00	71.00	45.00	*		1.7
11.300		12,00	118.00	71.00	45.00			,
11.400		12.00	118.00	71.00	45.00	+		,
11.500		12.00	118.00	71.00	45.00	+	Ψ.	9
11.600		12.00	118.00	71.00	45.00	*		- 2
11.700		12.00	118.00	71.00	45.00	- 6		- 2
11.800		12.00	118.00	71.00	45.00		*	- 4
11,900		12.00	118.00	71.00	45.00			
11.910	15/32	12.00	118.00	71.00	45.00			
12.000		12.00	118.00	71.00	45.00			
12.200		14.00	124.00	77.00	45.00	6.		
12.500		14.00	124.00	77.00	45.00			
12.700	1/2	14.00	124.00	77.00	45.00	+		
13.000		14.00	124.00	77.00	45.00	+		+
13.500		14.00	124.00	77.00	45.00	4."	1+1	7.4
13.700		14.00	124.00	77.00	45.00			14
14.000		14,00	124.00	77.00	45.00			- 6
14.200		16.00	133.00	83.00	48.00		141	1.4
14.290	9/16	16.00	133.00	83.00	48.00			
14.500	9, 10	16.00	133.00	83.00	48.00	-		
14.700		16.00	133.00	83.00	48.00			
15.000		16.00	133.00	83.00	48.00			
15.200		16.00	133.00	83.00	48.00			
15.500		16.00	133.00	83.00	48.00			
15.700		16.00	133.00	83.00	48.00			
16.000		16.00	133.00	83.00	48.00			
16.500		18.00	143.00	93.00	48.00		+	+
17.000		18.00	143.00	93.00	48.00			- 2
				93.00	48.00			- 1
17.500		18.00	143.00				- :	
18.000		18.00	143.00	93.00	48.00			
18.500		20.00	153.00	101.00	50.00			
19.000		20.00	153.00	101.00	50.00			
19.500		20.00	153.00	101.00	50.00			
20.000		20.00	153.00	101.00	50.00			*

## 3 刃钻



材料 硬质合金 0 表面处理 HA 柄部形式







6519

(R)

订货号

切削方向

		-	-			-
d1		d2 h6	11	12	13-	库 存
mm	inch	mm	mm	mm	mm	H 17
3.000		6.00	66.00	28.00	36.00	
3.100		6.00	66.00	28.00	36.00	
3.200		6.00	66.00	28.00	36.00	
3.300		6.00	66.00	28.00	36.00	
3.500		6.00	66.00	28.00	36.00	+
3.700		6.00	66.00	28.00	36.00	+
3.800		6.00	74.00	36.00	36.00	+
4.000		6.00	74.00	36.00	36.00	+
4.100		6.00	74.00	36.00	36.00	
4.200		6.00	74.00	36.00	36.00	-
4.500		6.00	74.00	36.00	36.00	
4.800		6.00	82.00	44.00	36.00	
5.000		6.00	82.00	44.00	36.00	
5.100		6.00	82.00	44.00	36.00	-
5.200		6.00	82.00	44.00	36.00	
5.300		6.00	82.00	44.00	36.00	
5.500		6.00	82.00	44.00	36.00	
5.800		6.00	82.00	44.00	36.00	
6.000		6.00	82.00	44.00	36.00	6
6.100		8.00	91.00	53.00	36.00	
6.200		8.00	91.00	53.00	36.00	
6.400		8.00	91.00	53.00	36.00	
6.500		8.00	91.00	53.00	36.00	
6.700		8.00	91.00	53.00	36.00	*
6.800		8.00	91.00	53.00	36.00	
7.000		8.00	91.00	53.00	36,00	*
7.100		8.00	91.00	53.00	36,00	
7.400		8.00	91.00	53.00	36.00	
7.500		8.00	91.00	53.00	36.00	+
7.800		8.00	91.00	53.00	36.00	- 2
8.000		8.00	91.00	53.00	36.00	
8.100		10.00	103.00	61.00	40.00	
8.200		10.00	103.00	61.00	40.00	
8.400		10.00	103.00	61.00	40.00	
0.500		40.00	100.00	04.00	40.00	

10.00

10.00

8.500

8.600

103.00

103.00

61.00

61.00

40.00

				订货号	6519	
				切削方向	(R)	
ai I	40.60	ta .	10	12		_

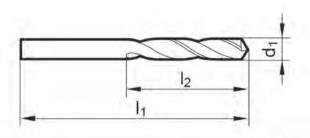
d1		d2 h6	11	12	13	d= 1=
mm	inch	mm	mm	mm	mm	库存
8.700		10.00	103.00	61,00	40.00	
8.800		10.00	103.00	61.00	40.00	4
9.000		10.00	103.00	61.00	40.00	•
9.100		10.00	103.00	61.00	40.00	
9.500		10.00	103.00	61.00	40.00	
9.800		10.00	103.00	61.00	40.00	
10.000		10.00	103.00	61.00	40.00	
10.100		12,00	118.00	71.00	45.00	
10.200		12.00	118.00	71.00	45.00	
10.300		12.00	118.00	71.00	45.00	
10.500		12.00	118.00	71.00	45.00	
11.000		12.00	118.00	71.00	45.00	
11.200		12.00	118.00	71.00	45.00	
11.500		12.00	118.00	71.00	45.00	*
11.800		12.00	118.00	71.00	45.00	
12.000		12.00	118.00	71.00	45.00	
12.100		14.00	124.00	77.00	45.00	
12.500		14.00	124.00	77.00	45.00	
13.000		14.00	124.00	77.00	45.00	
13,500		14,00	124.00	77.00	45.00	
14.000		14,00	124.00	7700	45.00	*
14.500		16.00	133.00	83.00	48.00	*
15.000		16.00	133.00	83.00	48.00	
15.500		16.00	133.00	83.00	48.00	
16.000		16.00	133.00	83.00	48.00	
16.500		18.00	143.00	93.00	48.00	
17.000		18,00	143.00	93.00	48.00	
17.500		18.00	143.00	93.00	48.00	
18.000		18.00	143.00	93.00	48.00	9
18.500		20.00	153.00	101.00	50.00	
19.000		20.00	153.00	101.00	50.00	
19,500		20.00	153.00	101.00	50.00	
20.000		20.00	153.00	101.00	50.00	

## 工具钻



材料 表面处理 柄部形式 硬质合金 0 直柄

Po M K N S H



订货号

6517

			切削方向	(R)
d1		11	12	库存
mm	inch	mm	mm	<i>i</i> + 11
2.000		38.000	12.000	*
2.100		38.000	12.000	
2.200		40.000	13.000	
2.300		40.000	13.000	
2.380	3/32	43.000	14.000	
2.400		43.000	14.000	
2.500		43.000	14.000	
2.600		43.000	14.000	
2.700		46.000	16.000	
2.780	7/64	46.000	16.000	
2.800		46.000	16.000	
2.900		46.000	16.000	
3.000		46.000	16.000	
3.100		49.000	18.000	
3.170	1/8	49.000	18.000	
3.200		49.000	18.000	
3.300		49.000	18.000	
3.400		52.000	20.000	
3.500		52,000	20.000	
3.570	9/64	52.000	20.000	
3.600		52.000	20.000	
3.700		52,000	20.000	
3.800		55.000	22.000	
3.900		55.000	22.000	
3.970	5/32	55.000	22.000	
4.000		55.000	22.000	
4.100		55.000	22.000	
4.200		55.000	22.000	
4:300		58.000	24.000	
4.370	11/64	58.000	24.000	
4.400		58.000	24.000	
4.500		58.000	24.000	
4.600		58,000	24.000	
4.700		58.000	24.000	
4.760	3/16	62.000	26.000	
4.800		62.000	26.000	

d1		11	12	库 存
mm	inch	mm	mm	/ <del>T</del> 1T
4.900		62.000	26.000	
5.000		62.000	26.000	
5.200		62.000	26.000	*
5.500		66.000	28.000	*
5.800		66.000	28.000	
6.000		66.000	28,000	
6.350	1/4	70.000	31.000	
6,500		70.000	31,000	
6.800		74.000	34.000	
7.000		74.000	34.000	
7.140	9/32	74.000	34.000	
7.500		74.000	34.000	+
7.940	5/16	79.000	37.000	
8.000		79.000	37.000	
8.500		79.000	37.000	
8.730	11/32	84.000	40.000	
8.800		84.000	40.000	
9.000		84.000	40.000	
9.500		84.000	40,000	
10.000		89.000	43.000	
10,200		89.000	43,000	
10.500		89.000	43,000	+
11.000		95.000	47.000	
11.110	7/16	95.000	47.000	
11.500		95.000	47.000	
11.910	15/32	102.000	51,000	
12.000		102.000	51.000	

订货号

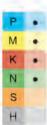
# 工具钻

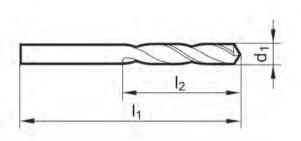


 材料
 HSCO

 表面处理
 ⑤

 柄部形式
 直柄









			订货号	6525	6521
			切削方向	(R)	(R)
d1		11	12	库	存
mm	inch	mm	mm		15
1.000		26.000	6.000		
1.100		28.000	7.000		
1.200		30,000	8.000	4	
1.300		30.000	8.000	9	
1.400		32.000	9.000		16
1.500		32.000	9.000		
1.600		34.000	10.000		
1.700		34.000	10.000		
1.800		36.000	11.000		
1.900		36.000	11.000	100	
2.000		38.000	12.000		1.2
2.100		38.000	12.000		
2.200		40.000	13,000	*	100
2.300		40,000	13.000	*	
2.380	3/32	43.000	14.000	14	
2.400		43.000	14.000		
2.500		43.000	14.000	19	-
2.600		43.000	14.000	- 2	
2.700		46.000	16.000		
2.780	7/64	46.000	16.000		
2.800		46.000	16.000		
2.900		46.000	16.000		
3.000		46.000	16.000		1.0
3.100		49.000	18.000		
3.170	1/8	49.000	18.000	*	
3.200		49.000	18.000	*	
3.300		49.000	18.000	*	
3.400		52.000	20.000		
3.500		52.000	20.000		
3.570	9/64	52.000	20.000		
3.600		52.000	20.000		
3.700		52.000	20.000		1.0
3.800		55.000	22.000		
3.900		55.000	22,000	*	
3.970	5/32	55.000	22.000		
4.000		55.000	22.000		100

订货号	6525	6521
切削方向	(R)	R

d1		l1	12	库	存
mm	inch	mm	mm	14	
4.100		55,000	22,000	+	
4.200		55.000	22.000	4	
4.300		58.000	24.000	- 4	
4.370	11/64	58.000	24.000	1000	
4.400	11104	58.000	24.000		
4.500		58.000	24.000		
4.600		58.000	24.000		
4.700		58.000	24.000		
	2/46				
4.760	3/16	62.000	26,000		
4.800		62.000	26,000	*	
4.900		62.000	26.000		
5.000		62.000	26,000	4	
5.100		62.000	26,000		*
5.160	13/64	62.000	26,000	*	
5.200		62.000	26,000		
5.300		62.000	26.000		
5.400		66.000	28.000		
5.500		66.000	28.000		
5.560	7/32	66.000	28,000	- 2	
5.600	47.35	66.000	28.000		
5.700		66,000	28.000	*	
5.800		66.000	28.000		
5.900		66.000	28.000	4	
5.950	15/64	66.000	28.000		
	15/04				
6.000		66.000	28.000		
6.100		70.000	31.000		
6.200		70.000	31,000		
6.300	444	70.000	31.000	2	
6.350	1/4	70.000	31.000		
6.400		70.000	31.000		
6.500		70.000	31,000	,	
6.600		70.000	31,000		
6.700		70.000	31,000		
6.800		74.000	34.000	.9	
6.900		74.000	34.000	14	
7.000		74.000	34.000	4	
7.100		74.000	34.000	4	
7.140	9/32	74.000	34.000		
7.200	0.07	74.000	34,000		
7.300		74.000	34.000		
7.400		74.000	34.000		
7.500		74.000	34,000		
7.600		79.000	37,000	*	
7.700		79.000	37,000		
7.800		79.000	37,000	+	+
7.900		79.000	37,000	750	
7.940	5/16	79.000	37.000	19.	
8.000		79.000	37.000	1.4	
8.100		79.000	37.000		
8.200		79.000	37.000		
8.300		79.000	37.000		
8.400		79.000	37,000		
8.500		79.000	37.000	4	
8.600		84.000	40,000		
8.700		84.000	40.000	4	
	11/32				
8.730	11/52	84.000	40.000	7	
8.800		84.000	40.000	1.5	
8.900		84.000	40.000		
9.000		84.000	40.000		
9.100		84.000	40.000		

			订货号	6525	6521
		7	切削方向	R	(R)
d1		11	12	rds.	
mm	inch	mm	mm	库	行
9.200		84.000	40.000		
9.300		84.000	40.000	16	
9.400		84.000	40.000	100	
9.500		84.000	40.000	+	+
9.600		89.000	43.000	1.0	+
9.700		89.000	43.000	10	
9.800		89.000	43.000	16	+
9.900		89.000	43.000	16	
10.000		89.000	43.000	- 1	
10.100		89.000	43.000	0.0	
10.200		89.000	43.000		
10.300		89.000	43.000		
10.400		89,000	43.000	14	
10.500		89,000	43.000	16	+
11.000		95.000	47.000		#.
11.110	7/16	95.000	47.000	+	9
11.500		95.000	47.000	16	
12.000		102.000	51.000	16	9.
12.500		102.000	51.000	16	
13.000		102.000	51.000		91
13.500		107.000	54.000		
14.000		107.000	54.000		



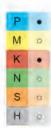


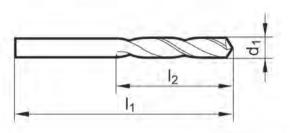
材料 表面处理 柄部形式

订货号

切削方向

HSS-E-PM S 直柄







6522 (R)

d1		11	12	
mm	inch	mm	mm	库存
1.000		26.000	6.000	
1.100		28.000	7.000	
1.200		30.000	8.000	
1.300		30.000	8.000	
1.400		32.000	9.000	
1.500		32.000	9.000	
1.600		34.000	10.000	
1.700		34.000	10.000	
1.800		36.000	11.000	
1,900		36.000	11.000	
2.000		38.000	12.000	
2.100		38.000	12.000	
2.200		40.000	13,000	
2.300		40.000	13.000	
2.380	3/32	43.000	14.000	
2.400		43.000	14.000	
2.500		43.000	14.000	400
2.600		43.000	14.000	
2.700		46.000	16.000	
2.780	7/64	46.000	16.000	
2.800		46,000	16.000	
2.900		46.000	16.000	
3.000		46.000	16.000	
3.100		49.000	18.000	
3.170	1/8	49.000	18.000	
3.200		49.000	18.000	
3.300		49.000	18.000	
3.400		52.000	20.000	
3.500		52.000	20.000	
3.570	9/64	52.000	20.000	
3.600		52.000	20.000	
3.700		52.000	20.000	
3.800		55.000	22.000	
3.900		55.000	22.000	
	00.30	20000	P.D. Carlo	

22.000

22.000

3.900 3.970

4.000

5/32

55.000

订货号 **6522** 切削方向 (R)

d1		n n	12	库存
mm	inch	mm	mm	F 17
4.100		55,000	22.000	4
4.200		55.000	22.000	
4.300		58.000	24.000	
4.370	11/64	58.000	24.000	
4.400	11,01	58.000	24.000	-4
4.500		58.000	24.000	
4.600		58.000	24.000	
4.700	2012	58,000	24.000	
4.760	3/16	62.000	26.000	
4.800		62,000	26.000	
4.900		62.000	26.000	
5.000		62.000	26.000	
5.100		62.000	26.000	
5.160	13/64	62.000	26.000	
5.200		62.000	26.000	
5.300		62.000	26.000	
5.400		66.000	28.000	
5.500		66.000	28.000	
5.560	7/32	66,000	28.000	
5.600	7702	66,000	28.000	
5.700		66.000	28.000	
5.800		66.000	28.000	
5.900	16.01	66.000	28.000	
5.950	15/64	66.000	28.000	
6.000		66.000	28.000	
6.100		70.000	31.000	
6.200		70.000	31,000	
6.300		70.000	31.000	
6.350	1/4	70.000	31.000	
6.400		70.000	31,000	
6.500		70.000	31.000	
6.600		70.000	31.000	
6.700		70.000	31.000	
6.800		74.000	34.000	
6.900		74.000	34.000	
7.000		74.000		
			34.000	
7.100	0.000	74.000	34.000	
7.140	9/32	74.000	34.000	
7.200		74.000	34.000	
7.300		74.000	34.000	
7.400		74.000	34,000	
7.500		74.000	34.000	
7.600		79.000	37.000	-
7.700		79.000	37.000	*
7.800		79.000	37,000	
7.900		79.000	37.000	
7.940	5/16	79.000	37.000	
8.000	20.19	79.000	37.000	4
8.100		79.000	37.000	
8.200		79.000	37.000	
8.300		79.000	37.000	- 5
8.400		79.000	37.000	
8.500		79.000	37.000	
8.730	11/32	84.000	40,000	
8.800		84.000	40.000	
9.000		84.000	40.000	*
9.300		84.000	40.000	
3.300				
		84.000	40.000	
9.500 9.800		84.000 89.000	43.000	

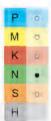
			订货号	6522
			切削方向	(R)
d1		I1	12	库存
mm	inch	mm	mm	件 行
10.200		89.000	43.000	•
10.500		89.000	43.000	•
11.000		95.000	47.000	•
11.110	7/16	95.000	47.000	•
11.500		95.000	47.000	
12.000		102.000	51.000	•
12.500		102.000	51.000	9.0
13.000		102.000	51.000	•
13.500		107.000	54.000	
14.000		107.000	54.000	•

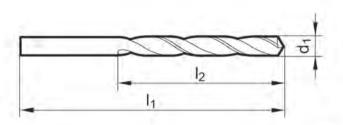






材料 表面处理 柄部形式 硬质合金 直柄







订货号 切削方向 6518

R

d1		11	12	库存
mm	inch	mm	mm	件符
2.000		49.000	24.000	*
2.100		49.000	24.000	
2.200		53.000	27.000	
2.300		53.000	27.000	
2.380	3/32	57.000	30.000	
2.400		57.000	30.000	
2.500		57.000	30.000	
2.600		57.000	30.000	
2.700		61.000	33,000	*
2.780	7/64	61.000	33.000	+
2,800		61.000	33.000	
2.900		61.000	33.000	
3.000		61.000	33.000	
3.100		65.000	36.000	
3.170	1/8	65.000	36.000	
3.200		65.000	36.000	
3.300		65.000	36.000	4.5
3.400		70.000	39.000	-
3.500		70.000	39.000	
3.570	9/64	70.000	39.000	
3.600		70.000	39.000	+
3.700		70.000	39.000	+
3.800		75.000	43.000	- 2
3.900		75.000	43.000	*
3.970	5/32	75.000	43.000	
4.000		75.000	43.000	
4.100		75.000	43.000	
4.200		75.000	43.000	
4.300		80.000	47.000	
4.370	11/64	80.000	47.000	
4.400		80.000	47.000	
4.500		80.000	47.000	4
4.600		80.000	47.000	
4.700		80.000	47.000	
4.760	3/16	86.000	52.000	14
4.800		86.000	52.000	

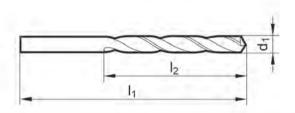
订货号	6518	
切削方向	(R)	

d1		11	12	库 存
mm	inch	mm	mm	74 17
4.900		86.000	52.000	.*
5.000		86.000	52.000	4
5.160	13/64	86.000	52.000	4
5.500		93.000	57.000	4
5.560	7/32	93.000	57.000	
5.950	15/64	93.000	57.000	
6.000		93.000	57.000	
6.350	1/4	101.000	63.000	
6.500		101.000	63.000	
6.800		109.000	69.000	
7.000		109.000	69.000	
7.140	9/32	109.000	69.000	
7,500		109.000	69.000	
7.940	5/16	117.000	75.000	- 4
8.000		117.000	75.000	
8.500		117.000	75.000	
8.730	11/32	125.000	81.000	
9.000		125.000	81.000	
9.500		125.000	81.000	
10.000		133.000	87.000	
10.200		133.000	87.000	
10.500		133.000	87.000	
11.000		142.000	94.000	
11.110	7/16	142.000	94.000	1941
11.500		142.000	94.000	9
11.910	15/32	151.000	101.000	
12.000		151.000	101.000	



材料		HSCO		
171 177		11300		
表面处理	0		S	
柄部形式	直柄		直柄	

M K N S H



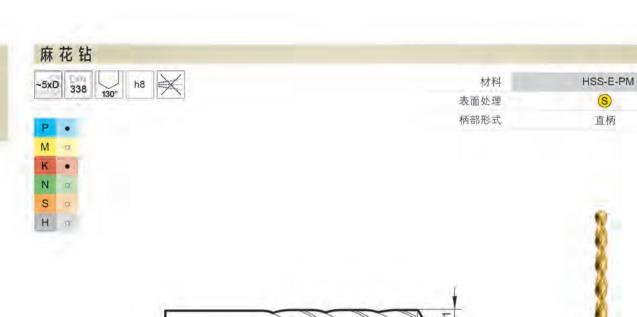


			11页号	6524	6520
			切削方向	R	R
d1		11	12	DE:	<i>†</i> =
mm	inch	mm	mm	库 存	
1,000		34.000	12.000		
1.100		36.000	14.000		
1.200		38.000	16.000		*
1.300		38.000	16.000		
1.400		40.000	18.000		
1.500		40.000	18.000		
1.600		43.000	20.000		
1.700		43.000	20.000		
1.800		46.000	22.000		
1.900		46.000	22.000		
2.000		49.000	24.000		
2.100		49.000	24.000		-6
2,200		53.000	27.000		41
2.300		53.000	27.000		
2.380	3/32	57.000	30.000		
2.400		57.000	30.000		- 4
2.500		57.000	30.000		- 40
2.600		57.000	30.000		
2.700		61.000	33.000		
2.780	7/64	61.000	33.000		
2.800		61.000	33.000		
2.900		61.000	33.000		
3.000		61.000	33.000		
3.100		65.000	36.000		
3.170	1/8	65.000	36.000		
3.200		65.000	36.000		
3.300		65.000	36.000		
3.400		70.000	39.000		- 4
3.500		70.000	39.000		
3.570	9/64	70.000	39.000		
3,600		70.000	39.000		
3.700		70.000	39,000		
3.800		75.000	43.000		
3.900		75.000	43.000		
3.970	5/32	75.000	43.000		
4.000		75.000	43.000		

订货号	6524	6520	
切削方向	(R)	(R)	

d1		I1	12	库	存
mm	inch	mm	mm	- 77	146
4.100		75.000	43,000	*	
4.200		75.000	43.000		- 4
4.300		80.000	47.000	*	
4.370	11/64	80.000	47.000		
4.400		80.000	47.000		
4.500		80.000	47.000		
4.600		80.000	47.000		
4.700		80.000	47.000		
4.760	3/16	86.000	52.000		
4.800	3/10	86.000	52.000		
4.900		86.000	52.000		
5.000		86.000	52.000		
5.100	10001	86.000	52.000		
5.160	13/64	86.000	52.000		
5.200		86.000	52.000		
5.300		86.000	52,000		
5.400		93.000	57.000		•
5.500		93,000	57.000	*	
5.560	7/32	93.000	57.000		
5.600		93,000	57.000	16	+
5.700		93,000	57.000		
5.800		93.000	57.000	18.	9
5.900		93.000	57.000		- 4
5.950	15/64	93.000	57.000	1.0	
6.000		93.000	57.000	17	
6.100		101.000	63.000		
6.200		101.000	63.000		
6.300		101.000	63.000		
6.350	1/4	101.000	63.000	1	
	11.4				
6,400		101.000	63.000		,
6.500		101,000	63.000		,
6.600		101.000	63.000		
6.700		101.000	63,000	,	
6.800		109.000	69.000		
6.900		109.000	69.000	150	
7.000		109.000	69.000		
7.100		109.000	69.000		
7.140	9/32	109.000	69.000		
7.200		109,000	69.000		
7.300		109.000	69.000	16	
7.400		109,000	69.000	- 2	
7.500		109,000	69.000	- 1	
7.600		117.000	75.000	100	
7.700		117.000	75.000		
7.800		117.000	75.000	1.5	
		117.000			
7.900	EMO		75.000		
7.940	5/16	117.000	75.000		
8.000		117.000	75.000		
8,100		117,000	75.000		
8.200		117,000	75.000		
8.300		117,000	75.000	1.0	
8.400		117.000	75.000		
8.500		117.000	75.000	16.	
8.600		125.000	81.000		9
8.700		125.000	81.000		
8.730	11/32	125.000	81.000		-
8.800	11000	125.000	81.000		
1014		125.000	81.000		
8 900			01,000		
8.900 9.000		125.000	81.000		

			订货号	6524	6520
			切削方向	R	R
d1		ti .	12	库	1=
mm	inch	mm	mm	件	17
9.200		125.000	81,000		
9.300		125.000	81.000		+
9,400		125.000	81.000		+
9.500		125.000	81.000	+	+
9.600		133.000	87.000		40
9.700		133.000	87.000		- *
9.800		133.000	87.000		
9.900		133.000	87.000		
10.000		133.000	87.000		
10.100		133.000	87.000		
10.200		133.000	87.000		
10.300		133.000	87.000		
10.400		133,000	87.000		+
10.500		133.000	87.000		+1
11.000		142.000	94,000	+	+1-
11.110	7/16	142.000	94.000		*
11.500		142.000	94.000		
12.000		151.000	101.000		
12,500		151.000	101.000		
13.000		151.000	101.000		
13.500		160.000	108.000		
14.000		160.000	108.000		

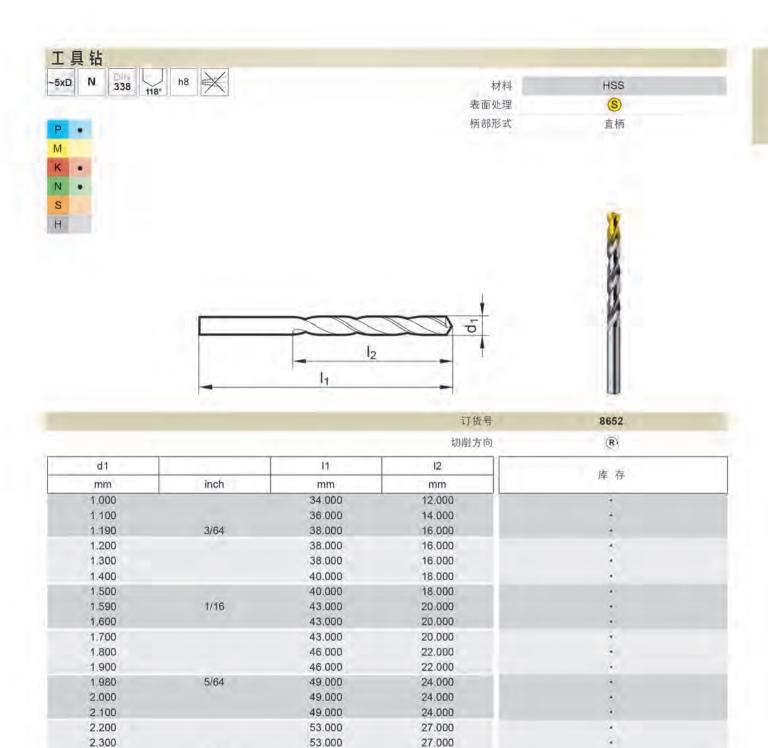


		订货号	6523
		切削方向	(R)
11	11	12	库 存
nm in	ch mm	mm	14 17
000	34.000	12.000	
100	36.000	14.000	
200	38.000	16.000	
300	38.000	16.000	
400	40.000	18.000	
500	40.000	18.000	
600	43.000	20.000	
700	43.000	20.000	+
800	46.000	22,000	
900	46.000	22.000	
000	49.000	24.000	*
100	49.000	24.000	* -
200	53.000	27.000	*
300	53.000	27.000	
380 3/	32 57.000	30.000	
400	57,000	30.000	
500	57.000	30.000	
600	57.000	30.000	
700	61.000	33.000	
780 7/	64 61.000	33.000	
800	61.000	33.000	
900	61.000	33.000	
000	61.000	33.000	
100	65.000	36.000	
170 1	/8 65.000	36.000	
200	65.000	36.000	
300	65,000	36.000	
400	70.000	39,000	
500	70.000	39.000	
570 9/	64 70.000	39,000	
600	70.000	39.000	
700	70.000	39.000	
800	75.000	43.000	
900	75.000	43.000	
970 5/	32 75.000	43.000	
000	75.000	43.000	

订货号 **6523** 切削方向 (R)

d1		11	12	库 存
mm	inch	mm	mm	14 1f
4.100		75.000	43.000	
4.200		75.000	43.000	2
4.300		80.000	47.000	1
4.370	11/64	80.000	47.000	4
	11/04			
4.400		80.000	47.000	
4.500		80.000	47.000	
4.600		80.000	47.000	
4.700		80.000	47.000	
4.760	3/16	86.000	52.000	*
4.800		86.000	52.000	*
4.900		86.000	52.000	
5.000		86,000	52.000	+
5.100		86.000	52.000	+
5.160	13/64	86.000	52.000	+
5.200		86.000	52.000	
5.300		86.000	52.000	
5.400		93.000	57.000	
5.500		93.000	57.000	
5.560	7/32	93.000	57.000	
5.600	1102	93.000	57.000	
5.700		93.000	57.000	
5,800		93,000	57,000	
5.900		93.000	57,000	
5.950	15/64	93.000	57.000	*
6.000		93.000	57.000	*
6.100		101.000	63.000	*
6.200		101.000	63,000	*
6.300		101.000	63,000	
6.350	1/4	101.000	63,000	
6.400		101.000	63.000	
6.500		101,000	63,000	
6.600		101.000	63,000	
6.700		101.000	63.000	
6.800		109.000	69.000	
6.900		109.000	69.000	
7.000		109.000	69.000	
7.100		109.000	69.000	- in
	0/00			
7.140	9/32	109.000	69.000	
7.200		109.000	69.000	•
7.300		109.000	69.000	
7.400		109.000	69.000	
7.500		109.000	69.000	
7.600		117.000	75.000	*
7.700		117.000	75.000	+
7.800		117.000	75,000	+
7.900		117.000	75.000	
7.940	5/16	117.000	75.000	4
8.000	20.12	117.000	75.000	4
8.100		117.000	75.000	
8.200		117.000	75.000	
8.300		117.000	75.000	
8.400		117.000	75.000	
8.500	0102	117.000	75,000	
8.730	11/32	125.000	81.000	
8.800		125.000	81,000	*
9.000		125.000	81,000	
9.300		125,000	81,000	+
9.500		125.000	81.000	+
9.800		133.000	87.000	16
9.000				

			切削方向	(R)
d1		lf -	12	# #
mm	inch	mm	mm	库存
10.200		133.000	87.000	
10.500		133,000	87.000	
11.000		142.000	94.000	
11.110	7/16	142.000	94.000	
11.500		142,000	94.000	
12.000		151,000	101.000	
12.500		151,000	101.000	
13.000		151,000	101.000	
13.500		160,000	108.000	
14.000		160.000	108.000	



30.000

30.000

57.000

57.000

3/32

2.380

订货号 **8652** 切削方向 **R** 

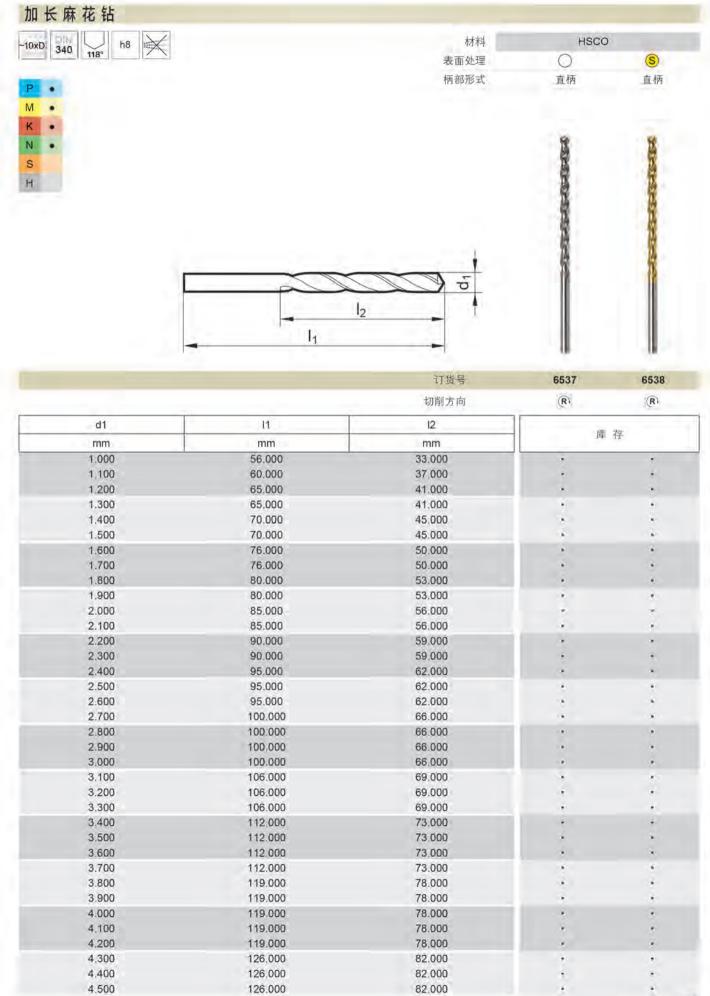
d1		l1	12	库 存
mm	inch	mm	mm	
3.900		75.000	43,000	*
3.970	5/32	75.000	43.000	*
4.000		75.000	43.000	•
4.100		75.000	43.000	
4.200		75.000	43.000	
4.300	9.25	80.000	47.000	
4.370	11/64	80,000	47.000	
4.400		80.000	47.000	
4.500		80.000	47.000	
4.600		80.000	47,000	
4.700		80.000	47.000	
4.760	3/16	86.000	52.000	*
4.800		86.000	52.000	
4.900		86.000	52.000	
5.000		86.000	52.000	
5.100		86.000	52.000	
5.160	13/64	86.000	52.000	
5.200		86.000	52.000	
5.300		86.000	52.000	*
5.400		93.000	57.000	+
5.500		93.000	57.000	
5.560	7/32	93.000	57.000	
5,600		93.000	57.000	
5.700		93.000	57.000	
5.800		93.000	57.000	
5.900		93.000	57.000	
5.950	15/64	93.000	57.000	
6.000	7.75	93,000	57.000	
6.100		101.000	63.000	
6.200		101.000	63.000	
6.300		101.000	63.000	
6.350	1/4	101,000	63.000	
6.400	"."	101.000	63.000	
6.500		101.000	63.000	
6.600		101.000	63.000	
6.700		101.000	63.000	
6.750	17/64	109.000	69.000	
6.800	7170-7	109.000	69.000	
6.900		109.000	69.000	
7.000		109.000	69.000	
7.100		109.000	69.000	
7.140	9/32	109.000	69.000	
7.140	UIUE	109.000	69.000	
7.300		109.000	69.000	
7.400		109.000	69.000	
7.500		109.000		
7.540	19/64	117.000	69.000 75.000	
	19/04			
7.600		117.000	75.000	
7.700		117,000	75.000	
7.800		117,000	75.000	
7.900	FAR	117,000	75.000	
7.940	5/16	117.000	75.000	
8.000		117.000	75.000	•
8.100		117.000	75.000	•
8.200		117.000	75.000	
8.300		117.000	75.000	
8,330	21/64	117.000	75.000	
8.400		117.000	75.000	
8.500		117.000	75.000	*
8,600		125.000	81.000	

订货号 **8652** 切削方向 **R** 

d1		11	12	库存
mm	inch	mm	mm	H- 17:
8.700		125.000	81.000	
8.730	11/32	125.000	81.000	
8.800	100000	125.000	81.000	
8.900		125.000	81.000	
9.000		125.000	81.000	
9.100		125.000	81.000	
9.130	23/64	125.000	81.000	
9.200	20/04	125.000	81.000	
9.300		125.000	81.000	
9.400		125.000	81.000	
9.500		125.000	81.000	
9.520	3/8	133.000	87.000	
9.600	5/0	133,000	87.000	
9.700		133,000	87.000	
9.800		133.000	87.000	
9.900	OF ICA	133.000	87.000	1
9.920	25/64	133.000	87.000	
10.000		133,000	87.000	•
10.100		133.000	87.000	
10.200		133.000	87.000	•
10.300	1000	133.000	87.000	•
10.320	13/32	133.000	87.000	•
10.400		133,000	87.000	
10,500		133.000	87.000	*
10.600		133.000	87.000	*
10.700		142,000	94.000	
10.720	27/64	142.000	94.000	
10.800		142.000	94.000	
10.900		142.000	94.000	
11.000		142.000	94.000	
11.100		142.000	94.000	
11.110	7/16	142.000	94.000	
11.200		142.000	94.000	
11.300		142.000	94.000	
11.400		142,000	94.000	
11.500		142.000	94.000	
11.510	29/64	142.000	94.000	+
11.600		142,000	94.000	+
11.700		142.000	94.000	
11.800		142.000	94.000	
11.900		151.000	101.000	
11.910	15/32	151.000	101.000	
12.000		151.000	101.000	•
12,100		151.000	101.000	
12.200		151.000	101.000	
12.300	31/64	151.000	101.000	
12.400		151.000	101.000	
12,500		151.000	101,000	
12.600		151,000	101.000	
12.700	1/2	151.000	101.000	4
12.800		151.000	101.000	1
12,900		151.000	101.000	
13.000		151.000	101.000	
13.100	33/64	151.000	101.000	
13.200	50.00	151.000	101.000	
13.250		160.000	108.000	
13.300		160.000	108.000	
13.400		160.000	108.000	
	17/32	160.000	108.000	
13.490				

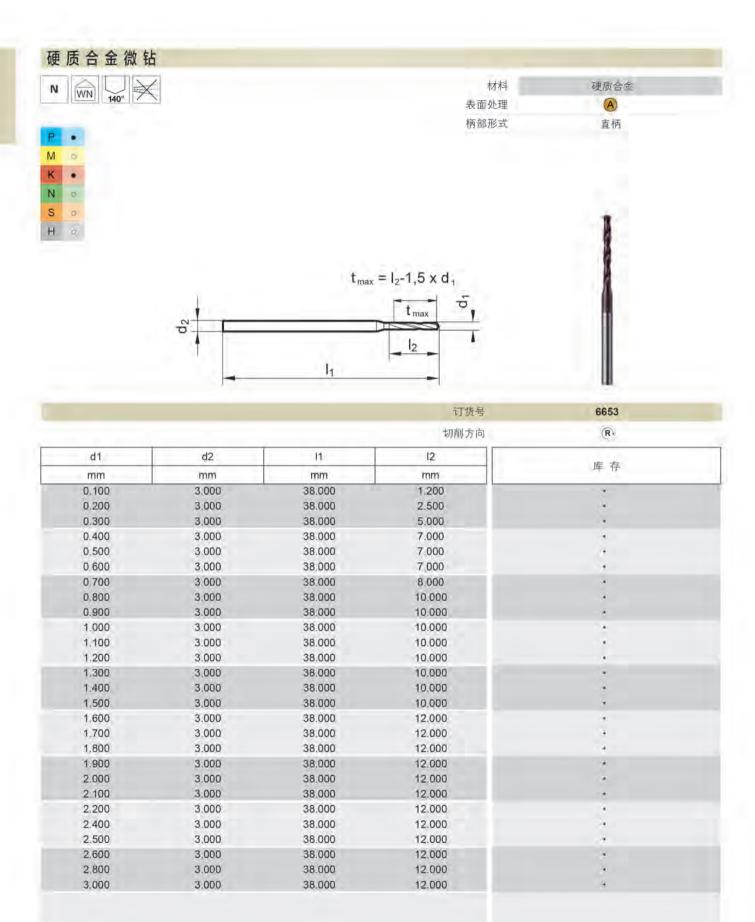
d1		11	12	库左
mm	inch	mm	mm	库存
13.600		160.000	108.000	
13.700		160.000	108.000	4
13.750		160.000	108.000	+
13.800		160.000	108.000	- 9-
13.890	35/64	160.000	108.000	4.4
13.900		160.000	108.000	
14.000		160.000	108.000	
14.250		169.000	114.000	
14.290	9/16	169,000	114.000	
14.500		169.000	114.000	
14.680	37/64	169.000	114.000	
14.750		169.000	114.000	
15.000		169.000	114.000	+
15.080	19/32	178.000	120.000	- 4
15.250		178.000	120.000	- 1
15.480	39/64	178.000	120.000	
15.500		178.000	120,000	-14
15.750		178.000	120,000	
16.000		178.000	120 000	

订货号



		订货号	6537	653
		切削方向	R	R
d1	TI -	12	it.	存
mm	mm	mm		15.
4.600	126.000	82.000		*
4.700	126 000	82.000	14	
4.800	132.000	87.000		
4.900	132.000	87.000	- 6	
5.000	132.000	87.000	- 4	
5.100	132.000	87.000		
5.200	132.000	87.000		
5.300	132 000	87.000	1.0	
5.400	139.000	91.000		
5.500	139.000	91.000		
5.600	139.000	91.000		+
5.700	139,000	91.000		40
5.800	139.000	91.000		4.
5.900	139.000	91.000		6
6.000	139.000	91.000		
		The latest and the la	-	
6.100	148.000	97.000		
6.200	148.000	97.000		
6.300	148.000	97.000		
6.400	148.000	97.000		
6.500	148.000	97.000	9.0	
6.600	148.000	97.000		
6,700	148,000	97.000		
6.800	156.000	102.000	14	+
6.900	156.000	102.000	+	+
7.000	156.000	102.000		
7.100	156.000	102.000		
7.200	156,000	102.000		
7.300	156.000	102.000		
7.400	156.000	102.000		
7.500	156.000	102.000		
7.600	165.000	109.000		
7.700	165.000	109.000		
7.800	165.000	109,000		-
7.900	165.000	109.000		- 2
8.000	165.000	109.000	1	-
8.100	165.000	109.000	4	
		109.000		
8.200	165.000			
8.300	165.000	109.000		
8.400	165,000	109.000		
8.500	165.000	109.000		
8.600	175.000	115.000		
8.700	175.000	115.000		
8.800	175.000	115,000		
8.900	175.000	115.000	*	*
9.000	175.000	115.000		
9.100	175.000	115.000		
9.200	175.000	115.000	14	4
9.300	175.000	115.000	16	6
9.400	175.000	115,000	16	
9.500	175.000	115.000		
9.600	184.000	121.000		
9.700	184.000	121.000		
9.800	184.000	121.000		
9,900	184.000	121.000		
10.000	184.000	121.000	3	2
10,100	184,000	121,000		*
10,200	184,000	121,000		
10.300	184.000	121,000		-
10.400	184.000	121.000		
10.500	184,000	121.000		6

mm         mm         mm         mm         库存           11.000         195.000         128.000         •           11.500         195.000         128.000         •           12.000         205.000         134.000         •           12.500         205.000         134.000         •	d1	11	12		_
11.000     195.000     128.000     -       11.500     195.000     128.000     -       12.000     205.000     134.000     +       12.500     205.000     134.000     -				库	存
11.500     195.000     128.000     +       12.000     205.000     134.000     +       12.500     205.000     134.000     +		1			+
12.000 205.000 134.000 + 12.500 205.000 134.000 •	11.500				+
	12.000			+	+
	12.500	205.000	134.000		
13.000 205.000 134.000	13.000	205.000	134.000		
13.500 214.000 140.000 +	13.500	214.000	140.000	14	*
14.000 140.000 •	14.000	214.000	140.000		



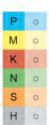
#### 142° N C 点钻

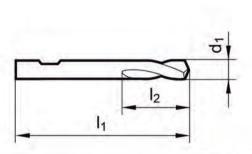
N WN 142° h6

 材料
 硬质合金

 表面处理

 柄部形式
 HB

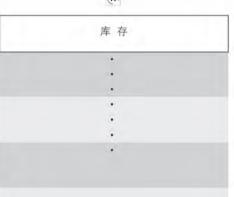


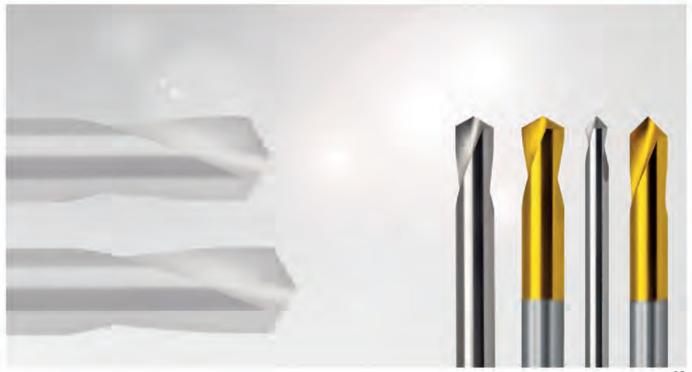




订货号 **6650** 切削方向 **R** 

d1 11 12 mm inch mm mm 4.000 55.000 12.000 6.000 66.000 16.000 8.000 79.000 21.000 10.000 25.000 89.000 12.000 102.000 30.000 16.000 115.000 37.500 20.000 131.000 45.000





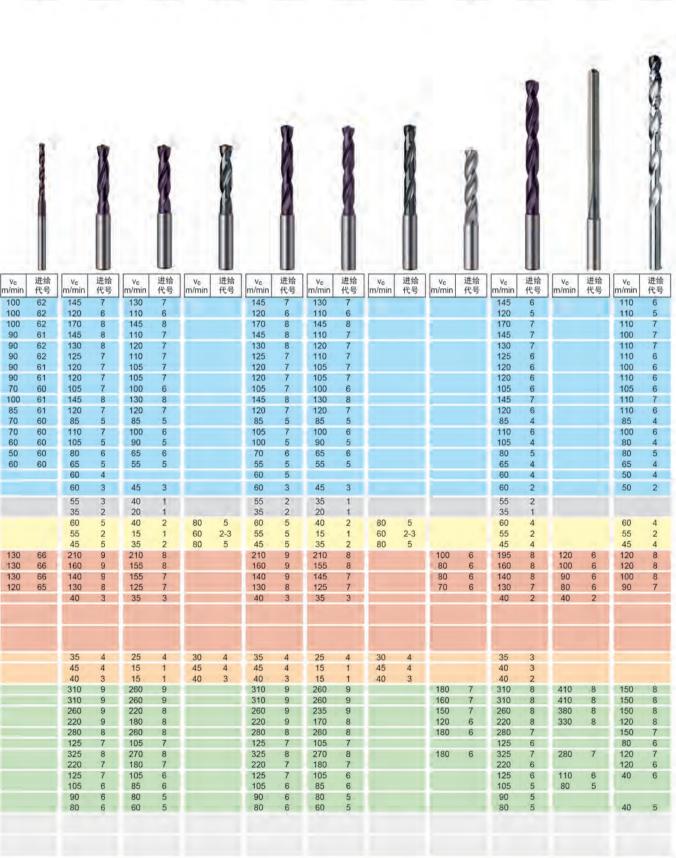
		进给代号									
直径	-1	2	3	4	5	6	7	8	9		
		W. 1		-	f (mm/rev.	)					
0.50	0.004	0.006	0.007	0.008	0.010	0.012	0.014	0.016	0.019		
1.00	0.006	0.008	0.012	0.014	0.016	0.018	0.020	0.023	0.02		
2.00	0.020	0.025	0.032	0.040	0.050	0.063	0.080	0.100	0.12		
2.50	0.025	0.032	0.040	0.050	0.063	0.080	0.100	0.125	0.160		
3.15	0.032	0.040	0.050	0.063	0.080	0.100	0.125	0.160	0.16		
4.00	0.040	0.050	0.063	0.080	0.100	0.125	0.160	0.200	0.20		
5.00	0.040	0.050	0.063	0.080	0.100	0.125	0.160	0.200	0.25		
6.30	0.050	0.063	0.080	0.100	0.125	0.160	0.200	0.250	0.31		
8.00	0.063	0.080	0.100	0.125	0.160	0.200	0.250	0.315	0.31		
10.00	0.080	0.100	0.125	0.160	0.200	0.250	0.315	0.400	0.40		
12.50	0.080	0.100	0.125	0.160	0.200	0.250	0.315	0.400	0.50		
16.00	0.100	0.125	0.160	0.200	0.250	0.315	0.400	0.500	0.63		
20.00	0.125	0.160	0.200	0.250	0.315	0.400	0.500	0.630	0.63		
25.00	0.160	0.200	0.250	0.315	0.400	0.500	0.630	0.800	0.80		
31.50	0.160	0.200	0.250	0.315	0.400	0.500	0.630	0.800	1.00		
40.00	0.200	0.250	0.315	0.400	0.500	0.630	0.800	1.000	1.25		
50.00	0.250	0.310	0.400	0.500	0.630	0.800	1.000	1.250	1.25		
63.00	0.315	0.400	0.500	0.630	0.800	1,000	1.250	1.600	1.60		
80.00	0.400	0.500	0.630	0.800	1.000	1.250	1.600	1.600	2.00		

HA HE 标准/DIN 刀具材料 表面处理 冷却方式 检索目录

工件材料	材料举例	抗拉强度	硬度	冷却方式
普通结构钢	1.0035 S185(St33), 1.0486 P275N(StE285), 1.0345 P235GH(H1), 1.0425 P265GH(H2)	≤500		0
西班布利安斯	1.0050 E295 (St50-2), 1.0070 E360 (St70-2), 1.8937 P500NH (WStE500)	≤1000		- 0
El Lindutta	1.0718 11SMnPb30 (9SMnPb28), 1.0736 11SMn37 (9SMn36)	≤850		0
易切削钢	1.0727 46S20 (45S20), 1.0728 (60S20), 1.0757 46SPb20 (45SPb20)	≤1000		0
C-80-7-2-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-	1.0402 C22, 1.1178 C30E (Ck30)	≤700		0
非合金热处理钢	1.0503 C45, 1.1191 C45E (Ck45)	≤850		0
	1.0601 C60, 1.1221 C60E (Ck60)	≤1000		
合金热处理钢	1.5131 50MnSi4, 1.7003 38Cr2, 1.7030 28Cr4	≤1000		0
百重加发生例	1.5710 36NiCr6, 1.7035 41Cr4, 1.7225 42CrMo4	≤1400		0
非合金表面硬化钢	1.0301 (C10), 1.1121 C10E (Ck10)	≤850		0
合金表面硬化钢	1.7276 10CrMo11, 1.5125 11MnSi6	≤1000		
自重水面疾行物	1.5752 15NiCr13, 1.7131 16MnCr5, 1.7264 20CrMo5	≤1400		
氧化钢	1,8504.34CrAl6	≤1000		0
#KING97	1.8519 31CrMoV9, 1.8550 34CrAINi7	≤1400		
工具钢	1.1750 C75W, 1.2067 102Cr6, 1.2307 29CrMoV9	≤850		0
工具物	1.2080 X210Cr12, 1,2083 X42Cr13, 1,2419 105WCr6, 1.2767 X45NiCrMo4	≤1400		
高速钢	1.3243 S 6-5-2-5, 1.3343 S 6-5-2, 1.3344 S 6-5-3	≤1400		
弹簧钢	1.5026 55Si7, 1.7176 55Cr3, 1.8159 51CrV4 (51CrV4)		≤350 HB	
硬化钢			≤48 HRC	
HE METHO			≤66 HRC	
不锈钢 硫化体	1.4005 X12CrS13, 1.4104 X14CrMoS17, 1.86681 X6CrMoS17, 1.4305 X8CrNiS18-9	≤900		
奥氏体	1.4301 X5CrNi18-10 (V2A), 1.4541 X6CrNiTi18-10, 1.4571 X6CrNiMoTi 17-12-2 (V4A)	≤1100		
马氏体	1.4057 X20CrNi172 (X17CrNi16-2),1.4122 X39CrMo17-1, 1.4521 X2CrMoTi18-2	≤1500		
铸铁	0.6010 EN-GJL-100 (GG10), 0.6020 EN-GJL-200 (GG20)		≤240 HB	00
切状	0.6025 EN-GJL-250 (GG25), 0.6035 EN-GJL-350 (GG35)		≤350 HB	00
of MIANA TATIONALAN	0.7050 EN-GJS-500-7 (GGG50), 0.8035 EN-GJMW-350-4 (GTW35)		≤240 HB	
球墨铸铁和可银铸铁	0.7070 EN-GJS-700-2 (GGG70), 0.8170 EN-GJMB-700-2 (GTS70)		≤350 HB	ŏ
冷硬铸铁			≤350 HB	0
蠕状石墨铸铁	EN-GJV250 (GGV25), EN-GJV350 (GGV35)		≤220 HB	00
端伙有驱场状	EN-GJV400 (GGV40), EN-GJV500 (GGV50), SiMo 6		≤300 HB	00
等温淬火球墨铸铁	EN-GJS-800-8 (ADI800), EN-GJS-1000-5 (ADI1000)	≤1000		00
守温洋人林垄桥状	EN-GJS-1200-2 (ADI1200), EN-GJS-1400-1 (ADI1400)	≤1400		00
特殊合金	Nimonic, Inconel, Monel, Hastelloy	≤2000		
钛和钛合金	3.7024 Ti99,5, 3.7114 TiAl5Sn2,5, 3.7124 TiCu2	≤850		
松州松西亚	3.7154 TiAl6Zr5, 3.7165 TiAl6V4, 3.7184 TiAl4Mo4Sn2,5, - TiAl8Mo1V1	≤1400		
铝和铝合金	3.0255 Al99,5, 3.2315 AlMgSi1, 3.3515 AlMg1	≤400		0
銀鉛合金	3.0615 AlMgSiPb, 3.1325 AlCuMg1, 3.3245 AlMg3Si, 3.4365 AlZnMgCu1,5	≤650		0
练铝	3.2131 G-AlSi5Cu1, 3.2153 G-AlSi7Cu3, 3.2573 G-AlSi9	≤600		0
FA REI	3.2581 G-AlSi12, 3.2583 G-AlSi12Cu, - G-AlSi12CuNiMg	≤600		0
镁合金铜	3.5200 MgMn2, 3.5812.05 G-MgAl8Zn1, 3.5612.05 G-MgAl6Zn1	≤400		0
低合金铜	2.0070 SE-Cu, 2.1020 CuSn6, 2.1096 G-CuSn5ZnPb	≤500		0
黄铜,短屑	2.0380 CuZn39Pb2, 2.0401 CuZn39Pb3, 2.0410 CuZn43Pb2	≤600		0
黄铜,长周	2.0250 CuZn20, 2.0280 CuZn33, 2.0332 CuZn37Pb0,5	≤600		0
青铜, 短屑	2.1090 CuSn7ZnPb, 2.1170 CuPb5Sn5, 2.1176 CuPb10Sn	≤600		00
阿 11年, <b>7</b> 年/阿	2.0790 CuNi18Zn19Pb	≤850		
事物 丛照	2.0916 CuAl5, 2.0960 CuAl9Mn, 2.1050 CuSn10	≤850		
青铜、长屑	2.0980 CuAl11Ni, 2.1247 CuBe2	≤1000		
热固性塑料	Epoxy resin, Resopal, Pertinax, Moltopren	≤150		0
		≤100		00
热塑性塑料	Plexiglass, Hostalen, Novodur, Makralon	>100		
热塑性塑料 凯夫拉纤维	Plexīglass, Hostalen, Novodur, Makralon Kevlar	≤1000		0

冷却方式 ※ 外冷 内冷





9
-
0.019
0.025
0.125
0.160
0.160
0.200
0.250
0.315
0.315
0.400
0.500

货号 刀具材料 槽型 表面处理 检索目录

0.250	0.315	0.400	0.500	0.630	
0.315	0.400	0.500	0.630	0.630	
0.400	0.500	0.630	0.800	0.800	
0.400	0.500	0.630	0.800	1.000	冷却种类
0.500	0.630	0.800	1.000	1.250	N 2027 N 2 8 1
0.630	0.800	1.000	1.250	1.250	〇气冷
0.800	1.000	1.250	1.600	1.600	● 乳化液
1.000	1 250	1 600	1.600	2,000	●切削油

8

0.016

0.023

0.100

0.125

0.160

0.200

0.200

0.250

0.315

0.400

0.400

0.014

0.020

0.080

0.100

0.125

0.160

0.160

0.200

0.250

0.315

0.315

进给代号

5

f (mm/rev.)

0,010

0.016

0.050

0.063

0.080

0.100

0.100

0.125

0.160

0.200

0.200

6

0.012

0.018

0.063

0.080

0.100

0.125

0.125

0.160

0.200

0.250

0.250

直径

0.50

1.00

2.00

2.50

3.15

4.00

5.00

6.30

8.00

10.00

12,50

16.00

20.00

25.00

31.50

40.00

50.00

63,00

80.00

1

0.004

0.006

0.020

0.025

0.032

0.040

0.040

0.050

0.063

0.080

0.080

0.100

0.125

0.160

0.160

0.200

0.250

0.315

0.400

2

0.006

0.008

0.025

0.032

0.040

0.050

0.050

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0.100

0.100

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0.160

0.200

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0.500

3

0.007

0.012

0.032

0.040

0.050

0.063

0.063

0.080

0.100

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0.080

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0.160

0.200

0.250

0.315

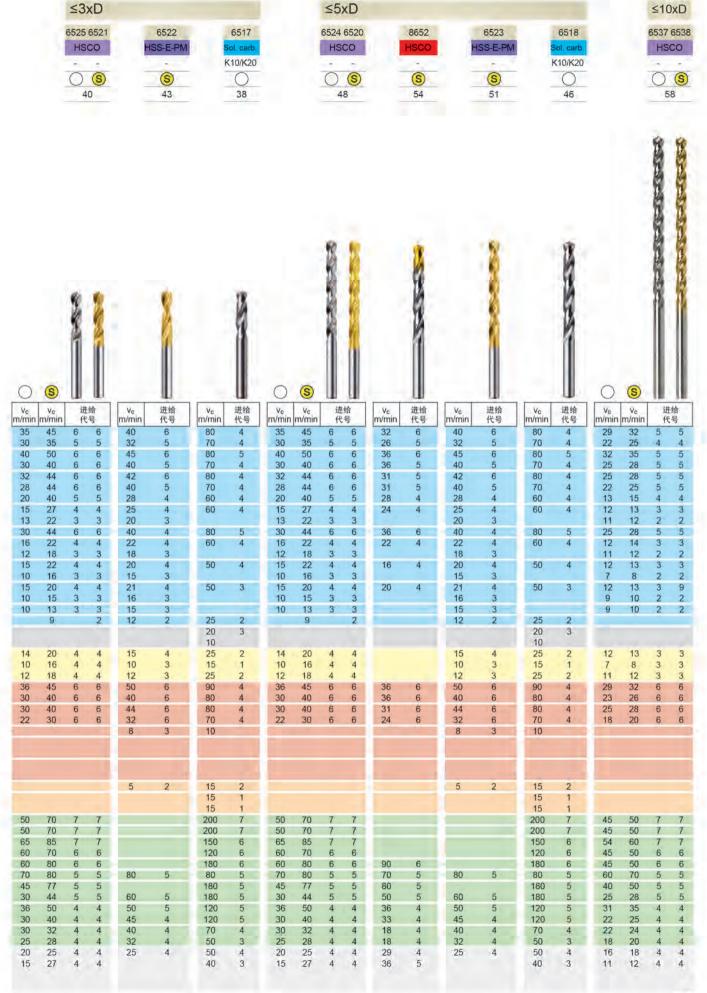
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0.500

0.630

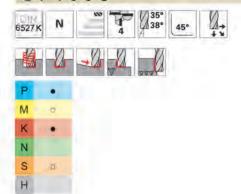
工件材料	材料举例	抗拉强度	硬度	冷却方式
普通结构钢	1.0035 S185(St33), 1.0486 P275N(StE285), 1.0345 P235GH(H1), 1.0425 P265GH(H2)	≤500		0
el misurant	1.0050 E295 (St50-2), 1.0070 E360 (St70-2), 1.8937 P500NH (WStE500)	≤1000		
D LTURING	1.0718 11SMnPb30 (9SMnPb28), 1.0736 11SMn37 (9SMn36)	≤850		0
易切削钢	1.0727 46S20 (45S20), 1.0728 (60S20), 1.0757 46SPb20 (45SPb20)	≤1000		0
	1.0402 C22, 1.1178 C30E (Ck30)	≤700		0
非合金热处理钢	1.0503 C45, 1.1191 C45E (Ck45)	≤850		0
	1.0601 C60, 1.1221 C60E (Ck60)	≤1000		0
合金热处理钢	1.5131 50MnSi4, 1.7003 38Cr2, 1.7030 28Cr4	≤1000		0
自並加XL注的	1.5710 36NiCr6, 1.7035 41Cr4, 1.7225 42CrMo4	≤1400		0
非合金表面硬化钢	1.0301 (C10), 1.1121 C10E (Ck10)	≤850		0
合金表面硬化钢	1.7276 10CrMo11, 1.5125 11MnSi6	≤1000		
白重农园农凡的	1.5752 15NiCr13, 1.7131 16MnCr5, 1.7264 20CrMo5	≤1400		
氰化钢	1.8504 34CrAl6	≤1000		0
IRC PLAN	1,8519 31CrMoV9, 1,8550 34CrAINi7	≤1400		
工具钢	1.1750 C75W, 1.2067 102Cr6, 1.2307 29CrMoV9	≤850		0
工藝期	1.2080 X210Cr12, 1.2083 X42Cr13, 1.2419 105WCr6, 1.2767 X45NiCrMo4	≤1400		
高速钢	1.3243 S 6-5-2-5, 1.3343 S 6-5-2, 1.3344 S 6-5-3	≤1400		
弹簧钢	1.5026 55Si7, 1.7176 55Cr3, 1.8159 51CrV4 (51CrV4)		≤350 HB	
硬化铜			≤48 HRC	
RETURN)			≤66 HRC	
不锈钢 硫化体	1.4005 X12CrS13, 1.4104 X14CrMoS17, 1.86681 X6CrMoS17, 1.4305 X8CrNiS18-9	≤900		
奥氏体	1.4301 X5CrNi18-10 (V2A), 1.4541 X6CrNiTi18-10, 1.4571 X6CrNiMoTi 17-12-2 (V4A)	≤1100		
马氏体	1,4057 X20CrNi172 (X17CrNi16-2),1.4122 X39CrMo17-1, 1.4521 X2CrMoTi18-2	≤1500		
铸铁	0.6010 EN-GJL-100 (GG10), 0.6020 EN-GJL-200 (GG20)		≤240 HB	00
14157	0.6025 EN-GJL-250 (GG25), 0.6035 EN-GJL-350 (GG35)		≤350 HB	00
球壓铸铁和可锻铸铁	0.7050 EN-GJS-500-7 (GGG50), 0.8035 EN-GJMW-350-4 (GTW35)		≤240 HB	0
12-11404 04-13-0	0.7070 EN-GJS-700-2 (GGG70), 0.8170 EN-GJMB-700-2 (GTS70)		≤350 HB	
冷硬铸铁			≤350 HB	0
蠕状石墨铸铁	EN-GJV250 (GGV25),EN-GJV350 (GGV35)		≤220 HB	00
THE STREET, NY 10'S	EN-GJV400 (GGV40),EN-GJV500 (GGV50), SiMo 6		≤300 HB	00
等温淬火球墨铸铁	EN-GJS-800-8 (ADI800), EN-GJS-1000-5 (ADI1000)	≤1000		00
	EN-GJS-1200-2 (ADI1200), EN-GJS-1400-1 (ADI1400)	≤1400		00
特殊合金	Nimonic, Inconel, Monel, Hastelloy	≤2000		
钛和钛合金	3.7024 Ti99,5, 3.7114 TiAl5Sn2,5, 3.7124 TiCu2	≤850		
111 11111-11	3,7154 TiAl6Zr5, 3,7165 TiAl6V4, 3,7184 TiAl4Mo4Sn2,5, - TiAl8Mo1V1	≤1400		
铝和铝合金	3.0255 Al99,5, 3.2315 AlMgSi1, 3.3515 AlMg1	≤400		0
锻铝合金	3.0615 AlMgSiPb, 3.1325 AlCuMg1, 3.3245 AlMg3Si, 3.4365 AlZnMgCu1,5	≤650		0
铸铝	3.2131 G-AlSi5Cu1, 3.2153 G-AlSi7Cu3, 3.2573 G-AlSi9	≤600		0
18 2 4 10	3.2581 G-AlSi12, 3.2583 G-AlSi12Cu, - G-AlSi12CuNiMg	≤600		0
镁合金铜	3.5200 MgMn2, 3.5812.05 G-MgAl8Zn1, 3.5612.05 G-MgAl6Zn1	≤400		Ó
低合金铜	2.0070 SE-Cu, 2.1020 CuSn6, 2.1096 G-CuSn5ZnPb	≤500		0
黄铜,短周	2.0380 CuZn39Pb2, 2.0401 CuZn39Pb3, 2.0410 CuZn43Pb2	≤600		0
黄铜、长屑	2.0250 CuZn20, 2.0280 CuZn33, 2.0332 CuZn37Pb0,5	≤600		0
青铜、短屑	2.1090 CuSn7ZnPb, 2.1170 CuPb5Sn5, 2.1176 CuPb10Sn	≤600		-
	2.0790 CuNi18Zn19Pb	≤850		
青铜、长周	2.0916 CuAl5, 2.0960 CuAl9Mn, 2.1050 CuSn10 2.0980 CuAl11Ni, 2.1247 CuBe2	≤850 ≤1000		
热固性塑料	E. C. S. S. S. T. T. II, E. T. T. G. G. C.	-1000		-
热塑性塑料				
凯夫拉纤维				



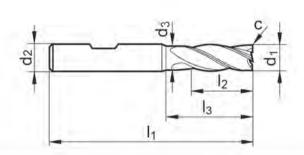


铣刀

## GF100U



VHM
H
N
НВ





6535

								折扣系数	157
d1 h10	d2 h6	d3	-11	12	13	С	Z	Code no.	库存
mm	mm	mm	mm	mm	mm	mm x 45°			74 17
6.000	6.000	5.700	54,000	10.000	17.000	0.150	4	6,000	
8.000	8.000	7.700	58.000	12.000	21.000	0.150	4	8.000	

mm         mm         mm         mm         mm         mm         mm x 45°	mm         mm         mm         mm         mm         mm         mm         mm x 45°           6.000         6.000         5.700         54,000         10.000         17.000         0.150         4         6.000         -           8.000         8.000         7.700         58.000         12.000         21.000         0.150         4         8.000         -           10.000         10.000         9.500         66.000         14.000         24.000         0.200         4         10.000         -           12.000         12.000         11.500         73.000         16.000         26.000         0.200         4         12.000         -           14.000         14.000         13.500         75.000         18.000         28.000         0.250         4         14.000         -		02 110	u3	-31	12	13	C		Code no.	库存
8,000     8,000     7,700     58,000     12,000     21,000     0.150     4     8,000     -       10,000     10,000     9,500     66,000     14,000     24,000     0,200     4     10,000     -       12,000     12,000     11,500     73,000     16,000     26,000     0,200     4     12,000     -       14,000     14,000     13,500     75,000     18,000     28,000     0,250     4     14,000     -	8,000     8,000     7,700     58,000     12,000     21,000     0.150     4     8,000     -       10,000     10,000     9,500     66,000     14,000     24,000     0,200     4     10,000     -       12,000     12,000     11,500     73,000     16,000     26,000     0,200     4     12,000     -       14,000     14,000     13,500     75,000     18,000     28,000     0,250     4     14,000     -       16,000     16,000     15,500     82,000     22,000     32,000     0,350     4     16,000     -	mm	mm	mm	mm	mm	mm	mm x 45°			( <del>4.</del> 17
10.000 10.000 9.500 66.000 14.000 24.000 0.200 4 10.000 - 12.000 12.000 11.500 73.000 16.000 26.000 0.200 4 12.000 - 14.000 13.500 75.000 18.000 28.000 0.250 4 14.000 -	10.000     10.000     9.500     66.000     14.000     24.000     0.200     4     10.000     -       12.000     12.000     11.500     73.000     16.000     26.000     0.200     4     12.000     -       14.000     14.000     13.500     75.000     18.000     28.000     0.250     4     14.000     -       16.000     15.500     82.000     22.000     32.000     0.350     4     16.000     -	6.000	6.000	5.700	54.000	10.000	17.000	0.150	4	6,000	
12.000 12.000 11.500 73.000 16.000 26.000 0.200 4 12.000 - 14.000 13.500 75.000 18.000 28.000 0.250 4 14.000 -	12.000 12.000 11.500 73.000 16.000 26.000 0.200 4 12.000 - 14.000 13.500 75.000 18.000 28.000 0.250 4 14.000 - 16.000 15.500 82.000 22.000 32.000 0.350 4 16.000 -	8.000	8.000	7.700	58.000	12.000	21.000	0.150	4	8.000	
14.000 14.000 13.500 75.000 18.000 28.000 0.250 4 14.000 -	14.000 14.000 13.500 75.000 18.000 28.000 0.250 4 14.000 - 16.000 15.500 82.000 22.000 32.000 0.350 4 16.000 -	10.000	10.000	9.500	66.000	14.000	24.000	0.200	4	10,000	
	16.000 16.000 15.500 82.000 22.000 32.000 0.350 4 16.000 -	12.000	12.000	11.500	73.000	16.000	26.000	0.200	4	12.000	100
16,000 16,000 15,500 82,000 22,000 32,000 0,350 4 16,000 -		14.000	14.000	13,500	75.000	18.000	28.000	0.250	4	14.000	10
	20.000 20.000 19.500 92.000 26.000 40.000 0.450 4 20.000	16.000	16.000	15.500	82.000	22.000	32,000	0.350	4	16.000	
20.000 20.000 19.500 92.000 26.000 40.000 0.450 4 20.000 -		20.000	20.000	19.500	92.000	26.000	40.000	0.450	4	20.000	

产品代号

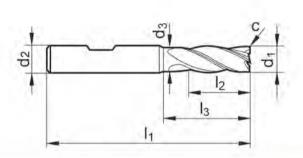
# GF100U



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Б			

P	
M	В.
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N	
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刀具材料	VH	M
表面处理	H	H
类型	N	N
柄部形式	HA	нв

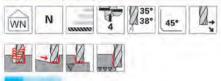




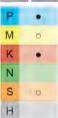
产品代号	6736	6536
折扣系数	157	157

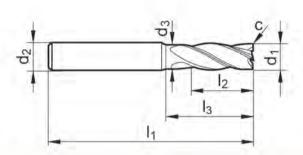
d1 h10	d2 h6	d3	11	12	13	C	Z	Code no.	14-	<del>/=</del>
mm	mm	mm	mm	mm	mm	mm x 45°			库	存
4.000	6.000	3.800	57.000	11.000	18.000	0.100	4	4.000		
5.000	6.000	4.800	57.000	13.000	18.000	0.100	4	5.000	199	
6.000	6.000	5.700	57.000	13.000	20.000	0.150	4	6.000		
8.000	8.000	7.700	63.000	19.000	26.000	0.150	4	8.000		
10.000	10.000	9,500	72.000	22.000	30.000	0.200	4	10.000		*
12.000	12.000	11.500	83.000	26.000	36.000	0.200	4	12,000		- 4
14.000	14.000	13.500	83.000	26,000	36.000	0,250	4	14,000		- 3
16.000	16.000	15.500	92.000	32.000	42.000	0.350	4	16.000		
18.000	18.000	17.500	92.000	32.000	42.000	0.400	4	18.000		
20.000	20.000	19.500	104.000	38.000	52.000	0.450	4	20.000		
25.000	25.000	24.000	121.000	45.000	63.000	0.600	4	25.000		

# GF100U



刀具材料	VHM
表面处理	H
类型	N
柄部形式	HA







产品代号6583折扣系数157

et	Code no.	Z	mm x 45°	l3 mm	12	mm-	d3 mm	d2 h6 mm	d1 h10 mm
库存					mm				
	10.000	4	0.200	48.000	40.000	100.000	9.500	10.000	10.000
	12.000	4	0.200	58.000	45.000	150.000	11.500	12.000	12.000
	16.000	4	0.350	78.000	65.000	150.000	15.500	16.000	16.000
	20.000	4	0.450	78.000	65,000	150.000	19.500	20.000	20.000
14	25.000	4	0.600	92,000	75.000	150.000	24.000	25.000	25.000

# GF100VA

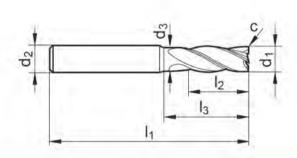




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М	

K N S H

刀具材料	VHI	M
表面处理	<b>a</b>	<b>a</b>
类型	N	N
柄部形式	HA	НВ







产品代号 6654 6655 折扣系数 157 157

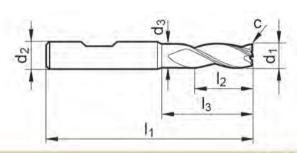
d1 h10	d2 h6	d3	11	12	13	c	Z	Code no.	who are	
mm	mm	mm	mm	mm	mm mm x 45°		库	存		
3.000	6.000	2.800	57.000	8.000	15.000	0.100	4	3.000		
4.000	6.000	3.800	57.000	11,000	18.000	0.150	4	4.000		
5.000	6.000	4.800	57.000	13.000	18.000	0.150	4	5.000		
6.000	6.000	5.700	57.000	13.000	20.000	0.200	4	6.000		,
8.000	8.000	7.700	63.000	19.000	26.000	0.250	4	8.000		
10.000	10.000	9.500	72.000	22.000	30.000	0.300	4	10.000		
12.000	12.000	11.500	83.000	26.000	36.000	0.350	4	12.000		+
14.000	14.000	13.500	83.000	26.000	36.000	0.400	4	14.000		
16.000	16.000	15,500	92.000	32,000	42.000	0.500	4	16.000		
18.000	18.000	17.500	92.000	32.000	42.000	0.600	4	18.000	*	
20.000	20.000	19.500	104.000	38.000	52.000	0.600	4	20.000	1.0	
25.000	25.000	24.000	121.000	45.000	63.000	0.750	4	25.000	100	

## GF100A



刀具材料	VHM
表面处理	0
类型	W
柄部形式	НВ







产品代号

6656

折扣系数

-	Code no.	Z	C	13	12	11	d3	d2 h6	d1 e8
库存	1 2 1		mm x 45°	mm	mm	mm	mm	mm	mm
	3.000	3	0.030	15.000	8.000	57.000	2.800	6.000	3.000
15	4.000	3	0.040	18.000	11.000	57.000	3.800	6.000	4.000
	5.000	3	0.050	18.000	13.000	57.000	4.800	6.000	5.000
*	6.000	3	0.060	20.000	13.000	57.000	5.700	6.000	6.000
	8.000	3	0.080	26.000	19.000	63.000	7.700	8.000	8.000
	10.000	3	0.100	30.000	22.000	72.000	9.500	10.000	0.000
	12.000	3	0.120	36,000	26.000	83.000	11.500	12.000	2,000
	16.000	3	0.160	42.000	32.000	92.000	15.500	16.000	6.000
	20.000	3	0.200	52.000	38.000	104.000	19.500	20.000	0.000

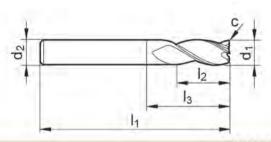
# GH100U



-4-		<u> </u>	2
-			

a

刀具材料	VHM	
表面处理	B	
类型	NH	
柄部形式	НА	





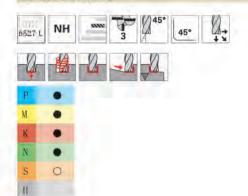
产品代号

6506

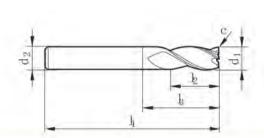
折扣系数

See Law	Code no.	Z	C	13	12	11	d2 h6	11 h10
库存			mm x 45°	mm	mm	mm	mm	mm
15	3.000	3	0.050	7.900	4.000	50.000	6.000	3.000
26	4.000	3	0.060	8.900	5.000	54.000	6.000	4.000
	5.000	3	0.080	11.400	6.000	54.000	6.000	5.000
	6.000	3	0.090	18.000	7.000	54.000	6.000	6.000
	8.000	3	0.120	22.000	9.000	58.000	8.000	8.000
	9.000	3	0.140	19.400	10.000	66.000	10.000	9.000
	10.000	3	0.150	26.000	11.000	66,000	10.000	10.000
*	12.000	3	0.180	28.000	12.000	73.000	12.000	12.000
+	16.000	3	0.190	34.000	16.000	82.000	16.000	16.000
	20.000	3	0.240	42.000	20.000	92.000	20.000	20.000

#### GH100U



刀具材料	VI	HM
表面处理	H	H
类型	NH	NH
柄部形式	HA	НВ





产品代号	6507	6547
折扣系数	157	157

11 h10	d2 h6	11	12	13	C	Z	Code no.	庆	存			
mm	mm	mm	mm	mm	mm x 45°						14	17
3.000	6.000	57.000	7.000	10.900	0.050	3	3.000					
3.500	6.000	57.000	7.000	10,900	0.050	3	3.500					
4.000	6.000	57.000	8.000	11.900	0.060	3	4.000					
5.000	6.000	57.000	10.000	15.400	0.080	3	5.000					
6.000	6.000	57.000	10.000	21.000	0.090	3	6.000		+			
7.000	8.000	63.000	13.000	21.400	0.110	3	7.000		+			
8.000	8.000	63.000	16.000	27.000	0.120	3	8.000					
10.000	10.000	72.000	19.000	32.000	0.150	3	10.000		*			
12.000	12.000	83.000	22.000	38.000	0.180	3	12.000		*			
14.000	14.000	83.000	22.000	38.000	0.210	3	14.000					
16.000	16.000	92.000	26.000	44.000	0.190	3	16.000	(4)	*			
18.000	18.000	92.000	26.000	44.000	0.220	3	18.000					
20.000	20,000	104.000	32.000	54.000	0.240	3	20.000					

#### 短刃3刃铣刀



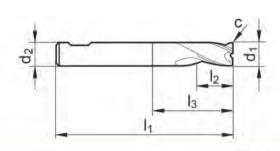
 刀具材料
 VHM

 表面处理
 H

 类型
 NH

 柄部形式
 HA/HB







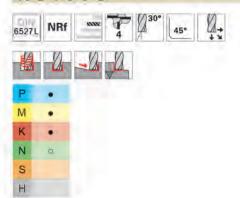
产品代号

6575

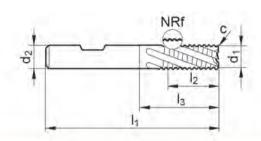
折扣系数

库存	Code no.	Z	C	13	12	11	d2 h6	d1 e8
14- 11			mm x 45°	mm	mm	mm	mm	mm
	1.000	3	0.025	3,400	2.000	38.000	3.000	1.000
	1,200	3	0.025	3.400	2.000	38.000	3.000	1.200
	1.500	3	0.025	5.900	3.000	38.000	3.000	1.500
	1.800	3	0.025	5.900	3.000	38.000	3.000	1.800
	2.000	3	0.025	6.900	4.000	45.000	6.000	2.000
	2.500	3	0.050	7.900	5.000	45.000	6.000	2.500
	3,000	3	0.050	9,900	6.000	45.000	6.000	3.000
,	3.500	3	0.050	9.900	6.000	45.000	6.000	3.500
	4.000	3	0.050	10.900	7.000	45.000	6.000	4.000
	4.500	3	0.050	13.400	8.000	45.000	6.000	4.500
	5.000	3	0.050	13.400	8.000	45.000	6.000	5.000
	5.500	3	0.050	14.400	8.000	45.000	6.000	5.500
	5.750	3	0.050	3,800	10.000	45.000	6.000	5,750
	6.000	3	0.050	15,000	10.000	45.000	6.000	6.000
	6.750	3	0.100	18.400	10.000	55.000	8.000	6.750
	7.000	3	0.100	12.000	12.000	55.000	8.000	7.000
	7.750	3	0.100	12.000	12.000	55.000	8.000	7.750
	8.000	3	0.100	19.000	13.000	55.000	8.000	3.000
	8.700	3	0.100	23.400	14.000	55.000	10.000	8.700
	9.000	3	0.100	23.400	14.000	55.000	10.000	9,000
	9.700	3	0.100	16.300	16.000	55.000	10,000	9.700
	10.000	3	0.100	25.000	16.000	55.000	10.000	0.000

#### RS100U



刀具材料	VHM
表面处理	H
类型	NRf
柄部形式	HB

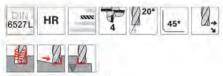




							产品代号	6505
							折扣系数	157
d1 h10	d2 h6	11	12	13	С	Z	Code no.	4 4
mm	mm	mm	mm	mm	mm x 45°			库存
6.000	6.000	57.000	13,000	21.000	0.300	4	6.000	
8 000	8.000	63 000	19 000	27 000	0.300	4	8.000	

d1 h10	d2 h6	11	12	13	С	Z	Code no.	+ +
mm	mm	mm	mm	mm	mm x 45°			库 存
6.000	6.000	57.000	13,000	21.000	0.300	4	6.000	
8.000	8.000	63.000	19.000	27,000	0.300	4	8.000	
10,000	10.000	72.000	22.000	32.000	0.300	4	10.000	
12.000	12.000	83.000	26.000	38.000	0.500	4	12.000	
16.000	16.000	92.000	32.000	44.000	0.500	4	16.000	
20.000	20.000	104.000	38.000	54.000	0.500	4	20.000	- 2

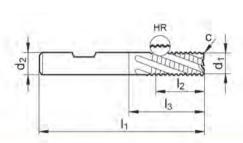
#### RS100H



刀具材料 VHM H 表面处理 类型 HR 柄部形式 НВ

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M





产品代号

6584

折扣系数

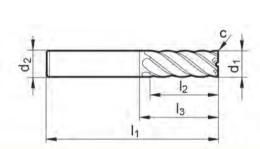
d1 h10	d2 h6	11	12	13	C	Z	Code no.	库存
mm	mm	mm	mm	mm	mm x 45°			
6.000	6.000	57.000	13.000	21.000	0.300	4	6.000	
8.000	8.000	63.000	19.000	27.000	0.300	4	8.000	
10.000	10.000	72.000	22.000	32.000	0.300	4	10.000	
12.000	12.000	83.000	26.000	38.000	0.500	4	12.000	
16.000	16.000	92.000	32.000	44.000	0.500	4	16.000	
20.000	20.000	104.000	38.000	54.000	0.500	4	20.000	

# RF100F



刀具材料	VI	-IM	
表面处理	H	H	
类型	NH	NH	
柄部形式	HA	НВ	

P	
M	*
K	(0)
N	
S	
H	



产品代号



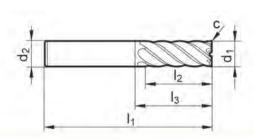
库 存		Code no.	Z	C	13	12	11	d2 h6	11 h10
				mm x 45°	mm	mm	mm	mm	mm
	191	3.000	6	0.050	11.400	8.000	57.000	6.000	3.000
	140	4.000	6	0.050	15.900	11.000	57.000	6.000	4.000
		5.000	6	0.050	17.900	13.000	57.000	6.000	5.000
		6.000	6	0.050	21.000	13.000	57.000	6.000	6.000
	1.0	8.000	6	0.100	27.000	19.000	63.000	8.000	8.000
		10.000	6	0.100	32.000	22.000	72.000	10.000	10.000
		12.000	6	0.100	38.000	26.000	83.000	12.000	12.000
		16.000	6	0.150	44,000	32.000	92.000	16.000	16.000
17	14	20.000	8	0.150	54,000	38.000	104,000	20.000	20.000
		25.000	10	0.200	65.000	45.000	121.000	25.000	25.000

## GF100F



刀具材料	VHM	
表面处理	H	
类型	NH	
柄部形式	HA	

Р	•
M	100
K	
N	
S	
н	





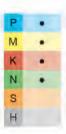
6730	产品代号							
157	折扣系数							
	Code no.	Z	С	13	12	11	d2 h6	d1 h10

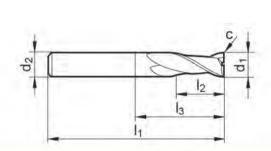
d1 h10	d2 h6	11	12	13	C	Z	Code no.	生生
mm	mm	mm	mm	mm	mm x 45°		1 - 2 4 1 1 1	库存
6.000	6.000	75.000	30.000	39.000	0.050	6	6.000	+
8.000	8.000	100.000	40.000	64.000	0.100	6	8.000	
10.000	10.000	100.000	40.000	60.000	0.100	6	10.000	
12.000	12.000	150.000	45.000	105.000	0.100	6	12.000	
16.000	16.000	150,000	65.000	102.000	0.150	6	16.000	
20.000	20.000	150.000	65.000	100.000	0.150	8	20.000	

#### 键槽铣刀



刀具材料	VI	HM	
表面处理	H	H	
类型	N	N	
柄部形式	HA	НВ	







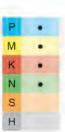


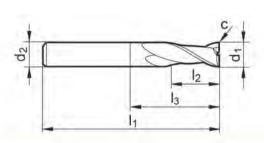
157	157	折扣系数							
存	库	Code no.	Z	c	13	12	11	d2 h6	d1 h10
117	17			mm x 45°	mm	mm	mm	mm	mm
**	+	2.000	2	0.025	9.400	6.000	57.000	6.000	2.000
1.0		3.000	2	0.050	11.900	7.000	57.000	6.000	3.000
		4.000	2	0.050	13.400	8.000	57.000	6.000	4.000
		5.000	2	0.050	16.900	10.000	57.000	6.000	5.000
		6.000	2	0.050	21.000	10.000	57.000	6.000	6.000
		8.000	2	0.100	27.000	16.000	63.000	8.000	8.000
		10.000	2	0.100	32.000	19.000	72.000	10.000	10.000
1.0		12.000	2	0.100	38.000	22.000	83.000	12.000	12.000
		16.000	2	0.150	44.000	26.000	92.000	16.000	16.000
		20,000	2	0.150	54,000	32.000	104.000	20.000	20.000

#### 加长键槽铣刀



刀具材料	VHM
表面处理	6
类型	N
柄部形式	HA







6550

产品代号

							折扣系数	157
d1 h10	d2 h6	11	12	13	c	Z	Code no.	2 4
mm	mm	mm	mm	mm	mm x 45°			库存
3.000	3.000	75.000	20.000	47.000	0.050	2	3,000	
4.000	4.000	75.000	25.000	47.000	0.050	2	4.000	
5.000	5.000	75.000	30.000	47.000	0.050	2	5.000	
6.000	6.000	75.000	30,000	39.000	0.050	2	6.000	
8.000	8.000	100.000	40.000	64.000	0.100	2	8.000	
10.000	10.000	100.000	40.000	60.000	0.100	2	10.000	
12.000	12.000	150.000	45.000	105.000	0.100	2	12.000	
16,000	16.000	150.000	65,000	102.000	0.150	2	16.000	-*
20.000	20.000	150.000	65.000	100.000	0.150	2	20.000	94

#### 铝用键槽铣刀





Р

M K N

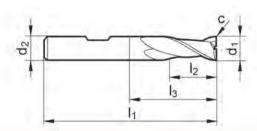
N •

 刀具材料
 VHM

 表面处理

 类型
 W

 柄部形式
 HB





产品代号

6544

折扣系数

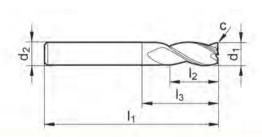
库存	Code no.	Z	C	13	12	11	d2 h6	d1 e8
件打			mm x 45°	mm	mm	mm	mm	mm
	3.000	2	0.030	10.900	7.000	57.000	6.000	3.000
4.	4.000	2	0.030	11.900	8.000	57.000	6.000	4.000
	5.000	2	0.030	15.400	10.000	57.000	6.000	5.000
	6.000	2	0.030	21.000	10.000	57.000	6.000	6.000
	8.000	2	0.050	27.000	16.000	63.000	8.000	8.000
	10.000	2	0.050	32,000	19.000	72.000	10.000	10.000
	12.000	2	0.100	38.000	22.000	83.000	12,000	12.000
	16.000	2	0.100	44.000	26.000	92.000	16.000	16.000
	20.000	2	0.100	54.000	32.000	104.000	20,000	20.000

## 通用3刃铣刀



刀具材料	VH	HM	Ī
表面处理	H	H	
类型	N	N	
柄部形式	HA	НВ	

_	
Р	•
М	
K	
N	
S	
Н	





6532

6508

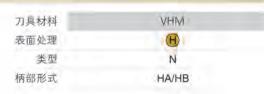
157	157	折扣系数	245	1				-074	
17	库	Code no.	Z	С	13	12	11	d2 h6	d1 h10
15	件			mm x 45°	mm	mm	mm	mm	mm
		2.000	3	0.025	10.400	6.000	57.000	6.000	2.000
	1.0	2.500	3	0.050	11.400	7.000	57.000	6.000	2.500
		3.000	3	0.050	11.400	7.000	57.000	6.000	3.000
		3.500	3	0.050	11.400	7.000	57.000	6.000	3.500
,		4.000	3	0.050	13.900	8.000	57.000	6.000	4.000
	1.6	5.000	3	0.050	16.900	10.000	57.000	6.000	5.000
		6.000	3	0.050	21.000	10.000	57.000	6.000	6.000
		8.000	3	0.100	27.000	16.000	63.000	8.000	8.000
		10.000	3	0.100	32.000	19,000	72.000	10.000	10,000
		12.000	3	0.100	38.000	22.000	83.000	12.000	12,000
	4	14.000	3	0.150	38.000	22.000	83.000	14.000	14.000
4	4	16.000	3	0.150	44.000	26.000	92.000	16.000	16.000
		20.000	3	0.150	54.000	32.000	104.000	20.000	20.000

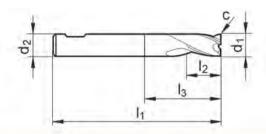
产品代号

#### 通用短刃3刃铣刀











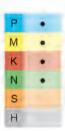
产品代号	6574
折扣系数	157

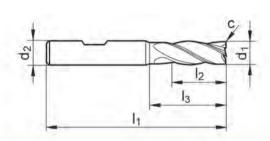
d1 h10	d2 h6	11	12	13	C	Z	Code no.	连 左
mm	mm	mm	mm	mm	mm x 45°			库存
0.500	3.000	38.000	1.500	3.400	0.025	3	0.500	
0.600	3.000	38.000	1.500	3.400	0.025	3	0.600	
0.800	3,000	38.000	2,000	3.900	0.025	3	0.800	
1.000	3.000	38.000	2.000	3.900	0.025	3	1.000	
1.200	3.000	38.000	2,000	3.900	0.025	3	1,200	
1.500	3.000	38.000	2.000	3.900	0.025	3	1.500	
1.800	3.000	38.000	2.000	3.900	0.025	3	1.800	
2.000	6.000	38.000	4.000	7.400	0.025	3	2.000	
2.500	6.000	38.000	5.000	8.400	0.050	3	2.500	
3.000	6.000	38,000	5.000	8.400	0.050	3	3.000	
3.500	6.000	38.000	6.000	9.400	0.050	3	3.500	
4.000	6.000	38.000	7.000	10.400	0.050	3	4.000	
4.500	6.000	38.000	8.000	12.400	0.050	3	4.500	
5.000	6.000	38.000	8.000	12.400	0.050	3	5.000	140
5.500	6,000	38.000	8.000	12.400	0.050	3	5,500	+-
5.750	6.000	38.000	8.000	12.400	0.050	3	5.750	
6.000	6.000	38.000	8.000	14.000	0.050	3	6.000	
6.750	8.000	42.000	10.000	15.400	0.100	3	6.750	
7.000	8.000	42.000	10.000	16,400	0.100	3	7.000	
7.750	8.000	42,000	10.000	16.400	0.100	3	7.750	
8.000	8,000	43,000	11.000	19.000	0,100	3	8.000	
8.700	10.000	48.000	11.000	17.400	0.100	3	8.700	
9.000	10.000	48.000	11.000	17.400	0.100	3	9.000	
9.700	10.000	48.000	11.000	17.400	0.100	3	9.700	
10.000	10.000	50.000	13.000	23.000	0.100	3	10.000	
12.000	12.000	55.000	15.000	25.000	0.100	3	12.000	
14.000	14.000	58.000	15.000	28.000	0.150	3	14.000	
16.000	16.000	62,000	18.000	29,000	0.150	3	16.000	
20.000	20.000	75.000	22.000	41.000	0.150	3	20.000	

## 通用4刃铣刀



刀具材料	VHM	
表面处理	H	
类型	N	
柄部形式	НВ	
类型	N	







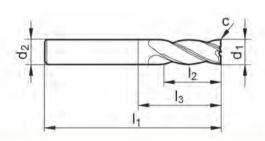
mm		Code no.	Z	c	13	12	11	d2 h6	d1 h10
2.000         6.000         57.000         7.000         11.400         0.025         4         2.000         -           3.000         6.000         57.000         8.000         12.900         0.050         4         3.000         -           4.000         6.000         57.000         11.000         16.900         0.050         4         4.000         -           5.000         6.000         57.000         13.000         21.000         0.050         4         5.000         -           6.000         57.000         13.000         21.000         0.050         4         6.000         -           7.000         8.000         63.000         16.000         23.900         0.100         4         7.000         -           8.000         8.000         63.000         19.000         27.000         0.100         4         8.000         -           9.000         10.000         72.000         19.000         28.400         0.100         4         9.000         -           10.000         72.000         19.000         32.000         0.100         4         10.000         -           12.000         83.000         26.000         38.000<	库存	Code no.							
3.000       6.000       57.000       8.000       12.900       0.050       4       3.000       •         4.000       6.000       57.000       11.000       16.900       0.050       4       4.000       •         5.000       6.000       57.000       13.000       19.900       0.050       4       5.000       •         6.000       6.000       57.000       13.000       21.000       0.050       4       6.000       •         7.000       8.000       63.000       16.000       23.900       0.100       4       7.000       •         8.000       8.000       63.000       19.000       27.000       0.100       4       8.000       •         9.000       10.000       72.000       19.000       28.400       0.100       4       9.000       •         10.000       72.000       22.000       32.000       0.100       4       10.000       •         12.000       12.000       83.000       26.000       38.000       0.150       4       14.000       •         14.000       14.000       82.000       32.000       44.000       0.150       4       16.000       • <t< td=""><td></td><td></td><td></td><td>100000000000000000000000000000000000000</td><td></td><td></td><td></td><td></td><td></td></t<>				100000000000000000000000000000000000000					
4,000       6,000       57,000       11,000       16,900       0.050       4       4,000       •         5,000       6,000       57,000       13,000       19,900       0.050       4       5,000       •         6,000       6,000       57,000       13,000       21,000       0.050       4       6,000       •         7,000       8,000       63,000       16,000       23,900       0.100       4       7,000       •         8,000       8,000       63,000       19,000       27,000       0.100       4       8,000       •         9,000       10,000       72,000       19,000       28,400       0.100       4       9,000       •         10,000       72,000       22,000       32,000       0.100       4       10,000       •         12,000       12,000       83,000       26,000       38,000       0.150       4       14,000       •         14,000       14,000       83,000       26,000       38,000       0.150       4       14,000       •         16,000       16,000       92,000       32,000       44,000       0.150       4       18,000       • </td <td></td> <td></td> <td>4</td> <td>A 100 A 100 A</td> <td>11.400</td> <td>7.000</td> <td>57.000</td> <td>6.000</td> <td></td>			4	A 100 A	11.400	7.000	57.000	6.000	
5,000       6,000       57,000       13,000       19,900       0,050       4       5,000       •         6,000       6,000       57,000       13,000       21,000       0,050       4       6,000       •         7,000       8,000       63,000       16,000       23,900       0,100       4       7,000       •         8,000       8,000       63,000       19,000       27,000       0,100       4       8,000       •         9,000       10,000       72,000       19,000       28,400       0,100       4       9,000       •         10,000       72,000       22,000       32,000       0,100       4       10,000       •         12,000       12,000       83,000       26,000       38,000       0,100       4       12,000       •         14,000       14,000       83,000       26,000       38,000       0,150       4       14,000       •         16,000       16,000       92,000       32,000       44,000       0,150       4       18,000       •		3.000	4	0.050	12.900	8.000	57.000	6.000	3.000
6.000       6.000       57.000       13.000       21.000       0.050       4       6.000       •         7.000       8.000       63.000       16.000       23.900       0.100       4       7.000       •         8.000       8.000       63.000       19.000       27.000       0.100       4       8.000       •         9.000       10.000       72.000       19.000       28.400       0.100       4       9.000       •         10.000       10.000       72.000       22.000       32.000       0.100       4       10.000       •         12.000       12.000       83.000       26.000       38.000       0.100       4       12.000       •         14.000       14.000       83.000       26.000       38.000       0.150       4       14.000       •         16.000       16.000       92.000       32.000       44.000       0.150       4       18.000       •		4.000	4	0.050	16.900	11.000	57.000	6.000	4.000
7,000       8,000       63,000       16,000       23,900       0,100       4       7,000       •         8,000       8,000       63,000       19,000       27,000       0,100       4       8,000       •         9,000       10,000       72,000       19,000       28,400       0,100       4       9,000       •         10,000       10,000       72,000       22,000       32,000       0,100       4       10,000       •         12,000       12,000       83,000       26,000       38,000       0,100       4       12,000       •         14,000       14,000       83,000       26,000       38,000       0,150       4       14,000       •         16,000       16,000       92,000       32,000       44,000       0,150       4       16,000       •         18,000       92,000       32,000       44,000       0,150       4       18,000       •		5.000	4	0.050	19.900	13.000	57.000	6.000	5.000
8.000       8.000       63.000       19.000       27.000       0.100       4       8.000       •         9.000       10.000       72.000       19.000       28.400       0.100       4       9.000       •         10.000       10.000       72.000       22.000       32.000       0.100       4       10.000       •         12.000       12.000       83.000       26.000       38.000       0.100       4       12.000       •         14.000       14.000       83.000       26.000       38.000       0.150       4       14.000       •         16.000       92.000       32.000       44.000       0.150       4       18.000       •		6.000	4	0.050	21.000	13.000	57.000	6.000	6.000
9,000     10,000     72,000     19,000     28,400     0.100     4     9,000     •       10,000     10,000     72,000     22,000     32,000     0.100     4     10,000     •       12,000     12,000     83,000     26,000     38,000     0.100     4     12,000     •       14,000     14,000     83,000     26,000     38,000     0.150     4     14,000     •       16,000     92,000     32,000     44,000     0.150     4     18,000     •       18,000     92,000     32,000     44,000     0.150     4     18,000     •		7.000	4	0.100	23.900	16.000	63.000	8.000	7.000
10.000     10.000     72.000     22.000     32.000     0.100     4     10.000     •       12.000     12.000     83.000     26.000     38.000     0.100     4     12.000     •       14.000     14.000     83.000     26.000     38.000     0.150     4     14.000     •       16.000     16.000     92.000     32.000     44.000     0.150     4     16.000     •       18.000     18.000     92.000     32.000     44.000     0.150     4     18.000     •		8,000	4	0.100	27.000	19.000	63.000	8.000	8,000
12.000     12.000     83.000     26.000     38.000     0.100     4     12.000     +       14.000     14.000     83.000     26.000     38.000     0.150     4     14.000     +       16.000     16.000     92.000     32.000     44.000     0.150     4     16.000     +       18.000     18.000     92.000     32.000     44.000     0.150     4     18.000     +		9.000	4	0.100	28.400	19.000	72.000	10.000	9.000
14.000     14.000     83.000     26.000     38.000     0.150     4     14.000     +       16.000     16.000     92.000     32.000     44.000     0.150     4     16.000     +       18.000     18.000     92.000     32.000     44.000     0.150     4     18.000     +		10.000	4	0.100	32.000	22.000	72.000	10.000	10.000
16.000 16.000 92.000 32.000 44.000 0.150 4 16.000 • 18.000 18.000 92.000 32.000 44.000 0.150 4 18.000 •		12.000	4	0.100	38.000	26.000	83.000	12.000	12.000
18.000 18.000 92.000 32.000 44.000 0.150 4 18.000		14.000	4	0.150	38.000	26.000	83.000	14.000	14.000
		16.000	4	0.150	44.000	32.000	92.000	16.000	16.000
		18,000	4	0.150	44.000	32.000	92.000	18.000	18.000
20.000 20.000 104.000 38.000 54.000 0.150 4 20.000 •		20.000	4	0.150	54.000	38.000	104.000	20.000	20.000

#### 通用加长4刃铣刀



刀具材料	VHM	
表面处理	H	
类型	N	
柄部形式	HA	

_	
Р	
M	*
K	
N	•
S	
Н	





157	折扣系数							
# #	Code no.	Z	c	13	12	11	d2 h6	d1 h10
库存			mm x 45°	mm	mm	mm	mm	mm
	3.000	4	0.050	47.000	20.000	75.000	3.000	3.000
	4.000	4	0.050	47.000	25.000	75.000	4.000	4.000
	5.000	4	0.050	47.000	30.000	75.000	5.000	5.000
	6.000	4	0.050	39.000	30.000	75.000	6.000	6.000
	8.000	4	0.100	64.000	40.000	100.000	8.000	8.000
	10.000	4	0.100	60.000	40.000	100.000	10.000	10.000
- 6	12.000	4	0.100	105.000	45.000	150.000	12.000	12.000
	14.000	4	0.150	105.000	45.000	150.000	14.000	14.000
	16.000	4	0.150	102.000	65.000	150.000	16.000	16.000
+	20.000	4	0.150	100.000	65.000	150.000	20.000	20.000

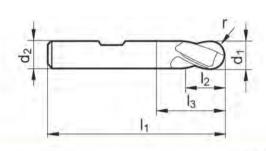
#### 2 刃球刀



P

M K

N S 刀具材料 VHM H H 表面处理 类型 N N 柄部形式 HB HA



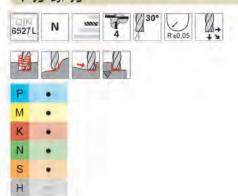




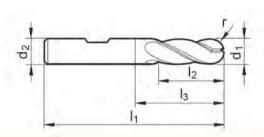
产品代号 6534 6586 折扣系数 157 157 Code no. d1 h10 d2 h6 11 12 13 r Z 库存 mm mm mm mm mm mm 2.100 0.500 3.000 38.000 1,000 0.250 2 0.500 1.000 3.000 38.000 2.000 3.900 0.500 2 1.000 1,500 3.000 38.000 3,000 6.400 0.750 2 1.500 2.000 6.000 57.000 6.000 9.400 1.000 2 2.000

3.000 6.000 57.000 7.000 11.900 1.500 2 3.000 2 4.000 6.000 57.000 8.000 13.400 2.000 4.000 6.000 10.000 2 5.000 57.000 16.900 2.500 5.000 2 6.000 6.000 57.000 10.000 21.000 3.000 6.000 8.000 8.000 63.000 16.000 27.000 4.000 2 8.000 10.000 10.000 72.000 19.000 32.000 5.000 2 10.000 12.000 12.000 83.000 22.000 38.000 2 12.000 6.000 2 20.000 20.000 104,000 32,000 54.000 20.000 10.000

#### 4 刃球刀



刀具材料	VHM
表面处理	H
类型	N
柄部形式	НВ





库存	Code no.	Z	r	13	12	.11	d2 h6	1 h10
<b>库</b> 仔			mm	mm	mm	mm	mm	mm
	3.000	4	1.500	12.400	8.000	57.000	6.000	3.000
4.	4.000	4	2.000	15.900	11.000	57.000	6.000	4.000
4.1	5.000	4	2.500	19.400	13.000	57.000	6.000	5.000
(f.	6.000	4	3.000	21.000	13.000	57.000	6.000	6.000
	8.000	4	4.000	27.000	19.000	63.000	8.000	8.000
	10.000	4	5.000	32.000	22.000	72.000	10.000	10.000
	12.000	4	6.000	38.000	26.000	83.000	12.000	12.000
4.	20.000	4	10.000	54.000	38.000	104.000	20.000	20.000

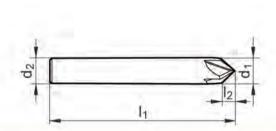
## 倒角铣刀



刀具材料	V	HM	
表面处理	A	A	
类型	N	N	
柄部形式	HA	НВ	

M

K N S H





6580 6579 产品代号 折扣系数 157 157

# +	Code no.	Z	12	.11.	d2 h6	d1 js9
库存			mm	mm	mm	mm
	4.000	4	2.000	50.000	4.000	4.000
	6.000	4	3.000	57.000	6.000	6.000
	8.000	4	4.000	63.000	8.000	8.000
	10.000	4	5.000	72.000	10.000	10.000
	12.000	4	6.000	83.000	12.000	12.000

# 铣削切削参数



#### 铣削切削参数

请优先选用进给速度代号为粗体的刀具 ae = 切宽

ap = 切深

直径

2,00 3,00

5,00

8,00

10,00

37

0,001

0,002

0.010

0,013

0,005 0,006 0.006 0.008

16,00 0,020 0,023 0,027 20,00 0,023 0,028 0,033

38

0.001

0,002

0,012

0.015

0.018

39

0,001

0,003

0,007

0,014

0.018

0.022

40

0,002

0.003

0,009

0,016

0.021

0,026

0,032

41

0.002

0.004

0,010

0,019

0.025

0,030

0,038

42

0.004

0,007

0,014

0.030

0,036

0,045

43

0.005

0,010

0,020

0.024

0,032

0.038

0,046

0,054

		刀具材料
		类型
101	DIN 6527	HA
典	DIN 6527	HB
春	公司标准	HA
	公司标准	НВ

AC IN DO		
VHM	VHM	
N	N	
6731	6508	
6531	6532	



键 槽 铢



 $a_e = 1xD$ 

 $a_e = 1xD$ 





0,030 0,035 0,040	0,045 0,055 0,065 0,075 0,100 0,120 0,130 0,140 0,150	0,165 0,170 0		W 1	14.74	T vs	
工件材料	材料举例	抗拉强度	硬度	v <sub>c</sub> m/min	进给代号	m/min	
<b>数温处热</b>	1.0035 S185, 1.0486 P275N, 1.0345 P235GH, 1.0425 P265GH	≤500		85 - 105	42	85 - 105	
普通结构钢	1,0050 E295, 1,0070 E360, 1,8937 P500NH	≤1000		81 - 99	41	81 - 99	
E Invited	1.0718 11SMnPb30, 1.0736 11SMn37	≤850		85 - 105	41	85 - 105	
易切削钢	1,0727 46 S20, 1,0728 60 S20, 1,0757 46SPb20	≤1000		63 - 77	42	63 - 77	
	1,0402 C22, 1.1178 C30E	≤700		85 - 105	41	85 - 105	
非合金热处理钢	1.0503 C45, 1.1191 C45E	≤850		76 - 94	41	76 - 94	
	1.0601 C60, 1.1221 C60E	≤1000		63 - 77	42	63 - 77	
A A di fil emies	1.5131 50MnSi4, 1.7003 38Cr2, 1.7030 28Cr4	≤1000		76 - 94	42	76 - 94	
合金热处理钢	1.5710 36NiCr6, 1.7035 41Cr4, 1.7225 42CrMo4	≤1400		63 - 77	42	63 - 77	
非合金表面硬化钢	1.0301 C10, 1.1121 C10E	≤850		90 - 110	41	90 - 110	
人人主要证此的	1.7043 38Cr4	≤1000		76 - 94	41	76 - 94	
合金表面硬化钢	1,5752 15NiCr13, 1,7131 16MnCr5, 1,7264 20CrMo5	≤1400		54 - 66	42	54 - 66	
氧化钢	1.8504 34CrAl6	≤1000		85 - 105	41	85 - 105	
<b>東行に 4</b> 点	1.8519 31CrMoV9, 1.8550 34CrAlNi7	≤1400		76 - 94	40	76 - 94	
THO	1.1750 C75W, 1.2067 102Cr6, 1.2307 29CrMoV9	≤850		76 - 94	41	76 - 94	
工具钢	1,2080 X210Cr12, 1,2083 X42Cr13, 1,2419 105WCr6	≤1400		63 - 77	40	63 - 77	
高速钢	1.3243 S 6-5-2-5, 1.3343 S 6-5-2, 1.3344 S 6-5-3	≤1400		45 - 55	42	45 - 55	
弹簧钢	1,5026 55Si7, 1,7176 55Cr3, 1,8159 51CrV4		≤350 HB	45 - 55	40		
硬化钢	The second secon		≤48 HRC	45 - 55	40		
OR HCHY			≤66 HRC				
不锈钢 硫化体	1.4005 X12CrS13, 1.4104 X14CrMoS17, 1.4105 X6CrMoS17	≤900		45 - 55	42	45 - 55	
奥氏体	1.4301 X5CrNi18-10, 1.4541 X6CrNiTi18-10	≤1100		40 - 50	40	40 - 50	
马氏体	1.4057 X20CrNi17-2, 1.4122 X39CrMo17-1	≤1500		36 - 44	41	36 - 44	
As Air	0.6010 EN-GJL-100(GG10), 0.6020 EN-GJL-200(GG20)		≤240 HB	108 - 132	41	108 - 132	
铸铁	0.6025 EN-GJL-250(GG25), 0.6035 EN-GJL-350(GG35)		≤350 HB	99 - 121	40	99 - 121	
THE REAL PROPERTY AND ASSAULT	0.7050 EN-GJS-500-7(GGG50), 0.8035 EN-GJMW-350-4(GTW35)		≤240 HB	90 - 110	41	90 - 110	
球墨铸铁和可钢铸铁	0.7070 EN-GJS-700-2(GGG70), 0.8170 EN-GJMB-700-2(GTS70)		≤350 HB	81 - 99	40	81 - 99	
冷硬铸铁			≤350 HB	54 - 66	40	54 - 66	
<b>新华工型研护</b>	EN-GJV250 (GGV25), EN-GJV350 (GGV35)		≤220 HB				
蟜状石墨铸铁	EN-GJV400 (GGV40), EN-GJV500 (GGV50), SiMo 6		≤300 HB				
等温淬火球墨铸铁	EN-GJS-800-8 (ADI800), EN-GJS-1000-5 (ADI1000)	≤1000					
节逼产人环里纳铁	EN-GJS-1200-2 (ADI1200), EN-GJS-1400-1 (ADI1400)	≤1400					
特殊合金	Nimonic, Inconel, Monel, Hastelloy	≤2000		27 - 33	40	27 - 33	
钛和钛合金	3.7024 Ti99,5, 3.7114 TiAl5Sn2,5, 3.7124 TiCu2	≤850		45 - 55	40	45 - 55	
MATHEM III	3.7154 TiAl6Zr5, 3.7164 TiAl6V4, 3.7184 TiAl4Mo4Sn2,5	≤1400		36 - 44	40	36 - 44	
铝和铝合金	3.0255 Al99,5, 3.2315 AlMgSi1, 3.3515 AlMg1	≤400		405 - 495	43		
锁铝合金	3.0615 AlMgSiPb, 3.1325 AlCuMg1, 3.3245 AlMg3Si	≤650		495 - 605	43		
练铝	3.2131 G-AlSi5Cu1, 3.2153 G-AlSi7Cu3, 3.2573 G-AlSi9	≤600		198 - 242	42		
MAH	3.2581 G-AlSi12, 3.2583 G-AlSi12Cu, - G-AlSi12CuNiMg	≤600		162 - 198	43		
镁合金铜	3.5200 MgMn2, 3.5812.05 G-MgAl8Zn1, 3.5612.05 G-MgAl6Zn1	≤400	-	225 - 275	44		
低合金铜	2,0070 SE-Cu, 2,1020 CuSn6, 2,1096 G-CuSn5ZnPb	≤500		108 - 132	43		
黄铜,短屑	2.0380 CuZn39Pb2, 2.0401 CuZn39Pb3, 2.0410 CuZn43Pb2	≤600		90 - 110	43		
黄铜、长周	2.0250 CuZn20, 2.0280 CuZn33, 2.0332 CuZn37Pb0,5	≤600		81 - 99	42		
青铜, 短周	2.1090 CuSn7ZnPb, 2.1170 CuPb5Sn5, 2.1176 CuPb10Sn	≤600		90 - 110	42		
H301 74/14	2.0790 CuNi18Zn19Pb	≤850		72 - 88	41		
青铜、长屑	2.0916 CuAl5, 2.0960 CuAl9Mn, 2.1050 CuSn10	≤850		72 - 88	42		
HRI BIH	2,0980 CuAl11Ni, 2,1247 CuBe2	≤1000		63 - 77	40		
热固性塑料	Epoxy resin, Resopal, Pertinax, Moltopren	≤150		108 - 132	40		
	WOLFER STATE AND AVERAGE AND AVERAGE	~400		99 - 121	40		
热塑性塑料	Plexiglass, Hostalen, Novodur, Makralon	≤100		99 - 121	40		
热塑性塑料 凯夫拉纤维	Plexiglass, Hostalen, Novodur, Makralon Kevlar	≤1000		99 - 121	40		

进给代号

44 45

fz (mm/tooth)

0,006 0,007 0,010 0,010

0,020 0.025

0,032

0.039

0,048

0,010

0,035

0.044

0,052

0,058 0,063 0,071 0,073 0,080 0,090

0,022 0,025 0,027 0,031

46

0.008

0,015

0,042

0,059

47

0.010

0,016

0,042

0,063

48

0,012

0,047

0.059

0,072

0,026 0,026 0,029 0,033

0,079 0,088 0,097 0,100

49

0,014

0,053

0.065

0.079

0,095

50

0.016

0,022

0,052

0.066

0.085

0,100

0,028 0,030 0,039 0,036

51

0.018

0,024

0.032

0,058

0.073

0,090

0,110

52

0.020

0,030

0,038

0,064

0.080

0,100

0,120

1xD = 75%1,5xD = 50%

1xD = 75% 1.5xD = 50%

Q 200 00 P				and the latest l	精铣		仿型铣	
VHM	VHM	VHM	VHM	MHV	VHM	VHM	VHM	VHM
N 6550	NH 6506 6507	W	N	NH	NH	NH	N 6586	N
	6547	6544			6746	6720	6534	6585
14	- 211		6574	6575	6746 6546	6730		
	GA100U		00/4	00,0	0010	28		
n		79			726	- 20	-	-
-	700	И			20	20		020
IA.	48	40		746	88		100	- (1)
- 10		60	70.0	- (1	28	20	14	V //
40	100	- 111	10	68	100		m	m
	100	- 111	100	7.0		III	101	- 101
- 111			100	100	111		4	1
- 111	- 111		1	100		- 111	III	IT
a <sub>e</sub> = 1xD	a <sub>e</sub> = 1xD	$a_e = 1xD$	$a_e = 1xD$	$a_e = 1xD$	$a_e = 0.05xD$	$a_e = 0.05xD$	a <sub>e</sub> = 0.05xD	a <sub>e</sub> = 0.05xE
M _					0.00	R		
	AA	AA	AA	AA	M		~~~	
					5	5		
a <sub>p</sub> = 2 x D	a <sub>p</sub> = 0,5 x D	$a_p = 0.5 \times D$	a <sub>p</sub> = 0,5 x D	$a_p = 0.5 \times D$	a <sub>p</sub> = 1,5 x D	$a_p = 3 \times D$	a <sub>p</sub> = 0,05 x D	$a_p = 0.05 x$
V <sub>c</sub> 进给 n/min 代号	V <sub>c</sub> 进给 m/min 代号	V <sub>c</sub> 进给 m/min 代号	V <sub>c</sub> 进给 m/min 代号	Vc 进给 m/min 代号	V <sub>c</sub> 进给 m/min 代号	V <sub>c</sub> 进给 m/min 代号	V <sub>c</sub> 进给 m/min 代号	V <sub>c</sub> 进 m/min 代
2 - 88 39	94 - 116 43	1300	85 - 105 42	94 - 116 43	171 - 209 48	136 - 168 45	153 - 187 48	153 - 187 48
7 - 83 38 2 - 88 38	89 - 109 42 94 - 116 42		81 - 99 41 85 - 105 41	89 - 109 42 94 - 116 42	157 - 193 47 171 - 209 47	126 - 154 44 136 - 168 44	144 - 176 47 153 - 187 47	144 - 176 47 153 - 187 47
4 - 66 39	69 - 85 43		63 - 77 42	69 - 85 43	126 - 154 46	100 - 124 43	153 - 187 46	153 - 187 46
2 - 88 38 3 - 77 38	94 - 116 42 84 - 104 42		85 - 105 41 76 - 94 41	94 - 116 42 84 - 104 42	171 - 209 47 153 - 187 47	136 - 168 44 122 - 150 44	135 - 165 47 135 - 165 47	135 - 165 47 135 - 165 47
4 - 66 39 3 - 77 39	69 - 85 43 84 - 104 43		63 - 77 42 76 - 94 42	69 - 85 43 84 - 104 43	126 - 154 46 153 - 187 46	100 - 124 43 122 - 150 43	117 - 143 46 126 - 154 46	117 - 143 46 126 - 154 46
4 - 66 39	69 - 85 43				126 - 154 45	100 - 124 42	153 - 187 45	153 - 187 45
7 - 83 38 3 - 77 38	99 - 121 42 84 - 104 42		90 - 110 41 76 - 94 41	99 - 121 42 84 - 104 42	189 - 231 47 153 - 187 47	151 - 185 44 122 - 150 44	198 - 242 47 171 - 209 47	198 - 242 47 171 - 209 47
5 - 55 39 2 - 88 38	59 - 73 43 94 - 116 42		85 - 105 41	94 - 116 42	117 - 143 46 171 - 209 47	93 - 115 43 136 - 168 44	108 - 132 46 144 - 176 47	108 - 132 46 144 - 176 47
3 - 77 37	84 - 104 41				153 - 187 45	122 - 150 42	135 - 165 45	135 - 165 45
3 - 77 38 4 - 66 37	84 - 104 42 69 - 85 41		76 - 94 41 63 - 77 40	84 - 104 42 69 - 85 41	153 - 187 47 126 - 154 45	122 - 150 44 100 - 124 42	135 - 165 47 117 - 143 45	135 - 165 47 117 - 143 45
0 - 50 39	49 - 61 43		45 - 55 42	49 - 61 43	94 - 116 46	75 - 93 43	85 - 105 46	85 - 105 46
	49 - 61 41 49 - 61 41				94 - 116 45 49 - 61 43	75 - 93 42 39 - 49 41	85 - 105 45 49 - 61 44	85 - 105 45 49 - 61 44
	49 - 61 43		45 - 55 42	49 - 61 43	94 - 116 46			85 - 105 46
	45 - 55 41		40 - 50 40	45 - 55 41	81 - 99 45	64 - 80 42	76 - 94 45	76 - 94 45
- 116 38	39 - 49 42 118 - 146 42		36 - 44 41 108 - 132 41	39 - 49 42 118 - 146 42	76 - 94 46 220 - 270 47	61 - 75 43 132 - 162 44	67 - 83 46 198 - 242 47	67 - 83 46 198 - 242 45
5 - 105 37	108 - 134 41		99 - 121 40	108 - 134 41	202 - 248 46	121 - 149 43	189 - 231 46	189 - 231 47
1 - 99 38 7 - 83 37	99 - 121 42 89 - 109 41		90 - 110 41 81 - 99 40	99 - 121 42 89 - 109 41	180 - 220 47 157 - 193 46	108 - 132 44 94 - 116 41	171 - 209 47 144 - 176 46	171 - 209 46 144 - 176 47
	59 - 73 41		54 - 66 40	59 - 73 41			99 - 121 44	99 - 121 46
	29 - 37 41			29 - 37 41	54 - 66 45	32 - 40 42	49 - 61 45	49 - 61 4
8 - 72 37 1 - 39 37	49 - 61 41 39 - 49 41		45 - 55 40 36 - 44 40	49 - 61 41 39 - 49 41	94 - 116 45 76 - 94 44	56 - 70 42 45 - 57 41		
1-39 31	35-45 41	297 - 363 46	297 - 363 46	297 - 363 46	810 - 990 50	486 - 594 41	720 - 880 50	
	217 - 267 43	360 - 440 46 144 - 176 45	360 - 440 46 144 - 176 45	360 - 440 46 217 - 267 43	720 - 880 50 405 - 495 48	432 - 528 41 243 - 297 45	855 - 1045 50 342 - 418 48	
	178 - 218 44	117 - 143 46	117 - 143 46	178 - 218 44	324 - 396 49	194 - 238 46	288 - 352 49	
	118 - 146 44	171 - 209 47 81 - 99 46	171 - 209 47 81 - 99 46	171 - 209 47 118 - 146 44	450 - 550 50 216 - 264 49		405 - 495 50 180 - 220 49	
	99 - 121 44	72 - 88 46	72 - 88 46	99 - 121 44	198 - 242 48	118 - 146 45	171 - 209 48	
	99 - 121 43	67 - 83 45 72 - 88 45	67 - 83 45 72 - 88 45	67 - 83 45 99 - 121 43	162 - 198 48 198 - 242 48	118 - 146 45	162 - 198 48 180 - 220 48	
	79 - 97 42	63 - 77 44 63 - 77 45	63 - 77 44 63 - 77 45	79 - 97 42 63 - 77 45	153 - 187 47 153 - 187 47	91 - 113 44	171 - 209 47 198 - 242 47	
		54 - 66 43	54 - 66 43	54 - 66 43	126 - 154 46	75 - 93 43	189 - 231 46	
		81 - 99 43 72 - 88 43	81 - 99 43 72 - 88 43	81 - 99 43 72 - 88 43	216 - 264 46 198 - 242 46			
				0.00				
		1xD = 75%	1,5xD = 75%	1,5xD = 75%				

#### 铣削切削参数

请优先选用进给速度代号为粗体的刀具 ae = 切宽

ap = 切深

直径

3,00

5,00

8.00

37 38

0.001

0,002

0,005

0,010

0.001

0,002

0.006

800,0

0,012

39

0.001

0,003

0.007

0,009

0,014

40

0.002

0,003

0.009

0,011

0,016

41 42

0.002

0,004

0,010

0,019

0.004

0,007

0,024

0,014 0,020 0,017 0,024

43

0.005

0,010

0,032

7		ш	钓	-
м	ю	-	- 201	w
12				

刀具材料 类型 DIN 6527 HA DIN 6527 HB 公司标准 HA

VHM N 6736 6536 6535 VHM N 6583

GF100





 $a_e = 0.5-1.0xD$ 



	40
-	1
	V

10,00 0,013 0,015 0,1 12,00 0,010 0,018 0,1 16,00 0,020 0,023 0,1 20,00 0,023 0,028 0,1 25,00 0,030 0,035 0,1	22 0,026 0,030 0,036 0,046 0,048 0,052 0,059 0,063 0,072 27 0,032 0,038 0,045 0,054 0,058 0,063 0,071 0,079 0,088 33 0,038 0,045 0,057 0,066 0,073 0,080 0,090 0,097 0,100	26 0,030 0,036 0,046 0,048 0,052 0,059 0,063 0,072 0,079 0,085 0,090 0,100 32 0,038 0,045 0,054 0,058 0,063 0,071 0,079 0,088 0,095 0,100 0,110 0,120 38 0,045 0,057 0,066 0,073 0,080 0,090 0,097 0,100 0,110 0,120 0,130 0,140								
工件材料	材料举例	抗拉强度 硬度	Vc 进给 m/min 代号	Vc 进给 m/min 代号						
普通结构钢	1.0035 S185, 1.0486 P275N, 1.0345 P235GH, 1.0425 P265GH	≤500	170 - 208 51	110 - 136 47						
	1.0050 E295, 1.0070 E360, 1.8937 P500NH	≤1000	157 - 193 50	102 - 126 46						
易切削钠	1.0718 11SMnPb30, 1.0736 11SMn37	≤850	170 - 208 50	110 - 136 46						
	1.0727 46 S20, 1.0728 60 S20, 1.0757 46SPb20 1.0402 C22, 1.1178 C30E	≤1000 ≤700	126 - 154 49 170 - 208 50	81 - 101 45 110 - 136 46						
非合金热处理钢	1.0503 C45, 1.1191 C45E	≤850	151 - 185 50	98 - 120 46						
于日亚洲 <b>人</b> 廷的	1.0601 C60, 1.1221 C60E	≤1000	126 - 154 49	81 - 101 45						
A A 45 M +0150	1.5131 50MnSi4, 1.7003 38Cr2, 1.7030 28Cr4	≤1000	151 - 185 49	98 - 120 45						
合金热处理钢	1.5710 36NiCr6, 1.7035 41Cr4, 1.7225 42CrMo4	≤1400	126 - 154 48	81 - 101 44						
非合金表面硬化钢	1.0301 C10, 1.1121 C10E	≤850	189 - 231 50	123 - 151 46						
合金表面硬化钢	1.7043 38Cr4	≤1000	151 - 185 50	98 - 120 46						
Pri att accom soc (17 sta	1.5752 15NiCr13, 1.7131 16MnCr5, 1.7264 20CrMo5	≤1400	113 - 139 49	73 - 91 45						
氧化钢	1.8504 34CrAl6	≤1000	170 - 208 50	110 - 136 46						
1000	1.8519 31CrMoV9, 1.8550 34CrAINi7	≤1400°	151 - 185 48	98 - 120 44						
工具钢	1.1750 C75W, 1.2067 102Cr6, 1.2307 29CrMoV9	≤850 ≤1400	151 - 185 50 126 - 154 48	98 - 120 46 81 - 101 44						
高速钢	1,2080 X210Cr12, 1,2083 X42Cr13, 1,2419 105WCr6 1,3243 S 6-5-2-5, 1,3343 S 6-5-2, 1,3344 S 6-5-3	≤1400. ≤1400.	94 - 116 49	61 - 75 45						
弹簧钢	1.5026 55Si7, 1.7176 55Cr3, 1.8159 51CrV4	≤350 HB	94 - 116 48	01-70 40						
硬化钢	-	- ≤48 HRC ≤66 HRC								
不锈钢 硫化体	1.4005 X12CrS13, 1.4104 X14CrMoS17, 1.4105 X6CrMoS17	≤900	80 - 100 49	60 - 80 45						
奥氏体	1.4301 X5CrNi18-10, 1.4541 X6CrNiTi18-10	≤1100	70 - 90 48	55 - 75 44						
马氏体	1,4057 X20CrNi17-2, 1,4122 X39CrMo17-1	≤1500	65 - 70 49	50 - 65 45						
铸铁	0.6010 EN-GJL-100(GG10), 0.6020 EN-GJL-200(GG20)	≤240 HB ≤350 HB	220 - 270 50 201 - 247 49	143 - 175 46 131 - 161 45						
The same of the same of	0.6025 EN-GJL-250(GG25), 0.6035 EN-GJL-350(GG35) 0.7050 EN-GJS-500-7(GGG50), 0.8035 EN-GJMW-350-4(GTW35)	≤240 HB	182 - 224 50	118 - 146 46						
球墨铸铁和可锻铸铁	0.7070 EN-GJS-700-2(GGG70), 0.8170 EN-GJMB-700-2(GTS70)	≤350 HB	157 - 193 49	102 - 126 45						
冷硬铸铁	-	≤350 HB	107 - 131 47	69 - 85 43						
1	EN-GJV250 (GGV25), EN-GJV350 (GGV35)	≤220 HB	100	15 75 37						
螺状石墨铸铁	EN-GJV400 (GGV40), EN-GJV500 (GGV50), SiMo 6	≤300 HB								
等温淬火球墨铸铁	EN-GJS-800-8 (ADI800), EN-GJS-1000-5 (ADI1000)	≤1000								
	EN-GJS-1200-2 (ADI1200), EN-GJS-1400-1 (ADI1400)	≤1400								
特殊合金	Nimonic, Inconel, Monel, Hastelloy	≤2000	56 - 70 48							
钛和钛合金	3.7024 Ti99,5, 3.7114 TiAl5Sn2,5, 3.7124 TiCu2	≤850	54 - 86 43	61 - 75 44						
铝和铝合金	3.7154 TiAl6Zr5, 3.7164 TiAl6V4, 3.7184 TiAl4Mo4Sn2,5 3.0255 Al99,5, 3.2315 AlMqSi1, 3.3515 AlMq1	≤1400 ≤400	44 - 72 42	49 - 61 43 300 - 380 47						
報铝合金	3.0615 AlMgSiPb, 3.1325 AlCuMg1, 3.3245 AlMg3Si	≤650		370 - 440 47						
	3.2131 G-AlSi5Cu1, 3.2153 G-AlSi7Cu3, 3.2573 G-AlSi9	≤600		150 - 185 45						
铸铝	3.2581 G-AlSi12, 3.2583 G-AlSi12Cu, - G-AlSi12CuNiMg	≤600		115 - 145 46						
镁合金铜	3.5200 MgMn2, 3.5812.05 G-MgAl8Zn1, 3.5612.05 G-MgAl6Zn1	≤400		175 - 215 47						
低合金铜	2.0070 SE-Cu, 2.1020 CuSn6, 2.1096 G-CuSn5ZnPb	≤500		80 - 100 46						
黄铜,短屑	2.0380 CuZn39Pb2, 2.0401 CuZn39Pb3, 2.0410 CuZn43Pb2	≤600		75 - 95 45						
黄铜、长屑	2.0250 CuZn20, 2.0280 CuZn33, 2.0332 CuZn37Pb0,5	≤600		60 - 75 45						
青铜, 短眉	2.1090 CuSn7ZnPb, 2.1170 CuPb5Sn5, 2.1176 CuPb10Sn	≤600		75 - 95 45						
The state of the s	2.0790 CuNi18Zn19Pb	≤850		55 - 70 44						
青铜,长周	2.0916 CuAl5, 2.0960 CuAl9Mn, 2.1050 CuSn10 2.0980 CuAl11Ni, 2.1247 CuBe2	≤850 ≤1000								
热固性塑料 热塑性塑料	2,000 CUMTING 2,1247 CUDEZ	21000								

进给代号

fz (mm/tooth) 0,006

0,010

0,020

0,032

0.007

0,010

0,022

0,035

47

0.010

0,016

0.028

0.029

0,042

46

0.008

0,015

0,025

0,042

48

0,012 0,013

0,026

0,047

49

0,014 0,019

0,028

0,053 0,065

50

0.016

0,022

0,030

0,052

51

0.018

0,024

0.032

0,041

0,058

52

0.020

0,030

0.038

0,047

0,064

热塑性塑料 凯夫拉纤维 玻璃,碳纤维,塑料

ap 1,5xD = 50% ae 0,25xD = 150% ap 0,5xD = 75% ap 2xD = 50%

								精铣									
VH	M.	VHI	М	VH	M	VHI	A.	VHM	V	VHI	Л	VHN	Л	VHN	Λ	VHI	M
N		W		NF	Rf	HF	2	N		N		N		N		N	
665		ees	6	660	-	650	d.	673		658	3	cco	2	655	7	657	0
665	5	665	О	660	5	658	4	6536 6	0030			653	3			657 658	
	ALCO		Altr							GF1	00			3			
GF100	UVA	GF100	MIG			54HF	C	GF10		70				TI I			
-		1.20		100		and and		54HR		10		- 64		VI.		4	
- 0		0	1	V/		1//		To the		- 10				- 0		- 4	
10	ı	6	9	(2)		100		20		14	1	- 74	,	- 0		i ii	1
- 10		- 102	1	2/4				- 10		- 98		- 0		70		- 11	
- 14		/ 2	4	- 11		64		- 67		10		- 19		- 11			
- 11		- 4		- 11		- 111	1	- 10		- 11	ř	- 11	1	- 10	1	- 11	
- 11		1		- 1	U			Щ		- 11		ш		- 11		- 10	
- 11		7				77		17				7	8	- 11		- 1	
Ш		- 1		11		- 10		- 111				- 11		III.			
	4.0.0		40.0		10.0	- 0.5	4.0.0	0	45		1 D		4.0	-			1
a <sub>e</sub> = 0.5-	-1.0XD	a <sub>e</sub> = 0.5-	1.UXD	a <sub>e</sub> = 0.5-	LUXU.	a <sub>e</sub> = 0.5-	1.UXU	a <sub>e</sub> = 0.	IXD	$a_e = 0$ .	ixD	a <sub>e</sub> = 0.	IXD	a <sub>e</sub> = 0.	IXD	a <sub>e</sub> = 0	IXD
-								0				0				0	
H	7	6	5	H	5	60	7		1		7		1		1		1
	$\mathcal{L}$	100	$\nu$		$\mathcal{L}$		$\nu$				/		_				
ap = 1		a <sub>p</sub> = 1		a <sub>p</sub> =1		a <sub>p</sub> = 1	-	a <sub>p</sub> = 1		a <sub>p</sub> = 2		a <sub>p</sub> = 1		a <sub>p</sub> = 2		a <sub>p</sub> =	
m/min	进给代号	v <sub>c</sub> m/min	进给代号	m/min	进给代号	v <sub>e</sub> m/min	进给代号	m/min	进给代号	m/min	进给代号	m/min	进给代号	w <sub>c</sub> m/min	进给代号	v₀ m/min	进代
70 - 208 57 - 193	49 48			97 - 119 90 - 110	43 42			212 - 260 194 - 238	49 48	139 - 171 127 - 157	44 43	157 - 193 144 - 176	48 47	103 - 127 94 - 116	43 42	170 - 208 157 - 193	51
70 - 208	48			97 - 119	42			212 - 260	48	139 - 171	43	157 - 193	47	103 - 127	42	170 - 208	50
26 - 154 70 - 208	47 48			72 - 88 97 - 119	41	_		158 - 194 212 - 260	47	109 - 135 139 - 171	42	117 - 143 157 - 193	46	81 - 99 103 - 127	41	126 - 154 170 - 208	50
51 - 185	48			86 - 106	42			194 - 238	48	121 - 149	43	144 - 176	47	90 - 110	42	151 - 185	50
26 - 154 51 - 185	47 47			72 - 88 86 - 106	41			158 - 194 188 - 230	47	103 - 127 121 - 149	42	117 - 143 139 - 171	46 46	76 - 94 90 - 110	41	126 - 154 151 - 185	49
26 - 154	46			72 - 88	40	72 - 88	39	158 - 194	46	103 - 127	41	117 - 143	45	76 - 94	40	126 - 154	48
89 - 231 51 - 185	48 48			108 - 132 86 - 106	42	86 - 106	41	236 - 290 188 - 230	48	134 - 164 121 - 149	43	175 - 215 139 - 171	47	99 - 121 90 - 110	42	189 - 231 151 - 185	50
13 - 139	47			64 - 80	41	64 - 80	40	139 - 171	47	90 - 112	42	103 - 127	46	67 - 83	41	113 - 139	49
70 - 208 51 - 185	48 46			97 - 119 86 - 106	42	97 - 119 86 - 106	41 39	212 - 260 194 - 238	48	139 - 171 121 - 149	43	157 - 193 144 - 176	47 45	103 - 127 90 - 110	42	170 - 208 151 - 185	50 48
51 - 185	48			86 - 106	42	86 - 106	41	188 - 230	48	121 - 149	43	139 - 171	47	90 - 110	42	151 - 185	50
26 - 154 94 - 116	46 47			72 - 88	40	72 - 88 54 - 66	39 47	158 - 194 121 - 149	46	103 - 127 79 - 97	41	117 - 143 90 - 110	45 46	76 - 94 58 - 72	40	126 - 154 94 - 116	48
67 - 83 31 - 39	46 44			26 24	20	54 - 66 25 - 31	26	121 - 149	46							94 - 116	48
31-39	44			25 - 31	38	18 - 22	38 38	61 - 75	44							44 - 54	46
0 - 120 70 - 90	47 46			54 - 66 46 - 58	41			121 - 149 103 - 127	47	72 - 90 62 - 75	44	90 - 110 76 - 94	46 45			80 - 100 70 - 90	48
50 - 70	47			43 - 53	41	43 - 53	40	97 - 119	47	58 - 72	44	72 - 88	46			65 - 70	49
				126 - 154 115 - 141	44	126 - 154 115 - 141	42	255 - 313 255 - 313	48	182 - 224 163 - 201	43	189 - 231 189 - 231	47	135 - 165 121 - 149	42	220 - 270 201 - 247	50
				104 - 128	44	104 - 128	42	231 - 283	48	152 - 186	43	171 - 209	47	112 - 138	42	182 - 224	50
				90 - 110	43	90 - 110	41 39	194 - 238 134 - 164	47	127 - 157	42	144 - 176 99 - 121	46	94 - 116	41	157 - 193 107 - 131	49
40 - 50	46			32 - 40	42			72 - 90	46			54 - 66	45			56 - 70	48
67 - 83	46			54 - 66	41			121 - 149	46	79 - 97	41	90 - 110	45	58 - 72	40	54 - 86	43
54 - 66	45	810 - 990	50	43 - 53	40			97 - 119	45	61 - 75 220 - 280	40	72 - 88 765 - 935	44 50	45 - 55 450 - 550	39 45	44 - 72 342 - 418	51
		720 - 880	50							250 - 300	45	A STATE OF THE PARTY OF THE PAR				414 - 506	50
17 - 143	45	405 - 495 324 - 396	48							220 - 250 200 - 240	44	373 - 457 306 - 374	48	225 - 275 180 - 220	43	165 - 203	49
		450 - 550	50							210 - 260	46					197 - 241	51
		216 - 264 198 - 242	49 48	117 - 143	44	117 - 143	42			110 - 120 100 - 120	45	198 - 242 180 - 220	49	135 - 165 108 - 132	44	93 - 115 82 - 102	50 49
		162 - 198	48	94 - 116	44					90 - 110	44	144 - 176	48	90 - 110	43	77 - 95	49
63 - 77	43	198 - 242 153 - 187	48	117 - 143 87 - 107	44	117 - 143 87 - 107	42 41			100 - 120	44	180 - 220 135 - 165	48	108 - 132	43	82 - 102	49
63 - 77	43	153 - 187	47	87 - 107	43											72 - 90	48
54 - 66 81 - 99	42 42	126 - 154 216 - 264	46 46	72 - 90	42											93 - 115	47
72 - 88	42	198 - 242	46													82 - 102	47
0.5xD = 0.5x		$a_p 0.5xD =$ $a_p 2xD =$		a <sub>p</sub> 1,5xD a <sub>e</sub> 0,25xD		$a_p 0.5xD =$	120%	a <sub>p</sub> 2xD =	50%	$a_p 3xD =$	50%	$a_p 2xD =$	50%	$a_p 3xD =$	50%	a <sub>p</sub> 2xD =	50
100																	



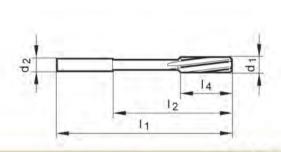
高性能铰刀

#### 机用铰刀





刀具材料	硬质合金	
表面处理	0	
类型	В	
柄部形式	HA	





产品代号

6528

折扣系数

						折扣系数	154
d1	d2 h6	11	12	14	Z	Code no.	库存
mm	mm	mm	mm	mm			- Feb. 14
0.980	4.000	50.000	22.000	6.000	3	0.980	
0.990	4.000	50.000	22.000	6.000	3	0.990	
1.000	4.000	50.000	22.000	6.000	3	1.000	*
1.010	4.000	50.000	22.000	6.000	3	1.010	*
1.020	4.000	50.000	22.000	6.000	3	1.020	*
1.030	4.000	50.000	22.000	9.000	3	1.030	
1.480	4.000	50.000	22.000	9,000	3	1.480	
1.490	4.000	50.000	22.000	9,000	3	1.490	
1.500	4.000	50.000	22.000	9.000	3	1.500	
1.510	4.000	50.000	22.000	9.000	3	1.510	
1.520	4.000	50.000	22.000	9.000	3	1.520	3.
1.530	4_000	50.000	22.000	9.000	3	1.530	
1.980	4.000	50.000	22.000	12.000	4	1.980	
1.990	4.000	50.000	22.000	12.000	4	1.990	*
2.000	4.000	50.000	22.000	12,000	4	2.000	
2.010	4.000	50.000	22.000	12,000	4	2.010	
2.020	4.000	50.000	22.000	12,000	4	2.020	
2.030	4.000	50.000	22.000	12.000	4	2.030	
2.480	4.000	60,000	32.000	16.000	4	2.480	*
2.490	4.000	60,000	32.000	16.000	4	2.490	
2.500	4,000	60.000	32.000	16.000	4	2.500	
2.510	4.000	60.000	32.000	16.000	4	2.510	*
2.520	4.000	60.000	32.000	16.000	4	2.520	9
2.530	4.000	60,000	32.000	16.000	4	2.530	
2.970	4.000	64.000	36.000	17.000	6	2.970	*
2.980	4.000	64.000	36.000	17.000	6	2.980	*
2.990	4.000	64.000	36.000	17.000	6	2.990	
3.000	4.000	64.000	36.000	17.000	6	3.000	
3.010	4.000	64.000	36.000	17.000	6	3.010	*
3.020	4.000	64.000	36.000	17.000	6	3.020	

						折扣系数	154
d1	d2 h6	11	12	14	Z	Code no.	库存
mm	mm	mm	mm	mm			2.11
3.030	4.000	64.000	36.000	17.000	6	3.030	
3.970	4.000	77.000	45.000	21.000	6	3.970	
3,980	4.000	77.000	45.000	21.000	6	3,980	
3.990	4.000	77.000	45.000	21.000	6	3.990	
4.000	4.000	77.000	45.000	21.000	6	4.000	
4.010	4.000	77.000	45.000	21.000	6	4.010	
4.020	4.000	77.000	45.000	21.000	6	4.020	+
4.030	4.000	77.000	45.000	21.000	6	4.030	
4.970	6.000	93.000	59.000	26.000	6	4.970	
4.980	6.000	93.000	59.000	26,000	6	4.980	
4.990	6.000	93.000	59.000	26.000	6	4.990	
5.000	6.000	93.000	59.000	26.000	6	5.000	
5.010	6.000	93.000	59.000	26.000	6	5,010	
5.020	6.000	93.000	59.000	26.000	6	5,020	
5.030	6.000	93.000	59.000	26.000	6	5.030	
5.970	6.000	93,000	57.000	26.000	6	5.970	
5.980	6.000	93.000	57.000	26.000	6	5.980	
5.990	6.000	93.000	57.000	26.000	6	5.990	
6.000	6.000	93.000	57.000	26.000	6	6.000	
6.010	6.000	93.000	57.000	26.000	6	6.010	
6.020	6.000	93,000	57.000	26.000	6	6.020	
6.030	6.000	93.000	57.000	26.000	6	6.030	
7.000	8.000	109.000	69.000	31.000	6	7.000	
7.970	8.000	117.000	75.000	33.000	6	7.970	
7.980	8.000	117.000	75.000	33,000	6	7,980	
7.990	8.000	117.000	75.000	33.000	6	7,990	
8.000	8.000	117.000	75.000	33.000	6	8.000	1
8.010	8.000	117.000	75.000	33.000	6	8.010	
8.020	8.000	117.000	75.000	33.000	6	8.020	
8.030	8.000	117.000	75.000	33.000	6	8.030	
		117.000			6	8.040	
3.040	8.000		75.000	33.000			
9.000	10.000	125.000 133.000	81.000	36.000	6	9.000	
9.970	10.000	133.000	87.000	38.000		9.970	
9.980	10.000		87.000	38.000	6	9.980	
9.990	10.000	133.000	87.000	38.000	6	9.990	
0.000	10.000	133.000	87.000	38.000	6	10.000	
0.010	10.000	133.000	87.000	38,000	6	10.010	
0.020	10.000	133.000	87.000	38.000	6	10.020	
0.030	10.000	133.000	87.000	38.000	6	10.030	
0.040	10.000	133.000	87.000	38.000	6	10.040	
0.050	10.000	133.000	87.000	38.000	6	10.050	
1.970	12.000	151.000	105.000	44.000	6	11.970	
1.980	12.000	151.000	105.000	44.000	6	11.980	
1.990	12.000	151.000	105.000	44.000	6	11.990	
2.000	12.000	151.000	105.000	44.000	6	12.000	
2.010	12.000	151.000	105.000	44.000	6	12.010	
2.020	12.000	151.000	105.000	44.000	6	12.020	
2.030	12.000	151.000	105.000	44.000	6	12.030	
2.040	12.000	151.000	105.000	44.000	6	12.040	
2.050	12 000	151 000	105 000	44 000	6	12.050	4

12.040 12.050

12.000

151.000

105.000

44,000

6

12.050

产品代号

货号	5527
标准/DIN	Company std.
刀具材料	Carbide
槽型	K10
柄部形式	cyl.
表面处理	0
检索目录	130

		进	给代号	5							
直径	71	72	73	74	75						
	f (mm/rev.)										
< 4.00	0.080	0.100	0.125	0.300	0.500						
4.00	0,100	0.125	0.160	0.300	0.500						
5.00	0.100	0.125	0.160	0.400	0.700						
6,30	0.125	0.160	0.200	0.400	1.000						
8.00	0.160	0.200	0.250	0.600	1.400						
10.00	0.200	0.250	0.315	0.600	1.400						
12.50	0.200	0.250	0.315	0.800	1.800						
16.00	0.250	0.315	0.400	0.800	2.200						
20.00	0.315	0.400	0.500	0.800	2.200						
25.00	0.400	0.500	0.630	1.000	2.500						
31.50	0.400	0.500	0.630	1.000	3.000						
40.00	0.500	0.630	0.800	1.200	3.000						
50.00	0.630	0.800	1.000	1.400	3.000						
-50.00	0.800	1.000	1.250	1.600	3.000						

冷却种类

○ 气冷 ● 乳化液 ● 切削油



工件材料	材料举例	抗拉强度	硬度	冷却 方式	m/min	进经代号
普通结构钢	1.0035 S185(St33), 1.0486 P275N(StE285), 1.0345 P235GH(H1), 1.0425	≤500		0	18	72
HI-STORY CO.	1.0050 E295 (St50-2), 1.0070 E360 (St70-2), 1.8937 P500NH (WStE500)	≤1000			16	72
易切削钢	1.0718 11SMnPb30 (9SMnPb28), 1.0736 11SMn37 (9SMn36)	≤850			18	.72
20 20 Lin HJ	1.0727 46S20 (45S20), 1.0728 (60S20), 1.0757 46SPb20 (45SPb20)	≤1000			16	72
	1.0402 C22, 1.1178 C30E (Ck30)	≤700		0	18	71
非合金热处理钢	1,0503 C45, 1,1191 C45E (Ck45)	≤850		0	16	72
	1.0601 C60, 1.1221 C60E (Ck60)	≤1000			14	71
合金热处理钢	1.5131 50MnSi4, 1.7003 38Cr2, 1.7030 28Cr4	≤1000		0	14	71
日並加入任約	1.5710 36NiCr6, 1.7035 41Cr4, 1.7225 42CrMo4	≤1400		0	12	71
非合金表面硬化钢	1.0301 (C10), 1.1121 C10E (Ck10)	≤850		0	18	.71
合金表面硬化钢	1.7276 10CrMo11, 1.5125 11MnSi6	≤1000			14	71
EN THE WATER HIS LICENS	1.5752 15NiCr13, 1.7131 16MnCr5, 1.7264 20CrMo5	≤1400			12	.71
氧化钢	1.8504 34CrAl6	≤1000			14	71
44 (m 93)	1.8519 31CrMoV9, 1.8550 34CrAlNi7	≤1400		•	12	71
工具钢	1.1750 C75W, 1.2067 102Cr6, 1.2307 29CrMoV9	≤850			12	71
7.35.89	1.2080 X210Cr12, 1.2083 X42Cr13, 1.2419 105WCr6, 1.2767 X45NiCrMo4	≤1400			10	71
高速钢	1.3243 S 6-5-2-5, 1.3343 S 6-5-2, 1.3344 S 6-5-3	≤1400			10	71
弹簧钢	1.5026.55Si7, 1.7176.55Cr3, 1.8159.51CrV4 (51CrV4)		≤350 HB			
硬化铜			≤48 HRC		6	71
705 J.F. 163			≤66 HRC			
不锈钢 硫化体	1.4005 X12CrS13, 1.4104 X14CrMoS17, 1.86681 X6CrMoS17, 1.4305	≤900			8	.71
奥氏体	1.4301 X5CrNi18-10 (V2A),1.4541 X6CrNiTi18-10, 1.4571 X6CrNiMoTi	≤1100			6	71
马氏体	1.4057 X20CrNi172 (X17CrNi16-2), 1.4122 X39CrMo17-1, 1.4521	≤1500			6	71
铸铁	0.6010 EN-GJL-100 (GG10), 0.6020 EN-GJL-200 (GG20)		≤240 HB	00	20	71
初秋	0.6025 EN-GJL-250 (GG25), 0.6035 EN-GJL-350 (GG35)		≤350 HB	00	18	71
THE BUT AND THE THE THE PARTY AND ADDRESS.	0.7050 EN-GJS-500-7 (GGG50) 0.8035 EN-GJMW-350-4 (GTW35)		≤240 HB	0	20	71
球墨铸铁和可锻铸铁	0.7070 EN-GJS-700-2 (GGG70), 0.8170 EN-GJMB-700-2 (GTS70)		≤350 HB	0	18	71
冷硬铸铁			≤350 HB	0		
AND TOTAL PARTY.	EN-GJV250 (GGV25),EN-GJV350 (GGV35)		≤220 HB	00	16	71
蠕状石墨铸铁	EN-GJV400 (GGV40), EN-GJV500 (GGV50), SiMo 6		≤300 HB	00	16	71
NOTICE OF THE REAL PROPERTY.	EN-GJS-800-8 (ADI800), EN-GJS-1000-5 (ADI1000)	≤1000		00	12	71
等温淬火球墨铸铁	EN-GJS-1200-2 (ADI1200), EN-GJS-1400-1 (ADI1400)	≤1400		00	12	71
特殊合金	Nimonic, Inconel, Monel, Hastelloy	≤2000			6	71
AL TOLL A A	3.7024 Ti99,5, 3.7114 TiAl5Sn2,5, 3.7124 TiCu2	≤850			10	.71
钛和钛合金	3.7154 TiAl6Zr5, 3.7165 TiAl6V4, 3.7184 TiAl4Mo4Sn2,5, - TiAl8Mo1V1	≤1400			10	71
铝和铝合金	3.0255 Al99,5, 3.2315 AlMgSi1, 3.3515 AlMg1	≤400		0	30	73
银铝合金	3.0615 AlMgSiPb, 3.1325 AlCuMg1, 3.3245 AlMg3Si, 3.4365 AlZnMgCu1,5	≤650		0	30	73
铸铝	3.2131 G-AlSi5Cu1, 3.2153 G-AlSi7Cu3, 3.2573 G-AlSi9	≤600		0	40	72
F70 9E0	3.2581 G-AlSi12, 3.2583 G-AlSi12Cu, - G-AlSi12CuNiMg	≤600		0	30	72
镁合金铜	3.5200 MgMn2, 3.5812.05 G-MgAl8Zn1, 3.5612.05 G-MgAl6Zn1	≤400		Ô	25	72
低合金铜	2.0070 SE-Cu, 2.1020 CuSn6, 2.1096 G-CuSn5ZnPb	≤500		0	25	72
黄铜、短屑	2.0380 CuZn39Pb2, 2.0401 CuZn39Pb3, 2.0410 CuZn43Pb2	≤600		0	35	72
黄铜、长屑	2.0250 CuZn20, 2.0280 CuZn33, 2.0332 CuZn37Pb0,5	≤600		0	30	72
李均 杨柳	2.1090 CuSn7ZnPb, 2.1170 CuPb5Sn5, 2.1176 CuPb10Sn	≤600			35	72
青铜、短屑	2.0790 CuNi18Zn19Pb	≤850			30	72
The Ve	2.0916 CuAl5, 2.0960 CuAl9Mn, 2.1050 CuSn10	≤850			30	72
青铜、长屑	2.0980 CuAl11Ni, 2.1247 CuBe2	≤1000			25	72
热固性塑料	Epoxy resin, Resopal, Pertinax, Moltopren	≤150		Ó	20	73
热塑性塑料	Plexiglass, Hostalen, Novodur, Makralon	≤100		00	20	73
凯夫拉纤维	Kevlar	≤1000		0		

SO	MC	CMC	国家欧洲	德国	英国		瑞典	美国	法国	意人利	西班牙	日本
			标准 DINEN	Wnr.	BS	EN	ss	AI SI/SAE/ASTM	AENOR	UNI	UNE	JIS
P	非合金钢		DINER	[1411.	100	LIN	100	ALGITOALIAGTIV	LININOIS	ON	TOINE	1010
	P1. L. Z. AN	01.1	S235JR G2	1.0038	4360 40 C		1311	A570. 36	E 24-2 Ne		1	STKM 12A;C
	PI. L. Z. AN	01. I	S235JR 62 S235J2 G3	1.0116	4360 40 E		1312	A573-81 65	E 24-1 Ne	Fe37-3		51k# 14k;t
	P1. 1. Z. AN	01.1	C15	1.0401	080M15		1350	1015	CC12	C15C16	F. 111	
	A CONTRACTOR OF THE PROPERTY O	4 1 N		F - 2 - 1	The state of the s		100	1		The second secon	The second second	
	P1. 1. Z. AN	01. 1	C22	1.0402	050A20	2C/2D	1450	1020	CC20	C20C21	F. 112	esen.
	P1. L. Z. AN	01.1	C15E	1.1141	080M15	32C	1370	1015	XC12	C16	C15K	S15C
	P1. L. Z. AN	01.1	C25E	1.1158	4970 00 0		0.545	1025	-	is manage	-	S25C
	P1. 1. Z. AN	01.1	S380N	1.8900	4360 55 E	~	2145	A572-60	2	FeE390KG	-	
	P1. I. Z. AN	01.1	17MnV7	1.0870	4360 55 E	-	2142	A572-60	NFA 35-501 E 36	-	Torse.	1
	P1. L. Z. AN	02.1	55Si7	1.0904	250A53	45	2085	9255	55S7	55Si8	56Si7	li i
	P1. I. Z. AN	02. 2	T.	Ĩ	7	~	2090	9255	5587			7
	P1. 2. Z. AN	01.2	C35	1:0501	060A35	$\sim$	1850	1035	CC35	C35	F. 113	-
	P1. 2. Z. AN	01.2	C45	1.0503	080M46	-	1650	1045	CC45	C45	F. 114	-
	P1. 2. Z. AN	01.2	40Mn4	1. 1157	150M36	15	9	1039	35M5	-	500	7
	P1. 2. Z. AN	01.2	36MN5	1.1167	-	2	2120	1335	40M5	-	36Mn5	SMn 438 (H)
	P1. 2. Z. AN	01.2	28Mn6	1.1170	150M28	14A	-	1330	20M5	C28Mn	-	SCMn1
	P1. 2. Z. AN	01.2	C35G	1.1183	060A35	~	1572	1035	XC38TS	C36	-	S35C
	P1. 2. Z. AN	01.2	C45E	1.1191	080446	-	1672	1045	XC42	C45	C45K	S45C
	P1. 2. Z. AN	01.2	C53G	1.1213	060A52	8	1674	1050	XC48TS	C53	2-6	S50C
	P1. 2. Z. AN	01.3	C55	1: 0535	070M55	-	1655	1055	-	C55	-	-
	P1. 2. Z. AN	01.3	C55E	1. 1203	070M55	-	-	1055	XC55	C50	C55K	S55C
	P1. 2. Z. AN	02.1	S275J2G3	1.0144	4360 43C	-	1412	A573-81	E 28-3	20	e	SM 400A:B:C
	P1. 2. Z. AN	02. 1	S355J2G3+C2	1.0570	4360 50B	-	2132	-	E36-3	Fe52BFN/Fe52CFN	_	SM490A:B:C:YA:
	P1. 2. Z. AN	02.1	\$355,1263	1.0841	150 M 19		2172	5120	20 MC 5	Fe62	F-431	-
	P1. 3. Z. AN	01.3	C60E	1.0601	080A62	43D	2112	1060	CC55	C60	131	
	P1. 3. Z. AN	01.3	C60E	1. 1221	080A62	43D	1678	1060	XC60	C60	2	S580
	and the second s		CIOIE			390	CATTER TO	1095	XC 100	COU	17.5117	3000
	P1. 3. Z. AN	01.4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1, 1274	060 A 96		1870			Parket	F-5117	ck a
	P1. 3. Z. AN	01.4	C101u	1. 1545	BW 1A		1880	W 1	Y105	C36KU	F-5118	SK. 3
	P1. 3. Z. AN	01.4	C105W1	-	BW2	-	2900	W210	Y120	C120KU	F. 515	SUP4
	P1. 3. Z. AN	02.1	S340 MGC	1.0961	E CONTRACTOR OF THE CONTRACTOR	~	S	9262	60SC7	60SiCr8	60SiCr8	
	P1. 4. Z. AN	01.1	11SMn30	1.0715	230007	-	1912	1213	S250	CF9SMn28	11SMn28	SUM22
	P1. 4. Z. AN	01.1	11SMnPb30	1:0718	-		1914	12113	S250Pb	CF9SMnPb28	11SMnPb28	SUM22L
	P1. 4. Z. AN	01.1	10SPb20	1.0722	-	-	-	T	10PbF2	CE10SPb20	10SPb20	-
	P1. 4. Z. AN	01.1	11SMri37	1.0736	240407	18	-	1215	5 300	CF9SMn36	12SMn35	-
	P1. 4, Z, AN	01.1	11SMnPb37	1.0737	0	8	1926	12L14	S300Pb	CF9SMnPb36	12SMnP35	-
182	P1. 4. Z. AN	01.2	35S20	1.0726	212M36	8M	1957	1140	35MF4	2	F210G	6
-54-	P1. 5. C. UT	01.1	GC16E	1.1142	030A04	1A	1325	1115	-	-	-	-
	低合金钢											
	P2. L. Z. AN	02.1	16Mo3	1.5415	1501-240	-	2912	A204Gr, A	1503	16Mo3KW	16Mo3	1-
	P2: 1. Z. AN	02.1	14Ni6	1. 5622	1001 210		2012	A350LF5	16NG	14N16	15Ni6	
		02. 1	21NiCrMo2	1. 6523	805M20		nene	8620	20NCD2	20NiCrMo2	20NiCrMo2	SNCM220 (H)
	P2. 1. Z. AN				110000	362	2506	8020		20N1CF#02	The state of the s	3)VM220 (II)
	P2. 1. Z. AN	02.1	17CrNiMo6	1. 6587	820A16	-	T		18NCD6		14NiCrMo13	00 11700
	P2. 1, Z, AN	02. 1	15Cr3	1.7015	523M15	74	1	5015	12C3			SCr415 (H)
	P2. 1. Z. AN	02. 1	55Cr3	1.7176	527A60	48	2000	5155	55C3		- War with	SUP9 (A)
	P2. 1. Z. AN	02. 1	15CrMo5	1.7262	The Control of the Co	-	2216	100000000000000000000000000000000000000	12CD4	Eastern's	12CrMo4	SCM415(H)
	P2. 1. Z. AN	02. 1	13CrMo4-5	1. 7335	1501-620Gr27	-	-	A182 F11:F12	15CD3. 5	14CrMo4 5	14CrMo45	
		22.0	Nie Oni Co	1.00	SEED MADE VESTER		200	VI-0 - 10	15CD4, 5	10.67/10	in 10 s	
	P2. 1. Z. AN	02. 1	10CrMo9 10	1.7380	1501-622 Gr. 31:45	-	2218	A182 F. 22	12CD9, 10	12CrMo9, 10	TU. H	li .
	P2. 1. Z. AN	02.1	14MoV6 3	1.7715	1503-660-440	8,	2000		8	Service of	13MoCrV6	15
	P2. 1. Z. AN	02.1	50CoMo4	1.7228	823M30	.33	2512	18-2	8	653M31	Jan 1	I
	P2. 1, Z, AN	02.2	14NiCr10	1.5732	-	3	=	3415	14NC11	16NiCr11	15NiCr11	SNC415 (H)
	P2. 1. Z. AN	02.2	14NiCr14	1.5752	655M13; A12	36A	-	3415;3310	12NC15	75.00	-	SNC815.(H)
	P2. 1. Z. AN	02.1/02.2		1.7131	(527M20)		2511	5115	16MC5	16MnCr5	16MnCr5	1
	P2. 1. Z. AN	02.1/02.2	34CrMo4	1.7220	708A37	19B	2234	4137;4135	35CD4	35CrMo4	34CrMo4	SCM432; SCCRM3
	P2. 1. Z. AN	02.1/02.2	41CrMo4	1.7223	708M40	19A	2244	4140:4142	42CD4TS	41CrMo4	42CrMo4	SCM 440
	P2. 1. Z. AN	02.1/02.2	42CrMo4	1.7225	708M40	19A	2244	4140	42CD4	42CrMo4	42CrMo4	SCM440 (H)
	P2. 1. Z. AN	03.11	14NiCrMo134	1.6657	832M13	36C	-	- 6	8	15NiCrMo13	14NiCrMo131	-
	P2. 2. Z. AN	02.1	31CrMo12	1. 8515	722 M 24	8	2240	=	30 CD 12	30CrMo12	F-1712	-
	P2. 2. Z. AN	02. 1	39CrMoV13 9	1.8523	897M39	40C	-	-	6	36CrMoV12	122	1-
	P2. 2. Z. AN	02.1	41CrS4	1. 7039	524A14	-	2092	Li	8.	105WCR 5	15.	-
	P2. 2. Z. AN	02.1	50NiCr13	1. 2721	12000	-	2550	1.6	55NCV6	-	F-528	
	P2. 2. Z. AN	03. 11	45WCrV7	1. 2542	BS1	-	2710	SI	-	45WCrV8KU	45WCrSi8	2
	P2. 2. Z. AN/P2. 5, Z. HT	02. 1/02. 2		1. 6511	C. Carrier	110	- 10	9840	40NCD3	38NiCrMo4(KB)	35NiCrMo4	
		02. 1/02. 2		1. 6582	817M40		2541	4340	35NCD6	35NiCrMo6(KB)	SONICIEUT	
	P2. 2. Z. AN/P2. 5. Z. HT	THE STATE OF THE STATE OF		4.1	700000	24	1102			Control of the contro	250m4	8C+120/th
	P2. 2. Z. AN/P2. 5. Z. HT	02. 1/02. 2	Later and the second	1. 7033	530A32	18B		5132	3204	34Cr4 (KB)	35Cr4	SCr430 (H)
	P2. 2. Z. AN/P2. 5. Z. HT	02. 1/02. 2		1. 7035	530A40	18	00.40	5140	42C4	41Cr4	42Cr4	SCr440 (H)
	P2. 2. Z. AN/P2. 5. Z. HT	02. 1/02. 2	the state of the s	1.7361		40B	2240	5.5.	30CD12	32CrMo12	F. 124. A	atas 2
	and the control of the section of the control of th	102 1/02 2	51CrV4	1.8159	735A50	47	2230	6150	50CV4	50CrV4	51CrV4	SUP10
	P2. 2. Z. AN/P2. 5. Z. HT	The state of	The second second				A Company					
	P2. 2. Z. AN/P2. 5. Z. HT P2. 2. Z. AN/P2. 5. Z. HT P2. 3. Z. AN	02.1/02.2	The second second	1.8509 1.3505	905M39 534A99	41B 31	2940 2258	52100	40CAD6, 12 100C6	41CrAlMo7 100Cr6	41CrA1Mo7	SUJ2

0	MC.	CMC	国家 欧洲	德国	英国		瑞典	美国	法国	意大利	<b>尼班西</b>	日本
		1	标准	The said	Tee	Test	Fee	Type was to	mi l'aminam	Low	True	Live
P	P2. 3. Z. AN/H1. 2. Z. HA	02. 1/02. 2	DINEN 105WCr6	Wnr . 1, 2419	BS	EN	SS 2140	AISI/SAE/AS	105WC13	UNI 10WCr6	UNE 105WCr5	JIS SKS31
٦		V4. 1/V4. 4	TUOWCTO	1: 2418			2140		100#13	107WCr5KU	HOWETO	SKS2, SKS3
	P2. 3. Z. AN/H1. 2. Z. HA	00 1/00 n		1.2714				10	cevenue	TOTACLONG	F. 520, S	SKT4
	P2, 3, Z, AN/H1, 2, Z, HA	02.1/02.2	Total State of the Control of the Co		131.97			L6	55NCDV7			2014
	P2. 3. Z. AN/H1. 3. Z. HA	02. 1/02. 2	A Transfer Co.	1. 2067	BL3		0107	L3	¥100€6		100Cr6	
	P2, 4, Z, AN	02.1	16MnCr5	1.7139	debe due ton		2127	1000	-		con e	1
	P2. 5. Z. HT	02. 1	16Mo5	1.5423	1503-245-420	-	-	4520		16Mo5	16Mo5	-
	P2, 5, Z, HT	02. 1	40NiCrMo8-4	1. 6562	311-Type 7		2200	8740	7.	40NiCrMo2(KB)	40NiCrMo2	SNCM240
	P2. 5. Z. HT	02. 1	42Cr4	1. 7045	E	-	2245	5140	Ŧ	-	42Cr4	SCr440
	P2. 5. Z. HT	02.1	31NiCrMo14	1.5755	830 M 31	-	2534	Desa	-		F-1270	Louis
	P2. 5. Z. HT	02. 2	36NiCr6	1,5710	640A35	111A	-	3135	35NC6	-		SNC236
	PZ. 6, C. LT	02.1	22Mo4	1.5419	605A32	-	2108	8620		To Constitution	F520. S	Tarra varia
	P2, 6, C, UT	02.1/02.2	25CrMo4	1.7218	1717CDS110	-	2225	4130	25C04	25CrMo4 (KB)	AM26CrMo4	SCM420; SCM43
	P2. 6. C, UT	06. 2	-	-	-		2223	-	1	-	-	-
	高合金钢	line see	familia de	Transi	Terror			Tex	lanara.	Francis Comp.	Teacherine	Latin
	P3. 0. Z, AN	03. 11	X210Cr12	1. 2080	BD3			D3.	Z200C12	X210Cr13KU X250Cr12KU	X210Cr12	SKD1
	P3. O. Z. AN	03.11	X43Cr13	1. 2083	=	-	2314		-	0	-	100
	P3. 0. Z. AN	03.11	X40CrMoV5 1	1. 2344	BH13		2242	B13	Z40CDV5	X35CrMoV05KU	X40CrMoV5	SKD61
	P3. 0, Z, AN	03. 11	X100CrMoV5 1	1. 2363	BAZ		2260	A2	Z100CDV5	X40CrMoV511KU X100CrMoV51KU	X100CrMoV5	SKD12
	P3. O. Z. AN	03.11	X210CrW12	1. 2436	DA2		2312	AZ	Z100CDVS	X215CrW12 IKU	X210CrW12	SKD12
	P3. 0. Z. AN	03.11	X30WCrV9 3	1. 2581	BH21		2012	821	Z30WCV9	X28W09KU	X210GFW12 X30WCrV9	SKD5
	10.0.2,00	00, 11	ASUMETER D	1. 2001	Dittal			120	LOUNCYS		ASOMETYB	SILVO
	70 0 7 W	03. 11	Viceo acar an	1 2000			0000			X30WCrV9 3KU	X160CrMoV12	
	P3. 0. Z. AN		X165CrMoV 12	1. 2601			2310	Divisio	7	X165CrMoW12KU	A100CTMOV12	I
	P3. 0. Z. AN	03. 21	X155CrMoVI2-1	1. 2379	1201 200 210		2736	INV3		Viovio	VBV:00	1
	P3. O. Z. HT P3. O. Z. HT	03. 11	X8N19 12N119	1, 5662	1501-509;510		5	ASTM A353 2515	Z18N5	X10N19	XBN 109	
	P3. 1, Z, AN	03. 11	S6-5-2	The second second	ADTORAG		2715	D3	Z40CSD10	15NiCrMo13		SUH3
	P3. 1. Z. AN	03. 13	30-0-2	1, 3343	4959BA2 BM 2		2722	M 2	Z85WDCV	HS 6-5-2-2	F-5603.	SKH 51
	the second secon	03, 13	HS 6 5 2 5	1 90.19	BM 35		2723	M 35	6-5-2-5	HS 6-5-2-5	F-5613	SKH 55
	P3. 1. Z. AN P3. 1. Z. AN	03. 13	HS 2-9-2	1, 3243	DN 20		2782	M 7	0-3-2-0	HS 2-9-2	F-5607	ONI DO
	P3. 2. C. AQ	06. 33	G-X120Mn12	1. 3401	Z120W12		2183	L3	Z120M12	XG120Mn12	X120Mn12	SCMnH/1
	铁素体/马氏体不锈		W ALEVERIE	11.0301	Lieunis		12100	100	Leaning	TAD I SOME IS	[Alevania	(araudi) ).
	P5. 0. Z. AN		X10CrAL13	1.4724	403517		1-	405	Z10C13	X10CrA112	F. 311	SUS405
2	P5. 0. Z. AN	1	X10CrAL18	1. 4742	430S15	60		430	Z10CAS18	X8Cr17	F. 3113	SUS430
	P5. 0. Z. AN	and the second second	X10CrAL2-4	1. 4762	100010	- 00	2322	446	Z10CAS24	X16Cr26	1.0110	SUH446
	P5. O. Z. AN	05.11/15.11	XICrMoTi18-2	1, 4521	-	-	2326	S44400	2100.0029	8100120		201910
	P5. 0. Z. AN/P5. 0. Z. HT	05.11/15.11	X6C):13	1. 4000	403517		2301	403	Z6C13	X6Cr:13	F. 3110	SUS403
	P5. O. Z. AN/P5. O. Z. HT	00.11/10.11	X7Cr-14	1. 4001	400011		2.501	404	ZACES:	AUG T-10	F. 8401	202402
	PS. O. Z. AN/PS. O. Z. HT	05.11/15.11	THE STATE OF THE S	1.4006	410S21	56/	2302	410	Z10C14	X12Cr-13	F. 3401	505410
	P5. O. Z. AN/P5. O. Z. HT	05. 11/15. 11	X6Cr17	1. 4016	430S15	960	2320	430	Z8C17	XSCr17	F3113	SUS430
	P5. O. Z. AN/P5. O. Z. HT	05. 11/15. 11	X6CrAL13	1.4002	405S17	300	2020	405	Z8CA12	X6CrAl13	ra119	303930
	P5. 0. Z. AN/P5. 0. Z. HT	05. 11/15. 11	to and the state of the state o	1, 4021	420S37		2303	420	Z20C13	X20Cr13		
	P5. 0. Z. AN/P5. 0. Z. HT	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	X6CrMo17-1	1.4113	434517		2325	434	Z8CD17, 01	X8CrMo17	100	SUS434
	And the state of t		A CONTRACTOR OF	The second second	The second second		2020	HW3	100000000000000000000000000000000000000	X45GrSi8	17900	
	P5. 0. Z. HT	03. 11	X45CrS9=3-1 X85CrMoV18-2	1. 4718	401S45 443S65	52 59	1	HNV6	Z45CS9 780CSN20 02		F322 F. 320B	SUH1 SUH4
	P5. 0. Z. HT P5. 0. Z. HT		X20CrMoV12-1	1. 4748	443505	59	2317	11.57.0	2500.5(20.02	X80CrSiNi20 X20CrMoNi 12 01	F. 320B	SUNA
	P5. O. Z. PH	05.11/15.11		1. 4922	416 S 21		2380	416	Z11CF13	X12 CrS 13	F-3411	SUS 416
	P5. 0. Z. PH	05.11/15.11		1. 4034	420845		2304	410	Z11CF13	X40Cr14	F-3411 F-3405	SUS420J2
	P5. 0. Z. PH		X19CrNi 17-2	1. 4057	431529	56D 57	2321	431	Z15CNi6.02	X16CrNi16	F. 3427	SUS420J2 SUS431
	P5. O. Z. PH		XISCENITURE 4	1, 4542 1, 4548	401063	201	2021	630	Z7CNU17-04	310071110	F. 3427	200421
	P5. 0. Z. PH		X4 CrNiMo16-5	1, 4042 1, 4048			2387	030	Z/CNU17-04 Z6CNB16-04-01		1	I .
	P5. 1. Z. AN/P5. O. Z. HT	500000	X14CrMoS17	1, 4104	2	0.1	2383	430F	Z10CF17	X10CrS17	F. 3117	SUS430F
	and the second of the second		The grown of Market of	21.2401			2000	100	2.00.11	- exercit.	The state of the s	oes loni
	acte a vii	56-v			商品名称		-					
	P2. 1. Z. AN	02.1		V 0015	OVAKO 520M (OV							
	P2. 2. Z. AN	02.1		1, 0045	FORMAX (Uddeh							
	P2. 2. Z. AN	02.1			IMACRO NIT (I)							
	P2, 5, Z, H1	02. 2			INEXA 482 (XM)	Unexa	rrottl)					
	P1. 2. Z. AN				S355,F2G3 (XM)							
	P1. 2. Z. AV				C45 (XM)							
	P1. 2. Z. AN	46			16MmCrS5 (XM)							
	P2. 5. Z. HT	02. 2			1NEXA280 (XM) 070M20 (XM)							
	po 5 7 UT				LO LONGO VANO							
	P2, 5, Z, HT					SAR	<b>以重编处力</b>	(局)				
	P2, 5, Z, HT P2, 5, Z, HT P2, 5, Z, HT	02. 2			HARDOX 500 (SS WELDOX 700 (SS							

SO	MC	CMC	国家欧洲	德国	英国		瑞典	類	法国	意大利	西班牙	日本
			标准	Tva.	l ma	200.0	les l	liverie remark	lance a	Lowe	Live	l u e
М	奥氏体不锈钢		DINEN	Wnr.	BS	EN	SS	AISI/SAE/ASTM	AFNOR	UNI	UNE	JIS
***	M1. O. Z. AQ	AS 11/15 11	X3CrNiMo13-4	1, 4313	425C11		2385	CA6-NM	24CND13, 4M	(G)X6CrNi304		SCS5
	ML. V. E. AV	05.11/10:41	V2013/18019_4	1, 1010	420011		2300	CAO-DIII	Z38C13M	(G) AOCENTOO		O(VSO)
	M1. O. Z. AQ/M1. O. C. UT	05, 11/15, 11	X53CrMnNiN21-9	1.4871	349854	-	-	EVS	252CMN21, 09	X53CrMnNiN21_9	-	SUH35, SUH36
	M1, O. Z. AQ/M1. O. C. UT	05. 21/15. 21	X2CrNiN18-10	1. 4311	304562	-	2371	304LN	Z2CN18. 10	-	-	SUS304LN
	M1, O. Z. AQ/M1, O. C. UT	05, 21/15, 21	X2CrNiMoN17-13-3	1. 4429	-		2375	316LN	Z2CND17. 13	-	-	SUS316LN
	M1, O. Z. AQ/M1, O. C. UT	05.21/15.21	X2CrNiMo17-12-2	1. 4404	316S13	-	2348	316L	Z2CND17-12	X2CrNiMo1712	-	0
	M1, O. Z. AQ/M1, O. C. UT	05, 21/15, 21	X2CrNiMo18-14-3	1. 4435	316813	-	2353	316L	Z2CND17. 12	X2CrNiMo17 12	-	SCS16, SUS31
	M1, O. Z. AQ/M1, O. C. UT	05.21/15.21	X3CrNiMo17-3-3	1. 4436	316833	Ξ.	2343, 2347	316	Z6CND18-12-03	X8CrNiMo1713		-
	M1. O. Z. AQ/M1. O. C. UT	05, 21/15, 21	X2CrNiMo18-15-4	1. 4438	317512		2367	317L	Z2CND19. 15	X2CrNiMo18 16	-	SUS317L
	M1. O. Z. AQ/M1. O. C. UT	05. 21/15. 21	X6CrNiNb18-10	1. 4550	347517	58F	2338	347	Z6CNNb18, 10	X6CrNiNb18 11	F. 3552 F. 3524	SUS347
	M1. O. Z. AQ/M1. O. C. UT	05. 21/15. 21	X6CrNiMoTi17-12-2	1.4571	320S17	58J	2350	316Ti	Z6NDT17.12	X6CrNiMoTi17 12	F. 3535	-
	M1. O. Z. AQ/M1. O. C. UT	05, 21/15, 21	X10CrNiMoNb 18-12	1.4583		-1	- 1	318	Z6CNDNb17 13B	X6CrNiMoNb17 13	-1	-
	M1. O. Z. AQ/M1. O. C. UT	05, 21/15, 21	X15CrNiSi20-12	1.4828	309824		-	309	Z15CNS20, 12	-	P	SUH309
	M1, O. Z. AQ/M1, O. C. UT	05, 21/15, 21	X2CrNiMoN17-11-2	1.4406	301821	58C	2370	308	Z1NCDU25, 20	10	F. 8414	SCS17
	M1, O, Z. AQ	05. 21/15. 21	X1CrNiMoCuN20-18-7	1. 4547	-	¥.,	2378	S31254	Z1CNDU20-18-06AZ	-		-
	M1, O. Z. AQ/M1, O. C. UT	05. 21/15. 21	X9CrNi18-8	L. 4310	-	-	2331	301	Z12CN17.07	X12CrNi17 07	F. 3517	SUS301
	M1. O. Z. PH	05, 22/15, 22	X7CrNiAL17-7	1. 4568 1. 4504	3168111		-	17-7Pf(	Z8CNA17-07	X2CrNiMo1712	-	-
	M1, O. Z. AQ/M1. O. C. UT	05. 21/15. 21	X2CrNi19-11	1. 4306	304S11 304S12		2352	3041	Z2CN18-10	X2CrNi18 11		-
	M1. 1. Z. AQ	05, 21/15, 21	-	e	304S31	58E	2332, 2333	304	Z6CN18. 09	X5CrN:18 10	F. 3504 F. 3541	SUS304
	M1. 1. Z. AQ	05, 21/15, 21	X5CrNi18-10	1.4301	304S15	58E	2332	304	Z6CN18. 09	X5CrNi18 10	F. 3551	SUS304
	M1. 1. Z. AQ	05, 21/15, 21	X5CrNiMo17-2-2	1.4401	316816	58.]	2347	316	Z6CND17-11	X5CrNiMo17 12	F. 3543	SUS316
	M1. 1. Z. AQ	05, 21/15, 21	X6CrNiTi18-10	1.4541	32IS12	58B	2337	321	Z6CNT18. 10	X6CrNiTil8 11	F, 3553 F, 3523	SUS321
1991	M1. 2. Z. AQ	05. 21/15. 21	X8CrNiS18-9	1. 4305	303521	58M	2346	303	Z10CNF 18, 09	X10CrNiS 18.09	F. 3508	SUS303
绣额	优质奥氏体(Ni>20%	)不锈钢										
K	M2, O, C, AQ	20.11	G-X40NiCrSi36-18	1. 4865	330C11	-	-	-		XG50NiCr39 19	-	SCH15
	M2, O. Z. AQ	05, 21/15, 21	XINiCrMoCu25-20-5	1.4539	-	-	2562	UNS V 0890A	Z2 NCDU25-20	-	E	=
	M2, O. Z. AQ	05, 21/15, 21	X8CrNi25-21	1. 4845	310824	-	2361	310S	Z12CN25 20	X6CrNi25 20	F. 331	SUH310
	M2. O. Z. AQ	20.11	X12NiCrSi36 16	1. 4864			6.0	330	Z12NCS35, 16	F-3313	-	SUH330
	M2. 0. Z. AQ	05. 23/15, 23	XINiCrMoCu31-27-4	1, 4563	15		2584	N08028	Z1NCDU31-27-03	3	-	
	双相 (奥氏体/铁素体	()不锈钢										
	M3. 1. Z. AQ/M3. 1. C. AQ	100 5 44 400 0 4	X2CrNiN23-4	1. 4362	-	-	2376	S31500	-	=	3	==
	M3. 1. Z. AQ/M3. 1. C. AQ	Action from the contract of	X8CrNiMo27-5	- 1	-	-	2324	S32900		-	-	
	M3. 2. Z. AQ/M3. 2. C. AQ	Link the many	X2CrNiN23-4	-	5	-	2327	S32304	Z2CN23-04AZ	=	-	-
	M3. 2. Z. AQ/M3. 2. C. AQ	05, 52/15, 52	T. 7. 2 T. T. T. T. L.	-	-	-	2328			-	P1	-
	M3. 2, Z, AQ/M3. 2, C, AQ	05, 52/15, 52	X2CrNiMoN22-53	i		-	2377	S31803	Z2CND22-05-03	7	5	D)
	M1. 1. Z. AQ M1. 1. Z. AQ M1. 1. Z. AQ M1. 1. Z. AQ M1. 0. Z. AQ M2. 0. Z. AQ M3. 2. Z. AQ M3. 2. Z. AQ	05, 21/15, 21 05, 21/15, 21 05, 21/15, 21 05, 21/15, 21 05, 23/15, 23 05, 23/15, 23 05, 52/15, 52 05, 52/15, 52		1.0045	SANWAC 3 SANWAC 3 SANWAC 3 254 SWO 654 SWO SANWAC S	04 (Sa 04L (S 16 (Sa 16L (S	undvik Stee Jandvik Stee Jandvik Stee Jandvik Stee Jandvik Stee Jandvik Stee Jandvik Stee Jandvik Stee	el) el) el) Steel)				

SO	MC.	CMC	国家欧洲	德国 英国		瑞典		美国	法国	意太利	西班牙	日本
			标准 DINEN	Wnr.	BS	EN	SS	AISI/SAE/ASTN	1 AFNOR	UNI	UNE	JIS
(	可锻铸铁			-								
	K1, 1, C, NS K1, 1, C, NS	07. 1 07. 1 07. 2 07. 2 07. 2	EN-GJMB350-10 EN-GJMB450-6 EN-GJMB550-4 EN-GJMB650-2 EN-GJMB700-2	0. 8135 0. 8145 0. 8155 0. 8165 0. 8170	8 290/6 B 340/12 P 440/7 P 570/4 P 570/3 P570/3 P690/2	010010	0814 0815 0852 0854 0858 0856 0862	32510 40010 50005 70003 A220-70003 A220-80002	MN 32-8 MN 35-10 Mn 450 MP 50-5 MP 60-3 Mn 650-3 Mn 700-2	GMN 45 GMN 65 GMN 65 GMN 70		FCMB310 FCMW330 FCMW370 FCMP490 FCMP540 FCMP590 FCMP690
	灰口铸铁											
	K2. 1, C. UT K2. 2, C. UT K2. 2, C. UT	08. 1 08. 1 08. 1 08. 1 08. 2 08. 2 08. 2 08. 2	EN-GJL-100 EN-GJL-150 EN-GJL-200 EN-GJL-250 EN-JLZ EN-GJL-300 EN-GJL-350 CGL-NIG-20-2	0. 6010 0. 6015 0. 6020 0. 6025 0. 6040 0. 6030 0. 6035	Grade 150 Grade 220 Grade 260 Grade 400 Grade 300 Grade 350		0100 0110 0115 0120 0125 0140 0130 0135	No 20 B No 25 B No 30 B No 35 B No 55 B No 55 B	Et 10 D Ft 15 D Ft 20 D Ft 25 D Ft 40 D Ft 30 D Ft 35 D	G 15 G 20 G 25 G 30 G 35	FG 15 FG 25 FG 30 FG 35	PC100 FC150 FC200 FC250 FC350
	X2.3.C.UT   08.3											
器铁	K3. 1, C, UT K3. 1, C, UT K3. 1, C, UT K3. 1, C, UT K3. 2, C, UT K3. 3, C, UT K3. 5, C, UT	09. 1 09. 1 09. 1 09. 1 09. 2 09. 2	EN-GJS-400-15 EN-GJS-400-18-LT EN-GJS-350-22-LT EN-GJS-800-7 EN-GJS-600-3 EN-GJS-700-2 EN-GJSA-XN3Cr20-2	0. 7040 0. 7043 0. 7033 0. 7050 0. 7060 0. 7070 0. 7660	SNG 420/12 SNG 370/17 - SNG 500/7 SNG 600/3 SNG 700/2 Grade S6	( ) ( ) ( ) ( )	0717-02 0717-12 0717-15 0727 0732-03 0737-01 0776	60~40~18 - - 80~55~06 - 100~70~03 A4302	FCS 400-12 FGS 370-17 - FGS 500-7 FGS 600-3 FGS 700-2 S-NC 202	6S 370-17 - 6S 500 - GS 700-2	PGE 38-17 FGE 50-7 PGS 70-2	FCD400 FCD500 FCD600 FCD700
	螺墨铸铁											
	K4. 1, C. UT K4. 1, C. UT K4. 2, C. UT K4. 2, C. UT K4. 2, C. UT	0.0.0.0.0	EN-GJV-300 EN-GJV-350 EN-GJV-400 EN-GJV-450 EN-GJV-500									
	等温淬火球墨铸铁											
	K5. 1. C. NS K5. 1. C. NS K5. 2. C. NS K5. 2. C. NS K5. 3. C. NS	3. W. C 3. W.	EN-GJS-800-8 EN-GJS-1000-5 EN-GJS-1200-2 EN-GJS-1400-1	100		1000 000	6	ASTM A897 No. 1 ASTM A897 No. 2 ASTM A897 No. 3 ASTM A897 No. 4 ASTM A897 No. 5				-

	MC	CMC	国家欧洲	德国	英国		瑞典	美国	法国	意人利	西班牙	日本
			标准 DINEN	Wnr	BS	EN	SS	AISI/SAE/AS	TM AFNOR	UNI	UNE	JIS
N	铝基合金		1				1					
1	N1. 3, C, AG	30.21	G-A1SI9MGWA	3. 2373	_	-	4251	SC64D	A-S7G	1	_	C4BS
	N1. 3. C. UT	30. 21	G-ALMG5	- 2010	LM5	-	4252	GD-AIS112	A-SU12	-	_	AC4A
REF	N1. 3, C, UT/N1. 3, C, AG	30, 21/30, 22	-	Ξ.	LM25	-	4244	356. 1	=	18		A5052
有色金属	N1. 3. C. LT	-	GD-A1Si12	-	-	-	4247	A413.0	-	-	-	A6061
自田	N1. 3, C, AG	-	CD-AlSi8Cu3		LM24	-	4250	A380, 1	1-	-	-	A7075
-	N1. 3, C, UT	-	G-AlSi12(Cu)		LM20	-	4260	A413. 1	0	1	-	ADC12
	N1. 3, C, UT	-	G-AlSi12	2	LM6		4261	A413. 2				
_	N1. 3. C. AG	-	G-AlSilOMg(Cu)		LM9	-	4253	A360, 2	-	-	-	-
S	镍基合金									-		
	S2. 0. Z. AG	20.22	S-NiCr13A16MoNb	1.W2 4670	sar-46	-	-	5391	NC12AD	-	-	-
	S2: 0. C. UT	20. 24	NiCol5Crl0MoAlTi	LW2 4674	8	10	-	AMS 5397	-	-	7	-
	S2. 0. Z. AG	20. 22	NiFe35Cr14MoTi	LW2. 4662	tuno		7	5660	ZSNCDT42	1	7	7
	S2. 0. Z. AG	20. 22	NiCr19Fe19NbMo	1.W2. 4668	HR8. Hr401, 601			5383	NC19eNB NC20TA	7	T. 1	
	S2. O. Z. AG S2. O. Z. AG	20. 22 20. 22	NiCr20TiAk NiCr19Col1MoTi	2. 4631 2. 4973	HP401, 601		-	AMS 5399	NC19KDT	1	7	Į.
	S2. 0, Z, AG	20, 22	NiCr19Fe19NbMo	LW2, 4668	5		1	AMS 5544	NC20K14			1
	S2. 0, Z. AN	20, 21	1127 134 5131000	2, 4603			-	5390A	NC22FeD	2.1	1	
	S2. 0, Z, AN	20.21	NiCr22Mo9Nb	2, 4856	·		1	5666	NC22FeDNB	1	1	1
	S2. 0, Z, AN	20, 21	NiCr20Ti	2, 4630	HR5. 203-4	-	w	6	NC20T	18.	1	i.
	S2. O. Z. AG	20, 22	NiCu30AL3Ti	2, 4375	3072-76		-	4676	2	-	-	1
	钴合金											
	-	-	CoCr20W15Ni	-	-	-	-	5537C, AMS	KC20WN	-	-	-
	S3. 0, Z. AG	20. 32	CoCr22W14N7	LW2, 4964	-	-	-	5772	KC22WN	1-	-	-
	钛合金											
	\$4. 2. Z. AN	23, 22	TiA15Sn2.5	3.7115.1	TA14/17	-	-	UNS R54520	Т=АБЕ	-	+	-
	54, 2, Z, AN	23, 22	TiAl6V4	3, 7165, 1	TAIA 177/TA90			UNS R56401	UNS R56400 T-A6V			
			TiAl5V5Mo5Cr3	5, 1105, 1	TA10-13/TA28			101-064 CAU	1 Aby			
	S4 3 7 4N						100					
	S4. 3. Z. AN S4. 2. Z. AN	23. 22 23. 22	TiAl4Mo4Sn4Si0.5	3.7185	-	-	-	- 1	1-1	-	-	-
周公田	\$4. 2. Z. AN			3, 7185	-	1.00	-	-	7	-		
同今日	S4. 2. Z. AN		TiAl4Mo4Sn4Si0.5	3.7185			-	-	-	7		-
同 <b>个</b> 回	S4. 2. Z. AN			3, 7185			-	-	Î	-		
<b>厄</b> 〈口	S4. 2. Z. AN	23. 22	TiAl4Mo4Sn4Si0.5	3, 7185	-		-			-		
<b>厄</b> ◇□	S4. 2. Z. AN		TiAl4Mo4Sn4Si0.5 商品名称 铁基合金 Incoloy 800	3, 7185	-					9		-
同人口	\$4. 2. Z. AN \$2. 0. Z. UT/\$2. 0. Z. AN	23. 22	TiAl4Mo4Sn4Si0.5 商品名称 快基合金 Incoloy 800 镍基合金	3, 7185						-		-
<b>同</b> ◇□	\$4. 2. Z. AN \$2. 0. Z. UT/\$2. 0. Z. AN \$2. 0. Z. AN	23. 22	TiAl4Mo4Sn4Si0.5  商品名称 快基合全 Incoloy 800 键基合金 Haynes 600	3,7185								-
<b>厄</b> ◇□	\$4, 2, Z, AN \$2, 0, Z, UT/\$2, 0, Z, AN \$2, 0, Z, AN \$2, 0, Z, AN	23. 22 20. 11 20. 2 20. 2	TiAl4Mo4Sn4Si0.5  商品名称 快基合金 Incoloy 800 報基合金 Haynes 600 Nimocast PD16	3,7185								-
同人口	\$4, 2, Z, AN \$2, 0, Z, UT/\$2, 0, Z, AN \$2, 0, Z, AN \$2, 0, Z, AN \$2, 0, Z, AN	23, 22 20, 11 20, 2 20, 2 20, 2 20, 2	TiAl4Mo4Sn4Si0.5  商品名称  快基合全 Incoloy 800 模基合全 Haynes 600 Nimocast PD16 Nimonic PE 13	3.7185			-					-
<b>屆</b> 4□	\$4, 2, Z, AN  \$2, 0, Z, UT/\$2, 0, Z, AN  \$2, 0, Z, AN  \$2, 0, Z, AN  \$2, 0, Z, AG  \$2, 0, Z, AG	20. 11 20. 2 20. 2 20. 2 20. 2 20. 2 20. 2	TiAl4Mo4Sn4Si0.5  商品名称  铁基合金 Incoloy 800 報基合金 Haynes 600 Nimocast PD16 Nimonic PE 13 Rene 95	3.7185			-					-
<b>厄</b> ◇□	S4. 2. Z. AN  S2. 0. Z. UT/S2, 0, Z. AN  S2. 0. Z. AN  S2. 0. Z. AN  S2. 0. Z. AG  S2. 0. Z. AG  S2. 0. Z. AG	23, 22 20, 11 20, 2 20, 2 20, 2 20, 2 20, 2 20, 2 20, 2	市品名称 快基合金 Incoloy 800 報基合金 Haynes 600 Nimonic PE 13 Rene 95 Hastelloy C	3.7185								-
原 <b>今</b> 口	S4. 2. Z. AN  S2. 0. Z. UT/S2. 0. Z. AN  S2. 0. Z. AN  S2. 0. Z. AN  S2. 0. Z. AG  S2. 0. Z. AG  S2. 0. Z. AN  S2. 0. Z. AN	23. 22 20. 11 20. 2 20. 2 20. 2 20. 2 20. 2 20. 2 20. 2 20. 2 20. 2	TiAl4Mo4Sn4Si0.5  商品名称 快基合全 Incoloy 800 镍基合金 Haynes 600 Nimocast PD16 Nimonic PE 13 Rene 95 Ilastelloy C Incoloy 825	3.7185						1		
<b>厄</b> ◆□	S4. 2. Z. AN  S2. 0. Z. UT/S2, 0. Z. AN  S2. 0. Z. AN  S2. 0. Z. AN  S2. 0. Z. AG  S2. 0. Z. AG  S2. 0. Z. AN	23, 22 20, 11 20, 2 20, 2 20, 2 20, 2 20, 2 20, 2 20, 2 20, 21 20, 21 20, 21	TiAl4Mo4Sn4Si0.5  商品名称 快基合全 Incoloy 800 镍基合金 Haynes 600 Nimocast PD16 Nimonic PE 13 Rene 95 Instelloy C Incoloy 825 Inconel 600	3, 7185						1		
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