

Catalogue

STANDARD GEAR HOBS 标准齿轮滚刀



Single thread, right hand or left hand

SIZE

Module	Outside Dia.	Overall Length	Hole Dia.
1	50	32	22
1.25			
1.5		40	
1.75	63	50	27
2			
2.25			
2.5	71	55	32
2.75		63	
3			
3.25		80	
3.5			
3.75			
4	90	80	40
4.5		90	
5			
5.5	112	112	50
6			
6.5			
7	118	118	40
8		125	
9	125	132	50
10	140	150	
	150	170	

NOTE: 1. module 11 – 14 can also be ordered.

2. Hobs With inch hole of 7/8,1,1 1/16,1 1/4,1 1/2,1 3/4 and 2 in can be made.

3. Gear hobs of JIS, BS, DIN and ANSI standards can be ordered too.

4. Accuracy: ClassAA, ClassA, ClassB

Catalogue

FINE PITCH GEAR HOBS 小模数齿轮滚刀



P.A.20° , single thread , right hand

SIZE

Module	Outside Dia.	Overall Length	Hole Dia.
0.10	25	10	8
0.12			
0.15			
0.20			
0.25			
0.30		15	
0.35			
0.40			
0.50			
0.60			
0.70			
0.80			
0.30	32	15	
0.35			
0.40			
0.50			
0.60			
0.70		20	
0.80			
0.90			
1.00			

NOTE: 1. Hole dia. Of 10mm can be selected for Fine Pitch Gear Hobs with 32mm Outside .

2. Fine Pitch Topping Hobs can be ordered by customers.

3. Accuracy: ClassAA, ClassA, ClassB

Catalogue

GEAR HOBS WITH DIAMETRAL PITCH 径节齿轮滚刀



P.A.20° , single thread ,right hand

SIZE

D.P	Outside Dia.	Overall Length	Hole Dia.
3	125	115	32
3.5	115	105	
4	110	100	
4.5	100	95	
5	90	90	27
6	85	80	
7	80	70	
8	75	65	
9	65	55	22
10			
11	60	50	
12	55		
14	55	45	
16			
18			
20	50	40	
22			
24			

NOTE: 1. Hobs with inch holes can be made

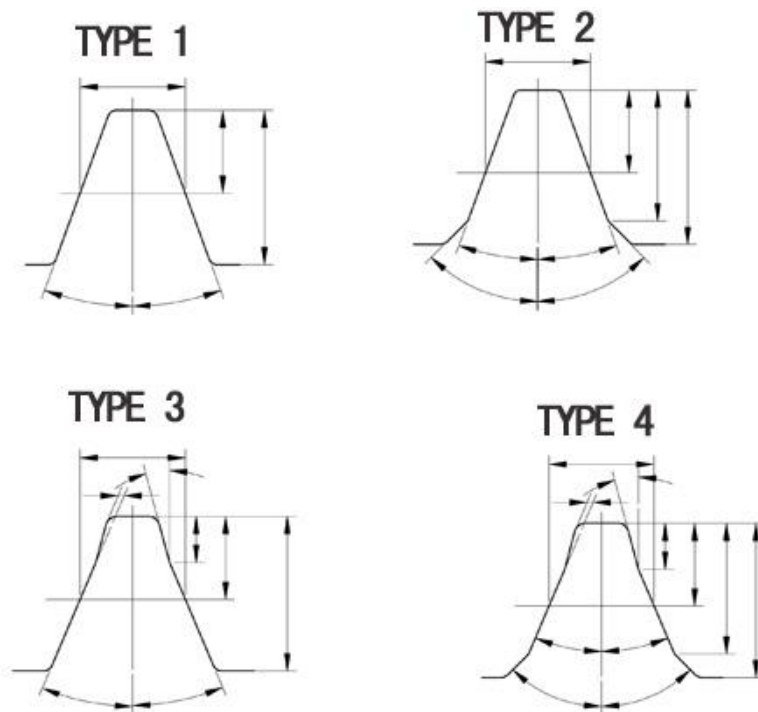
2. Accuracy: ClassAA, ClassA

Catalogue

SEMI-TOPPING GEAR HOBS 半切顶齿轮滚刀



TOOTH PROFILE



NOTE: 1. This kind of hobs can cut out gear tooth profile and tip relief simultaneously

2. When ordering, please offer data as follows:

- 1) Module or diametral pitch m or D.P.
- 2) Pressure angle P.A.
- 3) Teeth of gear manufactured Z , in usual condition $Z=35$
- 4) Chamfer amount of gear, usually $C=0.08m$ along circle
 $f=0.10m$ along radius

3. Special requirement can be taken to design.

Catalogue

PRE-GRIND GEAR HOBS 留磨齿轮滚刀



P.A.20° , single or double thread , right hand

SIZE

Module	Outside Dia.	Overall Length	Hole Dia.	
1	50	40	22	
1.25				
1.5	55	45		
1.75				
2	55	50		
2.25	60			
2.5	65	55		
2.75				
3	70	60		27
3.25	75			
3.5	75			
3.75	80			
4	80			
4.5	85			
5	90			
5.5	100	95	32	
6	105			

NOTE: 1. Hobs specified in above table are supplied with a grinding allowance of 0.25mm

2. Accuracy: ClassB

Catalogue

PRE-SHAVING GEAR HOBS 剃前齿轮滚刀



P.A.20° , single thread ,right hand

SIZE

Module	Outside Dia.	Overall Length	Hole Dia.
1.25	50	40	22
1.5	55	45	
1.75			
2	55	50	
2.25	60		
2.5	65	55	
2.75			
3	70	60	27
3.25	75	65	
3.5	75	70	
3.75	80	70	
4	80	75	
4.25	85	80	
4.5	85	85	
5	90	90	
5.5	100	95	32
6	105	100	
6.5	110	100	
7	115	105	
8	125	115	

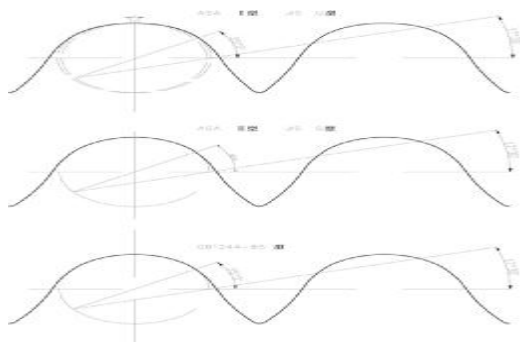
NOTE: 1. The teeth form of hobs from m1.25 to m1.75 is referred to the profile with a small pressure angle(19°) left for shaving .

Catalogue

ROLLER CHAIN SPROCKET HOBS 链轮滚刀



TOOTH PROFILE



SIZE

Specification (Pitch × Roller Dia.)	Outside Dia.	Overall Length	Hole Dia.
9.525 × 6.35	70	60	27
12.7 × 8.51	80	70	
15.875 × 10.16	90	85	32
19.05 × 11.91	100	100	
25.4 × 15.875	115	115	
31.75 × 19.05	140	140	40
38.1 × 22.23	140	150	
44.45 × 25.4	150	180	
50.8 × 28.58	160	200	
63.5 × 39.68	180	240	

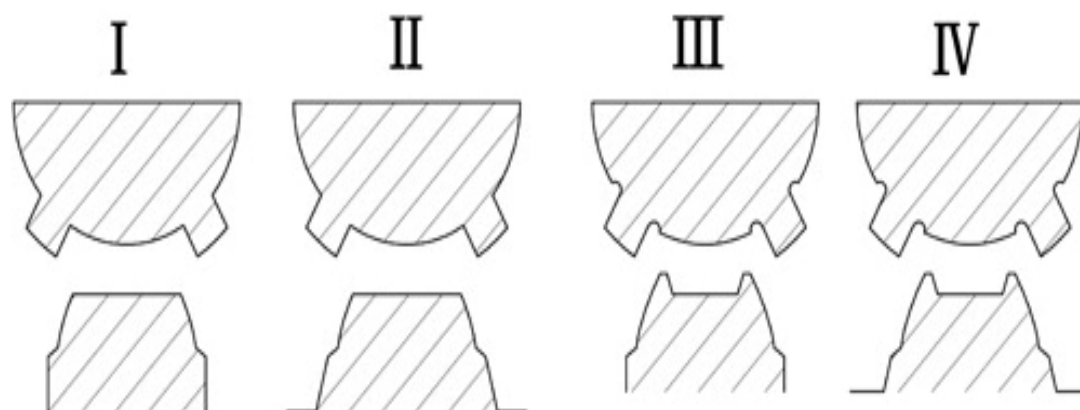
NOTE: Structure dimensions of GB1244-76 roller chain sprocket hobs are showing in the table.

Catalogue

PARALLEL SIDE SPLINE HOBS 矩形花键滚刀



THERE ARE FOUR TYPIES OF TOOTH PROFILE



Type I — applied to spline shaft centered according to major dia.

Type II — applied to lugged spline shaft centered according to major dia.

Type III — applied to spline shaft centered according to major dia. and with bottom dia. grinding allowance.

Type IV — applied to lugged spline shaft centered according to major dia. and with bottom dia. grinding allowance.

NOTE: 1. Accuracy: ClassA, ClassB. ClassA is used for finishing; ClassB is used for hobs with a grinding allowance of 0.30 to 0.4mm

2. When ordering, please offer data as parameter

- a) Key amount of spline shaft
- b) Outside dia. and tolerance of spline shaft
- c) Bottom dia. and tolerance of spline shaft
- d) Key width and tolerance of spline shaft
- e) Outside dia. of lugged spline if with lugs

Catalogue

INVOLUTE SPLINE HOBS 渐开线花键滚刀



P.A.30°

SIZE

Module	Outside Dia.	Overall Length	Hole Dia.
0.5	45	32	22
0.75			
1	50	35	
1.25		40	
1.5		50	
1.75	63	63	32
2			
2.5			
3			
3.5	71	71	
4			
5	80	80	
6	90	90	
8	100	100	
10	112	112	
	125	125	

NOTE: 1. Involute Serration Hobs with 45° pressure angle can be ordered .

2. Accuracy: ClassA, ClassB

Catalogue

GEAR HOBS 齿轮滚刀



P.A.20° ,single thread ,right hand

SIZE

Module	Outside Dia.	Overall Length	Hole Dia.
1	50	40	22
1.25			
1.5	55	45	
1.75		50	
2			
2.25	60	55	
2.5	65		
2.75			
3	70		60
3.25	75	65	
3.5		80	70
3.75	85		75
4		90	80
4.25	100		85
4.5		105	90
5	110		95
5.5		115	100
6	125		105
6.5		130	
7	140		110
7.5		150	115
8	160		120
8.5		170	125
9	180		130
9.5		190	135
10	200		140

NOTE: 1. Accuracy: ClassAA, ClassA and ClassB

2. Hobs with inch holes can be made.

Catalogue

TIMING PULLEY HOBS 同步带轮滚刀



Timing Belt Profile	Belt Type	Common Arrange
S. T. D	MXL(2.032)	10-23T 24-R
	XL(5.08)	10-R
	L(9.525)	10-R
	H(12.7)	14-19T 20-R
	XH(22.225)	18-R
	XXH(31.75)	18-R
H. T. D	2M	
	3M	9-15T 16-25T 26-80T 81-R
	5M	11-16T 17-31T 32-79T 80-200T
	8M	18-27T 28-40T 41-89T 90-200T
	14M	28-40T 41-89T 90-R
	20M	
S. T. S	2M	
	3M	16-25T 26-80T
	5M	20-24T 25-40T
	8M	20-24T 25-31T 32-48T 49-120T
	14M	28-36T 37-51T 52-100T 101-200T
	20M	
A. T(D. T)	(A) T5	10-14T 15-20T 21-R
	T10	12-15T 16-20T 21-R
	T20	15-20T 21-R
	(D) T5	13-17T 18-25T 26-40T 41-R
	T10	12-15T 21-R
	T20	15-20T 21-R
G. T	2GT	16-25T 26-80T
	3GT	25-26T 26-50T
	5GT	17-31T 32-79T
	8GT	18-28T 29-89T