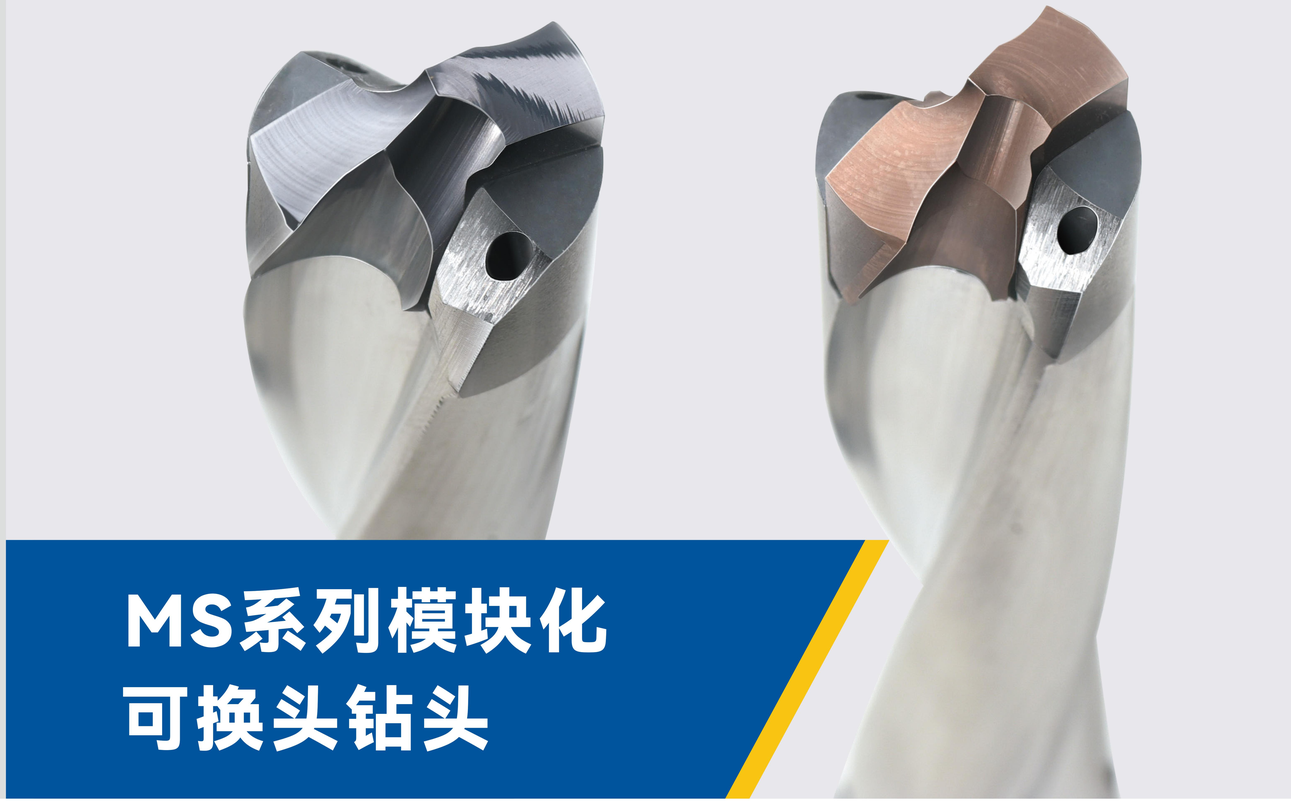
ROUND TOOLS ONE-STOP

GENERAL SERVICE PROVIDER



MS系列模块化可换头钻头

一站式服务　非标定制　百余年技术加持

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PRODUCT INTRODUCTION

产品系列简介

5大亮点，赋能产品质量

MS和MD系列模块化可换头钻头是用朴加入山特维克可乐满后自主研发的首款系列产品。产品针对特殊工况场景，进行了针对性开发。

- 刀杆悬伸更长，可以满足更深的孔加工要求
- 钢刀杆配合硬质合金刀头的设计带来较低的刀具成本
- 稳固的刀片槽设计带来钻削应用中更高的准确性、安全性和稳定性
- 专用的刀片槽型和材质组合确保良好的切屑控制和出色的孔质量
- 钻尖设计可以保证长悬伸工况下依然保证孔位置度的要求

PRODUCT CODE

编号规则

MS模块化可换头钻头_刀体

MS	1600/1649	R3	B	20
1	2	3	4	5

1 MS系列模块式皇冠钻
2 钻尖直径范围(mm)-D：16-16.49
3 有效加工深度(mm)-L2：R3=3*Dc
4 刀柄接口形式 DIN6535 HB 圆柱削平柄
5 刀杆柄部尺寸(mm)-Ds

MS模块化可换头钻头_刀片

MS	100	P	·	1600	-	A40	H
1	2	3		4		5	6

1 MS系列模块化可换头钻头
2 产品系列
3 可加工材料ISO P
4 钻头直径(mm)-D
5 钻头材质等级
6 涂层DH

MD模块化可换头钻头_刀片

MD	A	2	10	P	·	1250	-	A46	H
1	2	3	4	5		6		7	8

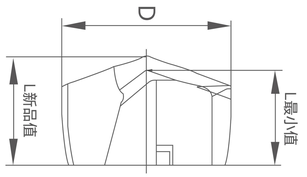
1 MD系列模块化可换头钻头
2 分别对应A、R、S刃口
3 2刃
4 10-单棱边，20-双棱边
5 可加工材料ISO P
6 钻头直径(mm)-D
7 钻头材质等级
8 涂层DH

SELECT GUIDE

选择指南

										标准范围									
			● 首选																
			○ 备选							直径范围		钻削深度	内冷	涂层		引导孔	盲孔	通孔	叠板	出口斜面	入口斜面	交叉孔
			P	M	K	N	S	H															
MODULAR EXCHANGEABLE TIP DRILL 模块化可换头钻头		系列							孔公差	D (mm)		L/D (mm)	内冷	DH	DP							
										Min	Max											
通用钻削系列（● 适合，○ 一般）																						
		刀片	MS100P	●	○	●			○	IT9-IT11	12.50	52.00			●		○	●	●	○		○	
			MS366P	●	○	●			○						●		○	●	●	○		○	
			MS366M		●			○								●	○	●	●	○		○	
			MDR210P	●	○	●			○						●		○	●	●	○		○	
			MDS210P	●	○	●			○						●		○	●	●	○		○	
			MDA210K	○		●									●		○	●	●	○		○	
			MDR210M		●			○								●	○	●	●	○		○	
			MDR210S		○			●								●	○	●	●	○		○	
			MDA220N				●										○	●	●	○		○	
		刀体								12.50	52.00	1.5×D	●										
												3×D	●										
												5×D	●										
												7×D	●										
												8.5×D	●										
												10×D	●										
												12×D	●										

MS模块式可换头钻头_刀片



m7刃径公差范围对照表

刃径范围	m7公差范围
12.5-18	+0.007/+0.025
18.01-30	+0.008/+0.029
30.01-50	+0.009/+0.034
50.01-52	+0.011/+0.041

D (mm)		L (mm)		刀座尺寸
MIN	MAX	新品值	最小值	
12.50	13.50	9.6	8.4	C
13.51	14.50	10.1	8.8	B
14.51	15.99	10.6	9.3	A
16.00	18.00	11.6	10.2	1
18.01	19.99	12.6	11.1	2
20.00	22.00	13.6	12.0	3
22.01	24.00	14.6	13.0	4
24.01	26.00	15.6	13.8	5
26.01	28.00	16.6	14.7	6
28.01	30.00	17.6	15.6	7
30.01	32.00	18.6	16.5	8
32.01	36.00	20.6	18.3	9
36.01	40.00	22.6	20.1	10
40.01	45.00	26.2	23.2	11
45.01	52.00	26.5	23.5	12

单刃带 140°

MS100P系列□□□□-D直径

MS100P.□□□□-A46H

P ● M ○ K ●　N　S　H ○

D (mm): 12.50-52.00　公差: +0.005/-0.015

单刃带 140°

MS366P系列□□□□-D直径

MS366P.□□□□-A46H

P ● M ○ K ●　N　S　H ○

D (mm): 12.50-52.00　公差: +0.005/-0.015

单刃带 140°

MS366M系列□□□□-D直径

MS366M.□□□□-A46P

P　M ● K　N　S ○ H

D (mm): 12.50-52.00　公差: +0.005/-0.015

订货示例：D直径为19.3的MS366P刀片　订货号：MS366P.1930-A46H

单刃带 135°

MDR210P系列□□□□-D直径

MDR210P.□□□□-A46H

P ● M ○ K ●　N　S　H ○

D (mm): 12.50-52.00　公差: m7

单刃带 135°

MDS210P系列□□□□-D直径

MDS210P.□□□□-A46H

P ● M ○ K ●　N　S　H ○

D (mm): 12.50-52.00　公差: m7

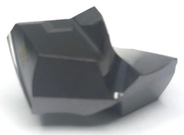
单刃带 135°

MDA210K系列□□□□-D直径

MDA210K.□□□□-A46H

P ○ M　K ●　N　S　H

D (mm): 12.50-52.00　公差: m7



单刃带 135°

MDR120M系列□□□□-D直径

MDR210M.□□□□-A46P

P　M ● K　N　S ○ H

D (mm): 12.50-52.00　公差: m7

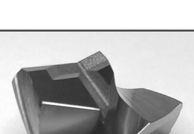
单刃带 135°

MDR210S系列□□□□-D直径

MDR210S.□□□□-A46P

P　M ○ K　N　S ● H

D (mm): 12.50-52.00　公差: m7



双刃带 135°

MDA220N系列□□□□-D直径

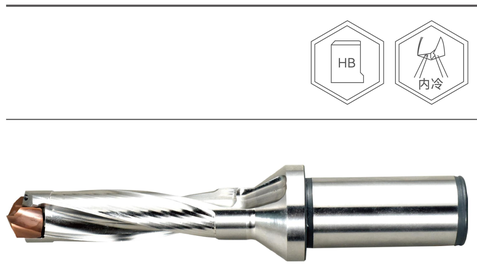
MDA220N.□□□□-A46

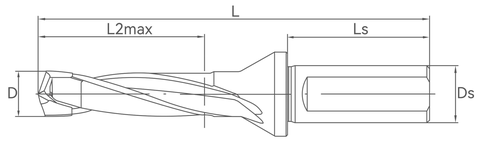
P　M　K　N ● S　H

D (mm): 12.50-52.00　公差: m7

订货示例：D直径为19.3MM的MS366S刀片　订货号：MS366S.1930-A46P

1.5×D刀体





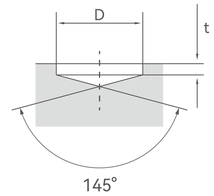
1.5×D	D (mm)	L (mm)	L2 (mm)	Ls (mm)	Ds (mm)	刀座尺寸	中心锁紧螺钉	扳手
MS1250/1350-R1.5-B20	12.50-13.50	108.5	21	50	20	C	M3.0/M2.5*14	T6*156
MS1351/1450-R1.5-B20	13.51-14.50	112.5	22	50	20	B	M3.0/M2.5*14	T6*156
MS1451/1599-R1.5-B20	14.51-15.99	114.5	24	50	20	A	M3.0/M2.5*14	T6*156
MS1600/1800-R1.5-B20	16.00-18.00	119.0	27	50	20	1	M3.5/M2.5*16	1.5*185
MS1801/1999-R1.5-B20	18.01-19.99	132.0	30	56	25	2	M4.0/M3.0*19	2.0*210
MS2000/2200-R1.5-B25	20.00-22.00	138.0	33	56	25	3	M4.0/M3.0*19	2.0*210
MS2201/2400-R1.5-B25	22.01-24.00	144.0	36	56	25	4	M4.0/M3.0*19	2.0*210
MS2401/2600-R1.5-B32	24.01-26.00	160.0	39	60	32	5	M5.0/M4.0*23	2.5*240
MS2601/2800-R1.5-B32	26.01-28.00	165.0	42	60	32	6	M5.0/M4.0*23	2.5*240
MS2801/3000-R1.5-B32	28.01-30.00	171.0	45	60	32	7	M6.0/M5.0*28	3.0*265
MS3001/3200-R1.5-B32	30.01-32.00	175.0	48	60	32	8	M6.0/M5.0*28	3.0*265
MS3201/3600-R1.5-B40	32.01-36.00	190.0	54	70	40	9	M6.0/M6.0*32	3.0*265
MS3601/4000-R1.5-B40	36.01-40.00	196.0	60	70	40	10	M6.0/M6.0*32	3.0*265
MS4001/4500-R1.5-B40	40.01-45.00	213.0	68	70	40	11	M6.0/M6.0*32	3.0*265
MS4501/5200-R1.5-B40	45.01-52.00	220.0	78	70	50	12	M6.0/M6.0*32	3.0*265

引导孔钻尖 应用数据

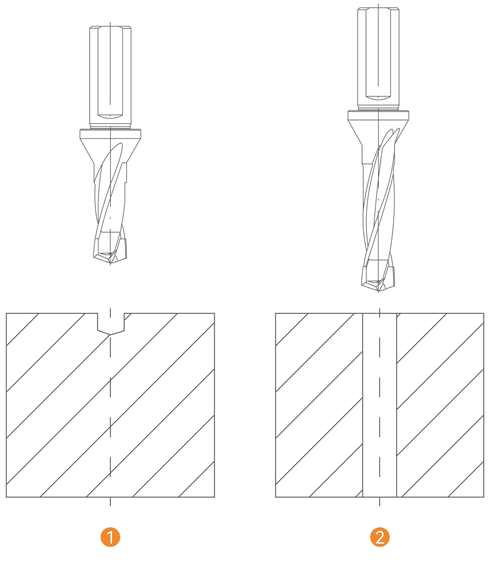
工件表面不平整或者7D以上建议预加工引导孔

引孔建议

钻头直径 (mm)	引导孔深度 (t)
12.50-52.00	0.5×D



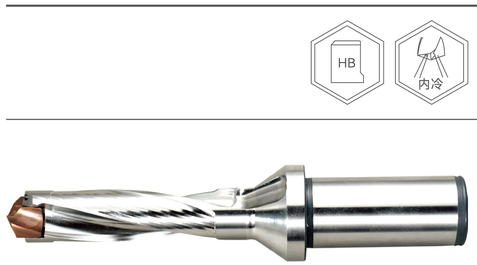
引导钻加工策略

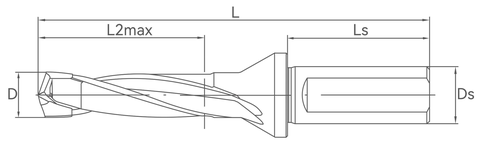


加工特点

- 用1.5×D刀杆钻引导孔
- 再用7×D以上刀杆钻通
- 注意与引导刀片顶角匹配（145°）

3×D刀体

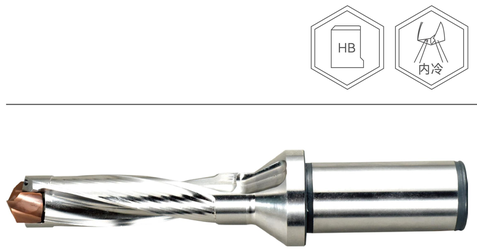


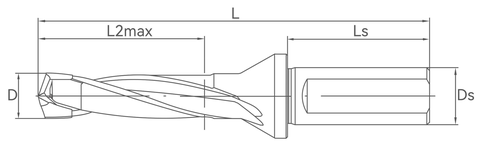


3×D	D (mm)	L (mm)	L2 (mm)	Ls (mm)	Ds (mm)	刀座尺寸	中心锁紧螺钉	扳手
MS1250/1300-R3-B20	12.50-13.00	127.5	39	50	20	C	M3.0/M2.5*14	T6*156
MS1301/1350-R3-B20	13.01-13.50	130	41	50	20	C	M3.0/M2.5*14	T6*156
MS1351/1400-R3-B20	13.51-14.00	132.5	42	50	20	B	M3.0/M2.5*14	T6*156
MS1401/1450-R3-B20	14.01-14.50	135	44	50	20	B	M3.0/M2.5*14	T6*156
MS1451/1499-R3-B20	14.51-14.99	136.5	45	50	20	A	M3.0/M2.5*14	T6*156
MS1500/1549-R3-B20	15.00-15.49	139	47	50	20	A	M3.0/M2.5*14	T6*156
MS1550/1599-R3-B20	15.50-15.99	141.5	48	50	20	A	M3.0/M2.5*14	T6*156
MS1600/1649-R3-B20	16.00-16.49	143	50	50	20	1	M3.5/M2.5*16	1.5*185
MS1650/1699-R3-B20	16.50-16.99	145.5	51	50	20	1	M3.5/M2.5*16	1.5*185
MS1700/1749-R3-B20	17.00-17.49	148	53	50	20	1	M3.5/M2.5*16	1.5*185
MS1750/1800-R3-B20	17.50-18.00	150	54	50	20	1	M3.5/M2.5*16	1.5*185
MS1801/1849-R3-B20	18.01-18.49	159	56	56	25	2	M4.0/M3.0*19	2.0*210
MS1850/1899-R3-B25	18.50-18.99	161.5	57	56	25	2	M4.0/M3.0*19	2.0*210
MS1900/1949-R3-B25	19.00-19.49	164	59	56	25	2	M4.0/M3.0*19	2.0*210
MS1950/1999-R3-B25	19.50-19.99	165.5	60	56	25	2	M4.0/M3.0*19	2.0*210
MS2000/2049-R3-B25	20.00-20.49	168	62	56	25	3	M4.0/M3.0*19	2.0*210
MS2050/2099-R3-B25	20.50-20.99	170.5	63	56	25	3	M4.0/M3.0*19	2.0*210
MS2100/2149-R3-B25	21.00-21.49	172	65	56	25	3	M4.0/M3.0*19	2.0*210
MS2150/2200-R3-B25	21.50-22.00	174.5	66	56	25	3	M4.0/M3.0*19	2.0*210
MS2201/2249-R3-B25	22.01-22.49	177	68	56	25	4	M4.0/M3.0*19	2.0*210
MS2250/2299-R3-B25	22.50-22.99	179	69	56	25	4	M4.0/M3.0*19	2.0*210
MS2300/2349-R3-B25	23.00-23.49	181	71	56	25	4	M4.0/M3.0*19	2.0*210
MS2350/2400-R3-B25	23.50-24.00	183.5	72	56	25	4	M4.0/M3.0*19	2.0*210
MS2401/2449-R3-B32	24.01-24.49	196	74	60	32	5	M5.0/M4.0*23	2.5*240
MS2450/2499-R3-B32	24.50-24.99	197.5	75	60	32	5	M5.0/M4.0*23	2.5*240
MS2500/2549-R3-B32	25.00-25.49	200	77	60	32	5	M5.0/M4.0*23	2.5*240
MS2550/2600-R3-B32	25.50-26.00	202.5	78	60	32	5	M5.0/M4.0*23	2.5*240
MS2601/2649-R3-B32	26.01-26.49	204	80	60	32	6	M5.0/M4.0*23	2.5*240

3×D	D (mm)	L (mm)	L2 (mm)	Ls (mm)	Ds (mm)	刀座尺寸	中心锁紧螺钉	扳手
MS2650/2699-R3-B32	26.50-26.99	206.5	81	60	32	6	M5.0/M4.0*23	2.5*240
MS2700/2749-R3-B32	27.00-27.49	209	83	60	32	6	M5.0/M4.0*23	2.5*240
MS2750/2800-R3-B32	27.50-28.00	211	84	60	32	6	M5.0/M4.0*23	2.5*240
MS2801/2849-R3-B32	28.01-28.49	213	86	60	32	7	M6.0/M5.0*28	3.0*265
MS2850/2899-R3-B32	28.50-28.99	215.5	87	60	32	7	M6.0/M5.0*28	3.0*265
MS2900/2949-R3-B32	29.00-29.49	218	89	60	32	7	M6.0/M5.0*28	3.0*265
MS2950/3000-R3-B32	29.50-30.00	219.5	90	60	32	7	M6.0/M5.0*28	3.0*265
MS3001/3049-R3-B32	30.01-30.49	220	92	60	32	8	M6.0/M5.0*28	3.0*265
MS3050/3099-R3-B32	30.50-30.99	221.5	93	60	32	8	M6.0/M5.0*28	3.0*265
MS3100/3149-R3-B32	31.00-31.49	223	95	60	32	8	M6.0/M5.0*28	3.0*265
MS3150/3200-R3-B32	31.50-32.00	224.5	96	60	32	8	M6.0/M5.0*28	3.0*265
MS3201/3299-R3-B40	32.01-32.99	238	99	70	40	9	M6.0/M6.0*32	3.0*265
MS3300/3399-R3-B40	33.00-33.99	241	102	70	40	9	M6.0/M6.0*32	3.0*265
MS3400/3499-R3-B40	34.00-34.99	244	105	70	40	9	M6.0/M6.0*32	3.0*265
MS3500/3600-R3-B40	35.00-36.00	247	108	70	40	9	M6.0/M6.0*32	3.0*265
MS3601/3699-R3-B40	36.01-36.99	250	111	70	40	10	M6.0/M6.0*32	3.0*265
MS3700/3799-R3-B40	37.00-37.99	253	114	70	40	10	M6.0/M6.0*32	3.0*265
MS3800/3899-R3-B40	38.00-38.99	256	117	70	40	10	M6.0/M6.0*32	3.0*265
MS3900/4000-R3-B40	39.00-40.00	259	120	70	40	10	M6.0/M6.0*32	3.0*265
MS4001/4099-R3-B40	40.01-40.99	273	123	70	40	11	M6.0/M6.0*32	3.0*330
MS4100/4199-R3-B40	41.00-41.99	276	126	70	40	11	M6.0/M6.0*32	3.0*330
MS4200/4299-R3-B40	42.00-42.99	279	129	70	40	11	M6.0/M6.0*32	3.0*330
MS4300/4399-R3-B40	43.00-43.99	282	132	70	40	11	M6.0/M6.0*32	3.0*330
MS4400/4500-R3-B40	44.00-45.00	285	135	70	40	11	M6.0/M6.0*32	3.0*330
MS4501/4599-R3-B50	45.01-45.99	288	138	70	50	12	M6.0/M6.0*32	3.0*330
MS4600/4699-R3-B50	46.00-46.99	291	141	70	50	12	M6.0/M6.0*32	3.0*330
MS4700/4799-R3-B50	47.00-47.99	294	144	70	50	12	M6.0/M6.0*32	3.0*330
MS4800/4899-R3-B50	48.00-48.99	297	147	70	50	12	M6.0/M6.0*32	3.0*330
MS4900/4999-R3-B50	49.00-49.99	300	150	70	50	12	M6.0/M6.0*32	3.0*330
MS5000/5099-R3-B50	50.00-50.99	303	153	70	50	12	M6.0/M6.0*32	3.0*330
MS5100/5200-R3-B50	51.00-52.00	306	156	70	50	12	M6.0/M6.0*32	3.0*330

5×D刀体

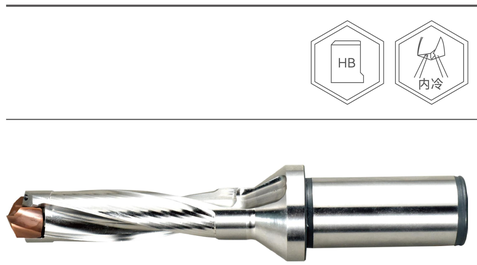


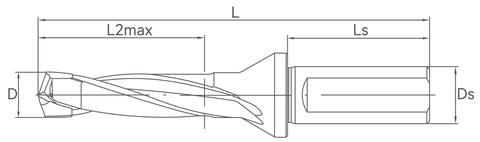


5×D	D (mm)	L (mm)	L2 (mm)	Ls (mm)	Ds (mm)	刀座尺寸	中心锁紧螺钉	扳手
MS1250/1300-R5-B20	12.50-13.00	152.5	65	50	20	C	M3.0/M2.5*14	T6*156
MS1301/1350-R5-B20	13.01-13.50	156	68	50	20	C	M3.0/M2.5*14	T6*156
MS1351/1400-R5-B20	13.51-14.00	159.5	70	50	20	B	M3.0/M2.5*14	T6*188
MS1401/1450-R5-B20	14.01-14.50	163	73	50	20	B	M3.0/M2.5*14	T6*188
MS1451/1499-R5-B20	14.51-14.99	165.5	75	50	20	A	M3.0/M2.5*14	T6*188
MS1500/1549-R5-B20	15.00-15.49	169	78	50	20	A	M3.0/M2.5*14	T6*188
MS1550/1599-R5-B20	15.50-15.99	172.5	80	50	20	A	M3.0/M2.5*14	T6*188
MS1600/1649-R5-B20	16.00-16.49	175	83	50	20	1	M3.5/M2.5*16	1.5*185
MS1650/1699-R5-B20	16.50-16.99	178.5	85	50	20	1	M3.5/M2.5*16	1.5*185
MS1700/1749-R5-B20	17.00-17.49	182	88	50	20	1	M3.5/M2.5*16	1.5*185
MS1750/1800-R5-B20	17.50-18.00	185	90	50	20	1	M3.5/M2.5*16	1.5*185
MS1801/1849-R5-B20	18.01-18.49	195	93	56	25	2	M4.0/M3.0*19	2.0*210
MS1850/1899-R5-B25	18.50-18.99	198.5	95	56	25	2	M4.0/M3.0*19	2.0*210
MS1900/1949-R5-B25	19.00-19.49	202	98	56	25	2	M4.0/M3.0*19	2.0*210
MS1950/1999-R5-B25	19.50-19.99	204.5	100	56	25	2	M4.0/M3.0*19	2.0*210
MS2000/2049-R5-B25	20.00-20.49	208	103	56	25	3	M4.0/M3.0*19	2.0*260
MS2050/2099-R5-B25	20.50-20.99	211.5	105	56	25	3	M4.0/M3.0*19	2.0*260
MS2100/2149-R5-B25	21.00-21.49	214	108	56	25	3	M4.0/M3.0*19	2.0*260
MS2150/2200-R5-B25	21.50-22.00	217.5	110	56	25	3	M4.0/M3.0*19	2.0*260
MS2201/2249-R5-B25	22.01-22.49	221	113	56	25	4	M4.0/M3.0*19	2.0*260
MS2250/2299-R5-B25	22.50-22.99	224	115	56	25	4	M4.0/M3.0*19	2.0*260
MS2300/2349-R5-B25	23.00-23.49	227	118	56	25	4	M4.0/M3.0*19	2.0*260
MS2350/2400-R5-B25	23.50-24.00	230.5	120	56	25	4	M4.0/M3.0*19	2.0*260
MS2401/2449-R5-B32	24.01-24.49	244	123	60	32	5	M5.0/M4.0*23	2.5*295
MS2450/2499-R5-B32	24.50-24.99	246.5	125	60	32	5	M5.0/M4.0*23	2.5*295
MS2500/2549-R5-B32	25.00-25.49	250	128	60	32	5	M5.0/M4.0*23	2.5*295
MS2550/2600-R5-B32	25.50-26.00	253.5	130	60	32	5	M5.0/M4.0*23	2.5*295
MS2601/2649-R5-B32	26.01-26.49	256	133	60	32	6	M5.0/M4.0*23	2.5*295

5×D	D (mm)	L (mm)	L2 (mm)	Ls (mm)	Ds (mm)	刀座尺寸	中心锁紧螺钉	扳手
MS2650/2699-R5-B32	26.50-26.99	259.5	135	60	32	6	M5.0/M4.0*23	2.5*295
MS2700/2749-R5-B32	27.00-27.49	263	138	60	32	6	M5.0/M4.0*23	2.5*295
MS2750/2800-R5-B32	27.50-28.00	266	140	60	32	6	M5.0/M4.0*23	2.5*295
MS2801/2849-R5-B32	28.01-28.49	269	143	60	32	7	M6.0/M5.0*28	3.0*330
MS2850/2899-R5-B32	28.50-28.99	272.5	145	60	32	7	M6.0/M5.0*28	3.0*330
MS2900/2949-R5-B32	29.00-29.49	276	148	60	32	7	M6.0/M5.0*28	3.0*330
MS2950/3000-R5-B32	29.50-30.00	278.5	150	60	32	7	M6.0/M5.0*28	3.0*330
MS3001/3049-R5-B32	30.01-30.49	280	153	60	32	8	M6.0/M5.0*28	3.0*330
MS3050/3099-R5-B32	30.50-30.99	282.5	155	60	32	8	M6.0/M5.0*28	3.0*330
MS3100/3149-R5-B32	31.00-31.49	285	158	60	32	8	M6.0/M5.0*28	3.0*330
MS3150/3200-R5-B32	31.50-32.00	287.5	160	60	32	8	M6.0/M5.0*28	3.0*330
MS3201/3299-R5-B40	32.01-32.99	302	165	70	40	9	M6.0/M6.0*32	3.0*330
MS3300/3399-R5-B40	33.00-33.99	307	170	70	40	9	M6.0/M6.0*32	3.0*330
MS3400/3499-R5-B40	34.00-34.99	312	175	70	40	9	M6.0/M6.0*32	3.0*330
MS3500/3600-R5-B40	35.00-36.00	317	180	70	40	9	M6.0/M6.0*32	3.0*330
MS3601/3699-R5-B40	36.01-36.99	322	185	70	40	10	M6.0/M6.0*32	3.0*330
MS3700/3799-R5-B40	37.00-37.99	327	190	70	40	10	M6.0/M6.0*32	3.0*330
MS3800/3899-R5-B40	38.00-38.99	332	195	70	40	10	M6.0/M6.0*32	3.0*330
MS3900/4000-R5-B40	39.00-40.00	337	200	70	40	10	M6.0/M6.0*32	3.0*330
MS4001/4099-R5-B40	40.01-40.99	353	205	70	40	11	M6.0/M6.0*32	3.0*439
MS4100/4199-R5-B40	41.00-41.99	358	210	70	40	11	M6.0/M6.0*32	3.0*439
MS4200/4299-R5-B40	42.00-42.99	363	215	70	40	11	M6.0/M6.0*32	3.0*439
MS4300/4399-R5-B40	43.00-43.99	368	220	70	40	11	M6.0/M6.0*32	3.0*439
MS4400/4500-R5-B40	44.00-45.00	373	225	70	40	11	M6.0/M6.0*32	3.0*439
MS4501/4599-R5-B50	45.01-45.99	378	230	70	50	12	M6.0/M6.0*32	3.0*439
MS4600/4699-R5-B50	46.00-46.99	383	235	70	50	12	M6.0/M6.0*32	3.0*439
MS4700/4799-R5-B50	47.00-47.99	388	240	70	50	12	M6.0/M6.0*32	3.0*439
MS4800/4899-R5-B50	48.00-48.99	393	245	70	50	12	M6.0/M6.0*32	3.0*439
MS4900/4999-R5-B50	49.00-49.99	398	250	70	50	12	M6.0/M6.0*32	3.0*439
MS5000/5099-R5-B50	50.00-50.99	403	255	70	50	12	M6.0/M6.0*32	3.0*439
MS5100/5200-R5-B50	51.00-52.00	408	260	70	50	12	M6.0/M6.0*32	3.0*439

7×D刀体

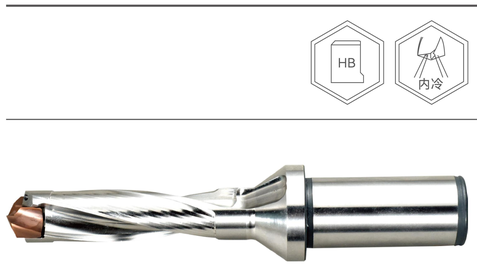


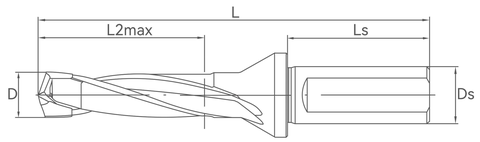


7×D	D (mm)	L (mm)	L2 (mm)	Ls (mm)	Ds (mm)	刀座尺寸	中心锁紧螺钉	扳手
MS1250/1300-R7-B20	12.50-13.00	177.5	91	50	20	C	M3.0/M2.5*14	T6*188
MS1301/1350-R7-B20	13.01-13.50	182	95	50	20	C	M3.0/M2.5*14	T6*188
MS1351/1400-R7-B20	13.51-14.00	186.5	98	50	20	B	M3.0/M2.5*14	T6*230
MS1401/1450-R7-B20	14.01-14.50	191	102	50	20	B	M3.0/M2.5*14	T6*230
MS1451/1499-R7-B20	14.51-14.99	194.5	105	50	20	A	M3.0/M2.5*14	T6*230
MS1500/1549-R7-B20	15.00-15.49	199	109	50	20	A	M3.0/M2.5*14	T6*230
MS1550/1599-R7-B20	15.50-15.99	203.5	112	50	20	A	M3.0/M2.5*14	T6*230
MS1600/1649-R7-B20	16.00-16.49	207	116	50	20	1	M3.5/M2.5*16	1.5*225
MS1650/1699-R7-B20	16.50-16.99	211.5	119	50	20	1	M3.5/M2.5*16	1.5*225
MS1700/1749-R7-B20	17.00-17.49	216	123	50	20	1	M3.5/M2.5*16	1.5*225
MS1750/1800-R7-B20	17.50-18.00	220	126	50	20	1	M3.5/M2.5*16	1.5*225
MS1801/1849-R7-B20	18.01-18.49	231	130	56	25	2	M4.0/M3.0*19	2.0*260
MS1850/1899-R7-B25	18.50-18.99	235.5	133	56	25	2	M4.0/M3.0*19	2.0*260
MS1900/1949-R7-B25	19.00-19.49	240	137	56	25	2	M4.0/M3.0*19	2.0*260
MS1950/1999-R7-B25	19.50-19.99	243.5	140	56	25	2	M4.0/M3.0*19	2.0*260
MS2000/2049-R7-B25	20.00-20.49	248	144	56	25	3	M4.0/M3.0*19	2.0*260
MS2050/2099-R7-B25	20.50-20.99	252.5	147	56	25	3	M4.0/M3.0*19	2.0*260
MS2100/2149-R7-B25	21.00-21.49	256	151	56	25	3	M4.0/M3.0*19	2.0*260
MS2150/2200-R7-B25	21.50-22.00	260.5	154	56	25	3	M4.0/M3.0*19	2.0*260
MS2201/2249-R7-B25	22.01-22.49	265	158	56	25	4	M4.0/M3.0*19	2.0*343
MS2250/2299-R7-B25	22.50-22.99	269	161	56	25	4	M4.0/M3.0*19	2.0*343
MS2300/2349-R7-B25	23.00-23.49	273	165	56	25	4	M4.0/M3.0*19	2.0*343
MS2350/2400-R7-B25	23.50-24.00	277.5	168	56	25	4	M4.0/M3.0*19	2.0*343
MS2401/2449-R7-B32	24.01-24.49	292	172	60	32	5	M5.0/M4.0*23	2.5*393
MS2450/2499-R7-B32	24.50-24.99	295.5	175	60	32	5	M5.0/M4.0*23	2.5*393
MS2500/2549-R7-B32	25.00-25.49	300	179	60	32	5	M5.0/M4.0*23	2.5*393
MS2550/2600-R7-B32	25.50-26.00	304.5	182	60	32	5	M5.0/M4.0*23	2.5*393
MS2601/2649-R7-B32	26.01-26.49	308	186	60	32	6	M5.0/M4.0*23	2.5*393

7×D	D (mm)	L (mm)	L2 (mm)	Ls (mm)	Ds (mm)	刀座尺寸	中心锁紧螺钉	扳手
MS2650/2699-R7-B32	26.50-26.99	312.5	189	60	32	6	M5.0/M4.0*23	2.5*393
MS2700/2749-R7-B32	27.00-27.49	317	193	60	32	6	M5.0/M4.0*23	2.5*393
MS2750/2800-R7-B32	27.50-28.00	321	196	60	32	6	M5.0/M4.0*23	2.5*393
MS2801/2849-R7-B32	28.01-28.49	325	200	60	32	7	M6.0/M5.0*28	3.0*439
MS2850/2899-R7-B32	28.50-28.99	329.5	203	60	32	7	M6.0/M5.0*28	3.0*439
MS2900/2949-R7-B32	29.00-29.49	334	207	60	32	7	M6.0/M5.0*28	3.0*439
MS2950/3000-R7-B32	29.50-30.00	337.5	210	60	32	7	M6.0/M5.0*28	3.0*439
MS3001/3049-R7-B32	30.01-30.49	340	214	60	32	8	M6.0/M5.0*28	3.0*439
MS3050/3099-R7-B32	30.50-30.99	343.5	217	60	32	8	M6.0/M5.0*28	3.0*439
MS3100/3149-R7-B32	31.00-31.49	347	221	60	32	8	M6.0/M5.0*28	3.0*439
MS3150/3200-R7-B32	31.50-32.00	350.5	224	60	32	8	M6.0/M5.0*28	3.0*439
MS3201/3299-R7-B40	32.01-32.99	366	231	70	40	9	M6.0/M6.0*32	3.0*439
MS3300/3399-R7-B40	33.00-33.99	373	238	70	40	9	M6.0/M6.0*32	3.0*439
MS3400/3499-R7-B40	34.00-34.99	380	245	70	40	9	M6.0/M6.0*32	3.0*439
MS3500/3600-R7-B40	35.00-36.00	387	252	70	40	9	M6.0/M6.0*32	3.0*439
MS3601/3699-R7-B40	36.01-36.99	394	259	70	40	10	M6.0/M6.0*32	3.0*439
MS3700/3799-R7-B40	37.00-37.99	401	266	70	40	10	M6.0/M6.0*32	3.0*439
MS3800/3899-R7-B40	38.00-38.99	408	273	70	40	10	M6.0/M6.0*32	3.0*439
MS3900/4000-R7-B40	39.00-40.00	415	280	70	40	10	M6.0/M6.0*32	3.0*439
MS4001/4099-R7-B40	40.01-40.99	433	287	70	40	11	M6.0/M6.0*32	3.0*530
MS4100/4199-R7-B40	41.00-41.99	440	294	70	40	11	M6.0/M6.0*32	3.0*530
MS4200/4299-R7-B40	42.00-42.99	447	301	70	40	11	M6.0/M6.0*32	3.0*530
MS4300/4399-R7-B40	43.00-43.99	454	308	70	40	11	M6.0/M6.0*32	3.0*530
MS4400/4500-R7-B40	44.00-45.00	461	315	70	40	11	M6.0/M6.0*32	3.0*530
MS4501/4599-R7-B50	45.01-45.99	468	322	70	50	12	M6.0/M6.0*32	3.0*530
MS4600/4699-R7-B50	46.00-46.99	475	329	70	50	12	M6.0/M6.0*32	3.0*530
MS4700/4799-R7-B50	47.00-47.99	482	336	70	50	12	M6.0/M6.0*32	3.0*530
MS4800/4899-R7-B50	48.00-48.99	489	343	70	50	12	M6.0/M6.0*32	3.0*530
MS4900/4999-R7-B50	49.00-49.99	496	350	70	50	12	M6.0/M6.0*32	3.0*530
MS5000/5099-R7-B50	50.00-50.99	503	357	70	50	12	M6.0/M6.0*32	3.0*530
MS5100/5200-R7-B50	51.00-52.00	510	364	70	50	12	M6.0/M6.0*32	3.0*530

8.5×D刀体

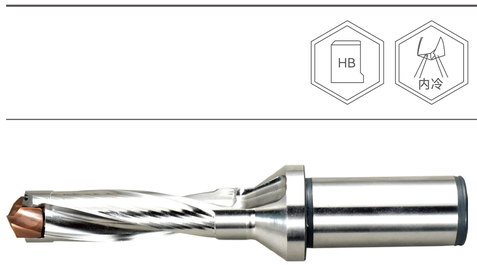


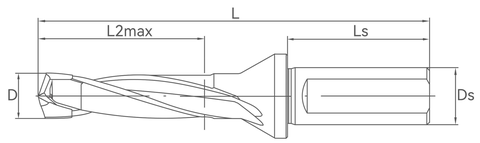


8.5×D	D (mm)	L (mm)	L2 (mm)	Ls (mm)	Ds (mm)	刀座尺寸	中心锁紧螺钉	扳手
MS1250/1300-R8.5-B20	12.50-13.00	196	111	50	20	C	M3.0/M2.5*14	T6*230
MS1301/1350-R8.5-B20	13.01-13.50	201.5	115	50	20	C	M3.0/M2.5*14	T6*230
MS1351/1400-R8.5-B20	13.51-14.00	207	119	50	20	B	M3.0/M2.5*14	T6*230
MS1401/1450-R8.5-B20	14.01-14.50	212	124	50	20	B	M3.0/M2.5*14	T6*230
MS1451/1499-R8.5-B20	14.51-14.99	216	128	50	20	A	M3.0/M2.5*14	T6*230
MS1500/1549-R8.5-B20	15.00-15.49	221.5	132	50	20	A	M3.0/M2.5*14	T6*230
MS1550/1599-R8.5-B20	15.50-15.99	227	136	50	20	A	M3.0/M2.5*14	T6*230
MS1600/1649-R8.5-B20	16.00-16.49	231	141	50	20	1	M3.5/M2.5*16	1.5*297
MS1650/1699-R8.5-B20	16.50-16.99	236	145	50	20	1	M3.5/M2.5*16	1.5*297
MS1700/1749-R8.5-B20	17.00-17.49	241.5	149	50	20	1	M3.5/M2.5*16	1.5*297
MS1750/1800-R8.5-B20	17.50-18.00	246.5	153	50	20	1	M3.5/M2.5*16	1.5*297
MS1801/1849-R8.5-B20	18.01-18.49	258	158	56	25	2	M4.0/M3.0*19	2.0*343
MS1850/1899-R8.5-B25	18.50-18.99	263	162	56	25	2	M4.0/M3.0*19	2.0*343
MS1900/1949-R8.5-B25	19.00-19.49	268.5	166	56	25	2	M4.0/M3.0*19	2.0*343
MS1950/1999-R8.5-B25	19.50-19.99	273	170	56	25	2	M4.0/M3.0*19	2.0*343
MS2000/2049-R8.5-B25	20.00-20.49	278	175	56	25	3	M4.0/M3.0*19	2.0*343
MS2050/2099-R8.5-B25	20.50-20.99	283	179	56	25	3	M4.0/M3.0*19	2.0*343
MS2100/2149-R8.5-B25	21.00-21.49	287.5	183	56	25	3	M4.0/M3.0*19	2.0*343
MS2150/2200-R8.5-B25	21.50-22.00	293	187	56	25	3	M4.0/M3.0*19	2.0*343
MS2201/2249-R8.5-B25	22.01-22.49	298	192	56	25	4	M4.0/M3.0*19	2.0*343
MS2250/2299-R8.5-B25	22.50-22.99	302.5	196	56	25	4	M4.0/M3.0*19	2.0*343
MS2300/2349-R8.5-B25	23.00-23.49	307.5	200	56	25	4	M4.0/M3.0*19	2.0*343
MS2350/2400-R8.5-B25	23.50-24.00	313	204	56	25	4	M4.0/M3.0*19	2.0*343
MS2401/2449-R8.5-B32	24.01-24.49	328	209	60	32	5	M5.0/M4.0*23	2.5*393
MS2450/2499-R8.5-B32	24.50-24.99	332	213	60	32	5	M5.0/M4.0*23	2.5*393
MS2500/2549-R8.5-B32	25.00-25.49	337.5	217	60	32	5	M5.0/M4.0*23	2.5*393
MS2550/2600-R8.5-B32	25.50-26.00	343	221	60	32	5	M5.0/M4.0*23	2.5*393
MS2601/2649-R8.5-B32	26.01-26.49	347	226	60	32	6	M5.0/M4.0*23	2.5*393

8.5×D	D (mm)	L (mm)	L2 (mm)	Ls (mm)	Ds (mm)	刀座尺寸	中心锁紧螺钉	扳手
MS2650/2699-R8.5-B32	26.50-26.99	352	230	60	32	6	M5.0/M4.0*23	2.5*393
MS2700/2749-R8.5-B32	27.00-27.49	357.5	234	60	32	6	M5.0/M4.0*23	2.5*393
MS2750/2800-R8.5-B32	27.50-28.00	362	238	60	32	6	M5.0/M4.0*23	2.5*393
MS2801/2849-R8.5-B32	28.01-28.49	367	243	60	32	7	M6.0/M5.0*28	3.0*439
MS2850/2899-R8.5-B32	28.50-28.99	372	247	60	32	7	M6.0/M5.0*28	3.0*439
MS2900/2949-R8.5-B32	29.00-29.49	377.5	251	60	32	7	M6.0/M5.0*28	3.0*439
MS2950/3000-R8.5-B32	29.50-30.00	382	255	60	32	7	M6.0/M5.0*28	3.0*439
MS3001/3049-R8.5-B32	30.01-30.49	385	260	60	32	8	M6.0/M5.0*28	3.0*439
MS3050/3099-R8.5-B32	30.50-30.99	389	264	60	32	8	M6.0/M5.0*28	3.0*439
MS3100/3149-R8.5-B32	31.00-31.49	393.5	268	60	32	8	M6.0/M5.0*28	3.0*439
MS3150/3200-R8.5-B32	31.50-32.00	398	272	60	32	8	M6.0/M5.0*28	3.0*439
MS3201/3299-R8.5-B40	32.01-32.99	414	281	70	40	9	M6.0/M6.0*32	3.0*439
MS3300/3399-R8.5-B40	33.00-33.99	422.5	289	70	40	9	M6.0/M6.0*32	3.0*439
MS3400/3499-R8.5-B40	34.00-34.99	431	298	70	40	9	M6.0/M6.0*32	3.0*439
MS3500/3600-R8.5-B40	35.00-36.00	439.5	306	70	40	9	M6.0/M6.0*32	3.0*439
MS3601/3699-R8.5-B40	36.01-36.99	448	315	70	40	10	M6.0/M6.0*32	3.0*530
MS3700/3799-R8.5-B40	37.00-37.99	456.5	323	70	40	10	M6.0/M6.0*32	3.0*530
MS3800/3899-R8.5-B40	38.00-38.99	465	332	70	40	10	M6.0/M6.0*32	3.0*530
MS3900/4000-R8.5-B40	39.00-40.00	473.5	340	70	40	10	M6.0/M6.0*32	3.0*530
MS4001/4099-R8.5-B40	40.01-40.99	493	349	70	40	11	M6.0/M6.0*32	3.0*600
MS4100/4199-R8.5-B40	41.00-41.99	501.5	357	70	40	11	M6.0/M6.0*32	3.0*600
MS4200/4299-R8.5-B40	42.00-42.99	510	366	70	40	11	M6.0/M6.0*32	3.0*600
MS4300/4399-R8.5-B40	43.00-43.99	518.5	374	70	40	11	M6.0/M6.0*32	3.0*600
MS4400/4500-R8.5-B40	44.00-45.00	527	383	70	40	11	M6.0/M6.0*32	3.0*600
MS4501/4599-R8.5-B50	45.01-45.99	535.5	391	70	50	12	M6.0/M6.0*32	3.0*600
MS4600/4699-R8.5-B50	46.00-46.99	544	400	70	50	12	M6.0/M6.0*32	3.0*600
MS4700/4799-R8.5-B50	47.00-47.99	552.5	408	70	50	12	M6.0/M6.0*32	3.0*600
MS4800/4899-R8.5-B50	48.00-48.99	561	417	70	50	12	M6.0/M6.0*32	3.0*600
MS4900/4999-R8.5-B50	49.00-49.99	569.5	425	70	50	12	M6.0/M6.0*32	3.0*600
MS5000/5099-R8.5-B50	50.00-50.99	578	434	70	50	12	M6.0/M6.0*32	3.0*600
MS5100/5200-R8.5-B50	51.00-52.00	586.5	442	70	50	12	M6.0/M6.0*32	3.0*600

10×D刀体

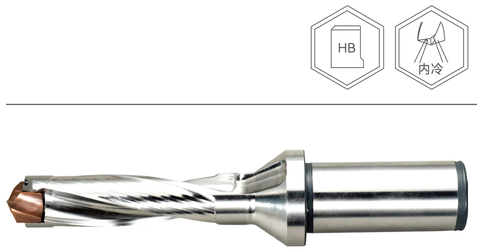


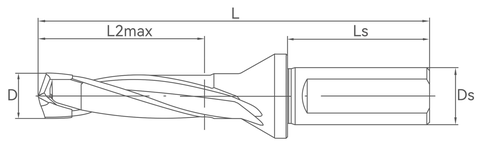


10×D	D (mm)	L (mm)	L2 (mm)	Ls (mm)	Ds (mm)	刀座尺寸	中心锁紧螺钉	扳手
MS1250/1300-R10-B20	12.50-13.00	215	130	50	20	C	M3.0/M2.5*14	T6*230
MS1301/1350-R10-B20	13.01-13.50	221	135	50	20	C	M3.0/M2.5*14	T6*230
MS1351/1400-R10-B20	13.51-14.00	227	140	50	20	B	M3.0/M2.5*14	T6*230
MS1401/1450-R10-B20	14.01-14.50	233	145	50	20	B	M3.0/M2.5*14	T6*230
MS1451/1499-R10-B20	14.51-14.99	238	150	50	20	A	M3.0/M2.5*14	T6*291
MS1500/1549-R10-B20	15.00-15.49	244	155	50	20	A	M3.0/M2.5*14	T6*291
MS1550/1599-R10-B20	15.50-15.99	250	160	50	20	A	M3.0/M2.5*14	T6*291
MS1600/1649-R10-B20	16.00-16.49	255	165	50	20	1	M3.5/M2.5*16	1.5*297
MS1650/1699-R10-B20	16.50-16.99	261	170	50	20	1	M3.5/M2.5*16	1.5*297
MS1700/1749-R10-B20	17.00-17.49	267	175	50	20	1	M3.5/M2.5*16	1.5*297
MS1750/1800-R10-B20	17.50-18.00	272.5	180	50	20	1	M3.5/M2.5*16	1.5*297
MS1801/1849-R10-B20	18.01-18.49	285	185	56	25	2	M4.0/M3.0*19	2.0*343
MS1850/1899-R10-B25	18.50-18.99	291	190	56	25	2	M4.0/M3.0*19	2.0*343
MS1900/1949-R10-B25	19.00-19.49	297	195	56	25	2	M4.0/M3.0*19	2.0*343
MS1950/1999-R10-B25	19.50-19.99	302	200	56	25	2	M4.0/M3.0*19	2.0*343
MS2000/2049-R10-B25	20.00-20.49	308	205	56	25	3	M4.0/M3.0*19	2.0*343
MS2050/2099-R10-B25	20.50-20.99	314	210	56	25	3	M4.0/M3.0*19	2.0*343
MS2100/2149-R10-B25	21.00-21.49	319	215	56	25	3	M4.0/M3.0*19	2.0*343
MS2150/2200-R10-B25	21.50-22.00	325	220	56	25	3	M4.0/M3.0*19	2.0*343
MS2201/2249-R10-B25	22.01-22.49	331	225	56	25	4	M4.0/M3.0*19	2.0*343
MS2250/2299-R10-B25	22.50-22.99	336.5	230	56	25	4	M4.0/M3.0*19	2.0*343
MS2300/2349-R10-B25	23.00-23.49	342	235	56	25	4	M4.0/M3.0*19	2.0*343
MS2350/2400-R10-B25	23.50-24.00	348	240	56	25	4	M4.0/M3.0*19	2.0*343
MS2401/2449-R10-B32	24.01-24.49	364	245	60	32	5	M5.0/M4.0*23	2.5*393
MS2450/2499-R10-B32	24.50-24.99	369	250	60	32	5	M5.0/M4.0*23	2.5*393
MS2500/2549-R10-B32	25.00-25.49	375	255	60	32	5	M5.0/M4.0*23	2.5*393
MS2550/2600-R10-B32	25.50-26.00	381	260	60	32	5	M5.0/M4.0*23	2.5*393
MS2601/2649-R10-B32	26.01-26.49	386	265	60	32	6	M5.0/M4.0*23	2.5*393

10×D	D (mm)	L (mm)	L2 (mm)	Ls (mm)	Ds (mm)	刀座尺寸	中心锁紧螺钉	扳手
MS2650/2699-R10-B32	26.50-26.99	392	270	60	32	6	M5.0/M4.0*23	2.5*393
MS2700/2749-R10-B32	27.00-27.49	398	275	60	32	6	M5.0/M4.0*23	2.5*393
MS2750/2800-R10-B32	27.50-28.00	403.5	280	60	32	6	M5.0/M4.0*23	2.5*393
MS2801/2849-R10-B32	28.01-28.49	409	285	60	32	7	M6.0/M5.0*28	3.0*439
MS2850/2899-R10-B32	28.50-28.99	415	290	60	32	7	M6.0/M5.0*28	3.0*439
MS2900/2949-R10-B32	29.00-29.49	421	295	60	32	7	M6.0/M5.0*28	3.0*439
MS2950/3000-R10-B32	29.50-30.00	426	300	60	32	7	M6.0/M5.0*28	3.0*439
MS3001/3049-R10-B32	30.01-30.49	430	305	60	32	8	M6.0/M5.0*28	3.0*439
MS3050/3099-R10-B32	30.50-30.99	435	310	60	32	8	M6.0/M5.0*28	3.0*439
MS3100/3149-R10-B32	31.00-31.49	440	315	60	32	8	M6.0/M5.0*28	3.0*439
MS3150/3200-R10-B32	31.50-32.00	445	320	60	32	8	M6.0/M5.0*28	3.0*439
MS3201/3299-R10-B40	32.01-32.99	462	330	70	40	9	M6.0/M6.0*32	3.0*530
MS3300/3399-R10-B40	33.00-33.99	472	340	70	40	9	M6.0/M6.0*32	3.0*530
MS3400/3499-R10-B40	34.00-34.99	482	350	70	40	9	M6.0/M6.0*32	3.0*530
MS3500/3600-R10-B40	35.00-36.00	492	360	70	40	9	M6.0/M6.0*32	3.0*530
MS3601/3699-R10-B40	36.01-36.99	502	370	70	40	10	M6.0/M6.0*32	3.0*530
MS3700/3799-R10-B40	37.00-37.99	512	380	70	40	10	M6.0/M6.0*32	3.0*530
MS3800/3899-R10-B40	38.00-38.99	522	390	70	40	10	M6.0/M6.0*32	3.0*530
MS3900/4000-R10-B40	39.00-40.00	532	400	70	40	10	M6.0/M6.0*32	3.0*530
MS4001/4099-R10-B40	40.01-40.99	553	410	70	40	11	M6.0/M6.0*32	3.0*680
MS4100/4199-R10-B40	41.00-41.99	563	420	70	40	11	M6.0/M6.0*32	3.0*680
MS4200/4299-R10-B40	42.00-42.99	573	430	70	40	11	M6.0/M6.0*32	3.0*680
MS4300/4399-R10-B40	43.00-43.99	583	440	70	40	11	M6.0/M6.0*32	3.0*680
MS4400/4500-R10-B40	44.00-45.00	593	450	70	40	11	M6.0/M6.0*32	3.0*680
MS4501/4599-R10-B50	45.01-45.99	603	460	70	50	12	M6.0/M6.0*32	3.0*680
MS4600/4699-R10-B50	46.00-46.99	613	470	70	50	12	M6.0/M6.0*32	3.0*680
MS4700/4799-R10-B50	47.00-47.99	623	480	70	50	12	M6.0/M6.0*32	3.0*680
MS4800/4899-R10-B50	48.00-48.99	633	490	70	50	12	M6.0/M6.0*32	3.0*680
MS4900/4999-R10-B50	49.00-49.99	643	500	70	50	12	M6.0/M6.0*32	3.0*680
MS5000/5099-R10-B50	50.00-50.99	653	510	70	50	12	M6.0/M6.0*32	3.0*680
MS5100/5200-R10-B50	51.00-52.00	663	520	70	50	12	M6.0/M6.0*32	3.0*680

12×D刀体





12×D	D (mm)	L (mm)	L2 (mm)	Ls (mm)	Ds (mm)	刀座尺寸	中心锁紧螺钉	扳手
MS1250/1300-R12-B20	12.50-13.00	240.0	156	50	20	C	M3.0/M2.5*14	T6*291
MS1301/1350-R12-B20	13.01-13.50	247.0	162	50	20	C	M3.0/M2.5*14	T6*291
MS1351/1400-R12-B20	13.51-14.00	254.0	168	50	20	B	M3.0/M2.5*14	T6*291
MS1401/1450-R12-B20	14.01-14.50	261.0	174	50	20	B	M3.0/M2.5*14	T6*291
MS1451/1499-R12-B20	14.51-14.99	267.0	180	50	20	A	M3.0/M2.5*14	T6*291
MS1500/1549-R12-B20	15.00-15.49	274.0	186	50	20	A	M3.0/M2.5*14	T6*291
MS1550/1599-R12-B20	15.50-15.99	281.0	192	50	20	A	M3.0/M2.5*14	T6*291
MS1600/1649-R12-B20	16.00-16.49	287.0	198	50	20	1	M3.5/M2.5*16	1.5*350
MS1650/1699-R12-B20	16.50-16.99	294.0	204	50	20	1	M3.5/M2.5*16	1.5*350
MS1700/1749-R12-B20	17.00-17.49	301.0	210	50	20	1	M3.5/M2.5*16	1.5*350
MS1750/1800-R12-B20	17.50-18.00	307.5	216	50	20	1	M3.5/M2.5*16	1.5*350
MS1801/1849-R12-B20	18.01-18.49	321.0	222	56	25	2	M4.0/M3.0*19	2.0*410
MS1850/1899-R12-B25	18.50-18.99	328.0	228	56	25	2	M4.0/M3.0*19	2.0*410
MS1900/1949-R12-B25	19.00-19.49	335.0	234	56	25	2	M4.0/M3.0*19	2.0*410
MS1950/1999-R12-B25	19.50-19.99	341.0	240	56	25	2	M4.0/M3.0*19	2.0*410
MS2000/2049-R12-B25	20.00-20.49	348.0	246	56	25	3	M4.0/M3.0*19	2.0*410
MS2050/2099-R12-B25	20.50-20.99	355.0	252	56	25	3	M4.0/M3.0*19	2.0*410
MS2100/2149-R12-B25	21.00-21.49	361.0	258	56	25	3	M4.0/M3.0*19	2.0*410
MS2150/2200-R12-B25	21.50-22.00	368.0	264	56	25	3	M4.0/M3.0*19	2.0*410
MS2201/2249-R12-B25	22.01-22.49	375.0	270	56	25	4	M4.0/M3.0*19	2.0*410
MS2250/2299-R12-B25	22.50-22.99	381.5	276	56	25	4	M4.0/M3.0*19	2.0*410
MS2300/2349-R12-B25	23.00-23.49	388.0	282	56	25	4	M4.0/M3.0*19	2.0*410
MS2350/2400-R12-B25	23.50-24.00	395.0	288	56	25	4	M4.0/M3.0*19	2.0*410
MS2401/2449-R12-B32	24.01-24.49	412.0	294	60	32	5	M5.0/M4.0*23	2.5*460
MS2450/2499-R12-B32	24.50-24.99	418.0	300	60	32	5	M5.0/M4.0*23	2.5*460
MS2500/2549-R12-B32	25.00-25.49	425.0	306	60	32	5	M5.0/M4.0*23	2.5*460
MS2550/2600-R12-B32	25.50-26.00	432.0	312	60	32	5	M5.0/M4.0*23	2.5*460
MS2601/2649-R12-B32	26.01-26.49	438.0	318	60	32	6	M5.0/M4.0*23	2.5*460

12×D	D (mm)	L (mm)	L2 (mm)	Ls (mm)	Ds (mm)	刀座尺寸	中心锁紧螺钉	扳手
MS2650/2699-R12-B32	26.50-26.99	445.0	324	60	32	6	M5.0/M4.0*23	2.5*460
MS2700/2749-R12-B32	27.00-27.49	452.0	330	60	32	6	M5.0/M4.0*23	2.5*460
MS2750/2800-R12-B32	27.50-28.00	458.5	336	60	32	6	M5.0/M4.0*23	2.5*460
MS2801/2849-R12-B32	28.01-28.49	465.0	342	60	32	7	M6.0/M5.0*28	3.0*530
MS2850/2899-R12-B32	28.50-28.99	472.0	348	60	32	7	M6.0/M5.0*28	3.0*530
MS2900/2949-R12-B32	29.00-29.49	479.0	354	60	32	7	M6.0/M5.0*28	3.0*530
MS2950/3000-R12-B32	29.50-30.00	485.0	360	60	32	7	M6.0/M5.0*28	3.0*530
MS3001/3049-R12-B32	30.01-30.49	490.0	366	60	32	8	M6.0/M5.0*28	3.0*530
MS3050/3099-R12-B32	30.50-30.99	496.0	372	60	32	8	M6.0/M5.0*28	3.0*530
MS3100/3149-R12-B32	31.00-31.49	502.0	378	60	32	8	M6.0/M5.0*28	3.0*530
MS3150/3200-R12-B32	31.50-32.00	508.0	384	60	32	8	M6.0/M5.0*28	3.0*530
MS3201/3299-R12-B40	32.01-32.99	526.0	396	70	40	9	M6.0/M6.0*32	3.0*600
MS3300/3399-R12-B40	33.00-33.99	538.0	408	70	40	9	M6.0/M6.0*32	3.0*600
MS3400/3499-R12-B40	34.00-34.99	550.0	420	70	40	9	M6.0/M6.0*32	3.0*600
MS3500/3600-R12-B40	35.00-36.00	562.0	432	70	40	9	M6.0/M6.0*32	3.0*600
MS3601/3699-R12-B40	36.01-36.99	574.0	444	70	40	10	M6.0/M6.0*32	3.0*600
MS3700/3799-R12-B40	37.00-37.99	586.0	456	70	40	10	M6.0/M6.0*32	3.0*600
MS3800/3899-R12-B40	38.00-38.99	598.0	468	70	40	10	M6.0/M6.0*32	3.0*600
MS3900/4000-R12-B40	39.00-40.00	610.0	480	70	40	10	M6.0/M6.0*32	3.0*600
MS4001/4099-R12-B40	40.01-40.99	633.0	492	70	40	11	M6.0/M6.0*32	3.0*770
MS4100/4199-R12-B40	41.00-41.99	645.0	504	70	40	11	M6.0/M6.0*32	3.0*770
MS4200/4299-R12-B40	42.00-42.99	657.0	516	70	40	11	M6.0/M6.0*32	3.0*770
MS4300/4399-R12-B40	43.00-43.99	669.0	528	70	40	11	M6.0/M6.0*32	3.0*770
MS4400/4500-R12-B40	44.00-45.00	681.0	540	70	40	11	M6.0/M6.0*32	3.0*770
MS4501/4599-R12-B50	45.01-45.99	693.0	552	70	50	12	M6.0/M6.0*32	3.0*770
MS4600/4699-R12-B50	46.00-46.99	705.0	564	70	50	12	M6.0/M6.0*32	3.0*770
MS4700/4799-R12-B50	47.00-47.99	717.0	576	70	50	12	M6.0/M6.0*32	3.0*770
MS4800/4899-R12-B50	48.00-48.99	729.0	588	70	50	12	M6.0/M6.0*32	3.0*770
MS4900/4999-R12-B50	49.00-49.99	741.0	600	70	50	12	M6.0/M6.0*32	3.0*770
MS5000/5099-R12-B50	50.00-50.99	753.0	612	70	50	12	M6.0/M6.0*32	3.0*770
MS5100/5200-R12-B50	51.00-52.00	765.0	624	70	50	12	M6.0/M6.0*32	3.0*770

切削参数

材料分组		工件材质	切削速度-vc 范围-m/min 最小值	初始值	最大值	根据直径推荐进给（Fn） mm/r 12.5-16	16-20	20-25.4	25.4-32	32-36	36-40
P	1	非合金钢	80	100	120	0.15-0.31	0.17-0.36	0.19-0.41	0.25-0.53	0.29-0.6	0.33-0.69
	2	低合金钢	80	90	100	0.15-0.31	0.17-0.36	0.19-0.41	0.25-0.53	0.29-0.6	0.33-0.69
	3	高合金钢	60	70	80	0.15-0.26	0.17-0.31	0.19-0.36	0.25-0.46	0.23-0.53	0.33-0.6
	4	铁素体、马氏体不锈钢	60	70	80	0.12-0.26	0.14-0.31	0.16-0.36	0.2-0.46	0.23-0.53	0.3-0.6
K	1	可锻铸铁	100	110	120	0.17-0.33	0.21-0.42	0.25-0.48	0.31-0.59	0.37-0.7	0.43-0.81
	2	灰口铸铁	90	100	110	0.17-0.33	0.21-0.41	0.25-0.48	0.31-0.59	0.37-0.7	0.43-0.81
	3	球墨铸铁	80	90	100	0.18-0.36	0.20-0.41	0.21-0.44	0.23-0.48	0.25-0.53	0.27-0.57
M	1	奥氏体不锈钢	50	60	70	0.09-0.14	0.11-0.17	0.13-0.20	0.16-0.25	0.18-0.28	0.21-0.31
	2	超级奥氏体(镍≥20%)不锈钢	20	40	60	0.09-0.14	0.11-0.17	0.13-0.20	0.16-0.25	0.18-0.28	0.21-0.31
	3	双相(奥氏体/铁素体)不锈钢	40	55	70	0.09-0.14	0.11-0.17	0.13-0.20	0.16-0.25	0.18-0.28	0.21-0.31
S		高温合金	20	40	60	0.09-0.14	0.11-0.17	0.13-0.20	0.16-0.25	0.18-0.28	0.21-0.31
N		铝合金、铜合金	100	140	180	0.17-0.33	0.21-0.41	0.25-0.48	0.31-0.59	0.37-0.7	0.43-0.81

推荐冷却液压力	
钻孔深度	冷却压力
3×D	8巴
4×D	10巴
5×D	12巴
7×D	20巴
8×D	25巴
10×D	30巴
12×D	35巴

安装方式

❶ 安装中心锁紧螺钉

- Φ32MM以下的刀片，锁紧螺钉与刀体表面齐平
- Φ32MM以上的刀片，锁紧螺钉低于刀体表面2MM

❷ 安装刀片

- 用扳手锁紧刀片，使其完全贴合刀体
- 如需更换刀片，逆时针旋转扳手，直至刀片脱落刀体

建议：每更换5个钻尖，更换锁紧螺钉