

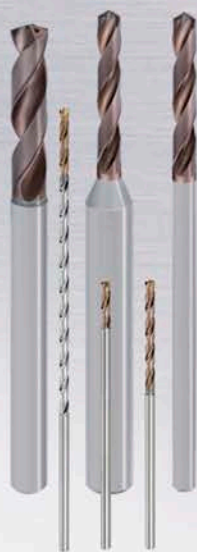
通用整体硬质合金钻头
WSTAR钻头系列

MVE/MVS

增加
小直径
钻头

新一代整体硬质合金钻头诞生。

采用TRI-Cooling技术®的独创冷却孔。
采用钻头专用PVD涂层材料，
在各种工件材料加工中均可实现长寿命!!



 MIRACLE
SIGMA
PVD涂层迈进新时代

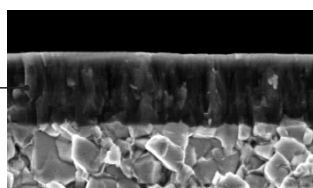
追加小直径 $\phi 1 - \phi 2.9$ 、0.1mm间隔钻头
L/D=2,7,12,20,25,30 6种钻头
L/D=2作为导孔加工用钻头实现标准化

通用整体硬质合金钻头
WSTAR 钻头系列

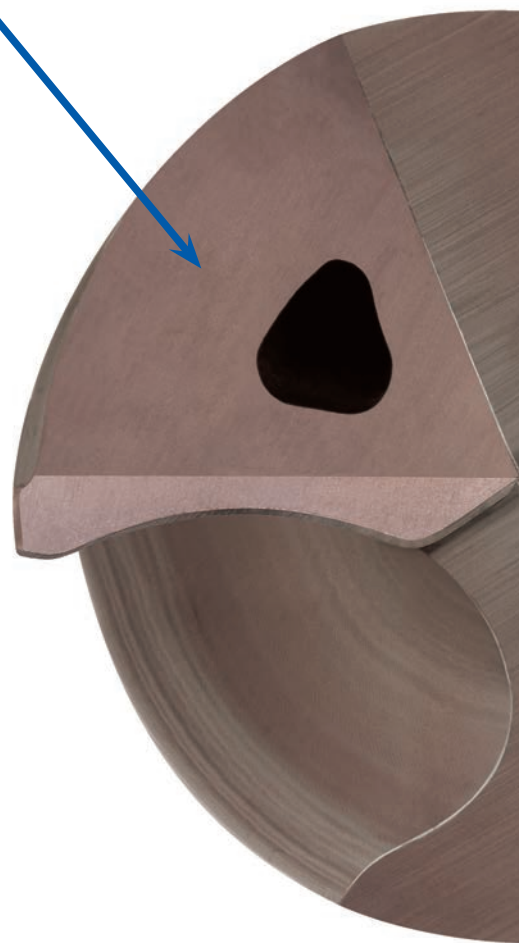
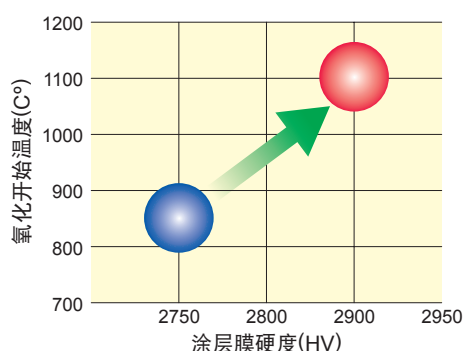
MVE/MVS

新涂层材料 **DP1020**

采用新开发的钻头专用PVD涂层材料，在普通钢、软钢、碳钢、合金钢、不锈钢、铸铁等各种工件材料加工中均可发挥优异的耐磨损性。



Al-Ti-Cr-N类多层涂层



优异的刃带磨损特性

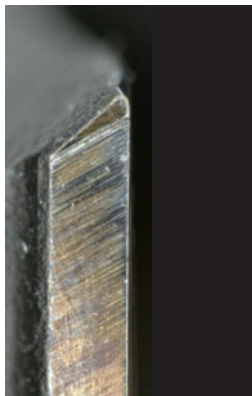
DP1020的刃带耐磨损性优异，可为重磨保留余量。

切削长度57m时的刃带损伤状态

DP1020

以往产品A

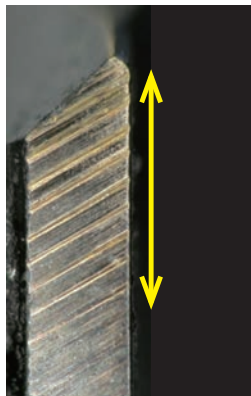
以往产品B



轻微



较深的机械磨损



大范围机械磨损

〈切削条件〉

工件材料：S50C

切削速度：100m/min

每转进给量：0.2mm/rev

冷却方式：水溶性（外部冷却）

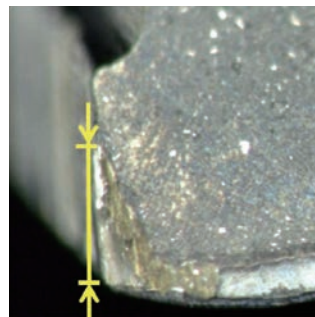
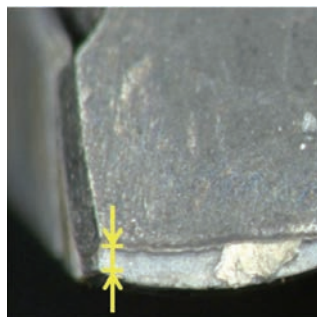
采用新型波形刃

凹形刃实现超群的切削锋利性，凸形刃实现超群的切削刃强度，可抑制钻头最容易发生的外周部磨损。

切削刃外周部的损伤比较（加工57m时）

MVE

以往产品



〈切削条件〉

工 件 材 料 : S50C

切 削 速 度 : 100m/min

每 转 进 给 量 : 0.2mm/rev

冷 却 方 式 : 水溶性（外部冷却）

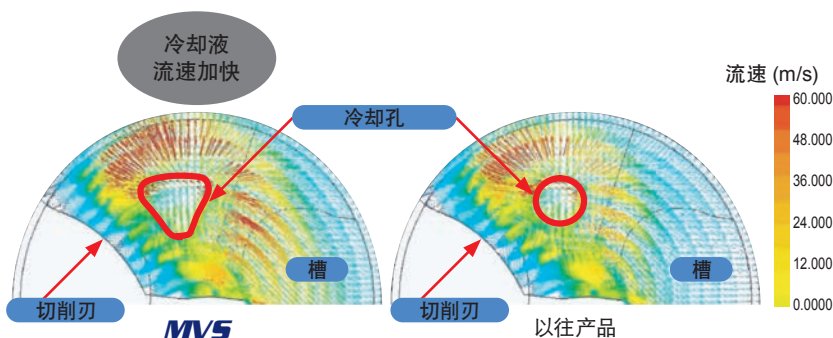
Zero-μ表面

独创的表面平滑处理，可减小切削阻力，实现优异的排屑性。

TRI-cooling技术®

采用独创的冷却孔形状，可加快冷却液的流速，迅速带走切削热（适用于φ6以上的钻头）。

实现长寿命。



MVS ^{NEW} 小直径 $\phi 1 \sim \phi 2.9$

小直径深孔加工实现稳定性

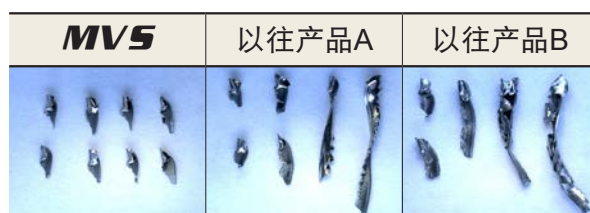
直线刃形

断屑性与切削刃强度提高。

最优化的新型槽形状

排屑性提高。

切屑细小分断

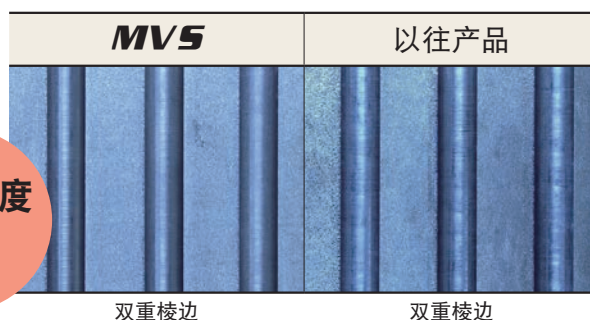


<切削条件>
钻 头：MVS0250X30S030
工 件 材 料：SUS304
钻 削 孔 深：75mm (L/D=30)
切 削 速 度：40m/min
每 转 进 给 量：0.04mm/rev
冷 却 方 式：水溶性

采用双重棱边

平衡性优异，实现更高精度。

面粗糙度



<切削条件>
钻 头：MVS0200X30S030
工 件 材 料：SCM440
钻 削 孔 深：60mm (L/D=30)
切 削 速 度：30m/min
每 转 进 给 量：0.04mm/rev
冷 却 方 式：水溶性 (7MPa)

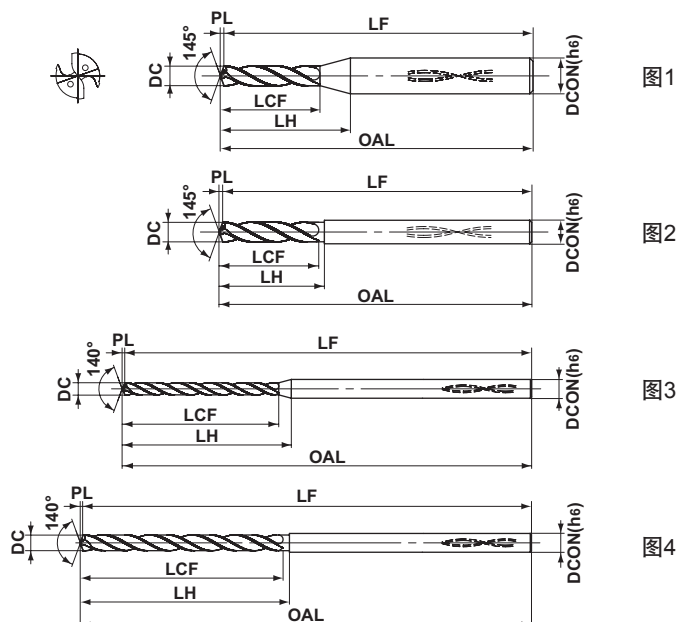
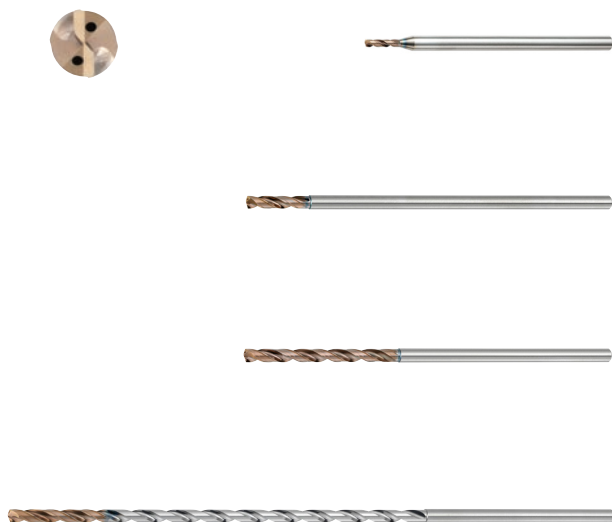
- 排屑性与切削刃强度优异的直线刃形
- 可实现小直径钻头的最佳平衡与高精度的双重棱边

P	M	K	N	S	H
钢	不锈钢	铸铁	有色金属	耐热合金	

型号	1≤DC≤2.9
MVS-X02-	+0.014 0
MVS-X02-以外	0 -0.014
型号	DCON
MVS	0 -0.006



h6↑



内部冷却型

DC (mm)	钻削孔深 (l/d)	库存 DP1020	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
1.0	*S	●	MVS0100X02S030	5.2	8.9	55.2	55	0.2	3	1
	7	●	MVS0100X07S030	10.2	14.2	55.2	55	0.2	3	3
	12	●	MVS0100X12S030	15.2	19.2	55.2	55	0.2	3	3
	20	●	MVS0100X20S030	24.2	28.2	60.2	60	0.2	3	3
	25	●	MVS0100X25S030	28.2	32.2	66.2	66	0.2	3	3
	30	●	MVS0100X30S030	33.2	37.2	72.2	72	0.2	3	3
1.1	*S	●	MVS0110X02S030	5.6	9.1	55.2	55	0.2	3	1
	7	●	MVS0110X07S030	11.2	15.2	55.2	55	0.2	3	3
	12	●	MVS0110X12S030	17.2	21.2	55.2	55	0.2	3	3
	20	●	MVS0110X20S030	25.2	29.2	60.2	60	0.2	3	3
	25	●	MVS0110X25S030	31.2	34.2	66.2	66	0.2	3	3
	30	●	MVS0110X30S030	36.2	40.2	72.2	72	0.2	3	3
1.2	*S	●	MVS0120X02S030	6.2	9.6	55.2	55	0.2	3	1
	7	●	MVS0120X07S030	12.2	15.2	55.2	55	0.2	3	3
	12	●	MVS0120X12S030	18.2	21.2	55.2	55	0.2	3	3
	20	●	MVS0120X20S030	28.2	31.2	60.2	60	0.2	3	3
	25	●	MVS0120X25S030	34.2	37.2	66.2	66	0.2	3	3
	30	●	MVS0120X30S030	40.2	43.2	72.2	72	0.2	3	3
1.3	*S	●	MVS0130X02S030	6.6	9.8	55.2	55	0.2	3	1
	7	●	MVS0130X07S030	13.2	16.2	55.2	55	0.2	3	3
	12	●	MVS0130X12S030	20.2	23.2	55.2	55	0.2	3	3
	20	●	MVS0130X20S030	30.2	33.2	68.2	68	0.2	3	3
	25	●	MVS0130X25S030	36.2	40.2	74.2	74	0.2	3	3
	30	●	MVS0130X30S030	43.2	46.2	82.2	82	0.2	3	3

内部冷却型

DC (mm)	钻削孔深 (l/d)	库存 DP1020	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
1.4	*S	●	MVS0140X02S030	7.2	10.2	55.2	55	0.2	3	1
	7	●	MVS0140X07S030	14.3	17.3	55.3	55	0.3	3	3
	12	●	MVS0140X12S030	21.3	24.3	55.3	55	0.3	3	3
	20	●	MVS0140X20S030	32.3	35.3	68.3	68	0.3	3	3
	25	●	MVS0140X25S030	39.3	42.3	74.3	74	0.3	3	3
	30	●	MVS0140X30S030	46.3	49.3	82.3	82	0.3	3	3
1.5	*S	●	MVS0150X02S030	7.6	10.4	55.2	55	0.2	3	1
	7	●	MVS0150X07S030	15.3	18.3	55.3	55	0.3	3	3
	12	●	MVS0150X12S030	23.3	26.3	55.3	55	0.3	3	3
	20	●	MVS0150X20S030	35.3	37.3	68.3	68	0.3	3	3
	25	●	MVS0150X25S030	42.3	45.3	74.3	74	0.3	3	3
	30	●	MVS0150X30S030	50.3	52.3	82.3	82	0.3	3	3
1.6	*S	●	MVS0160X02S030	8.3	10.9	68.3	68	0.3	3	1
	7	●	MVS0160X07S030	16.3	19.3	68.3	68	0.3	3	3
	12	●	MVS0160X12S030	24.3	27.3	68.3	68	0.3	3	3
	20	●	MVS0160X20S030	37.3	39.3	78.3	78	0.3	3	3
	25	●	MVS0160X25S030	45.3	47.3	86.3	86	0.3	3	3
	30	●	MVS0160X30S030	53.3	55.3	95.3	95	0.3	3	3
1.7	*S	●	MVS0170X02S030	8.7	11.1	68.3	68	0.3	3	1
	7	●	MVS0170X07S030	17.3	19.3	68.3	68	0.3	3	3
	12	●	MVS0170X12S030	26.3	28.3	68.3	68	0.3	3	3
	20	●	MVS0170X20S030	39.3	42.3	78.3	78	0.3	3	3
	25	●	MVS0170X25S030	48.3	50.3	86.3	86	0.3	3	3
	30	●	MVS0170X30S030	56.3	59.3	95.3	95	0.3	3	3

*S=导孔加工用钻头 尺寸公差为0+0.014、钻削孔深为2DC。

注 φ6以下钻头的冷却孔为圆形。

●: 标准库存品

通用整体硬质合金钻头

内部冷却型

DC (mm)	钻削孔深 (l/d)	库存 DP1020	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
1.8	*S	●	MVS0180X02S030	9.3	11.5	68.3	68	0.3	3	1
	7	●	MVS0180X07S030	18.3	20.3	68.3	68	0.3	3	3
	12	●	MVS0180X12S030	27.3	29.3	68.3	68	0.3	3	3
	20	●	MVS0180X20S030	41.3	44.3	84.3	84	0.3	3	3
	25	●	MVS0180X25S030	50.3	53.3	94.3	94	0.3	3	3
	30	●	MVS0180X30S030	59.3	62.3	102.3	102	0.3	3	3
1.9	*S	●	MVS0190X02S030	9.7	11.8	68.3	68	0.3	3	1
	7	●	MVS0190X07S030	19.3	21.3	68.3	68	0.3	3	3
	12	●	MVS0190X12S030	29.3	31.3	68.3	68	0.3	3	3
	20	●	MVS0190X20S030	44.3	46.3	84.3	84	0.3	3	3
	25	●	MVS0190X25S030	53.3	55.3	94.3	94	0.3	3	3
	30	●	MVS0190X30S030	63.3	65.3	102.3	102	0.3	3	3
2.0	*S	●	MVS0200X02S030	10.3	12.2	68.3	68	0.3	3	1
	7	●	MVS0200X07S030	20.4	22.4	68.4	68	0.4	3	3
	12	●	MVS0200X12S030	30.4	32.4	68.4	68	0.4	3	3
	20	●	MVS0200X20S030	46.4	48.4	84.4	84	0.4	3	3
	25	●	MVS0200X25S030	56.4	58.4	94.4	94	0.4	3	3
	30	●	MVS0200X30S030	66.4	68.4	102.4	102	0.4	3	3
2.1	*S	●	MVS0210X02S030	10.7	12.4	74.3	74	0.3	3	1
	7	●	MVS0210X07S030	21.4	23.4	74.4	74	0.4	3	3
	12	●	MVS0210X12S030	32.4	34.4	74.4	74	0.4	3	3
	20	●	MVS0210X20S030	48.4	50.4	94.4	94	0.4	3	3
	25	●	MVS0210X25S030	59.4	60.4	107.4	107	0.4	3	3
	30	●	MVS0210X30S030	69.4	71.4	118.4	118	0.4	3	3
2.2	*S	●	MVS0220X02S030	11.3	12.8	74.3	74	0.3	3	1
	7	●	MVS0220X07S030	22.4	23.4	74.4	74	0.4	3	3
	12	●	MVS0220X12S030	33.4	34.4	74.4	74	0.4	3	3
	20	●	MVS0220X20S030	51.4	52.4	94.4	94	0.4	3	3
	25	●	MVS0220X25S030	62.4	63.4	107.4	107	0.4	3	3
	30	●	MVS0220X30S030	73.4	74.4	118.4	118	0.4	3	3
2.3	*S	●	MVS0230X02S030	11.8	13.1	74.4	74	0.4	3	1
	7	●	MVS0230X07S030	23.4	24.4	74.4	74	0.4	3	3
	12	●	MVS0230X12S030	35.4	36.4	74.4	74	0.4	3	3
	20	●	MVS0230X20S030	53.4	54.4	94.4	94	0.4	3	3
	25	●	MVS0230X25S030	64.4	66.4	107.4	107	0.4	3	3
	30	●	MVS0230X30S030	76.4	77.4	118.4	118	0.4	3	3
2.4	*S	●	MVS0240X02S030	12.4	13.5	74.4	74	0.4	3	1
	7	●	MVS0240X07S030	24.4	25.4	74.4	74	0.4	3	3
	12	●	MVS0240X12S030	36.4	37.4	74.4	74	0.4	3	3
	20	●	MVS0240X20S030	55.4	56.4	94.4	94	0.4	3	3
	25	●	MVS0240X25S030	67.4	68.4	107.4	107	0.4	3	3
	30	●	MVS0240X30S030	79.4	80.4	118.4	118	0.4	3	3
2.5	*S	●	MVS0250X02S030	12.8	13.7	74.4	74	0.4	3	1
	7	●	MVS0250X07S030	25.5	26.5	74.5	74	0.5	3	3
	12	●	MVS0250X12S030	38.5	39.5	74.5	74	0.5	3	3
	20	●	MVS0250X20S030	58.5	59.5	94.5	94	0.5	3	3
	25	●	MVS0250X25S030	70.5	71.5	107.5	107	0.5	3	3
	30	●	MVS0250X30S030	83.5	84.5	118.5	118	0.5	3	3

内部冷却型

DC (mm)	钻削孔深 (l/d)	库存 DP1020	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
2.6	*S	●	MVS0260X02S030	13.4	13.4	81.4	81	0.4	3	2
	7	●	MVS0260X07S030	26.5	26.5	81.5	81	0.5	3	4
	12	●	MVS0260X12S030	39.5	39.5	81.5	81	0.5	3	4
	20	●	MVS0260X20S030	60.5	60.5	103.5	103	0.5	3	4
	25	●	MVS0260X25S030	73.5	73.5	117.5	117	0.5	3	4
	30	●	MVS0260X30S030	86.5	86.5	132.5	132	0.5	3	4
2.7	*S	●	MVS0270X02S030	13.8	13.8	81.4	81	0.4	3	2
	7	●	MVS0270X07S030	27.5	27.5	81.5	81	0.5	3	4
	12	●	MVS0270X12S030	41.5	41.5	81.5	81	0.5	3	4
	20	●	MVS0270X20S030	62.5	62.5	103.5	103	0.5	3	4
	25	●	MVS0270X25S030	76.5	76.5	117.5	117	0.5	3	4
	30	●	MVS0270X30S030	89.5	89.5	132.5	132	0.5	3	4
2.8	*S	●	MVS0280X02S030	14.4	14.4	81.4	81	0.4	3	2
	7	●	MVS0280X07S030	28.5	28.5	81.5	81	0.5	3	4
	12	●	MVS0280X12S030	42.5	42.5	81.5	81	0.5	3	4
	20	●	MVS0280X20S030	64.5	64.5	103.5	103	0.5	3	4
	25	●	MVS0280X25S030	78.5	78.5	117.5	117	0.5	3	4
	30	●	MVS0280X30S030	92.5	92.5	132.5	132	0.5	3	4
2.9	*S	●	MVS0290X02S030	14.9	14.9	81.5	81	0.5	3	2
	7	●	MVS0290X07S030	29.5	29.5	81.5	81	0.5	3	4
	12	●	MVS0290X12S030	44.5	44.5	81.5	81	0.5	3	4
	20	●	MVS0290X20S030	67.5	67.5	103.5	103	0.5	3	4
	25	●	MVS0290X25S030	81.5	81.5	117.5	117	0.5	3	4
	30	●	MVS0290X30S030	96.5	96.5	132.5	132	0.5	3	4

*S=导孔加工用钻头 尺寸公差为0+0.014、钻削孔深为2DC。

注 φ6以下钻头的冷却孔为圆形。

DC = 加工直径

LCF = 槽长

LH = 颈长

OAL = 全长

LF = 肩部长度

PL = 顶端与肩部的尺寸差

DCON = 安装部直径

●: 标准库存品

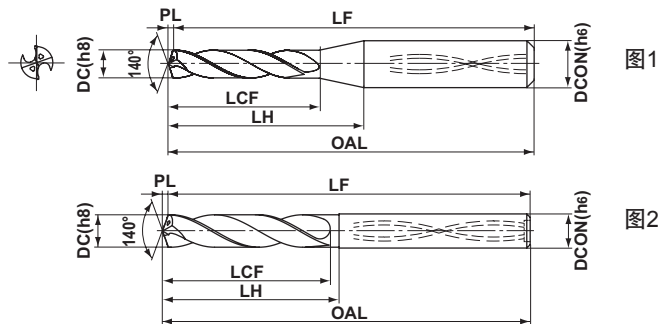
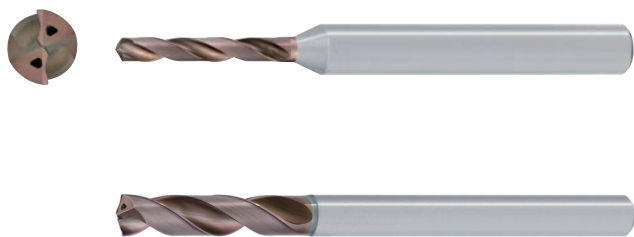
通用整体硬质合金钻头

MVS
WSTAR 钻头

- 新材料DP1020在各种工件材料加工中均可实现长寿命
- 采用TRI-cooling技术®的独创冷却孔，可实现高效加工（适用于φ6以上的钻头）

P	M	K	N	S	H
钢	不锈钢	铸铁	有色金属	耐热合金	

DC=3	3<DC≤6	6<DC≤10	10<DC≤18	18<DC≤20
0 -0.014	0 -0.018	0 -0.022	0 -0.027	0 -0.033
0 -0.006	0 -0.008	0 -0.009	0 -0.011	0 -0.013



内部冷却型

DC (mm)	钻削孔深 (l/d)	库存 DP1020	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
3.0	3	●	MVS0300X03S030	21.5	21.5	72.5	72	0.5	3	2
	3	●	MVS0300X03S060	21.5	24.7	72.5	72	0.5	6	1
	5	●	MVS0300X05S030	28.5	28.5	81.5	81	0.5	3	2
	5	●	MVS0300X05S060	28.5	31.7	81.5	81	0.5	6	1
	8	●	MVS0300X08S030	35.5	35.5	81.5	81	0.5	3	2
	8	●	MVS0300X08S060	35.5	38.7	81.5	81	0.5	6	1
3.1	3	●	MVS0310X03S040	21.6	23.6	76.6	76	0.6	4	2
	3	●	MVS0310X03S060	21.6	24.7	76.6	76	0.6	6	1
	5	●	MVS0310X05S040	32.6	32.6	87.6	87	0.6	4	2
	5	●	MVS0310X05S060	32.6	35.7	87.6	87	0.6	6	1
	8	●	MVS0310X08S040	41.6	41.6	87.6	87	0.6	4	2
	8	●	MVS0310X08S060	41.6	44.7	87.6	87	0.6	6	1
3.2	3	●	MVS0320X03S040	21.6	23.6	76.6	76	0.6	4	2
	3	●	MVS0320X03S060	21.6	24.6	76.6	76	0.6	6	1
	5	●	MVS0320X05S040	32.6	32.6	87.6	87	0.6	4	2
	5	●	MVS0320X05S060	32.6	35.6	87.6	87	0.6	6	1
	8	●	MVS0320X08S040	41.6	41.6	87.6	87	0.6	4	2
	8	●	MVS0320X08S060	41.6	44.6	87.6	87	0.6	6	1
3.3	3	●	MVS0330X03S040	21.6	23.6	76.6	76	0.6	4	2
	3	●	MVS0330X03S060	21.6	24.5	76.6	76	0.6	6	1
	5	●	MVS0330X05S040	32.6	32.6	87.6	87	0.6	4	2
	5	●	MVS0330X05S060	32.6	35.5	87.6	87	0.6	6	1
	8	●	MVS0330X08S040	41.6	41.6	87.6	87	0.6	4	2
	8	●	MVS0330X08S060	41.6	44.5	87.6	87	0.6	6	1
3.4	3	●	MVS0340X03S040	21.6	23.6	76.6	76	0.6	4	2
	3	●	MVS0340X03S060	21.6	24.4	76.6	76	0.6	6	1
	5	●	MVS0340X05S040	32.6	32.6	87.6	87	0.6	4	2
	5	●	MVS0340X05S060	32.6	35.4	87.6	87	0.6	6	1
	8	●	MVS0340X08S040	41.6	41.6	87.6	87	0.6	4	2
	8	●	MVS0340X08S060	41.6	44.4	87.6	87	0.6	6	1
3.5	3	●	MVS0350X03S040	21.6	23.6	76.6	76	0.6	4	2
	3	●	MVS0350X03S060	21.6	24.3	76.6	76	0.6	6	1
	5	●	MVS0350X05S040	32.6	32.6	87.6	87	0.6	4	2
	5	●	MVS0350X05S060	32.6	35.3	87.6	87	0.6	6	1
	8	●	MVS0350X08S040	41.6	41.6	87.6	87	0.6	4	2
	8	●	MVS0350X08S060	41.6	44.3	87.6	87	0.6	6	1

内部冷却型

DC (mm)	钻削孔深 (l/d)	库存 DP1020	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
3.6	3	●	MVS0360X03S040	23.7	23.7	80.7	80	0.7	4	2
	3	●	MVS0360X03S060	23.7	26.3	80.7	80	0.7	6	1
	5	●	MVS0360X05S040	36.7	36.7	92.7	92	0.7	4	2
	5	●	MVS0360X05S060	36.7	39.3	92.7	92	0.7	6	1
	8	●	MVS0360X08S040	46.7	46.7	92.7	92	0.7	4	2
	8	●	MVS0360X08S060	46.7	49.3	92.7	92	0.7	6	1
3.7	3	●	MVS0370X03S040	23.7	23.7	80.7	80	0.7	4	2
	3	●	MVS0370X03S060	23.7	26.2	80.7	80	0.7	6	1
	5	●	MVS0370X05S040	36.7	36.7	92.7	92	0.7	4	2
	5	●	MVS0370X05S060	36.7	39.2	92.7	92	0.7	6	1
	8	●	MVS0370X08S040	46.7	46.7	92.7	92	0.7	4	2
	8	●	MVS0370X08S060	46.7	49.2	92.7	92	0.7	6	1
3.8	3	●	MVS0380X03S040	23.7	23.7	80.7	80	0.7	4	2
	3	●	MVS0380X03S060	23.7	26.1	80.7	80	0.7	6	1
	5	●	MVS0380X05S040	36.7	36.7	92.7	92	0.7	4	2
	5	●	MVS0380X05S060	36.7	39.1	92.7	92	0.7	6	1
	8	●	MVS0380X08S040	46.7	46.7	92.7	92	0.7	4	2
	8	●	MVS0380X08S060	46.7	49.1	92.7	92	0.7	6	1
3.9	3	●	MVS0390X03S040	23.7	23.7	80.7	80	0.7	4	2
	3	●	MVS0390X03S060	23.7	26.0	80.7	80	0.7	6	1
	5	●	MVS0390X05S040	36.7	36.7	92.7	92	0.7	4	2
	5	●	MVS0390X05S060	36.7	39.0	92.7	92	0.7	6	1
	8	●	MVS0390X08S040	46.7	46.7	92.7	92	0.7	4	2
	8	●	MVS0390X08S060	46.7	49.0	92.7	92	0.7	6	1
4.0	3	●	MVS0400X03S040	23.7	23.7	80.7	80	0.7	4	2
	3	●	MVS0400X03S060	23.7	25.8	80.7	80	0.7	6	1
	5	●	MVS0400X05S040	36.7	36.7	92.7	92	0.7	4	2
	5	●	MVS0400X05S060	36.7	38.8	92.7	92	0.7	6	1
	8	●	MVS0400X08S040	46.7	46.7	92.7	92	0.7	4	2
	8	●	MVS0400X08S060	46.7	48.8	92.7	92	0.7	6	1
4.1	3	●	MVS0410X03S050	25.7	25.7	86.7	86	0.7	5	2
	3	●	MVS0410X03S060	25.7	27.7	86.7	86	0.7	6	1
	5	●	MVS0410X05S050	40.7	40.7	100.7	100	0.7	5	2
	5	●	MVS0410X05S060	40.7	42.7	100.7	100	0.7	6	1
	8	●	MVS0410X08S050	52.7	52.7	100.7	100	0.7	5	2
	8	●	MVS0410X08S060	52.7	54.7	100.7	100	0.7	6	1

注 φ6以下钻头的冷却孔为圆形。

●：标准库存品

内部冷却型

DC	钻削孔深 (mm)	库存 (l/d)	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
4.2	3	●	MVS0420X03S050	25.8	25.8	86.8	86	0.8	5	2
	3	●	MVS0420X03S060	25.8	27.7	86.8	86	0.8	6	1
	5	●	MVS0420X05S050	40.8	40.8	100.8	100	0.8	5	2
	5	●	MVS0420X05S060	40.8	42.7	100.8	100	0.8	6	1
	8	●	MVS0420X08S050	52.8	52.8	100.8	100	0.8	5	2
	8	●	MVS0420X08S060	52.8	54.7	100.8	100	0.8	6	1
4.3	3	●	MVS0430X03S050	25.8	25.8	86.8	86	0.8	5	2
	3	●	MVS0430X03S060	25.8	27.6	86.8	86	0.8	6	1
	5	●	MVS0430X05S050	40.8	40.8	100.8	100	0.8	5	2
	5	●	MVS0430X05S060	40.8	42.6	100.8	100	0.8	6	1
	8	●	MVS0430X08S050	52.8	52.8	100.8	100	0.8	5	2
	8	●	MVS0430X08S060	52.8	54.6	100.8	100	0.8	6	1
4.4	3	●	MVS0440X03S050	25.8	25.8	86.8	86	0.8	5	2
	3	●	MVS0440X03S060	25.8	27.5	86.8	86	0.8	6	1
	5	●	MVS0440X05S050	40.8	40.8	100.8	100	0.8	5	2
	5	●	MVS0440X05S060	40.8	42.5	100.8	100	0.8	6	1
	8	●	MVS0440X08S050	52.8	52.8	100.8	100	0.8	5	2
	8	●	MVS0440X08S060	52.8	54.5	100.8	100	0.8	6	1
4.5	3	●	MVS0450X03S050	25.8	25.8	86.8	86	0.8	5	2
	3	●	MVS0450X03S060	25.8	27.4	86.8	86	0.8	6	1
	5	●	MVS0450X05S050	40.8	40.8	100.8	100	0.8	5	2
	5	●	MVS0450X05S060	40.8	42.4	100.8	100	0.8	6	1
	8	●	MVS0450X08S050	52.8	52.8	100.8	100	0.8	5	2
	8	●	MVS0450X08S060	52.8	54.4	100.8	100	0.8	6	1
4.6	3	●	MVS0460X03S050	28.3	28.3	90.8	90	0.8	5	2
	3	●	MVS0460X03S060	28.3	31.3	90.8	90	0.8	6	2
	5	●	MVS0460X05S050	44.8	44.8	105.8	105	0.8	5	2
	5	●	MVS0460X05S060	44.8	47.8	105.8	105	0.8	6	2
	8	●	MVS0460X08S050	57.8	57.8	105.8	105	0.8	5	2
	8	●	MVS0460X08S060	57.8	60.8	105.8	105	0.8	6	2
4.7	3	●	MVS0470X03S050	28.4	28.4	90.9	90	0.9	5	2
	3	●	MVS0470X03S060	28.4	31.4	90.9	90	0.9	6	2
	5	●	MVS0470X05S050	44.9	44.9	105.9	105	0.9	5	2
	5	●	MVS0470X05S060	44.9	47.9	105.9	105	0.9	6	2
	8	●	MVS0470X08S050	57.9	57.9	105.9	105	0.9	5	2
	8	●	MVS0470X08S060	57.9	60.9	105.9	105	0.9	6	2
4.8	3	●	MVS0480X03S050	28.4	28.4	90.9	90	0.9	5	2
	3	●	MVS0480X03S060	28.4	31.4	90.9	90	0.9	6	2
	5	●	MVS0480X05S050	44.9	44.9	105.9	105	0.9	5	2
	5	●	MVS0480X05S060	44.9	47.9	105.9	105	0.9	6	2
	8	●	MVS0480X08S050	57.9	57.9	105.9	105	0.9	5	2
	8	●	MVS0480X08S060	57.9	60.9	105.9	105	0.9	6	2
4.9	3	●	MVS0490X03S050	28.4	28.4	90.9	90	0.9	5	2
	3	●	MVS0490X03S060	28.4	31.4	90.9	90	0.9	6	2
	5	●	MVS0490X05S050	44.9	44.9	105.9	105	0.9	5	2
	5	●	MVS0490X05S060	44.9	47.9	105.9	105	0.9	6	2
	8	●	MVS0490X08S050	57.9	57.9	105.9	105	0.9	5	2
	8	●	MVS0490X08S060	57.9	60.9	105.9	105	0.9	6	2

内部冷却型

DC	钻削孔深 (mm)	库存 (l/d)	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
5.0	3	●	MVS0500X03S050	28.4	28.4	90.9	90	0.9	5	2
	3	●	MVS0500X03S060	28.4	31.4	90.9	90	0.9	6	2
	5	●	MVS0500X05S050	44.9	44.9	105.9	105	0.9	5	2
	5	●	MVS0500X05S060	44.9	47.9	105.9	105	0.9	6	2
	8	●	MVS0500X08S050	57.9	57.9	105.9	105	0.9	5	2
	8	●	MVS0500X08S060	57.9	60.9	105.9	105	0.9	6	2
5.1	3	●	MVS0510X03S060	28.4	30.9	82.9	82	0.9	6	2
	5	●	MVS0510X05S060	44.9	48.9	100.9	100	0.9	6	2
	8	●	MVS0510X08S060	61.9	66.9	118.9	118	0.9	6	2
5.2	3	●	MVS0520X03S060	28.4	30.9	82.9	82	0.9	6	2
	5	●	MVS0520X05S060	44.9	48.9	100.9	100	0.9	6	2
	8	●	MVS0520X08S060	61.9	66.9	118.9	118	0.9	6	2
5.3	3	●	MVS0530X03S060	28.5	31.0	83.0	82	1.0	6	2
	5	●	MVS0530X05S060	45.0	49.0	101.0	100	1.0	6	2
	8	●	MVS0530X08S060	62.0	67.0	119.0	118	1.0	6	2
5.4	3	●	MVS0540X03S060	28.5	31.0	83.0	82	1.0	6	2
	5	●	MVS0540X05S060	45.0	49.0	101.0	100	1.0	6	2
	8	●	MVS0540X08S060	62.0	67.0	119.0	118	1.0	6	2
5.5	3	●	MVS0550X03S060	28.5	31.0	83.0	82	1.0	6	2
	5	●	MVS0550X05S060	45.0	49.0	101.0	100	1.0	6	2
	8	●	MVS0550X08S060	62.0	67.0	119.0	118	1.0	6	2
5.6	3	●	MVS0560X03S060	31.0	31.0	83.0	82	1.0	6	2
	5	●	MVS0560X05S060	49.0	49.0	101.0	100	1.0	6	2
	8	●	MVS0560X08S060	67.0	67.0	119.0	118	1.0	6	2
5.7	3	●	MVS0570X03S060	31.0	31.0	83.0	82	1.0	6	2
	5	●	MVS0570X05S060	49.0	49.0	101.0	100	1.0	6	2
	8	●	MVS0570X08S060	67.0	67.0	119.0	118	1.0	6	2
5.8	3	●	MVS0580X03S060	31.1	31.1	83.1	82	1.1	6	2
	5	●	MVS0580X05S060	49.1	49.1	101.1	100	1.1	6	2
	8	●	MVS0580X08S060	67.1	67.1	119.1	118	1.1	6	2
5.9	3	●	MVS0590X03S060	31.1	31.1	83.1	82	1.1	6	2
	5	●	MVS0590X05S060	49.1	49.1	101.1	100	1.1	6	2
	8	●	MVS0590X08S060	67.1	67.1	119.1	118	1.1	6	2
6.0	3	●	MVS0600X03S060	31.1	31.1	83.1	82	1.1	6	2
	5	●	MVS0600X05S060	49.1	49.1	101.1	100	1.1	6	2
	8	●	MVS0600X08S060	67.1	67.1	119.1	118	1.1	6	2
6.1	3	●	MVS0610X03S070	33.6	36.1	89.1	88	1.1	7	2
	3	●	MVS0610X03S080	33.6	36.1	89.1	88	1.1	8	2
	5	●	MVS0610X05S070	53.1	57.1	110.1	109	1.1	7	2
	5	●	MVS0610X05S080	53.1	57.1	110.1	109	1.1	8	2
	8	●	MVS0610X08S070	73.1	78.1	131.1	130	1.1	7	2
	8	●	MVS0610X08S080	73.1	78.1	131.1	130	1.1	8	2
6.2	3	●	MVS0620X03S070	33.6	36.1	89.1	88	1.1	7	2
	3	●	MVS0620X03S080	33.6	36.1	89.1	88	1.1	8	2
	5	●	MVS0620X05S070	53.1	57.1	110.1	109	1.1	7	2
	5	●	MVS0620X05S080	53.1	57.1	110.1	109	1.1	8	2
	8	●	MVS0620X08S070	73.1	78.1	131.1	130	1.1	7	2
	8	●	MVS0620X08S080	73.1	78.1	131.1	130	1.1	8	2

DC = 加工直径

LCF = 槽长

LH = 颈长

OAL = 全长

LF = 肩部长度

PL = 顶端与肩部的尺寸差

DCON = 安装部直径

内部冷却型

DC	钻削孔深 (mm)	库存 DP1020 (l/d)	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
6.3	3	●	MVS0630X03S070	33.6	36.1	89.1	88	1.1	7	2
	3	●	MVS0630X03S080	33.6	36.1	89.1	88	1.1	8	2
	5	●	MVS0630X05S070	53.1	57.1	110.1	109	1.1	7	2
	5	●	MVS0630X05S080	53.1	57.1	110.1	109	1.1	8	2
	8	●	MVS0630X08S070	73.1	78.1	131.1	130	1.1	7	2
	8	●	MVS0630X08S080	73.1	78.1	131.1	130	1.1	8	2
6.4	3	●	MVS0640X03S070	33.7	36.2	89.2	88	1.2	7	2
	3	●	MVS0640X03S080	33.7	36.2	89.2	88	1.2	8	2
	5	●	MVS0640X05S070	53.2	57.2	110.2	109	1.2	7	2
	5	●	MVS0640X05S080	53.2	57.2	110.2	109	1.2	8	2
	8	●	MVS0640X08S070	73.2	78.2	131.2	130	1.2	7	2
	8	●	MVS0640X08S080	73.2	78.2	131.2	130	1.2	8	2
6.5	3	●	MVS0650X03S070	33.7	36.2	89.2	88	1.2	7	2
	3	●	MVS0650X03S080	33.7	36.2	89.2	88	1.2	8	2
	5	●	MVS0650X05S070	53.2	57.2	110.2	109	1.2	7	2
	5	●	MVS0650X05S080	53.2	57.2	110.2	109	1.2	8	2
	8	●	MVS0650X08S070	73.2	78.2	131.2	130	1.2	7	2
	8	●	MVS0650X08S080	73.2	78.2	131.2	130	1.2	8	2
6.6	3	●	MVS0660X03S070	36.2	36.2	89.2	88	1.2	7	2
	3	●	MVS0660X03S080	36.2	38.2	89.2	88	1.2	8	2
	5	●	MVS0660X05S070	57.2	57.2	110.2	109	1.2	7	2
	5	●	MVS0660X05S080	57.2	59.2	110.2	109	1.2	8	2
	8	●	MVS0660X08S070	78.2	78.2	131.2	130	1.2	7	2
	8	●	MVS0660X08S080	78.2	80.2	131.2	130	1.2	8	2
6.7	3	●	MVS0670X03S070	36.2	36.2	89.2	88	1.2	7	2
	3	●	MVS0670X03S080	36.2	38.2	89.2	88	1.2	8	2
	5	●	MVS0670X05S070	57.2	57.2	110.2	109	1.2	7	2
	5	●	MVS0670X05S080	57.2	59.2	110.2	109	1.2	8	2
	8	●	MVS0670X08S070	78.2	78.2	131.2	130	1.2	7	2
	8	●	MVS0670X08S080	78.2	80.2	131.2	130	1.2	8	2
6.8	3	●	MVS0680X03S070	36.2	36.2	89.2	88	1.2	7	2
	3	●	MVS0680X03S080	36.2	38.2	89.2	88	1.2	8	2
	5	●	MVS0680X05S070	57.2	57.2	110.2	109	1.2	7	2
	5	●	MVS0680X05S080	57.2	59.2	110.2	109	1.2	8	2
	8	●	MVS0680X08S070	78.2	78.2	131.2	130	1.2	7	2
	8	●	MVS0680X08S080	78.2	80.2	131.2	130	1.2	8	2
6.9	3	●	MVS0690X03S070	36.3	36.3	89.3	88	1.3	7	2
	3	●	MVS0690X03S080	36.3	38.3	89.3	88	1.3	8	2
	5	●	MVS0690X05S070	57.3	57.3	110.3	109	1.3	7	2
	5	●	MVS0690X05S080	57.3	59.3	110.3	109	1.3	8	2
	8	●	MVS0690X08S070	78.3	78.3	131.3	130	1.3	7	2
	8	●	MVS0690X08S080	78.3	80.3	131.3	130	1.3	8	2
7.0	3	●	MVS0700X03S070	36.3	36.3	89.3	88	1.3	7	2
	3	●	MVS0700X03S080	36.3	38.3	89.3	88	1.3	8	2
	5	●	MVS0700X05S070	57.3	57.3	110.3	109	1.3	7	2
	5	●	MVS0700X05S080	57.3	59.3	110.3	109	1.3	8	2
	8	●	MVS0700X08S070	78.3	78.3	131.3	130	1.3	7	2
	8	●	MVS0700X08S080	78.3	80.3	131.3	130	1.3	8	2

内部冷却型

DC	钻削孔深 (mm)	库存 DP1020 (l/d)	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
7.1	3	●	MVS0710X03S080	38.8	41.3	95.3	94	1.3	8	2
	5	●	MVS0710X05S080	61.3	65.3	119.3	118	1.3	8	2
	8	●	MVS0710X08S080	84.3	89.3	143.3	142	1.3	8	2
7.2	3	●	MVS0720X03S080	38.8	41.3	95.3	94	1.3	8	2
	5	●	MVS0720X05S080	61.3	65.3	119.3	118	1.3	8	2
	8	●	MVS0720X08S080	84.3	89.3	143.3	142	1.3	8	2
7.3	3	●	MVS0730X03S080	38.8	41.3	95.3	94	1.3	8	2
	5	●	MVS0730X05S080	61.3	65.3	119.3	118	1.3	8	2
	8	●	MVS0730X08S080	84.3	89.3	143.3	142	1.3	8	2
7.4	3	●	MVS0740X03S080	38.8	41.3	95.3	94	1.3	8	2
	5	●	MVS0740X05S080	61.3	65.3	119.3	118	1.3	8	2
	8	●	MVS0740X08S080	84.3	89.3	143.3	142	1.3	8	2
7.5	3	●	MVS0750X03S080	38.9	41.4	95.4	94	1.4	8	2
	5	●	MVS0750X05S080	61.4	65.4	119.4	118	1.4	8	2
	8	●	MVS0750X08S080	84.4	89.4	143.4	142	1.4	8	2
7.6	3	●	MVS0760X03S080	41.4	41.4	95.4	94	1.4	8	2
	5	●	MVS0760X05S080	65.4	65.4	119.4	118	1.4	8	2
	8	●	MVS0760X08S080	89.4	89.4	143.4	142	1.4	8	2
7.7	3	●	MVS0770X03S080	41.4	41.4	95.4	94	1.4	8	2
	5	●	MVS0770X05S080	65.4	65.4	119.4	118	1.4	8	2
	8	●	MVS0770X08S080	89.4	89.4	143.4	142	1.4	8	2
7.8	3	●	MVS0780X03S080	41.4	41.4	95.4	94	1.4	8	2
	5	●	MVS0780X05S080	65.4	65.4	119.4	118	1.4	8	2
	8	●	MVS0780X08S080	89.4	89.4	143.4	142	1.4	8	2
7.9	3	●	MVS0790X03S080	41.4	41.4	95.4	94	1.4	8	2
	5	●	MVS0790X05S080	65.4	65.4	119.4	118	1.4	8	2
	8	●	MVS0790X08S080	89.4	89.4	143.4	142	1.4	8	2
8.0	3	●	MVS0800X03S080	41.5	41.5	95.5	94	1.5	8	2
	5	●	MVS0800X05S080	65.5	65.5	119.5	118	1.5	8	2
	8	●	MVS0800X08S080	89.5	89.5	143.5	142	1.5	8	2
8.1	3	●	MVS0810X03S090	44.0	46.5	101.5	100	1.5	9	2
	3	●	MVS0810X03S100	44.0	46.5	101.5	100	1.5	10	2
	5	●	MVS0810X05S090	69.5	73.5	128.5	127	1.5	9	2
	5	●	MVS0810X05S100	69.5	73.5	128.5	127	1.5	10	2
	8	●	MVS0810X08S090	95.5	100.5	155.5	154	1.5	9	2
	8	●	MVS0810X08S100	95.5	100.5	155.5	154	1.5	10	2
8.2	3	●	MVS0820X03S090	44.0	46.5	101.5	100	1.5	9	2
	3	●	MVS0820X03S100	44.0	46.5	101.5	100	1.5	10	2
	5	●	MVS0820X05S090	69.5	73.5	128.5	127	1.5	9	2
	5	●	MVS0820X05S100	69.5	73.5	128.5	127	1.5	10	2
	8	●	MVS0820X08S090	95.5	100.5	155.5	154	1.5	9	2
	8	●	MVS0820X08S100	95.5	100.5	155.5	154	1.5	10	2
8.3	3	●	MVS0830X03S090	44.0	46.5	101.5	100	1.5	9	2
	3	●	MVS0830X03S100	44.0	46.5	101.5	100	1.5	10	2
	5	●	MVS0830X05S090	69.5	73.5	128.5	127	1.5	9	2
	5	●	MVS0830X05S100	69.5	73.5	128.5	127	1.5	10	2
	8	●	MVS0830X08S090	95.5	100.5	155.5	154	1.5	9	2
	8	●	MVS0830X08S100	95.5	100.5	155.5	154	1.5	10	2

内部冷却型

DC	钻削孔深 (mm)	库存 (l/d)	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
8.4	3	●	MVS0840X03S090	44.0	46.5	101.5	100	1.5	9	2
	3	●	MVS0840X03S100	44.0	46.5	101.5	100	1.5	10	2
	5	●	MVS0840X05S090	69.5	73.5	128.5	127	1.5	9	2
	5	●	MVS0840X05S100	69.5	73.5	128.5	127	1.5	10	2
	8	●	MVS0840X08S090	95.5	100.5	155.5	154	1.5	9	2
	8	●	MVS0840X08S100	95.5	100.5	155.5	154	1.5	10	2
8.5	3	●	MVS0850X03S090	44.0	46.5	101.5	100	1.5	9	2
	3	●	MVS0850X03S100	44.0	46.5	101.5	100	1.5	10	2
	5	●	MVS0850X05S090	69.5	73.5	128.5	127	1.5	9	2
	5	●	MVS0850X05S100	69.5	73.5	128.5	127	1.5	10	2
	8	●	MVS0850X08S090	95.5	100.5	155.5	154	1.5	9	2
	8	●	MVS0850X08S100	95.5	100.5	155.5	154	1.5	10	2
8.6	3	●	MVS0860X03S090	46.6	46.6	101.6	100	1.6	9	2
	3	●	MVS0860X03S100	46.6	48.6	101.6	100	1.6	10	2
	5	●	MVS0860X05S090	73.6	73.6	128.6	127	1.6	9	2
	5	●	MVS0860X05S100	73.6	75.6	128.6	127	1.6	10	2
	8	●	MVS0860X08S090	100.6	100.6	155.6	154	1.6	9	2
	8	●	MVS0860X08S100	100.6	102.6	155.6	154	1.6	10	2
8.7	3	●	MVS0870X03S090	46.6	46.6	101.6	100	1.6	9	2
	3	●	MVS0870X03S100	46.6	48.6	101.6	100	1.6	10	2
	5	●	MVS0870X05S090	73.6	73.6	128.6	127	1.6	9	2
	5	●	MVS0870X05S100	73.6	75.6	128.6	127	1.6	10	2
	8	●	MVS0870X08S090	100.6	100.6	155.6	154	1.6	9	2
	8	●	MVS0870X08S100	100.6	102.6	155.6	154	1.6	10	2
8.8	3	●	MVS0880X03S090	46.6	46.6	101.6	100	1.6	9	2
	3	●	MVS0880X03S100	46.6	48.6	101.6	100	1.6	10	2
	5	●	MVS0880X05S090	73.6	73.6	128.6	127	1.6	9	2
	5	●	MVS0880X05S100	73.6	75.6	128.6	127	1.6	10	2
	8	●	MVS0880X08S090	100.6	100.6	155.6	154	1.6	9	2
	8	●	MVS0880X08S100	100.6	102.6	155.6	154	1.6	10	2
8.9	3	●	MVS0890X03S090	46.6	46.6	101.6	100	1.6	9	2
	3	●	MVS0890X03S100	46.6	48.6	101.6	100	1.6	10	2
	5	●	MVS0890X05S090	73.6	73.6	128.6	127	1.6	9	2
	5	●	MVS0890X05S100	73.6	75.6	128.6	127	1.6	10	2
	8	●	MVS0890X08S090	100.6	100.6	155.6	154	1.6	9	2
	8	●	MVS0890X08S100	100.6	102.6	155.6	154	1.6	10	2
9.0	3	●	MVS0900X03S090	46.6	46.6	101.6	100	1.6	9	2
	3	●	MVS0900X03S100	46.6	48.6	101.6	100	1.6	10	2
	5	●	MVS0900X05S090	73.6	73.6	128.6	127	1.6	9	2
	5	●	MVS0900X05S100	73.6	75.6	128.6	127	1.6	10	2
	8	●	MVS0900X08S090	100.6	100.6	155.6	154	1.6	9	2
	8	●	MVS0900X08S100	100.6	102.6	155.6	154	1.6	10	2
9.1	3	●	MVS0910X03S100	49.2	51.7	107.7	106	1.7	10	2
	5	●	MVS0910X05S100	77.7	81.7	137.7	136	1.7	10	2
	8	●	MVS0910X08S100	106.7	111.7	167.7	166	1.7	10	2
9.2	3	●	MVS0920X03S100	49.2	51.7	107.7	106	1.7	10	2
	5	●	MVS0920X05S100	77.7	81.7	137.7	136	1.7	10	2
	8	●	MVS0920X08S100	106.7	111.7	167.7	166	1.7	10	2

内部冷却型

DC	钻削孔深 (mm)	库存 (l/d)	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
9.3	3	●	MVS0930X03S100	49.2	51.7	107.7	106	1.7	10	2
	5	●	MVS0930X05S100	77.7	81.7	137.7	136	1.7	10	2
	8	●	MVS0930X08S100	106.7	111.7	167.7	166	1.7	10	2
9.4	3	●	MVS0940X03S100	49.2	51.7	107.7	106	1.7	10	2
	5	●	MVS0940X05S100	77.7	81.7	137.7	136	1.7	10	2
	8	●	MVS0940X08S100	106.7	111.7	167.7	166	1.7	10	2
9.5	3	●	MVS0950X03S100	49.2	51.7	107.7	106	1.7	10	2
	5	●	MVS0950X05S100	77.7	81.7	137.7	136	1.7	10	2
	8	●	MVS0950X08S100	106.7	111.7	167.7	166	1.7	10	2
9.6	3	●	MVS0960X03S100	51.7	51.7	107.7	106	1.7	10	2
	5	●	MVS0960X05S100	81.7	81.7	137.7	136	1.7	10	2
	8	●	MVS0960X08S100	111.7	111.7	167.7	166	1.7	10	2
9.7	3	●	MVS0970X03S100	51.8	51.8	107.8	106	1.8	10	2
	5	●	MVS0970X05S100	81.8	81.8	137.8	136	1.8	10	2
	8	●	MVS0970X08S100	111.8	111.8	167.8	166	1.8	10	2
9.8	3	●	MVS0980X03S100	51.8	51.8	107.8	106	1.8	10	2
	5	●	MVS0980X05S100	81.8	81.8	137.8	136	1.8	10	2
	8	●	MVS0980X08S100	111.8	111.8	167.8	166	1.8	10	2
9.9	3	●	MVS0990X03S100	51.8	51.8	107.8	106	1.8	10	2
	5	●	MVS0990X05S100	81.8	81.8	137.8	136	1.8	10	2
	8	●	MVS0990X08S100	111.8	111.8	167.8	166	1.8	10	2
10.0	3	●	MVS1000X03S100	51.8	51.8	107.8	106	1.8	10	2
	5	●	MVS1000X05S100	81.8	81.8	137.8	136	1.8	10	2
	8	●	MVS1000X08S100	111.8	111.8	167.8	166	1.8	10	2
10.1	3	●	MVS1010X03S110	54.3	56.8	117.8	116	1.8	11	2
	3	●	MVS1010X03S120	54.3	56.8	117.8	116	1.8	12	2
	5	●	MVS1010X05S110	85.8	89.8	150.8	149	1.8	11	2
	5	●	MVS1010X05S120	85.8	89.8	150.8	149	1.8	12	2
	8	●	MVS1010X08S110	117.8	122.8	183.8	182	1.8	11	2
	8	●	MVS1010X08S120	117.8	122.8	183.8	182	1.8	12	2
10.2	3	●	MVS1020X03S110	54.4	56.9	117.9	116	1.9	11	2
	3	●	MVS1020X03S120	54.4	56.9	117.9	116	1.9	12	2
	5	●	MVS1020X05S110	85.9	89.9	150.9	149	1.9	11	2
	5	●	MVS1020X05S120	85.9	89.9	150.9	149	1.9	12	2
	8	●	MVS1020X08S110	117.9	122.9	183.9	182	1.9	11	2
	8	●	MVS1020X08S120	117.9	122.9	183.9	182	1.9	12	2
10.3	3	●	MVS1030X03S110	54.4	56.9	117.9	116	1.9	11	2
	3	●	MVS1030X03S120	54.4	56.9	117.9	116	1.9	12	2
	5	●	MVS1030X05S110	85.9	89.9	150.9	149	1.9	11	2
	5	●	MVS1030X05S120	85.9	89.9	150.9	149	1.9	12	2
	8	●	MVS1030X08S110	117.9	122.9	183.9	182	1.9	11	2
	8	●	MVS1030X08S120	117.9	122.9	183.9	182	1.9	12	2
10.4	3	●	MVS1040X03S110	54.4	56.9	117.9	116	1.9	11	2
	3	●	MVS1040X03S120	54.4	56.9	117.9	116	1.9	12	2
	5	●	MVS1040X05S110	85.9	89.9	150.9	149	1.9	11	2
	5	●	MVS1040X05S120	85.9	89.9	150.9	149	1.9	12	2
	8	●	MVS1040X08S110	117.9	122.9	183.9	182	1.9	11	2
	8	●	MVS1040X08S120	117.9	122.9	183.9	182	1.9	12	2

DC = 加工直径

LCF = 槽长

LH = 颈长

OAL = 全长

LF = 肩部长度

PL = 顶端与肩部的尺寸差

DCON = 安装部直径

内部冷却型

DC	钻削孔深 (mm)	库存 DP1020 (l/d)	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
10.5	3	●	MVS1050X03S110	54.4	56.9	117.9	116	1.9	11	2
	3	●	MVS1050X03S120	54.4	56.9	117.9	116	1.9	12	2
	5	●	MVS1050X05S110	85.9	89.9	150.9	149	1.9	11	2
	5	●	MVS1050X05S120	85.9	89.9	150.9	149	1.9	12	2
	8	●	MVS1050X08S110	117.9	122.9	183.9	182	1.9	11	2
	8	●	MVS1050X08S120	117.9	122.9	183.9	182	1.9	12	2
10.6	3	●	MVS1060X03S110	56.9	56.9	117.9	116	1.9	11	2
	3	●	MVS1060X03S120	56.9	57.9	117.9	116	1.9	12	2
	5	●	MVS1060X05S110	89.9	89.9	150.9	149	1.9	11	2
	5	●	MVS1060X05S120	89.9	90.9	150.9	149	1.9	12	2
	8	●	MVS1060X08S110	122.9	122.9	183.9	182	1.9	11	2
	8	●	MVS1060X08S120	122.9	123.9	183.9	182	1.9	12	2
10.7	3	●	MVS1070X03S110	56.9	56.9	117.9	116	1.9	11	2
	3	●	MVS1070X03S120	56.9	57.9	117.9	116	1.9	12	2
	5	●	MVS1070X05S110	89.9	89.9	150.9	149	1.9	11	2
	5	●	MVS1070X05S120	89.9	90.9	150.9	149	1.9	12	2
	8	●	MVS1070X08S110	122.9	122.9	183.9	182	1.9	11	2
	8	●	MVS1070X08S120	122.9	123.9	183.9	182	1.9	12	2
10.8	3	●	MVS1080X03S110	57.0	57.0	118.0	116	2.0	11	2
	3	●	MVS1080X03S120	57.0	58.0	118.0	116	2.0	12	2
	5	●	MVS1080X05S110	90.0	90.0	151.0	149	2.0	11	2
	5	●	MVS1080X05S120	90.0	91.0	151.0	149	2.0	12	2
	8	●	MVS1080X08S110	123.0	123.0	184.0	182	2.0	11	2
	8	●	MVS1080X08S120	123.0	124.0	184.0	182	2.0	12	2
10.9	3	●	MVS1090X03S110	57.0	57.0	118.0	116	2.0	11	2
	3	●	MVS1090X03S120	57.0	58.0	118.0	116	2.0	12	2
	5	●	MVS1090X05S110	90.0	90.0	151.0	149	2.0	11	2
	5	●	MVS1090X05S120	90.0	91.0	151.0	149	2.0	12	2
	8	●	MVS1090X08S110	123.0	123.0	184.0	182	2.0	11	2
	8	●	MVS1090X08S120	123.0	124.0	184.0	182	2.0	12	2
11.0	3	●	MVS1100X03S110	57.0	57.0	118.0	116	2.0	11	2
	3	●	MVS1100X03S120	57.0	58.0	118.0	116	2.0	12	2
	5	●	MVS1100X05S110	90.0	90.0	151.0	149	2.0	11	2
	5	●	MVS1100X05S120	90.0	91.0	151.0	149	2.0	12	2
	8	●	MVS1100X08S110	123.0	123.0	184.0	182	2.0	11	2
	8	●	MVS1100X08S120	123.0	124.0	184.0	182	2.0	12	2
11.1	3	●	MVS1110X03S120	59.5	62.0	124.0	122	2.0	12	2
	5	●	MVS1110X05S120	94.0	98.0	160.0	158	2.0	12	2
	8	●	MVS1110X08S120	129.0	134.0	196.0	194	2.0	12	2
11.2	3	●	MVS1120X03S120	59.5	62.0	124.0	122	2.0	12	2
	5	●	MVS1120X05S120	94.0	98.0	160.0	158	2.0	12	2
	8	●	MVS1120X08S120	129.0	134.0	196.0	194	2.0	12	2
11.3	3	●	MVS1130X03S120	59.6	62.1	124.1	122	2.1	12	2
	5	●	MVS1130X05S120	94.1	98.1	160.1	158	2.1	12	2
	8	●	MVS1130X08S120	129.1	134.1	196.1	194	2.1	12	2
11.4	3	●	MVS1140X03S120	59.6	62.1	124.1	122	2.1	12	2
	5	●	MVS1140X05S120	94.1	98.1	160.1	158	2.1	12	2
	8	●	MVS1140X08S120	129.1	134.1	196.1	194	2.1	12	2

内部冷却型

DC	钻削孔深 (mm)	库存 DP1020 (l/d)	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
11.5	3	●	MVS1150X03S120	59.6	62.1	124.1	122	2.1	12	2
	5	●	MVS1150X05S120	94.1	98.1	160.1	158	2.1	12	2
	8	●	MVS1150X08S120	129.1	134.1	196.1	194	2.1	12	2
11.6	3	●	MVS1160X03S120	62.1	62.1	124.1	122	2.1	12	2
	5	●	MVS1160X05S120	98.1	98.1	160.1	158	2.1	12	2
	8	●	MVS1160X08S120	134.1	134.1	196.1	194	2.1	12	2
11.7	3	●	MVS1170X03S120	62.1	62.1	124.1	122	2.1	12	2
	5	●	MVS1170X05S120	98.1	98.1	160.1	158	2.1	12	2
	8	●	MVS1170X08S120	134.1	134.1	196.1	194	2.1	12	2
11.8	3	●	MVS1180X03S120	62.1	62.1	124.1	122	2.1	12	2
	5	●	MVS1180X05S120	98.1	98.1	160.1	158	2.1	12	2
	8	●	MVS1180X08S120	134.1	134.1	196.1	194	2.1	12	2
11.9	3	●	MVS1190X03S120	62.2	62.2	124.2	122	2.2	12	2
	5	●	MVS1190X05S120	98.2	98.2	160.2	158	2.2	12	2
	8	●	MVS1190X08S120	134.2	134.2	196.2	194	2.2	12	2
12.0	3	●	MVS1200X03S120	62.2	62.2	124.2	122	2.2	12	2
	5	●	MVS1200X05S120	98.2	98.2	160.2	158	2.2	12	2
	8	●	MVS1200X08S120	134.2	134.2	196.2	194	2.2	12	2
12.1	3	●	MVS1210X03S130	64.7	67.2	130.2	128	2.2	13	2
	3	□	MVS1210X03S140	64.7	67.2	130.2	128	2.2	14	2
	5	●	MVS1210X05S130	102.2	106.2	169.2	167	2.2	13	2
	5	□	MVS1210X05S140	102.2	106.2	169.2	167	2.2	14	2
	8	□	MVS1210X08S130	140.2	145.2	208.2	206	2.2	13	2
	8	□	MVS1210X08S140	140.2	145.2	208.2	206	2.2	14	2
12.2	3	●	MVS1220X03S130	64.7	67.2	130.2	128	2.2	13	2
	3	□	MVS1220X03S140	64.7	67.2	130.2	128	2.2	14	2
	5	●	MVS1220X05S130	102.2	106.2	169.2	167	2.2	13	2
	5	□	MVS1220X05S140	102.2	106.2	169.2	167	2.2	14	2
	8	□	MVS1220X08S130	140.2	145.2	208.2	206	2.2	13	2
	8	□	MVS1220X08S140	140.2	145.2	208.2	206	2.2	14	2
12.3	3	●	MVS1230X03S130	64.7	67.2	130.2	128	2.2	13	2
	3	□	MVS1230X03S140	64.7	67.2	130.2	128	2.2	14	2
	5	●	MVS1230X05S130	102.2	106.2	169.2	167	2.2	13	2
	5	□	MVS1230X05S140	102.2	106.2	169.2	167	2.2	14	2
	8	□	MVS1230X08S130	140.2	145.2	208.2	206	2.2	13	2
	8	□	MVS1230X08S140	140.2	145.2	208.2	206	2.2	14	2
12.4	3	●	MVS1240X03S130	64.8	67.3	130.3	128	2.3	13	2
	3	□	MVS1240X03S140	64.8	67.3	130.3	128	2.3	14	2
	5	●	MVS1240X05S130	102.3	106.3	169.3	167	2.3	13	2
	5	□	MVS1240X05S140	102.3	106.3	169.3	167	2.3	14	2
	8	□	MVS1240X08S130	140.3	145.3	208.3	206	2.3	13	2
	8	□	MVS1240X08S140	140.3	145.3	208.3	206	2.3	14	2
12.5	3	●	MVS1250X03S130	64.8	67.3	130.3	128	2.3	13	2
	3	□	MVS1250X03S140	64.8	67.3	130.3	128	2.3	14	2
	5	●	MVS1250X05S130	102.3	106.3	169.3	167	2.3	13	2
	5	□	MVS1250X05S140	102.3	106.3	169.3	167	2.3	14	2
	8	●	MVS1250X08S130	140.3	145.3	208.3	206	2.3	13	2
	8	□	MVS1250X08S140	140.3	145.3	208.3	206	2.3	14	2

内部冷却型

DC	钻削孔深 (mm)	库存 DP1020 (l/d)	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
12.6	3	●	MVS1260X03S130	67.3	67.3	130.3	128	2.3	13	2
	3	□	MVS1260X03S140	67.3	67.3	130.3	128	2.3	14	2
	5	●	MVS1260X05S130	106.3	106.3	169.3	167	2.3	13	2
	5	□	MVS1260X05S140	106.3	106.3	169.3	167	2.3	14	2
	8	□	MVS1260X08S130	145.3	145.3	208.3	206	2.3	13	2
	8	□	MVS1260X08S140	145.3	145.3	208.3	206	2.3	14	2
12.7	3	●	MVS1270X03S130	67.3	67.3	130.3	128	2.3	13	2
	3	□	MVS1270X03S140	67.3	67.3	130.3	128	2.3	14	2
	5	●	MVS1270X05S130	106.3	106.3	169.3	167	2.3	13	2
	5	□	MVS1270X05S140	106.3	106.3	169.3	167	2.3	14	2
	8	□	MVS1270X08S130	145.3	145.3	208.3	206	2.3	13	2
	8	□	MVS1270X08S140	145.3	145.3	208.3	206	2.3	14	2
12.8	3	●	MVS1280X03S130	67.3	67.3	130.3	128	2.3	13	2
	3	□	MVS1280X03S140	67.3	67.3	130.3	128	2.3	14	2
	5	●	MVS1280X05S130	106.3	106.3	169.3	167	2.3	13	2
	5	□	MVS1280X05S140	106.3	106.3	169.3	167	2.3	14	2
	8	□	MVS1280X08S130	145.3	145.3	208.3	206	2.3	13	2
	8	□	MVS1280X08S140	145.3	145.3	208.3	206	2.3	14	2
12.9	3	●	MVS1290X03S130	67.3	67.3	130.3	128	2.3	13	2
	3	□	MVS1290X03S140	67.3	67.3	130.3	128	2.3	14	2
	5	●	MVS1290X05S130	106.3	106.3	169.3	167	2.3	13	2
	5	□	MVS1290X05S140	106.3	106.3	169.3	167	2.3	14	2
	8	□	MVS1290X08S130	145.3	145.3	208.3	206	2.3	13	2
	8	□	MVS1290X08S140	145.3	145.3	208.3	206	2.3	14	2
13.0	3	●	MVS1300X03S130	67.4	67.4	130.4	128	2.4	13	2
	3	□	MVS1300X03S140	67.4	67.4	130.4	128	2.4	14	2
	5	●	MVS1300X05S130	106.4	106.4	169.4	167	2.4	13	2
	5	□	MVS1300X05S140	106.4	106.4	169.4	167	2.4	14	2
	8	●	MVS1300X08S130	145.4	145.4	208.4	206	2.4	13	2
	8	□	MVS1300X08S140	145.4	145.4	208.4	206	2.4	14	2
13.1	3	●	MVS1310X03S140	69.9	72.4	136.4	134	2.4	14	2
	5	●	MVS1310X05S140	110.4	114.4	178.4	176	2.4	14	2
	8	□	MVS1310X08S140	151.4	156.4	220.4	218	2.4	14	2
13.2	3	●	MVS1320X03S140	69.9	72.4	136.4	134	2.4	14	2
	5	●	MVS1320X05S140	110.4	114.4	178.4	176	2.4	14	2
	8	□	MVS1320X08S140	151.4	156.4	220.4	218	2.4	14	2
13.3	3	●	MVS1330X03S140	69.9	72.4	136.4	134	2.4	14	2
	5	●	MVS1330X05S140	110.4	114.4	178.4	176	2.4	14	2
	8	□	MVS1330X08S140	151.4	156.4	220.4	218	2.4	14	2
13.4	3	●	MVS1340X03S140	69.9	72.4	136.4	134	2.4	14	2
	5	●	MVS1340X05S140	110.4	114.4	178.4	176	2.4	14	2
	8	□	MVS1340X08S140	151.4	156.4	220.4	218	2.4	14	2
13.5	3	●	MVS1350X03S140	70.0	72.5	136.5	134	2.5	14	2
	5	●	MVS1350X05S140	110.5	114.5	178.5	176	2.5	14	2
	8	●	MVS1350X08S140	151.5	156.5	220.5	218	2.5	14	2
13.6	3	●	MVS1360X03S140	72.5	72.5	136.5	134	2.5	14	2
	5	●	MVS1360X05S140	114.5	114.5	178.5	176	2.5	14	2
	8	□	MVS1360X08S140	156.5	156.5	220.5	218	2.5	14	2

内部冷却型

DC	钻削孔深 (mm)	库存 DP1020 (l/d)	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
13.7	3	●	MVS1370X03S140	72.5	72.5	136.5	134	2.5	14	2
	5	●	MVS1370X05S140	114.5	114.5	178.5	176	2.5	14	2
	8	□	MVS1370X08S140	156.5	156.5	220.5	218	2.5	14	2
13.8	3	●	MVS1380X03S140	72.5	72.5	136.5	134	2.5	14	22
	5	●	MVS1380X05S140	114.5	114.5	178.5	176	2.5	14	2
	8	□	MVS1380X08S140	156.5	156.5	220.5	218	2.5	14	2
13.9	3	●	MVS1390X03S140	72.5	72.5	136.5	134	2.5	14	2
	5	●	MVS1390X05S140	114.5	114.5	178.5	176	2.5	14	2
	8	□	MVS1390X08S140	156.5	156.5	220.5	218	2.5	14	2
14.0	3	●	MVS1400X03S140	72.5	72.5	136.5	134	2.5	14	2
	5	●	MVS1400X05S140	114.5	114.5	178.5	176	2.5	14	2
	8	●	MVS1400X08S140	156.5	156.5	220.5	218	2.5	14	2
14.1	3	●	MVS1410X03S150	75.1	77.6	142.6	140	2.6	15	2
	3	□	MVS1410X03S160	75.1	77.6	142.6	140	2.6	16	2
	5	●	MVS1410X05S150	118.6	122.6	187.6	185	2.6	15	2
	5	□	MVS1410X05S160	118.6	122.6	187.6	185	2.6	16	2
	8	□	MVS1410X08S150	162.6	167.6	227.6	225	2.6	15	2
	8	□	MVS1410X08S160	162.6	167.6	227.6	225	2.6	16	2
14.2	3	●	MVS1420X03S150	75.1	77.6	142.6	140	2.6	15	2
	3	□	MVS1420X03S160	75.1	77.6	142.6	140	2.6	16	2
	5	●	MVS1420X05S150	118.6	122.6	187.6	185	2.6	15	2
	5	□	MVS1420X05S160	118.6	122.6	187.6	185	2.6	16	2
	8	●	MVS1420X08S150	162.6	167.6	227.6	225	2.6	15	2
	8	□	MVS1420X08S160	162.6	167.6	227.6	225	2.6	16	2
14.3	3	●	MVS1430X03S150	75.1	77.6	142.6	140	2.6	15	2
	3	□	MVS1430X03S160	75.1	77.6	142.6	140	2.6	16	2
	5	●	MVS1430X05S150	118.6	122.6	187.6	185	2.6	15	2
	5	□	MVS1430X05S160	118.6	122.6	187.6	185	2.6	16	2
	8	□	MVS1430X08S150	162.6	167.6	227.6	225	2.6	15	2
	8	□	MVS1430X08S160	162.6	167.6	227.6	225	2.6	16	2
14.4	3	●	MVS1440X03S150	75.1	77.6	142.6	140	2.6	15	2
	3	□	MVS1440X03S160	75.1	77.6	142.6	140	2.6	16	2
	5	●	MVS1440X05S150	118.6	122.6	187.6	185	2.6	15	2
	5	□	MVS1440X05S160	118.6	122.6	187.6	185	2.6	16	2
	8	□	MVS1440X08S150	162.6	167.6	227.6	225	2.6	15	2
	8	□	MVS1440X08S160	162.6	167.6	227.6	225	2.6	16	2
14.5	3	●	MVS1450X03S150	75.1	77.6	142.6	140	2.6	15	2
	3	□	MVS1450X03S160	75.1	77.6	142.6	140	2.6	16	2
	5	●	MVS1450X05S150	118.6	122.6	187.6	185	2.6	15	2
	5	□	MVS1450X05S160	118.6	122.6	187.6	185	2.6	16	2
	8	●	MVS1450X08S150	162.6	167.6	227.6	225	2.6	15	2
	8	□	MVS1450X08S160	162.6	167.6	227.6	225	2.6	16	2
14.6	3	●	MVS1460X03S150	77.7	77.7	142.7	140	2.7	15	2
	3	□	MVS1460X03S160	77.7	77.7	142.7	140	2.7	16	2
	5	●	MVS1460X05S150	122.7	122.7	187.7	185	2.7	15	2
	5	□	MVS1460X05S160	122.7	122.7	187.7	185	2.7	16	2
	8	□	MVS1460X08S150	167.7	167.7	227.7	225	2.7	15	2
	8	□	MVS1460X08S160	167.7	167.7	227.7	225	2.7	16	2

DC = 加工直径

LCF = 槽长

LH = 颈长

OAL = 全长

LF = 肩部长度

PL = 顶端与肩部的尺寸差

DCON = 安装部直径

通用整体硬质合金钻头



内部冷却型

DC	钻削孔深 (mm)	库存 DP1020 (l/d)	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
14.7	3	●	MVS1470X03S150	77.7	77.7	142.7	140	2.7	15	2
	3	□	MVS1470X03S160	77.7	77.7	142.7	140	2.7	16	2
	5	●	MVS1470X05S150	122.7	122.7	187.7	185	2.7	15	2
	5	□	MVS1470X05S160	122.7	122.7	187.7	185	2.7	16	2
	8	□	MVS1470X08S150	167.7	167.7	227.7	225	2.7	15	2
	8	□	MVS1470X08S160	167.7	167.7	227.7	225	2.7	16	2
14.8	3	●	MVS1480X03S150	77.7	77.7	142.7	140	2.7	15	2
	3	□	MVS1480X03S160	77.7	77.7	142.7	140	2.7	16	2
	5	●	MVS1480X05S150	122.7	122.7	187.7	185	2.7	15	2
	5	□	MVS1480X05S160	122.7	122.7	187.7	185	2.7	16	2
	8	□	MVS1480X08S150	167.7	167.7	227.7	225	2.7	15	2
	8	□	MVS1480X08S160	167.7	167.7	227.7	225	2.7	16	2
14.9	3	●	MVS1490X03S150	77.7	77.7	142.7	140	2.7	15	2
	3	□	MVS1490X03S160	77.7	77.7	142.7	140	2.7	16	2
	5	●	MVS1490X05S150	122.7	122.7	187.7	185	2.7	15	2
	5	□	MVS1490X05S160	122.7	122.7	187.7	185	2.7	16	2
	8	□	MVS1490X08S150	167.7	167.7	227.7	225	2.7	15	2
	8	□	MVS1490X08S160	167.7	167.7	227.7	225	2.7	16	2
15.0	3	●	MVS1500X03S150	77.7	77.7	142.7	140	2.7	15	2
	3	□	MVS1500X03S160	77.7	77.7	142.7	140	2.7	16	2
	5	●	MVS1500X05S150	122.7	122.7	187.7	185	2.7	15	2
	5	□	MVS1500X05S160	122.7	122.7	187.7	185	2.7	16	2
	8	●	MVS1500X08S150	167.7	167.7	227.7	225	2.7	15	2
	8	□	MVS1500X08S160	167.7	167.7	227.7	225	2.7	16	2
15.1	3	●	MVS1510X03S160	80.2	82.7	147.7	145	2.7	16	2
	5	●	MVS1510X05S160	126.7	130.7	195.7	193	2.7	16	2
	8	□	MVS1510X08S160	173.7	183.7	243.7	241	2.7	16	2
15.2	3	●	MVS1520X03S160	80.3	82.8	147.8	145	2.8	16	2
	5	●	MVS1520X05S160	126.8	130.8	195.8	193	2.8	16	2
	8	□	MVS1520X08S160	173.8	183.8	243.8	241	2.8	16	2
15.3	3	●	MVS1530X03S160	80.3	82.8	147.8	145	2.8	16	2
	5	●	MVS1530X05S160	126.8	130.8	195.8	193	2.8	16	2
	8	□	MVS1530X08S160	173.8	183.8	243.8	241	2.8	16	2
15.4	3	●	MVS1540X03S160	80.3	82.8	147.8	145	2.8	16	2
	5	●	MVS1540X05S160	126.8	130.8	195.8	193	2.8	16	2
	8	□	MVS1540X08S160	173.8	183.8	243.8	241	2.8	16	2
15.5	3	●	MVS1550X03S160	80.3	82.8	147.8	145	2.8	16	2
	5	●	MVS1550X05S160	126.8	130.8	195.8	193	2.8	16	2
	8	●	MVS1550X08S160	173.8	183.8	243.8	241	2.8	16	2
15.6	3	●	MVS1560X03S160	82.8	82.8	147.8	145	2.8	16	2
	5	●	MVS1560X05S160	130.8	130.8	195.8	193	2.8	16	2
	8	□	MVS1560X08S160	178.8	183.8	243.8	241	2.8	16	2
15.7	3	●	MVS1570X03S160	82.9	82.9	147.9	145	2.9	16	2
	5	●	MVS1570X05S160	130.9	130.9	195.9	193	2.9	16	2
	8	□	MVS1570X08S160	178.9	183.9	243.9	241	2.9	16	2
15.8	3	●	MVS1580X03S160	82.9	82.9	147.9	145	2.9	16	2
	5	●	MVS1580X05S160	130.9	130.9	195.9	193	2.9	16	2
	8	□	MVS1580X08S160	178.9	183.9	243.9	241	2.9	16	2

内部冷却型

DC	钻削孔深 (mm)	库存 DP1020 (l/d)	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
15.9	3	●	MVS1590X03S160	82.9	82.9	147.9	145	2.9	16	2
	5	●	MVS1590X05S160	130.9	130.9	195.9	193	2.9	16	2
	8	□	MVS1590X08S160	178.9	183.9	243.9	241	2.9	16	2
16.0	3	●	MVS1600X03S160	82.9	82.9	147.9	145	2.9	16	2
	5	●	MVS1600X05S160	130.9	130.9	195.9	193	2.9	16	2
	8	●	MVS1600X08S160	178.9	183.9	243.9	241	2.9	16	2
16.1	3	□	MVS1610X03S170	85.4	87.9	152.9	150	2.9	17	2
	3	□	MVS1610X03S180	85.4	87.9	152.9	150	2.9	18	2
	5	□	MVS1610X05S170	134.9	138.9	203.9	201	2.9	17	2
	5	□	MVS1610X05S180	134.9	138.9	203.9	201	2.9	18	2
16.2	3	□	MVS1620X03S170	85.4	87.9	152.9	150	2.9	17	2
	3	□	MVS1620X03S180	85.4	87.9	152.9	150	2.9	18	2
	5	□	MVS1620X05S170	134.9	138.9	203.9	201	2.9	17	2
16.3	3	□	MVS1630X03S170	85.5	88.0	153.0	150	3.0	17	2
	3	□	MVS1630X03S180	85.5	88.0	153.0	150	3.0	18	2
	5	□	MVS1630X05S170	135.0	139.0	204.0	201	3.0	17	2
16.4	3	□	MVS1640X03S170	85.5	88.0	153.0	150	3.0	17	2
	3	□	MVS1640X03S180	85.5	88.0	153.0	150	3.0	18	2
	5	□	MVS1640X05S170	135.0	139.0	204.0	201	3.0	17	2
16.5	3	●	MVS1650X03S170	85.5	88.0	153.0	150	3.0	17	2
	3	□	MVS1650X03S180	85.5	88.0	153.0	150	3.0	18	2
	5	●	MVS1650X05S170	135.0	139.0	204.0	201	3.0	17	2
16.6	3	□	MVS1660X03S170	88.0	88.0	153.0	150	3.0	17	2
	3	□	MVS1660X03S180	88.0	88.0	153.0	150	3.0	18	2
	5	□	MVS1660X05S170	139.0	139.0	204.0	201	3.0	17	2
16.7	3	□	MVS1670X03S170	88.0	88.0	153.0	150	3.0	17	2
	3	□	MVS1670X03S180	88.0	88.0	153.0	150	3.0	18	2
	5	□	MVS1670X05S170	139.0	139.0	204.0	201	3.0	17	2
16.8	3	□	MVS1680X03S170	88.1	88.1	153.1	150	3.1	17	2
	3	□	MVS1680X03S180	88.1	88.1	153.1	150	3.1	18	2
	5	□	MVS1680X05S170	139.1	139.1	204.1	201	3.1	17	2
16.9	3	□	MVS1690X03S170	88.1	88.1	153.1	150	3.1	17	2
	3	□	MVS1690X03S180	88.1	88.1	153.1	150	3.1	18	2
	5	□	MVS1690X05S170	139.1	139.1	204.1	201	3.1	17	2
17.0	3	●	MVS1700X03S170	88.1	88.1	153.1	150	3.1	17	2
	3	□	MVS1700X03S180	88.1	88.1	153.1	150	3.1	18	2
	5	●	MVS1700X05S170	139.1	139.1	204.1	201	3.1	17	2
17.1	5	□	MVS1700X05S180	139.1	139.1	204.1	201	3.1	18	2
	3	□	MVS1710X03S180	90.6	93.1	158.1	155	3.1	18	2
17.1	5	□	MVS1710X05S180	143.1	147.1	212.1	209	3.1	18	2

● : 标准库存品 □ : 预订生产产品

内部冷却型

DC	钻削孔深 (mm)	库存 DP1020 (l/d)	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
17.2	3	□	MVS1720X03S180	90.6	93.1	158.1	155	3.1	18	2
	5	□	MVS1720X05S180	143.1	147.1	212.1	209	3.1	18	2
17.3	3	□	MVS1730X03S180	90.6	93.1	158.1	155	3.1	18	2
	5	□	MVS1730X05S180	143.1	147.1	212.1	209	3.1	18	2
17.4	3	□	MVS1740X03S180	90.7	93.2	158.2	155	3.2	18	2
	5	□	MVS1740X05S180	143.2	147.2	212.2	209	3.2	18	2
17.5	3	●	MVS1750X03S180	90.7	93.2	158.2	155	3.2	18	2
	5	●	MVS1750X05S180	143.2	147.2	212.2	209	3.2	18	2
17.6	3	□	MVS1760X03S180	93.2	93.2	158.2	155	3.2	18	2
	5	□	MVS1760X05S180	147.2	147.2	212.2	209	3.2	18	2
17.7	3	□	MVS1770X03S180	93.2	93.2	158.2	155	3.2	18	2
	5	□	MVS1770X05S180	147.2	147.2	212.2	209	3.2	18	2
17.8	3	□	MVS1780X03S180	93.2	93.2	158.2	155	3.2	18	2
	5	□	MVS1780X05S180	147.2	147.2	212.2	209	3.2	18	2
17.9	3	□	MVS1790X03S180	93.3	93.3	158.3	155	3.3	18	2
	5	□	MVS1790X05S180	147.3	147.3	212.3	209	3.3	18	2
18.0	3	●	MVS1800X03S180	93.3	93.3	158.3	155	3.3	18	2
	5	●	MVS1800X05S180	147.3	147.3	212.3	209	3.3	18	2
18.1	3	□	MVS1810X03S190	95.8	98.3	163.3	160	3.3	19	2
	3	□	MVS1810X03S200	95.8	98.3	163.3	160	3.3	20	2
	5	□	MVS1810X05S190	151.3	155.3	220.3	217	3.3	19	2
	5	□	MVS1810X05S200	151.3	155.3	220.3	217	3.3	20	2
18.2	3	□	MVS1820X03S190	95.8	98.3	163.3	160	3.3	19	2
	3	□	MVS1820X03S200	95.8	98.3	163.3	160	3.3	20	2
	5	□	MVS1820X05S190	151.3	155.3	220.3	217	3.3	19	2
	5	□	MVS1820X05S200	151.3	155.3	220.3	217	3.3	20	2
18.3	3	□	MVS1830X03S190	95.8	98.3	163.3	160	3.3	19	2
	3	□	MVS1830X03S200	95.8	98.3	163.3	160	3.3	20	2
	5	□	MVS1830X05S190	151.3	155.3	220.3	217	3.3	19	2
	5	□	MVS1830X05S200	151.3	155.3	220.3	217	3.3	20	2
18.4	3	□	MVS1840X03S190	95.8	98.3	163.3	160	3.3	19	2
	3	□	MVS1840X03S200	95.8	98.3	163.3	160	3.3	20	2
	5	□	MVS1840X05S190	151.3	155.3	220.3	217	3.3	19	2
	5	□	MVS1840X05S200	151.3	155.3	220.3	217	3.3	20	2
18.5	3	●	MVS1850X03S190	95.9	98.4	163.4	160	3.4	19	2
	3	□	MVS1850X03S200	95.9	98.4	163.4	160	3.4	20	2
	5	●	MVS1850X05S190	151.4	155.4	220.4	217	3.4	19	2
	5	□	MVS1850X05S200	151.4	155.4	220.4	217	3.4	20	2
18.6	3	□	MVS1860X03S190	98.4	98.4	163.4	160	3.4	19	2
	3	□	MVS1860X03S200	98.4	98.4	163.4	160	3.4	20	2
	5	□	MVS1860X05S190	155.4	155.4	220.4	217	3.4	19	2
	5	□	MVS1860X05S200	155.4	155.4	220.4	217	3.4	20	2
18.7	3	□	MVS1870X03S190	98.4	98.4	163.4	160	3.4	19	2
	3	□	MVS1870X03S200	98.4	98.4	163.4	160	3.4	20	2
	5	□	MVS1870X05S190	155.4	155.4	220.4	217	3.4	19	2
	5	□	MVS1870X05S200	155.4	155.4	220.4	217	3.4	20	2

内部冷却型

DC	钻削孔深 (mm)	库存 DP1020 (l/d)	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
18.8	3	□	MVS1880X03S190	98.4	98.4	163.4	160	3.4	19	2
	3	□	MVS1880X03S200	98.4	98.4	163.4	160	3.4	20	2
	5	□	MVS1880X05S190	155.4	155.4	220.4	217	3.4	19	2
	5	□	MVS1880X05S200	155.4	155.4	220.4	217	3.4	20	2
18.9	3	□	MVS1890X03S190	98.4	98.4	163.4	160	3.4	19	2
	3	□	MVS1890X03S200	98.4	98.4	163.4	160	3.4	20	2
	5	□	MVS1890X05S190	155.4	155.4	220.4	217	3.4	19	2
	5	□	MVS1890X05S200	155.4	155.4	220.4	217	3.4	20	2
19.0	3	●	MVS1900X03S190	98.5	98.5	163.5	160	3.5	19	2
	3	□	MVS1900X03S200	98.5	98.5	163.5	160	3.5	20	2
	5	●	MVS1900X05S190	155.5	155.5	220.5	217	3.5	19	2
	5	□	MVS1900X05S200	155.5	155.5	220.5	217	3.5	20	2
19.1	3	□	MVS1910X03S200	101.0	103.5	168.5	165	3.5	20	2
	5	□	MVS1910X05S200	159.5	163.5	228.5	225	3.5	20	2
19.2	3	□	MVS1920X03S200	101.0	103.5	168.5	165	3.5	20	2
	5	□	MVS1920X05S200	159.5	163.5	228.5	225	3.5	20	2
19.3	3	□	MVS1930X03S200	101.0	103.5	168.5	165	3.5	20	2
	5	□	MVS1930X05S200	159.5	163.5	228.5	225	3.5	20	2
19.4	3	□	MVS1940X03S200	101.0	103.5	168.5	165	3.5	20	2
	5	□	MVS1940X05S200	159.5	163.5	228.5	225	3.5	20	2
19.5	3	●	MVS1950X03S200	101.0	103.5	168.5	165	3.5	20	2
	5	●	MVS1950X05S200	159.5	163.5	228.5	225	3.5	20	2
19.6	3	□	MVS1960X03S200	103.6	103.6	168.6	165	3.6	20	2
	5	□	MVS1960X05S200	163.6	163.6	228.6	225	3.6	20	2
19.7	3	□	MVS1970X03S200	103.6	103.6	168.6	165	3.6	20	2
	5	□	MVS1970X05S200	163.6	163.6	228.6	225	3.6	20	2
19.8	3	□	MVS1980X03S200	103.6	103.6	168.6	165	3.6	20	2
	5	□	MVS1980X05S200	163.6	163.6	228.6	225	3.6	20	2
19.9	3	□	MVS1990X03S200	103.6	103.6	168.6	165	3.6	20	2
	5	□	MVS1990X05S200	163.6	163.6	228.6	225	3.6	20	2
20.0	3	●	MVS2000X03S200	103.6	103.6	168.6	165	3.6	20	2
	5	●	MVS2000X05S200	163.6	163.6	228.6	225	3.6	20	2

DC = 加工直径

LCF = 槽长

LH = 颈长

OAL = 全长

LF = 肩部长度

PL = 顶端与肩部的尺寸差

DCON = 安装部直径

推荐切削条件

工件材料		软钢 (≤HB180)		碳钢、合金钢 (HB180—280)		碳钢、合金钢 (HB280—350)	
		SS400、S10C等		S45C、SCM440等		SNCM439等	
钻头直径 DC (mm)	L/D	转速 (min ⁻¹)	每转进给量 (Min.—Max.) (mm/rev)	转速 (min ⁻¹)	每转进给量 (Min.—Max.) (mm/rev)	转速 (min ⁻¹)	每转进给量 (Min.—Max.) (mm/rev)
1.0	S*,7DC	15900	0.04 (0.02—0.05)	15900	0.04 (0.02—0.05)	12700	0.04 (0.02—0.05)
	≥12DC	15900	0.02 (0.01—0.03)	12700	0.02 (0.01—0.03)	9500	0.02 (0.01—0.03)
1.5	S*,7DC	10600	0.05 (0.03—0.08)	10600	0.05 (0.03—0.08)	8400	0.05 (0.03—0.08)
	≥12DC	10600	0.05 (0.02—0.08)	8400	0.05 (0.03—0.08)	6300	0.05 (0.02—0.08)
2.0	S*,7DC	7900	0.07 (0.04—0.10)	7900	0.07 (0.04—0.10)	6300	0.07 (0.04—0.10)
	≥12DC	7900	0.07 (0.04—0.10)	7900	0.07 (0.04—0.10)	7900	0.07 (0.04—0.10)
2.5	S*,7DC	7600	0.09 (0.05—0.13)	7600	0.09 (0.05—0.13)	6300	0.09 (0.05—0.13)
	≥12DC	7600	0.09 (0.06—0.13)	6300	0.09 (0.06—0.13)	6300	0.08 (0.05—0.13)
3.2	3DC,5DC,8DC	8900	0.1 (0.06—0.13)	7900	0.1 (0.06—0.13)	6900	0.1 (0.06—0.13)
4.0	3DC,5DC,8DC	7900	0.12 (0.08—0.16)	7100	0.12 (0.08—0.16)	6300	0.11 (0.07—0.14)
5.0	3DC,5DC,8DC	6300	0.15 (0.10—0.20)	5700	0.15 (0.10—0.20)	5000	0.14 (0.09—0.18)
6.3	3DC,5DC,8DC	5500	0.2 (0.13—0.26)	5000	0.2 (0.13—0.26)	4500	0.18 (0.11—0.24)
8.0	3DC,5DC,8DC	4700	0.23 (0.18—0.28)	4300	0.23 (0.18—0.28)	3900	0.21 (0.16—0.25)
10.0	3DC,5DC,8DC	4100	0.27 (0.22—0.32)	3800	0.27 (0.22—0.32)	3500	0.23 (0.19—0.27)
12.0	3DC,5DC,8DC	3700	0.3 (0.26—0.34)	3400	0.3 (0.26—0.34)	3100	0.26 (0.22—0.29)
16.0	3DC,5DC,8DC	3100	0.33 (0.27—0.38)	2700	0.33 (0.27—0.38)	2500	0.28 (0.23—0.33)
20.0	3DC,5DC,8DC	2500	0.35 (0.30—0.40)	2200	0.35 (0.30—0.40)	2000	0.3 (0.26—0.34)

工件材料		奥氏体类不锈钢 (≤HB200)		灰铸铁 (≤350MPa)		球墨铸铁 (≤450MPa)	
		SUS304、SUS316等		FC300等		FCD450等	
钻头直径 DC (mm)	L/D	转速 (min ⁻¹)	每转进给量 (Min.—Max.) (mm/rev)	转速 (min ⁻¹)	每转进给量 (Min.—Max.) (mm/rev)	转速 (min ⁻¹)	每转进给量 (Min.—Max.) (mm/rev)
1.0	S*,7DC	9500	0.03 (0.02—0.05)	15900	0.04 (0.02—0.05)	12700	0.04 (0.02—0.05)
	≥12DC	9500	0.02 (0.01—0.03)	12700	0.02 (0.01—0.03)	9500	0.02 (0.01—0.03)
1.5	S*,7DC	6300	0.05 (0.03—0.07)	10600	0.05 (0.03—0.08)	8400	0.05 (0.03—0.08)
	≥12DC	6300	0.05 (0.02—0.08)	8400	0.05 (0.03—0.08)	6300	0.05 (0.02—0.08)
2.0	S*,7DC	4700	0.06 (0.04—0.08)	7900	0.07 (0.04—0.10)	6300	0.07 (0.04—0.10)
	≥12DC	4700	0.07 (0.04—0.10)	7900	0.07 (0.04—0.10)	7900	0.07 (0.04—0.10)
2.5	S*,7DC	5000	0.08 (0.05—0.10)	7600	0.09 (0.05—0.13)	6300	0.09 (0.05—0.13)
	≥12DC	3800	0.08 (0.05—0.12)	6300	0.09 (0.06—0.13)	6300	0.08 (0.05—0.12)
3.2	3DC,5DC,8DC	3900	0.08 (0.06—0.10)	8900	0.1 (0.06—0.13)	6400	0.1 (0.06—0.13)
4.0	3DC,5DC,8DC	3100	0.09 (0.06—0.11)	7900	0.12 (0.08—0.16)	5100	0.12 (0.08—0.16)
5.0	3DC,5DC,8DC	2500	0.11 (0.08—0.14)	6300	0.15 (0.10—0.20)	4100	0.15 (0.10—0.20)
6.3	3DC,5DC,8DC	2500	0.14 (0.09—0.18)	5500	0.2 (0.13—0.26)	3500	0.2 (0.13—0.26)
8.0	3DC,5DC,8DC	1900	0.15 (0.10—0.19)	4700	0.25 (0.18—0.31)	2700	0.23 (0.18—0.28)
10.0	3DC,5DC,8DC	1500	0.16 (0.12—0.20)	4100	0.29 (0.22—0.35)	2200	0.27 (0.22—0.32)
12.0	3DC,5DC,8DC	1500	0.18 (0.15—0.21)	3700	0.32 (0.26—0.37)	2300	0.3 (0.26—0.34)
16.0	3DC,5DC,8DC	1100	0.19 (0.14—0.24)	3100	0.35 (0.28—0.42)	1700	0.33 (0.28—0.38)
20.0	3DC,5DC,8DC	900	0.21 (0.15—0.26)	2500	0.37 (0.30—0.44)	1500	0.35 (0.30—0.40)

S*=导孔加工用 2DC

工件材料		铝合金 (Si<5%)		耐热合金	
		A6061、A7075等		因科镍合金718等	
钻头直径 DC (mm)	L/D	转速 (min ⁻¹)	每转进给量 (Min.—Max.) (mm/rev)	转速 (min ⁻¹)	每转进给量 (Min.—Max.) (mm/rev)
1.0	S*,7DC	19000	0.05 (0.03—0.08)	3100	0.02 (0.01—0.03)
	≥12DC	15900	0.05 (0.03—0.08)	3100	0.02 (0.01—0.03)
1.5	S*,7DC	16900	0.07 (0.05—0.12)	2100	0.03 (0.02—0.04)
	≥12DC	14800	0.08 (0.05—0.12)	2100	0.03 (0.02—0.04)
2.0	S*,7DC	14300	0.1 (0.06—0.15)	2300	0.04 (0.03—0.05)
	≥12DC	12700	0.11 (0.06—0.15)	2300	0.04 (0.03—0.05)
2.5	S*,7DC	12700	0.13 (0.08—0.20)	1900	0.05 (0.04—0.06)
	≥12DC	11400	0.14 (0.08—0.20)	1900	0.05 (0.04—0.06)
3.2	3DC,5DC,8DC	11900	0.23 (0.10—0.35)	1900	0.07 (0.05—0.09)
4.0	3DC,5DC,8DC	9500	0.24 (0.12—0.35)	1500	0.09 (0.06—0.11)
5.0	3DC,5DC,8DC	7600	0.25 (0.15—0.35)	1200	0.11 (0.08—0.14)
6.3	3DC,5DC,8DC	7500	0.35 (0.20—0.50)	1200	0.13 (0.09—0.16)
8.0	3DC,5DC,8DC	5900	0.35 (0.20—0.50)	900	0.14 (0.11—0.17)
10.0	3DC,5DC,8DC	4700	0.5 (0.20—0.80)	700	0.15 (0.12—0.17)
12.0	3DC,5DC,8DC	4200	0.5 (0.20—0.80)	600	0.16 (0.13—0.18)
16.0	3DC,5DC,8DC	3100	0.6 (0.20—1.00)	400	0.18 (0.14—0.21)
20.0	3DC,5DC,8DC	2700	0.6 (0.20—1.00)	400	0.19 (0.15—0.22)

S*=导孔加工用 2DC

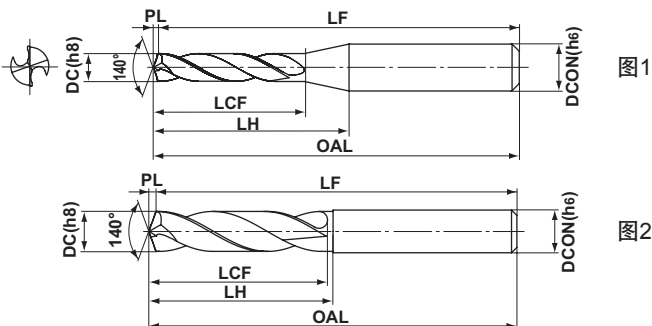
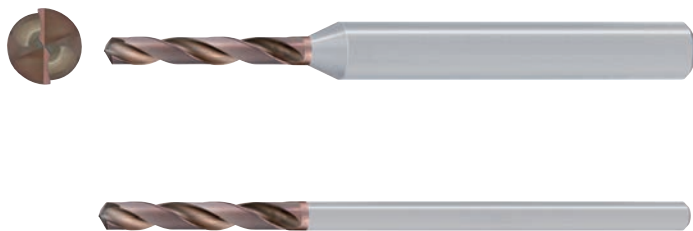
通用整体硬质合金钻头

MVE
WSTAR 钻头

- 新材料DP1020在各种工件材料加工中均可实现长寿命
- 采用新型波形刃, 可抑制易发生的外周部磨损

P	M	K	N	S	H
钢	不锈钢	铸铁	有色金属	耐热合金	高硬度钢

	DC=3	3<DC≤6	6<DC≤10	10<DC≤18	18<DC≤20
$\begin{matrix} \uparrow \\ \downarrow \end{matrix}$	0 -0.014	0 -0.018	0 -0.022	0 -0.027	0 -0.033
$\begin{matrix} \uparrow \\ \downarrow \end{matrix}$ h6	0 -0.006	0 -0.008	0 -0.009	0 -0.011	0 -0.013



外部冷却型

DC (mm)	钻 削 孔 深 (l/d)	库存 DP1020	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
3.0	2	●	MVE0300X02S030	16.5	16.5	55.5	55	0.5	3	2
	2	●	MVE0300X02S060	16.5	19.7	55.5	55	0.5	6	1
	3	●	MVE0300X03S030	21.5	21.5	60.5	60	0.5	3	2
	3	●	MVE0300X03S060	21.5	24.7	60.5	60	0.5	6	1
3.1	2	●	MVE0310X02S040	18.6	20.6	55.6	55	0.6	4	2
	2	●	MVE0310X02S060	18.6	21.7	55.6	55	0.6	6	1
	3	●	MVE0310X03S040	24.6	26.6	60.6	60	0.6	4	2
	3	●	MVE0310X03S060	24.6	27.7	60.6	60	0.6	6	1
3.2	2	●	MVE0320X02S040	18.6	20.6	55.6	55	0.6	4	2
	2	●	MVE0320X02S060	18.6	21.6	55.6	55	0.6	6	1
	3	●	MVE0320X03S040	24.6	26.6	60.6	60	0.6	4	2
	3	●	MVE0320X03S060	24.6	27.6	60.6	60	0.6	6	1
3.3	2	●	MVE0330X02S040	18.6	20.6	55.6	55	0.6	4	2
	2	●	MVE0330X02S060	18.6	21.5	55.6	55	0.6	6	1
	3	●	MVE0330X03S040	24.6	26.6	60.6	60	0.6	4	2
	3	●	MVE0330X03S060	24.6	27.5	60.6	60	0.6	6	1
3.4	2	●	MVE0340X02S040	18.6	20.6	55.6	55	0.6	4	2
	2	●	MVE0340X02S060	18.6	21.4	55.6	55	0.6	6	1
	3	●	MVE0340X03S040	24.6	26.6	60.6	60	0.6	4	2
	3	●	MVE0340X03S060	24.6	27.4	60.6	60	0.6	6	1
3.5	2	●	MVE0350X02S040	18.6	20.6	55.6	55	0.6	4	2
	2	●	MVE0350X02S060	18.6	21.3	55.6	55	0.6	6	1
	3	●	MVE0350X03S040	24.6	26.6	60.6	60	0.6	4	2
	3	●	MVE0350X03S060	24.6	27.3	60.6	60	0.6	6	1
3.6	2	●	MVE0360X02S040	20.7	20.7	55.7	55	0.7	4	2
	2	●	MVE0360X02S060	20.7	23.3	55.7	55	0.7	6	1
	3	●	MVE0360X03S040	27.7	27.7	60.7	60	0.7	4	2
	3	●	MVE0360X03S060	27.7	30.3	60.7	60	0.7	6	1
3.7	2	●	MVE0370X02S040	20.7	20.7	55.7	55	0.7	4	2
	2	●	MVE0370X02S060	20.7	23.2	55.7	55	0.7	6	1
	3	●	MVE0370X03S040	27.7	27.7	60.7	60	0.7	4	2
	3	●	MVE0370X03S060	27.7	30.2	60.7	60	0.7	6	1
3.8	2	●	MVE0380X02S040	20.7	20.7	55.7	55	0.7	4	2
	2	●	MVE0380X02S060	20.7	23.1	55.7	55	0.7	6	1
	3	●	MVE0380X03S040	27.7	27.7	60.7	60	0.7	4	2
	3	●	MVE0380X03S060	27.7	30.1	60.7	60	0.7	6	1
3.9	2	●	MVE0390X02S040	20.7	20.7	55.7	55	0.7	4	2
	2	●	MVE0390X02S060	20.7	23.0	55.7	55	0.7	6	1

外部冷却型

DC (mm)	钻 削 孔 深 (l/d)	库存 DP1020	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
3.9	3	●	MVE0390X03S040	27.7	27.7	60.7	60	0.7	4	2
	3	●	MVE0390X03S060	27.7	30.0	60.7	60	0.7	6	1
4.0	2	●	MVE0400X02S040	20.7	20.7	55.7	55	0.7	4	2
	2	●	MVE0400X02S060	20.7	22.8	55.7	55	0.7	6	1
	3	●	MVE0400X03S040	27.7	27.7	60.7	60	0.7	4	2
	3	●	MVE0400X03S060	27.7	29.8	60.7	60	0.7	6	1
4.1	2	●	MVE0410X02S050	22.7	24.7	62.7	62	0.7	5	2
	2	●	MVE0410X02S060	22.7	24.7	62.7	62	0.7	6	1
	3	●	MVE0410X03S050	29.7	31.7	68.7	68	0.7	5	2
	3	●	MVE0410X03S060	29.7	31.7	68.7	68	0.7	6	1
4.2	2	●	MVE0420X02S050	22.8	24.8	62.8	62	0.8	5	2
	2	●	MVE0420X02S060	22.8	24.7	62.8	62	0.8	6	1
	3	●	MVE0420X03S050	29.8	31.8	68.8	68	0.8	5	2
	3	●	MVE0420X03S060	29.8	31.7	68.8	68	0.8	6	1
4.3	2	●	MVE0430X02S050	22.8	24.8	62.8	62	0.8	5	2
	2	●	MVE0430X02S060	22.8	24.6	62.8	62	0.8	6	1
	3	●	MVE0430X03S050	29.8	31.8	68.8	68	0.8	5	2
	3	●	MVE0430X03S060	29.8	31.6	68.8	68	0.8	6	1
4.4	2	●	MVE0440X02S050	22.8	24.8	62.8	62	0.8	5	2
	2	●	MVE0440X02S060	22.8	24.5	62.8	62	0.8	6	1
	3	●	MVE0440X03S050	29.8	31.8	68.8	68	0.8	5	2
	3	●	MVE0440X03S060	29.8	31.5	68.8	68	0.8	6	1
4.5	2	●	MVE0450X02S050	22.8	24.8	62.8	62	0.8	5	2
	2	●	MVE0450X02S060	22.8	24.4	62.8	62	0.8	6	1
	3	●	MVE0450X03S050	29.8	31.8	68.8	68	0.8	5	2
	3	●	MVE0450X03S060	29.8	31.4	68.8	68	0.8	6	1
4.6	2	●	MVE0460X02S050	24.8	24.8	62.8	62	0.8	5	2
	2	●	MVE0460X02S060	24.8	27.8	62.8	62	0.8	6	2
	3	●	MVE0460X03S050	32.8	32.8	68.8	68	0.8	5	2
	3	●	MVE0460X03S060	32.8	35.8	68.8	68	0.8	6	2
4.7	2	●	MVE0470X02S050	24.9	24.9	62.9	62	0.9	5	2
	2	●	MVE0470X02S060	24.9	27.9	62.9	62	0.9	6	2
	3	●	MVE0470X03S050	32.9	32.9	68.9	68	0.9	5	2
	3	●	MVE0470X03S060	32.9	35.9	68.9	68	0.9	6	2
4.8	2	●	MVE0480X02S050	24.9	24.9	62.9	62	0.9	5	2
	2	●	MVE0480X02S060	24.9	27.9	62.9	62	0.9	6	2
	3	●	MVE0480X03S050	32.9	32.9	68.9	68	0.9	5	2
	3	●	MVE0480X03S060	32.9	35.9	68.9	68	0.9	6	2

● : 标准库存品

外部冷却型

DC	钻削孔深 (mm)	库存 (l/d)	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
4.9	2	●	MVE0490X02S050	24.9	24.9	62.9	62	0.9	5	2
	2	●	MVE0490X02S060	24.9	27.9	62.9	62	0.9	6	2
	3	●	MVE0490X03S050	32.9	32.9	68.9	68	0.9	5	2
	3	●	MVE0490X03S060	32.9	35.9	68.9	68	0.9	6	2
5.0	2	●	MVE0500X02S050	24.9	24.9	62.9	62	0.9	5	2
	2	●	MVE0500X02S060	24.9	27.9	62.9	62	0.9	6	2
	3	●	MVE0500X03S050	32.9	32.9	68.9	68	0.9	5	2
	3	●	MVE0500X03S060	32.9	35.9	68.9	68	0.9	6	2
5.1	2	●	MVE0510X02S060	26.9	28.9	66.9	66	0.9	6	2
	3	●	MVE0510X03S060	34.9	36.9	74.9	74	0.9	6	2
5.2	2	●	MVE0520X02S060	26.9	28.9	66.9	66	0.9	6	2
	3	●	MVE0520X03S060	34.9	36.9	74.9	74	0.9	6	2
5.3	2	●	MVE0530X02S060	27.0	29.0	67.0	66	1.0	6	2
	3	●	MVE0530X03S060	35.0	37.0	75.0	74	1.0	6	2
5.4	2	●	MVE0540X02S060	27.0	29.0	67.0	66	1.0	6	2
	3	●	MVE0540X03S060	35.0	37.0	75.0	74	1.0	6	2
5.5	2	●	MVE0550X02S060	27.0	29.0	67.0	66	1.0	6	2
	3	●	MVE0550X03S060	35.0	37.0	75.0	74	1.0	6	2
5.6	2	●	MVE0560X02S060	29.0	29.0	67.0	66	1.0	6	2
	3	●	MVE0560X03S060	37.0	37.0	75.0	74	1.0	6	2
5.7	2	●	MVE0570X02S060	29.0	29.0	67.0	66	1.0	6	2
	3	●	MVE0570X03S060	37.0	37.0	75.0	74	1.0	6	2
5.8	2	●	MVE0580X02S060	29.1	29.1	67.1	66	1.1	6	2
	3	●	MVE0580X03S060	37.1	37.1	75.1	74	1.1	6	2
5.9	2	●	MVE0590X02S060	29.1	29.1	67.1	66	1.1	6	2
	3	●	MVE0590X03S060	37.1	37.1	75.1	74	1.1	6	2
6.0	2	●	MVE0600X02S060	29.1	29.1	67.1	66	1.1	6	2
	3	●	MVE0600X03S060	37.1	37.1	75.1	74	1.1	6	2
6.1	2	●	MVE0610X02S070	32.1	35.1	75.1	74	1.1	7	2
	2	●	MVE0610X02S080	32.1	35.1	75.1	74	1.1	8	2
	3	●	MVE0610X03S070	42.1	45.1	84.1	83	1.1	7	2
	3	●	MVE0610X03S080	42.1	45.1	84.1	83	1.1	8	2
6.2	2	●	MVE0620X02S070	32.1	35.1	75.1	74	1.1	7	2
	2	●	MVE0620X02S080	32.1	35.1	75.1	74	1.1	8	2
	3	●	MVE0620X03S070	42.1	45.1	84.1	83	1.1	7	2
	3	●	MVE0620X03S080	42.1	45.1	84.1	83	1.1	8	2
6.3	2	●	MVE0630X02S070	32.1	35.1	75.1	74	1.1	7	2
	2	●	MVE0630X02S080	32.1	35.1	75.1	74	1.1	8	2
	3	●	MVE0630X03S070	42.1	45.1	84.1	83	1.1	7	2
	3	●	MVE0630X03S080	42.1	45.1	84.1	83	1.1	8	2
6.4	2	●	MVE0640X02S070	32.2	35.2	75.2	74	1.2	7	2
	2	●	MVE0640X02S080	32.2	35.2	75.2	74	1.2	8	2
	3	●	MVE0640X03S070	42.2	45.2	84.2	83	1.2	7	2
	3	●	MVE0640X03S080	42.2	45.2	84.2	83	1.2	8	2
6.5	2	●	MVE0650X02S070	32.2	35.2	75.2	74	1.2	7	2
	2	●	MVE0650X02S080	32.2	35.2	75.2	74	1.2	8	2
	3	●	MVE0650X03S070	42.2	45.2	84.2	83	1.2	7	2
	3	●	MVE0650X03S080	42.2	45.2	84.2	83	1.2	8	2
6.6	2	●	MVE0660X02S070	35.2	35.2	75.2	74	1.2	7	2
	2	●	MVE0660X02S080	35.2	37.2	75.2	74	1.2	8	2
	3	●	MVE0660X03S070	44.2	44.2	84.2	83	1.2	7	2
	3	●	MVE0660X03S080	44.2	46.2	84.2	83	1.2	8	2

外部冷却型

DC	钻削孔深 (mm)	库存 (l/d)	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
6.7	2	●	MVE0670X02S070	35.2	35.2	75.2	74	1.2	7	2
	2	●	MVE0670X02S080	35.2	37.2	75.2	74	1.2	8	2
	3	●	MVE0670X03S070	44.2	44.2	84.2	83	1.2	7	2
	3	●	MVE0670X03S080	44.2	46.2	84.2	83	1.2	8	2
6.8	2	●	MVE0680X02S070	35.2	35.2	75.2	74	1.2	7	2
	2	●	MVE0680X02S080	35.2	37.2	75.2	74	1.2	8	2
	3	●	MVE0680X03S070	44.2	44.2	84.2	83	1.2	7	2
	3	●	MVE0680X03S080	44.2	46.2	84.2	83	1.2	8	2
6.9	2	●	MVE0690X02S070	35.3	35.3	75.3	74	1.3	7	2
	2	●	MVE0690X02S080	35.3	37.3	75.3	74	1.3	8	2
	3	●	MVE0690X03S070	44.3	44.3	84.3	83	1.3	7	2
	3	●	MVE0690X03S080	44.3	46.3	84.3	83	1.3	8	2
7.0	2	●	MVE0700X02S070	35.3	35.3	75.3	74	1.3	7	2
	2	●	MVE0700X02S080	35.3	37.3	75.3	74	1.3	8	2
	3	●	MVE0700X03S070	44.3	44.3	84.3	83	1.3	7	2
	3	●	MVE0700X03S080	44.3	46.3	84.3	83	1.3	8	2
7.1	2	●	MVE0710X02S080	35.3	38.3	80.3	79	1.3	8	2
	3	●	MVE0710X03S080	46.3	49.3	91.3	90	1.3	8	2
7.2	2	●	MVE0720X02S080	35.3	38.3	80.3	79	1.3	8	2
	3	●	MVE0720X03S080	46.3	49.3	91.3	90	1.3	8	2
7.3	2	●	MVE0730X02S080	35.3	38.3	80.3	79	1.3	8	2
	3	●	MVE0730X03S080	46.3	49.3	91.3	90	1.3	8	2
7.4	2	●	MVE0740X02S080	35.3	38.3	80.3	79	1.3	8	2
	3	●	MVE0740X03S080	46.3	49.3	91.3	90	1.3	8	2
7.5	2	●	MVE0750X02S080	35.4	38.4	80.4	79	1.4	8	2
	3	●	MVE0750X03S080	46.4	49.4	91.4	90	1.4	8	2
7.6	2	●	MVE0760X02S080	38.4	38.4	80.4	79	1.4	8	2
	3	●	MVE0760X03S080	49.4	49.4	91.4	90	1.4	8	2
7.7	2	●	MVE0770X02S080	38.4	38.4	80.4	79	1.4	8	2
	3	●	MVE0770X03S080	49.4	49.4	91.4	90	1.4	8	2
7.8	2	●	MVE0780X02S080	38.4	38.4	80.4	79	1.4	8	2
	3	●	MVE0780X03S080	49.4	49.4	91.4	90	1.4	8	2
7.9	2	●	MVE0790X02S080	38.4	38.4	80.4	79	1.4	8	2
	3	●	MVE0790X03S080	49.4	49.4	91.4	90	1.4	8	2
8.0	2	●	MVE0800X02S080	38.5	38.5	80.5	79	1.5	8	2
	3	●	MVE0800X03S080	49.5	49.5	91.5	90	1.5	8	2
8.1	2	●	MVE0810X02S090	38.5	41.5	85.5	84	1.5	9	2
	2	●	MVE0810X02S100	38.5	41.5	85.5	84	1.5	10	2
	3	●	MVE0810X03S090	54.5	57.5	99.5	98	1.5	9	2
	3	●	MVE0810X03S100	54.5	57.5	99.5	98	1.5	10	2
8.2	2	●	MVE0820X02S090	38.5	41.5	85.5	84	1.5	9	2
	2	●	MVE0820X02S100	38.5	41.5	85.5	84	1.5	10	2
	3	●	MVE0820X03S090	54.5	57.5	99.5	98	1.5	9	2
	3	●	MVE0820X03S100	54.5	57.5	99.5	98	1.5	10	2
8.3	2	●	MVE0830X02S090	38.5	41.5	85.5	84	1.5	9	2
	2	●	MVE0830X02S100	38.5	41.5	85.5	84	1.5	10	2
	3	●	MVE0830X03S090	54.5	57.5	99.5	98	1.5	9	2
	3	●	MVE0830X03S100	54.5	57.5	99.5	98	1.5	10	2
8.4	2	●	MVE0840X02S090	38.5	41.5	85.5	84	1.5	9	2
	2	●	MVE0840X02S100	38.5	41.5	85.5	84	1.5	10	2
	3	●	MVE0840X03S090	54.5	57.5	99.5	98	1.5	9	2
	3	●	MVE0840X03S100	54.5	57.5	99.5	98	1.5	10	2

DC = 加工直径

LCF = 槽长

LH = 颈长

OAL = 全长

LF = 肩部长度

PL = 顶端与肩部的尺寸差

DCON = 安装部直径

外部冷却型

DC	钻削孔深 (mm)	库存 DP1020 (l/d)	型 号	尺寸 (mm)						图
				L _{CF}	L _H	OAL	L _F	P _L	DCON	
8.5	2	●	MVE0850X02S090	38.5	41.5	85.5	84	1.5	9	2
	2	●	MVE0850X02S100	38.5	41.5	85.5	84	1.5	10	2
	3	●	MVE0850X03S090	54.5	57.5	99.5	98	1.5	9	2
	3	●	MVE0850X03S100	54.5	57.5	99.5	98	1.5	10	2
8.6	2	●	MVE0860X02S090	41.6	41.6	85.6	84	1.6	9	2
	2	●	MVE0860X02S100	41.6	43.6	85.6	84	1.6	10	2
	3	●	MVE0860X03S090	56.6	56.6	99.6	98	1.6	9	2
	3	●	MVE0860X03S100	56.6	58.6	99.6	98	1.6	10	2
8.7	2	●	MVE0870X02S090	41.6	41.6	85.6	84	1.6	9	2
	2	●	MVE0870X02S100	41.6	43.6	85.6	84	1.6	10	2
	3	●	MVE0870X03S090	56.6	56.6	99.6	98	1.6	9	2
	3	●	MVE0870X03S100	56.6	58.6	99.6	98	1.6	10	2
8.8	2	●	MVE0880X02S090	41.6	41.6	85.6	84	1.6	9	2
	2	●	MVE0880X02S100	41.6	43.6	85.6	84	1.6	10	2
	3	●	MVE0880X03S090	56.6	56.6	99.6	98	1.6	9	2
	3	●	MVE0880X03S100	56.6	58.6	99.6	98	1.6	10	2
8.9	2	●	MVE0890X02S090	41.6	41.6	85.6	84	1.6	9	2
	2	●	MVE0890X02S100	41.6	43.6	85.6	84	1.6	10	2
	3	●	MVE0890X03S090	56.6	56.6	99.6	98	1.6	9	2
	3	●	MVE0890X03S100	56.6	58.6	99.6	98	1.6	10	2
9.0	2	●	MVE0900X02S090	41.6	41.6	85.6	84	1.6	9	2
	2	●	MVE0900X02S100	41.6	43.6	85.6	84	1.6	10	2
	3	●	MVE0900X03S090	56.6	56.6	99.6	98	1.6	9	2
	3	●	MVE0900X03S100	56.6	58.6	99.6	98	1.6	10	2
9.1	2	●	MVE0910X02S100	41.7	44.7	90.7	89	1.7	10	2
	3	●	MVE0910X03S100	59.7	62.7	106.7	105	1.7	10	2
9.2	2	●	MVE0920X02S100	41.7	44.7	90.7	89	1.7	10	2
	3	●	MVE0920X03S100	59.7	62.7	106.7	105	1.7	10	2
9.3	2	●	MVE0930X02S100	41.7	44.7	90.7	89	1.7	10	2
	3	●	MVE0930X03S100	59.7	62.7	106.7	105	1.7	10	2
9.4	2	●	MVE0940X02S100	41.7	44.7	90.7	89	1.7	10	2
	3	●	MVE0940X03S100	59.7	62.7	106.7	105	1.7	10	2
9.5	2	●	MVE0950X02S100	41.7	44.7	90.7	89	1.7	10	2
	3	●	MVE0950X03S100	59.7	62.7	106.7	105	1.7	10	2
9.6	2	●	MVE0960X02S100	44.7	44.7	90.7	89	1.7	10	2
	3	●	MVE0960X03S100	61.7	61.7	106.7	105	1.7	10	2
9.7	2	●	MVE0970X02S100	44.8	44.8	90.8	89	1.8	10	2
	3	●	MVE0970X03S100	61.8	61.8	106.8	105	1.8	10	2
9.8	2	●	MVE0980X02S100	44.8	44.8	90.8	89	1.8	10	2
	3	●	MVE0980X03S100	61.8	61.8	106.8	105	1.8	10	2
9.9	2	●	MVE0990X02S100	44.8	44.8	90.8	89	1.8	10	2
	3	●	MVE0990X03S100	61.8	61.8	106.8	105	1.8	10	2
10.0	2	●	MVE1000X02S100	44.8	44.8	90.8	89	1.8	10	2
	3	●	MVE1000X03S100	61.8	61.8	106.8	105	1.8	10	2
10.1	2	●	MVE1010X02S110	44.8	47.8	96.8	95	1.8	11	2
	2	●	MVE1010X02S120	44.8	47.8	96.8	95	1.8	12	2
	3	●	MVE1010X03S110	67.8	70.8	115.8	114	1.8	11	2
	3	●	MVE1010X03S120	67.8	70.8	115.8	114	1.8	12	2
10.2	2	●	MVE1020X02S110	44.9	47.9	96.9	95	1.9	11	2
	2	●	MVE1020X02S120	44.9	47.9	96.9	95	1.9	12	2
	3	●	MVE1020X03S110	67.9	70.9	115.9	114	1.9	11	2
	3	●	MVE1020X03S120	67.9	70.9	115.9	114	1.9	12	2

外部冷却型

DC	钻削孔深 (mm)	库存 DP1020 (l/d)	型 号	尺寸 (mm)						图
				L _{CF}	L _H	OAL	L _F	P _L	DCON	
10.3	2	●	MVE1030X02S110	44.9	47.9	96.9	95	1.9	11	2
	2	●	MVE1030X02S120	44.9	47.9	96.9	95	1.9	12	2
	3	●	MVE1030X03S110	67.9	70.9	115.9	114	1.9	11	2
	3	●	MVE1030X03S120	67.9	70.9	115.9	114	1.9	12	2
10.4	2	●	MVE1040X02S110	44.9	47.9	96.9	95	1.9	11	2
	2	●	MVE1040X02S120	44.9	47.9	96.9	95	1.9	12	2
	3	●	MVE1040X03S110	67.9	70.9	115.9	114	1.9	11	2
	3	●	MVE1040X03S120	67.9	70.9	115.9	114	1.9	12	2
10.5	2	●	MVE1050X02S110	44.9	47.9	96.9	95	1.9	11	2
	2	●	MVE1050X02S120	44.9	47.9	96.9	95	1.9	12	2
	3	●	MVE1050X03S110	67.9	70.9	115.9	114	1.9	11	2
	3	●	MVE1050X03S120	67.9	70.9	115.9	114	1.9	12	2
10.6	2	●	MVE1060X02S110	48.9	48.9	96.9	95	1.9	11	2
	2	●	MVE1060X02S120	48.9	49.9	96.9	95	1.9	12	2
	3	●	MVE1060X03S110	69.9	69.9	115.9	114	1.9	11	2
	3	●	MVE1060X03S120	69.9	70.9	115.9	114	1.9	12	2
10.7	2	●	MVE1070X02S110	48.9	48.9	96.9	95	1.9	11	2
	2	●	MVE1070X02S120	48.9	49.9	96.9	95	1.9	12	2
	3	●	MVE1070X03S110	69.9	69.9	115.9	114	1.9	11	2
	3	●	MVE1070X03S120	69.9	70.9	115.9	114	1.9	12	2
10.8	2	●	MVE1080X02S110	49.0	49.0	97.0	95	2.0	11	2
	2	●	MVE1080X02S120	49.0	50.0	97.0	95	2.0	12	2
	3	●	MVE1080X03S110	70.0	70.0	116.0	114	2.0	11	2
	3	●	MVE1080X03S120	70.0	71.0	116.0	114	2.0	12	2
10.9	2	●	MVE1090X02S110	49.0	49.0	97.0	95	2.0	11	2
	2	●	MVE1090X02S120	49.0	50.0	97.0	95	2.0	12	2
	3	●	MVE1090X03S110	70.0	70.0	116.0	114	2.0	11	2
	3	●	MVE1090X03S120	70.0	71.0	116.0	114	2.0	12	2
11.0	2	●	MVE1100X02S110	49.0	49.0	97.0	95	2.0	11	2
	2	●	MVE1100X02S120	49.0	50.0	97.0	95	2.0	12	2
	3	●	MVE1100X03S110	70.0	70.0	116.0	114	2.0	11	2
	3	●	MVE1100X03S120	70.0	71.0	116.0	114	2.0	12	2
11.1	2	●	MVE1110X02S120	49.0	52.0	97.0	95	2.0	12	2
	3	●	MVE1110X03S120	73.0	76.0	123.0	121	2.0	12	2
11.2	2	●	MVE1120X02S120	49.0	52.0	97.0	95	2.0	12	2
	3	●	MVE1120X03S120	73.0	76.0	123.0	121	2.0	12	2
11.3	2	●	MVE1130X02S120	49.1	52.1	97.1	95	2.1	12	2
	3	●	MVE1130X03S120	73.1	76.1	123.1	121	2.1	12	2
11.4	2	●	MVE1140X02S120	49.1	52.1	97.1	95	2.1	12	2
	3	●	MVE1140X03S120	73.1	76.1	123.1	121	2.1	12	2
11.5	2	●	MVE1150X02S120	49.1	52.1	97.1	95	2.1	12	2
	3	●	MVE1150X03S120	73.1	76.1	123.1	121	2.1	12	2
11.6	2	●	MVE1160X02S120	49.1	49.1	97.1	95	2.1	12	2
	3	●	MVE1160X03S120	75.1	75.1	123.1	121	2.1	12	2
11.7	2	●	MVE1170X02S120	49.1	49.1	97.1	95	2.1	12	2
	3	●	MVE1170X03S120	75.1	75.1	123.1	121	2.1	12	2
11.8	2	●	MVE1180X02S120	49.1	49.1	97.1	95	2.1	12	2
	3	●	MVE1180X03S120	75.1	75.1	123.1	121	2.1	12	2
11.9	2	●	MVE1190X02S120	49.2	49.2	97.2	95	2.2	12	2
	3	●	MVE1190X03S120	75.2	75.2	123.2	121	2.2	12	2
12.0	2	●	MVE1200X02S120	49.2	49.2	97.2	95	2.2	12	2
	3	●	MVE1200X03S120	75.2	75.2	123.2	121	2.2	12	2

● : 标准库存品 □ : 预订生产产品

外部冷却型

DC (mm)	钻削孔深 (l/d)	库存 DP1020	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
12.1	2	●	MVE1210X02S130	53.2	56.2	104.2	102	2.2	13	2
	2	□	MVE1210X02S140	53.2	56.2	104.2	102	2.2	14	2
	3	●	MVE1210X03S130	78.2	81.2	139.2	137	2.2	13	2
	3	□	MVE1210X03S140	78.2	81.2	139.2	137	2.2	14	2
12.2	2	●	MVE1220X02S130	53.2	56.2	104.2	102	2.2	13	2
	2	□	MVE1220X02S140	53.2	56.2	104.2	102	2.2	14	2
	3	●	MVE1220X03S130	78.2	81.2	139.2	137	2.2	13	2
	3	□	MVE1220X03S140	78.2	81.2	139.2	137	2.2	14	2
12.3	2	●	MVE1230X02S130	53.2	56.2	104.2	102	2.2	13	2
	2	□	MVE1230X02S140	53.2	56.2	104.2	102	2.2	14	2
	3	●	MVE1230X03S130	78.2	81.2	139.2	137	2.2	13	2
	3	□	MVE1230X03S140	78.2	81.2	139.2	137	2.2	14	2
12.4	2	●	MVE1240X02S130	53.3	56.3	104.3	102	2.3	13	2
	2	□	MVE1240X02S140	53.3	56.3	104.3	102	2.3	14	2
	3	●	MVE1240X03S130	78.3	81.3	139.3	137	2.3	13	2
	3	□	MVE1240X03S140	78.3	81.3	139.3	137	2.3	14	2
12.5	2	●	MVE1250X02S130	53.3	56.3	104.3	102	2.3	13	2
	2	□	MVE1250X02S140	53.3	56.3	104.3	102	2.3	14	2
	3	●	MVE1250X03S130	78.3	81.3	139.3	137	2.3	13	2
	3	□	MVE1250X03S140	78.3	81.3	139.3	137	2.3	14	2
12.6	2	●	MVE1260X02S130	53.3	53.3	104.3	102	2.3	13	2
	2	□	MVE1260X02S140	53.3	53.3	104.3	102	2.3	14	2
	3	●	MVE1260X03S130	80.3	80.3	139.3	137	2.3	13	2
	3	□	MVE1260X03S140	80.3	80.3	139.3	137	2.3	14	2
12.7	2	●	MVE1270X02S130	53.3	53.3	104.3	102	2.3	13	2
	2	□	MVE1270X02S140	53.3	53.3	104.3	102	2.3	14	2
	3	●	MVE1270X03S130	80.3	80.3	139.3	137	2.3	13	2
	3	□	MVE1270X03S140	80.3	80.3	139.3	137	2.3	14	2
12.8	2	●	MVE1280X02S130	53.3	53.3	104.3	102	2.3	13	2
	2	□	MVE1280X02S140	53.3	53.3	104.3	102	2.3	14	2
	3	●	MVE1280X03S130	80.3	80.3	139.3	137	2.3	13	2
	3	□	MVE1280X03S140	80.3	80.3	139.3	137	2.3	14	2
12.9	2	●	MVE1290X02S130	53.3	53.3	104.3	102	2.3	13	2
	2	□	MVE1290X02S140	53.3	53.3	104.3	102	2.3	14	2
	3	●	MVE1290X03S130	80.3	80.3	139.3	137	2.3	13	2
	3	□	MVE1290X03S140	80.3	80.3	139.3	137	2.3	14	2
13.0	2	●	MVE1300X02S130	53.4	53.4	104.4	102	2.4	13	2
	2	□	MVE1300X02S140	53.4	53.4	104.4	102	2.4	14	2
	3	●	MVE1300X03S130	80.4	80.4	139.4	137	2.4	13	2
	3	□	MVE1300X03S140	80.4	80.4	139.4	137	2.4	14	2
13.1	2	●	MVE1310X02S140	56.4	59.4	109.4	107	2.4	14	2
	3	●	MVE1310X03S140	86.4	89.4	149.4	147	2.4	14	2
13.2	2	●	MVE1320X02S140	56.4	59.4	109.4	107	2.4	14	2
	3	●	MVE1320X03S140	86.4	89.4	149.4	147	2.4	14	2
13.3	2	●	MVE1330X02S140	56.4	59.4	109.4	107	2.4	14	2
	3	●	MVE1330X03S140	86.4	89.4	149.4	147	2.4	14	2
13.4	2	●	MVE1340X02S140	56.4	59.4	109.4	107	2.4	14	2
	3	●	MVE1340X03S140	86.4	89.4	149.4	147	2.4	14	2
13.5	2	●	MVE1350X02S140	56.5	59.5	109.5	107	2.5	14	2
	3	●	MVE1350X03S140	86.5	89.5	149.5	147	2.5	14	2
13.6	2	●	MVE1360X02S140	56.5	56.5	109.5	107	2.5	14	2
	3	●	MVE1360X03S140	88.5	88.5	149.5	147	2.5	14	2

DC = 加工直径

LCF = 槽长

LH = 颈长

外部冷却型

DC (mm)	钻削孔深 (l/d)	库存 DP1020	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
13.7	2	●	MVE1370X02S140	56.5	56.5	109.5	107	2.5	14	2
	3	●	MVE1370X03S140	88.5	88.5	149.5	147	2.5	14	2
13.8	2	●	MVE1380X02S140	56.5	56.5	109.5	107	2.5	14	2
	3	●	MVE1380X03S140	88.5	88.5	149.5	147	2.5	14	2
13.9	2	●	MVE1390X02S140	56.5	56.5	109.5	107	2.5	14	2
	3	●	MVE1390X03S140	88.5	88.5	149.5	147	2.5	14	2
14.0	2	●	MVE1400X02S140	56.5	56.5	109.5	107	2.5	14	2
	3	●	MVE1400X03S140	88.5	88.5	149.5	147	2.5	14	2
14.1	2	●	MVE1410X02S150	58.6	61.6	113.6	111	2.6	15	2
	2	□	MVE1410X02S160	58.6	61.6	113.6	111	2.6	16	2
	3	●	MVE1410X03S150	91.6	94.6	155.6	153	2.6	15	2
	3	□	MVE1410X03S160	91.6	94.6	155.6	153	2.6	16	2
14.2	2	●	MVE1420X02S150	58.6	61.6	113.6	111	2.6	15	2
	2	□	MVE1420X02S160	58.6	61.6	113.6	111	2.6	16	2
	3	●	MVE1420X03S150	91.6	94.6	155.6	153	2.6	15	2
	3	□	MVE1420X03S160	91.6	94.6	155.6	153	2.6	16	2
14.3	2	□	MVE1430X02S150	58.6	61.6	113.6	111	2.6	15	2
	2	□	MVE1430X02S160	58.6	61.6	113.6	111	2.6	16	2
	3	●	MVE1430X03S150	91.6	94.6	155.6	153	2.6	15	2
	3	□	MVE1430X03S160	91.6	94.6	155.6	153	2.6	16	2
14.4	2	□	MVE1440X02S150	58.6	61.6	113.6	111	2.6	15	2
	2	□	MVE1440X02S160	58.6	61.6	113.6	111	2.6	16	2
	3	●	MVE1440X03S150	91.6	94.6	155.6	153	2.6	15	2
	3	□	MVE1440X03S160	91.6	94.6	155.6	153	2.6	16	2
14.5	2	●	MVE1450X02S150	58.6	61.6	113.6	111	2.6	15	2
	2	□	MVE1450X02S160	58.6	61.6	113.6	111	2.6	16	2
	3	●	MVE1450X03S150	91.6	94.6	155.6	153	2.6	15	2
	3	□	MVE1450X03S160	91.6	94.6	155.6	153	2.6	16	2
14.6	2	□	MVE1460X02S150	58.7	58.7	113.7	111	2.7	15	2
	2	□	MVE1460X02S160	58.7	58.7	113.7	111	2.7	16	2
	3	●	MVE1460X03S150	93.7	93.7	155.7	153	2.7	15	2
	3	□	MVE1460X03S160	93.7	93.7	155.7	153	2.7	16	2
14.7	2	□	MVE1470X02S150	58.7	58.7	113.7	111	2.7	15	2
	2	□	MVE1470X02S160	58.7	58.7	113.7	111	2.7	16	2
	3	●	MVE1470X03S150	93.7	93.7	155.7	153	2.7	15	2
	3	□	MVE1470X03S160	93.7	93.7	155.7	153	2.7	16	2
14.8	2	□	MVE1480X02S150	58.7	58.7	113.7	111	2.7	15	2
	2	□	MVE1480X02S160	58.7	58.7	113.7	111	2.7	16	2
	3	●	MVE1480X03S150	93.7	93.7	155.7	153	2.7	15	2
	3	□	MVE1480X03S160	93.7	93.7	155.7	153	2.7	16	2
14.9	2	□	MVE1490X02S150	58.7	58.7	113.7	111	2.7	15	2
	2	□	MVE1490X02S160	58.7	58.7	113.7	111	2.7	16	2
	3	●	MVE1490X03S150	93.7	93.7	155.7	153	2.7	15	2
	3	□	MVE1490X03S160	93.7	93.7	155.7	153	2.7	16	2
15.0	2	●	MVE1500X02S150	58.7	58.7	113.7	111	2.7	15	2
	2	□	MVE1500X02S160	58.7	58.7	113.7	111	2.7	16	2
	3	●	MVE1500X03S150	93.7	93.7	155.7	153	2.7	15	2
	3	□	MVE1500X03S160	93.7	93.7	155.7	153	2.7	16	2
15.1	2	□	MVE1510X02S160	60.7	63.7	117.7	115	2.7	16	2
	3	●	MVE1510X03S160	96.7	99.7	162.7	160	2.7	16	2
15.2	2	●	MVE1520X02S160	60.8	63.8	117.8	115	2.8	16	2
	3	●	MVE1520X03S160	96.8	99.8	162.8	160	2.8	16	2

OAL = 全长

LF = 肩部长度

PL = 顶端与肩部的尺寸差

DCON = 安装部直径

通用整体硬质合金钻头



外部冷却型

DC (mm)	钻 削 孔 深 (l/d)	库存 DP1020	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
15.3	2	□	MVE1530X02S160	60.8	63.8	117.8	115	2.8	16	2
	3	●	MVE1530X03S160	96.8	99.8	162.8	160	2.8	16	2
15.4	2	□	MVE1540X02S160	60.8	63.8	117.8	115	2.8	16	2
	3	●	MVE1540X03S160	96.8	99.8	162.8	160	2.8	16	2
15.5	2	●	MVE1550X02S160	60.8	63.8	117.8	115	2.8	16	2
	3	●	MVE1550X03S160	96.8	99.8	162.8	160	2.8	16	2
15.6	2	□	MVE1560X02S160	60.8	60.8	117.8	115	2.8	16	2
	3	●	MVE1560X03S160	98.8	98.8	162.8	160	2.8	16	2
15.7	2	□	MVE1570X02S160	60.9	60.9	117.9	115	2.9	16	2
	3	●	MVE1570X03S160	98.9	98.9	162.9	160	2.9	16	2
15.8	2	□	MVE1580X02S160	60.9	60.9	117.9	115	2.9	16	2
	3	●	MVE1580X03S160	98.9	98.9	162.9	160	2.9	16	2
15.9	2	□	MVE1590X02S160	60.9	60.9	117.9	115	2.9	16	2
	3	●	MVE1590X03S160	98.9	98.9	162.9	160	2.9	16	2
16.0	2	●	MVE1600X02S160	60.9	60.9	117.9	115	2.9	16	2
	3	●	MVE1600X03S160	98.9	98.9	162.9	160	2.9	16	2
16.1	2	□	MVE1610X02S170	62.9	62.9	121.9	119	2.9	17	2
	2	□	MVE1610X02S180	62.9	62.9	121.9	119	2.9	18	2
	3	□	MVE1610X03S170	104.9	104.9	169.9	167	2.9	17	2
	3	□	MVE1610X03S180	104.9	104.9	169.9	167	2.9	18	2
16.2	2	●	MVE1620X02S170	62.9	62.9	121.9	119	2.9	17	2
	2	□	MVE1620X02S180	62.9	62.9	121.9	119	2.9	18	2
	3	□	MVE1620X03S170	104.9	104.9	169.9	167	2.9	17	2
	3	□	MVE1620X03S180	104.9	104.9	169.9	167	2.9	18	2
16.3	2	●	MVE1630X02S170	63.0	63.0	122.0	119	3.0	17	2
	2	□	MVE1630X02S180	63.0	63.0	122.0	119	3.0	18	2
	3	□	MVE1630X03S170	105.0	105.0	170.0	167	3.0	17	2
	3	□	MVE1630X03S180	105.0	105.0	170.0	167	3.0	18	2
16.4	2	□	MVE1640X02S170	63.0	63.0	122.0	119	3.0	17	2
	2	□	MVE1640X02S180	63.0	63.0	122.0	119	3.0	18	2
	3	□	MVE1640X03S170	105.0	105.0	170.0	167	3.0	17	2
	3	□	MVE1640X03S180	105.0	105.0	170.0	167	3.0	18	2
16.5	2	●	MVE1650X02S170	63.0	63.0	122.0	119	3.0	17	2
	2	□	MVE1650X02S180	63.0	63.0	122.0	119	3.0	18	2
	3	●	MVE1650X03S170	105.0	105.0	170.0	167	3.0	17	2
	3	□	MVE1650X03S180	105.0	105.0	170.0	167	3.0	18	2
16.6	2	□	MVE1660X02S170	63.0	63.0	122.0	119	3.0	17	2
	2	□	MVE1660X02S180	63.0	63.0	122.0	119	3.0	18	2
	3	□	MVE1660X03S170	105.0	105.0	170.0	167	3.0	17	2
	3	□	MVE1660X03S180	105.0	105.0	170.0	167	3.0	18	2
16.7	2	□	MVE1670X02S170	63.0	63.0	122.0	119	3.0	17	2
	2	□	MVE1670X02S180	63.0	63.0	122.0	119	3.0	18	2
	3	□	MVE1670X03S170	105.0	105.0	170.0	167	3.0	17	2
	3	□	MVE1670X03S180	105.0	105.0	170.0	167	3.0	18	2
16.8	2	□	MVE1680X02S170	63.1	63.1	122.1	119	3.1	17	2
	2	□	MVE1680X02S180	63.1	63.1	122.1	119	3.1	18	2
	3	□	MVE1680X03S170	105.1	105.1	170.1	167	3.1	17	2
	3	□	MVE1680X03S180	105.1	105.1	170.1	167	3.1	18	2
16.9	2	□	MVE1690X02S170	63.1	63.1	122.1	119	3.1	17	2
	2	□	MVE1690X02S180	63.1	63.1	122.1	119	3.1	18	2
	3	□	MVE1690X03S170	105.1	105.1	170.1	167	3.1	17	2
	3	□	MVE1690X03S180	105.1	105.1	170.1	167	3.1	18	2

外部冷却型

DC (mm)	钻 削 孔 深 (l/d)	库存 DP1020	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
17.0	2	●	MVE1700X02S170	63.1	63.1	122.1	119	3.1	17	2
	2	□	MVE1700X02S180	63.1	63.1	122.1	119	3.1	18	2
	3	●	MVE1700X03S170	105.1	105.1	170.1	167	3.1	17	2
	3	□	MVE1700X03S180	105.1	105.1	170.1	167	3.1	18	2
17.1	2	□	MVE1710X02S180	65.1	65.1	126.1	123	3.1	18	2
	3	□	MVE1710X03S180	105.1	105.1	170.1	167	3.1	18	2
17.2	2	□	MVE1720X02S180	65.1	65.1	126.1	123	3.1	18	2
	3	□	MVE1720X03S180	105.1	105.1	170.1	167	3.1	18	2
17.3	2	□	MVE1730X02S180	65.1	65.1	126.1	123	3.1	18	2
	3	□	MVE1730X03S180	105.1	105.1	170.1	167	3.1	18	2
17.4	2	□	MVE1740X02S180	65.2	65.2	126.2	123	3.2	18	2
	3	□	MVE1740X03S180	105.2	105.2	170.2	167	3.2	18	2
17.5	2	●	MVE1750X02S180	65.2	65.2	126.2	123	3.2	18	2
	3	●	MVE1750X03S180	105.2	105.2	170.2	167	3.2	18	2
17.6	2	□	MVE1760X02S180	65.2	65.2	126.2	123	3.2	18	2
	3	□	MVE1760X03S180	105.2	105.2	170.2	167	3.2	18	2
17.7	2	□	MVE1770X02S180	65.2	65.2	126.2	123	3.2	18	2
	3	□	MVE1770X03S180	105.2	105.2	170.2	167	3.2	18	2
17.8	2	●	MVE1780X02S180	65.2	65.2	126.2	123	3.2	18	2
	3	□	MVE1780X03S180	105.2	105.2	170.2	167	3.2	18	2
17.9	2	□	MVE1790X02S180	65.3	65.3	126.3	123	3.3	18	2
	3	□	MVE1790X03S180	105.3	105.3	170.3	167	3.3	18	2
18.0	2	●	MVE1800X02S180	65.3	65.3	126.3	123	3.3	18	2
	3	●	MVE1800X03S180	105.3	105.3	170.3	167	3.3	18	2
18.1	2	□	MVE1810X02S190	67.3	67.3	130.3	127	3.3	19	2
	2	□	MVE1810X02S200	67.3	67.3	130.3	127	3.3	20	2
	3	□	MVE1810X03S190	117.3	117.3	182.3	179	3.3	19	2
	3	□	MVE1810X03S200	117.3	117.3	182.3	179	3.3	20	2
18.2	2	□	MVE1820X02S190	67.3	67.3	130.3	127	3.3	19	2
	2	□	MVE1820X02S200	67.3	67.3	130.3	127	3.3	20	2
	3	□	MVE1820X03S190	117.3	117.3	182.3	179	3.3	19	2
	3	□	MVE1820X03S200	117.3	117.3	182.3	179	3.3	20	2
18.3	2	□	MVE1830X02S190	67.3	67.3	130.3	127	3.3	19	2
	2	□	MVE1830X02S200	67.3	67.3	130.3	127	3.3	20	2
	3	□	MVE1830X03S190	117.3	117.3	182.3	179	3.3	19	2
	3	□	MVE1830X03S200	117.3	117.3	182.3	179	3.3	20	2
18.4	2	□	MVE1840X02S190	67.3	67.3	130.3	127	3.3	19	2
	2	□	MVE1840X02S200	67.3	67.3	130.3	127	3.3	20	2
	3	□	MVE1840X03S190	117.3	117.3	182.3	179	3.3	19	2
	3	□	MVE1840X03S200	117.3	117.3	182.3	179	3.3	20	2
18.5	2	●	MVE1850X02S190	67.4	67.4	130.4	127	3.4	19	2
	2	□	MVE1850X02S200	67.4	67.4	130.4	127	3.4	20	2
	3	●	MVE1850X03S190	117.4	117.4	182.4	179	3.4	19	2
	3	□	MVE1850X03S200	117.4	117.4	182.4	179	3.4	20	2
18.6	2	□	MVE1860X02S190	67.4	67.4	130.4	127	3.4	19	2
	2	□	MVE1860X02S200	67.4	67.4	130.4	127	3.4	20	2
	3	□	MVE1860X03S190	117.4	117.4	182.4	179	3.4	19	2
	3	□	MVE1860X03S200	117.4	117.4	182.4	179	3.4	20	2
18.7	2	□	MVE1870X02S190	67.4	67.4	130.4	127	3.4	19	2
	2	□	MVE1870X02S200	67.4	67.4	130.4	127	3.4	20	2
	3	□	MVE1870X03S190	117.4	117.4	182.4	179	3.4	19	2
	3	□	MVE1870X03S200	117.4	117.4	182.4	179	3.4	20	2

● : 标准库存品 □ : 预订生产产品

外部冷却型

DC	钻削孔深 (mm)	库存 DP1020	型 号	尺寸 (mm)						图
				LCF	LH	OAL	LF	PL	DCON	
18.8	2	□	MVE1880X02S190	67.4	67.4	130.4	127	3.4	19	2
	2	□	MVE1880X02S200	67.4	67.4	130.4	127	3.4	20	2
	3	□	MVE1880X03S190	117.4	117.4	182.4	179	3.4	19	2
	3	□	MVE1880X03S200	117.4	117.4	182.4	179	3.4	20	2
18.9	2	□	MVE1890X02S190	67.4	67.4	130.4	127	3.4	19	2
	2	□	MVE1890X02S200	67.4	67.4	130.4	127	3.4	20	2
	3	□	MVE1890X03S190	117.4	117.4	182.4	179	3.4	19	2
	3	□	MVE1890X03S200	117.4	117.4	182.4	179	3.4	20	2
19.0	2	●	MVE1900X02S190	67.5	67.5	130.5	127	3.5	19	2
	2	□	MVE1900X02S200	67.5	67.5	130.5	127	3.5	20	2
	3	●	MVE1900X03S190	117.5	117.5	182.5	179	3.5	19	2
	3	□	MVE1900X03S200	117.5	117.5	182.5	179	3.5	20	2
19.1	2	□	MVE1910X02S200	69.5	69.5	134.5	131	3.5	20	2
	3	□	MVE1910X03S200	117.5	117.5	182.5	179	3.5	20	2
19.2	2	□	MVE1920X02S200	69.5	69.5	134.5	131	3.5	20	2
	3	□	MVE1920X03S200	117.5	117.5	182.5	179	3.5	20	2
19.3	2	□	MVE1930X02S200	69.5	69.5	134.5	131	3.5	20	2
	3	□	MVE1930X03S200	117.5	117.5	182.5	179	3.5	20	2
19.4	2	□	MVE1940X02S200	69.5	69.5	134.5	131	3.5	20	2
	3	□	MVE1940X03S200	117.5	117.5	182.5	179	3.5	20	2
19.5	2	●	MVE1950X02S200	69.5	69.5	134.5	131	3.5	20	2
	3	●	MVE1950X03S200	117.5	117.5	182.5	179	3.5	20	2
19.6	2	□	MVE1960X02S200	69.6	69.6	134.6	131	3.6	20	2
	3	□	MVE1960X03S200	117.6	117.6	182.6	179	3.6	20	2
19.7	2	□	MVE1970X02S200	69.6	69.6	134.6	131	3.6	20	2
	3	□	MVE1970X03S200	117.6	117.6	182.6	179	3.6	20	2
19.8	2	□	MVE1980X02S200	69.6	69.6	134.6	131	3.6	20	2
	3	□	MVE1980X03S200	117.6	117.6	182.6	179	3.6	20	2
19.9	2	□	MVE1990X02S200	69.6	69.6	134.6	131	3.6	20	2
	3	□	MVE1990X03S200	117.6	117.6	182.6	179	3.6	20	2
20.0	2	●	MVE2000X02S200	69.6	69.6	134.6	131	3.6	20	2
	3	●	MVE2000X03S200	117.6	117.6	182.6	179	3.6	20	2

DC = 加工直径

LCF = 槽长

LH = 颈长

OAL = 全长

LF = 肩部长度

PL = 顶端与肩部的尺寸差

DCON = 安装部直径

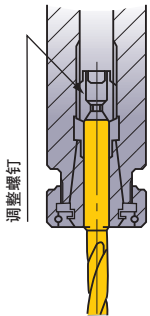
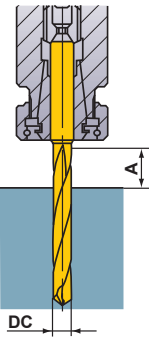
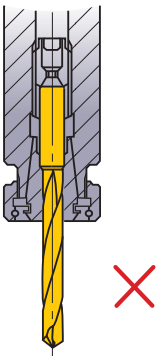
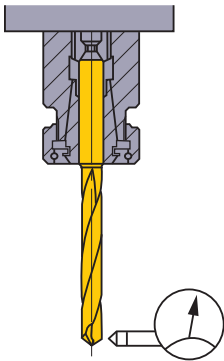
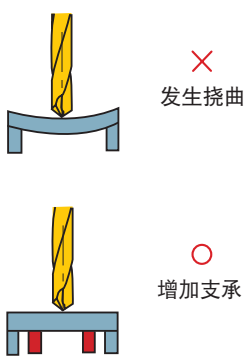
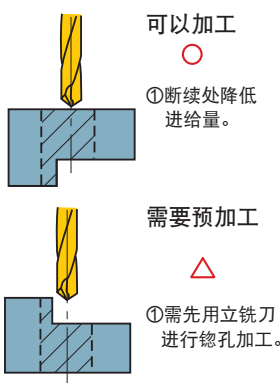
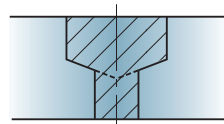
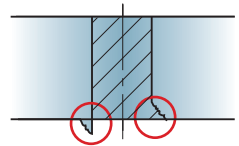
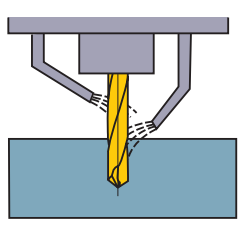
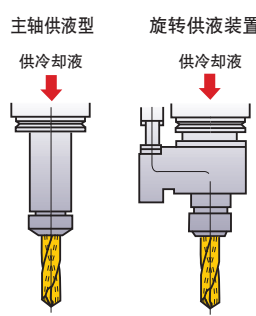
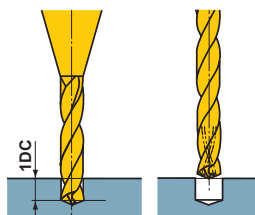
推荐切削条件

工件材料	软钢 (≤HB180)			碳钢、合金钢 (HB180—280)			碳钢、合金钢 (HB280—350)		
	SS400、S10C等			S45C、SCM440等			SNCM439等		
钻头直径 DC (mm)	转速 (min ⁻¹)	每转进给量 (Min.—Max.) (mm/rev)		转速 (min ⁻¹)	每转进给量 (Min.—Max.) (mm/rev)		转速 (min ⁻¹)	每转进给量 (Min.—Max.) (mm/rev)	
3.2	6400	0.1	(0.06—0.13)	5900	0.1	(0.06—0.13)	5400	0.09	(0.06—0.12)
4.0	5500	0.12	(0.08—0.16)	5100	0.12	(0.08—0.16)	4700	0.11	(0.07—0.14)
5.0	4400	0.15	(0.10—0.20)	4100	0.15	(0.10—0.20)	3800	0.14	(0.09—0.18)
6.3	4000	0.2	(0.13—0.26)	3700	0.2	(0.13—0.26)	3500	0.18	(0.11—0.24)
8.0	3300	0.23	(0.18—0.28)	3100	0.23	(0.18—0.28)	2900	0.21	(0.16—0.25)
10.0	2800	0.27	(0.22—0.32)	2700	0.27	(0.22—0.32)	2500	0.23	(0.19—0.27)
12.0	2500	0.31	(0.28—0.34)	2300	0.31	(0.28—0.34)	2200	0.26	(0.23—0.29)
16.0	1900	0.33	(0.28—0.38)	1700	0.33	(0.28—0.38)	1600	0.29	(0.24—0.33)
20.0	1500	0.35	(0.30—0.40)	1400	0.35	(0.30—0.40)	1300	0.3	(0.26—0.34)

工件材料	奥氏体类不锈钢 (≤HB200)			灰铸铁 (≤350MPa)			球墨铸铁 (≤450MPa)		
	SUS304、SUS316等			FC300等			FCD450等		
钻头直径 DC (mm)	转速 (min ⁻¹)	每转进给量 (Min.—Max.) (mm/rev)		转速 (min ⁻¹)	每转进给量 (Min.—Max.) (mm/rev)		转速 (min ⁻¹)	每转进给量 (Min.—Max.) (mm/rev)	
3.2	1900	0.07	(0.05—0.08)	6900	0.1	(0.06—0.13)	6400	0.1	(0.06—0.13)
4.0	1500	0.08	(0.06—0.10)	5500	0.12	(0.08—0.16)	5100	0.12	(0.08—0.16)
5.0	1200	0.1	(0.07—0.13)	4400	0.15	(0.10—0.20)	4100	0.15	(0.10—0.20)
6.3	1200	0.13	(0.09—0.17)	3700	0.2	(0.13—0.26)	3500	0.2	(0.13—0.26)
8.0	900	0.14	(0.10—0.18)	2900	0.25	(0.18—0.31)	2700	0.23	(0.18—0.28)
10.0	700	0.16	(0.12—0.19)	2300	0.29	(0.22—0.35)	2200	0.27	(0.22—0.32)
12.0	600	0.18	(0.15—0.20)	2100	0.33	(0.28—0.37)	1900	0.31	(0.28—0.34)
16.0	400	0.19	(0.15—0.23)	1500	0.35	(0.28—0.42)	1400	0.33	(0.28—0.38)
20.0	300	0.2	(0.15—0.24)	1300	0.37	(0.30—0.44)	1200	0.35	(0.30—0.40)

工件材料	铝合金 (Si<5%)			耐热合金			高硬度钢 (HRC40—55)		
	A6061、A7075等			因科镍合金718等			SKD61、SKT4等		
钻头直径 DC (mm)	转速 (min ⁻¹)	每转进给量 (Min.—Max.) (mm/rev)		转速 (min ⁻¹)	每转进给量 (Min.—Max.) (mm/rev)		转速 (min ⁻¹)	每转进给量 (Min.—Max.) (mm/rev)	
3.2	7900	0.1	(0.06—0.13)	1900	0.07	(0.05—0.09)	1900	0.07	(0.05—0.09)
4.0	6300	0.12	(0.08—0.16)	1500	0.09	(0.06—0.11)	1500	0.09	(0.06—0.11)
5.0	5000	0.15	(0.10—0.20)	1200	0.11	(0.08—0.14)	1200	0.11	(0.08—0.14)
6.3	4500	0.2	(0.13—0.26)	1200	0.14	(0.09—0.19)	1200	0.14	(0.09—0.19)
8.0	3500	0.23	(0.18—0.28)	900	0.14	(0.11—0.17)	900	0.14	(0.11—0.17)
10.0	2800	0.27	(0.22—0.32)	700	0.16	(0.12—0.19)	700	0.16	(0.12—0.19)
12.0	2600	0.31	(0.28—0.34)	600	0.16	(0.13—0.18)	600	0.16	(0.13—0.18)
16.0	1900	0.33	(0.28—0.38)	400	0.18	(0.14—0.21)	400	0.18	(0.14—0.21)
20.0	1700	0.35	(0.30—0.40)	400	0.19	(0.15—0.22)	400	0.19	(0.15—0.22)

高级使用方法

<p>钻头装夹</p>  <p>调整螺钉</p> <p>请使用推力轴承型弹簧夹头紧固装夹钻头。</p>	<p>确定装夹钻头长度的方法</p>  <p>图中的A尺寸确保在$DC \times 1.5$以上 ($DC < 3$时, 要确保在$DC \times 2.0$以上)。</p>	<p>安装注意事项</p>  <p>切忌夹持钻头沟槽部位。</p>	<p>安装时的振摆</p>  <p>振摆应在0.03mm以内。</p>
<p>薄板钻削</p>  <p>发生挠曲</p> <p>增加支承</p>	<p>断续加工</p>  <p>可以加工</p> <p>①断续处降低进给量。</p> <p>需要预加工</p> <p>①需先用立铣刀进行铤孔加工。</p>	<p>阶梯孔钻削</p>  <p>①分2个工序钻削。 ②先钻削大直径部分。 *本公司也制作带铤孔刃、倒角刃的钻头。</p>	<p>钻通时出现的毛刺、剥落</p>  <p>①降低钻通时的进给量。 ②出口处加工成倒角。 ③改变钻头顶角。</p>
<p>最佳的供冷却液方法 (MVE)</p>  <p>钻头的顶端部与中间部是期望的供冷却液部位。</p>	<p>冷却液供给方法 (MVS)</p>  <p>主轴供液型 旋转供液装置</p> <p>供冷却液 供冷却液</p> <p>小于$\phi 3$: 1.5MPa~7MPa 大于$\phi 3$: 0.5MPa~7MPa 推荐冷却液压力3MPa以上。</p>	<p>冷却液的管理</p> <p><使用MVS时></p> <ol style="list-style-type: none"> 1) 供液系统必须安装冷却过滤网, 细小的切屑颗粒会附在冷却孔内堵塞冷却孔, 特别是小直径钻头, 应尽量选用细目滤网。 2) 冷却液长时间使用后, 液中的细小杂质会附在冷却孔内, 导致供液不畅, 应及早更换。 	<p>小直径钻头的使用方法</p>  <p>1DC</p> <ol style="list-style-type: none"> 1) 使用槽长最短的MVS钻头进行1DC(DC为钻头直径)左右的底孔加工。 2) 用底孔作导向, 使用带冷却孔的钻头进行加工时, 根据加工情况推荐采用步进进给加工或微进给加工。

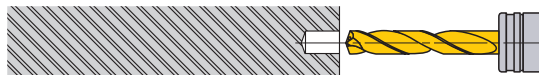
使用注意事项 (使用 $DC < 3$ 的钻头时)

- 为防止冷却孔堵塞, 供液装置上应使用精密过滤网 (网眼尺寸 $\leq 3\mu m$)。
- 用长钻头加工深孔时, 需要事先加工导孔。
(因离心力的作用, 有可能钻头会折断。)

MVS小直径长钻头 (L/D=10以上) 的高级使用方法

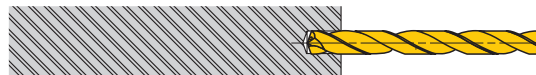
加工部位为平面的加工 ●加工盲孔时

1. 导孔加工



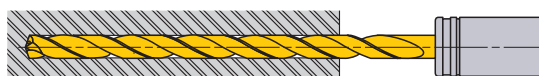
- ①导孔加工用钻头的顶角角度需确保不小于长钻头的顶角 140° 。推荐使用槽长最短的MVS钻头。
- ②确保良好的导孔精度(圆度)。
- ③孔深1D左右即可。(请根据长钻头的长度调整导向孔的深度。)

2. 深孔加工 (插入导孔内)



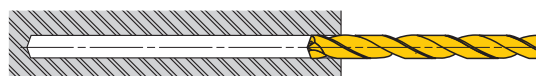
- ①请在低转速条件下插入导孔内。(转速 1000min^{-1} 、每转进给量 $0.2\sim 0.3\text{mm/rev}$ 左右)
- ②插至距离导孔底部 $0.5\sim 1\text{mm}$ 左右的位置。(确保切削刃肩部全部插入)

3. 深孔加工 (加工开始、结束)



- ①开始旋转、进给加工。(一次进给加工)

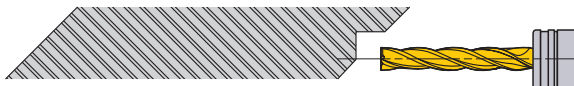
4. 深孔加工 (退出)



- ①加工结束后,在距孔底 $0.5\sim 1\text{mm}$ 左右的位置降低转速。(转速 1000min^{-1} 左右)
- ②将钻头以 3000mm/min 左右的进给速度退回到开始加工的位置。
- ③以与插入导孔时相同的条件退出。

包含断续的加工 ●加工部位为倾斜面或特殊形状时。钻通部位为倾斜面或特殊形状时。

1. 铰孔加工



- ①用立铣刀或能进行铰孔加工的钻头将倾斜面加工成平坦面。此时的铰孔直径为长钻头切削刃直径 $\sim +0.1\text{mm}$ 的范围内。

2. 导孔加工



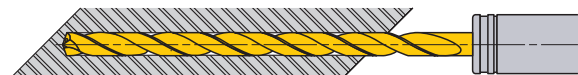
- ①导孔加工用钻头的顶角角度需确保不小于长钻头的顶角 140° 。推荐使用槽长最短的MVS钻头。
- ②确保良好的导孔精度(圆度)。
- ③孔深1D左右即可。(请根据长钻头的长度调整导向孔的深度。)

3. 深孔加工 (插入导孔内)



- ①请在低转速条件下插入导孔内。(转速 1000min^{-1} 、每转进给量 $0.2\sim 0.3\text{mm/rev}$ 左右)
- ②插至距离导孔底部 $0.5\sim 1\text{mm}$ 左右的位置。

4. 深孔加工 (加工开始、至钻通前)



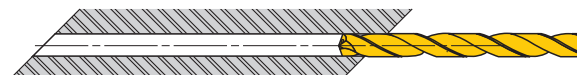
- ①开始旋转、进给加工。(一次进给加工)
- ②以通常的每转进给量加工至钻通前。

5. 深孔加工 (钻通时的断续切削)



- ①钻通时的断续切削易损伤切削刃。
- ②钻通时的进给量推荐为通常进给量的一半左右。

6. 深孔加工 (退出)



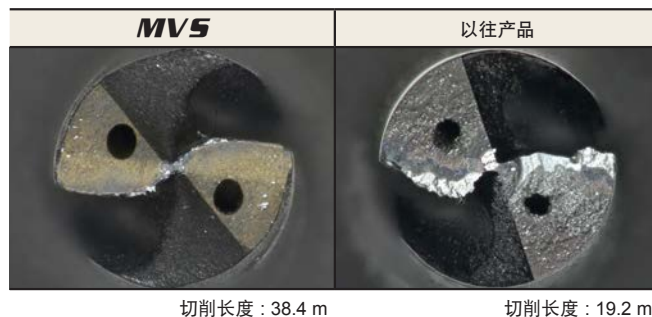
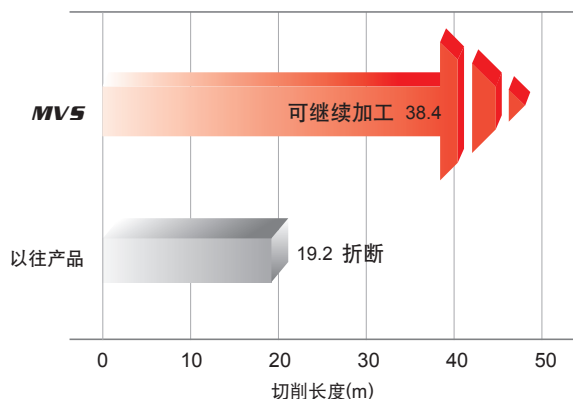
- ①钻通后请降低转速。(转速 1000min^{-1} 左右)
- ②将钻头以 3000mm/min 左右的进给速度退回到开始加工的位置。

[illegible]

切削性能（小直径）NEW

加工合金钢SCM440时的寿命比较

小直径MVS钻头的寿命是以往产品的2倍



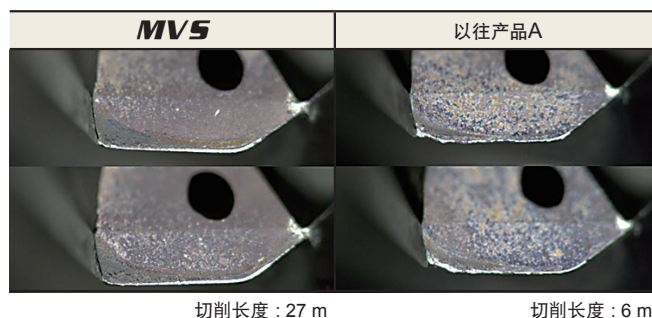
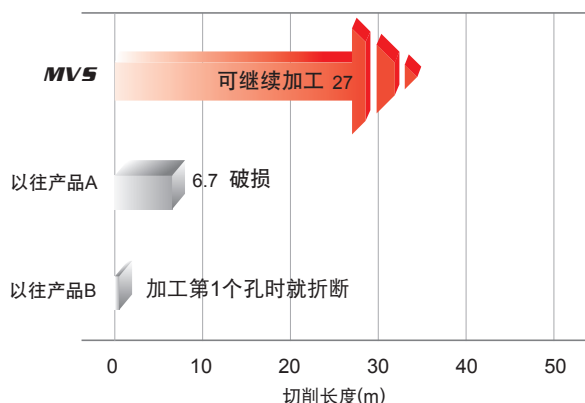
<切削条件>

钻头：MVS0100X07S030
工件材料：JIS SCM440
钻削孔深：4mm (L/D=4)

切削速度：40m/min
每转进给量：0.04mm/rev
冷却方式：水溶性(7MPa)

加工不锈钢SUS304时的寿命比较

不锈钢加工中，小直径MVS钻头也可实现稳定加工及长寿命



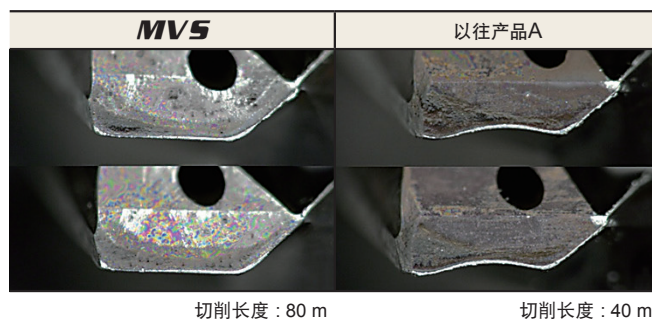
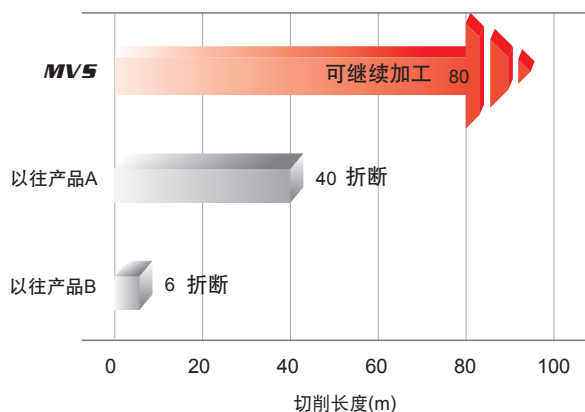
<切削条件>

钻头：MVS0200X02S030
工件材料：JIS SUS304
钻削孔深：4mm (L/D=2)

切削速度：30m/min
每转进给量：0.06mm/rev
冷却方式：水溶性(7MPa)

加工不锈钢SUS304时的寿命比较（L/D=30）

深孔加工中，小直径MVS钻头也可实现稳定加工及长寿命



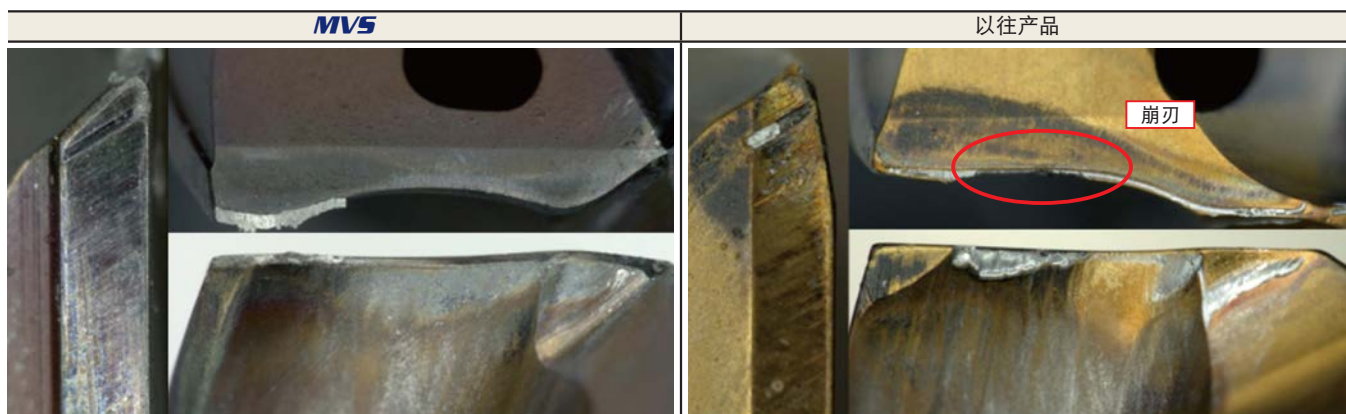
<切削条件>

钻头：MVS0200X30S030
工件材料：JIS SUS304
钻削孔深：60mm (L/D=30)

切削速度：30m/min
每转进给量：0.06mm/rev
冷却方式：水溶性(7MPa)

切削性能

加工合金钢SCM440时的寿命比较



切削长度150m时的刀尖损伤状态

<切削条件>

钻头: MVS0600X03S060

工件材料: JIS SCM440

切削孔深: 19mm (L/D=3)

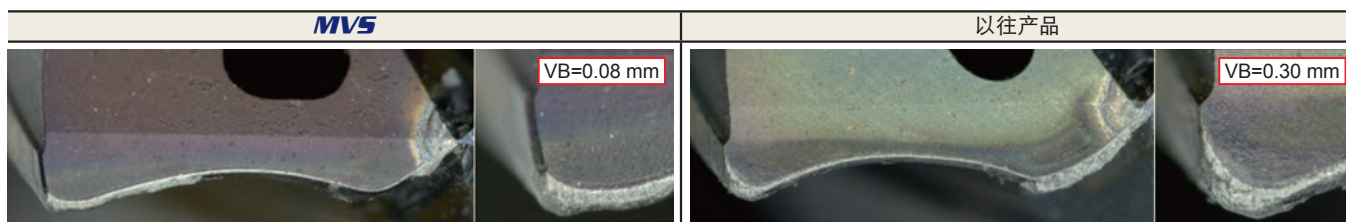
切削速度: 100m/min

每转进给量: 0.2mm/rev

冷却方式: 水溶性 (内部冷却)

立式加工中心

加工普通铸铁FC250时的寿命比较



切削长度67m时的刀尖损伤状态

<切削条件>

钻头: MVS0600X03S060

工件材料: JIS FC250

切削孔深: 19mm (L/D=3)

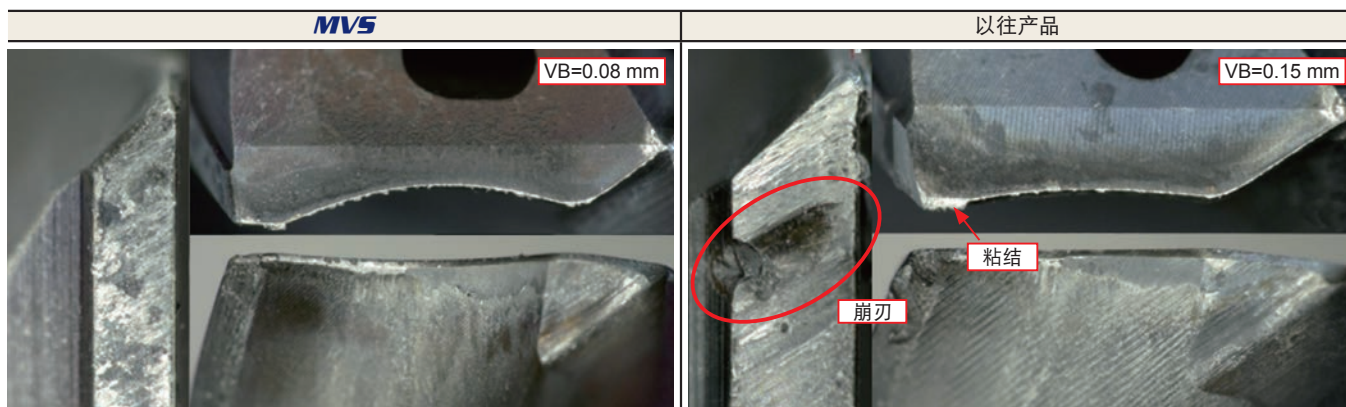
切削速度: 100m/min

每转进给量: 0.2mm/rev

冷却方式: 水溶性 (内部冷却)

立式加工中心

加工不锈钢SUS304时的寿命比较



切削长度96m时的刀尖损伤状态

<切削条件>

钻头: MVS0600X03S060

工件材料: JIS SUS304

切削孔深: 19mm (L/D=3)

切削速度: 60m/min

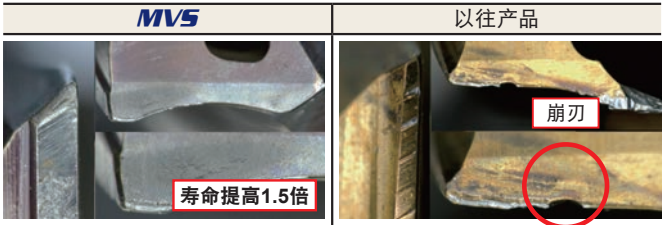
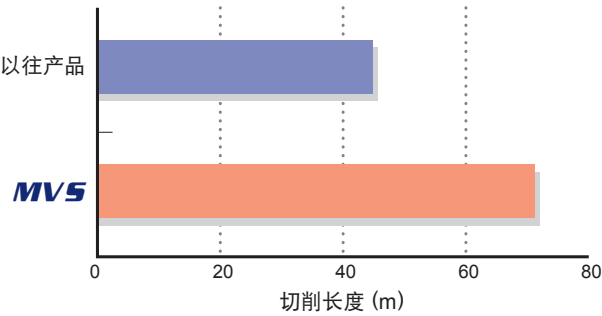
每转进给量: 0.15mm/rev

冷却方式: 水溶性 (内部冷却)

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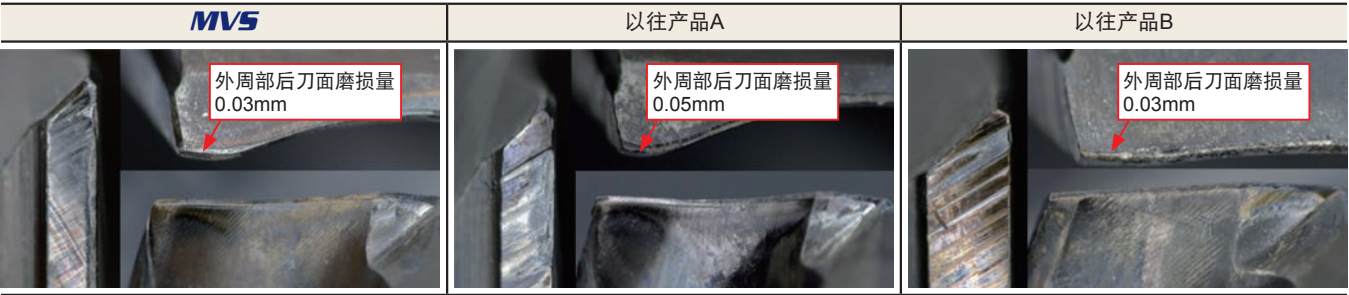
切削性能

加工碳钢S50C时的寿命比较



< 切削条件 >
钻 头 : MVS0600X03S060
工 件 材 料 : JIS S50C
钻 削 孔 深 : 19mm (L/D=3)
切 削 速 度 : 100m/min
每转进给量 : 0.2mm/rev
冷 却 方 式 : 水溶性 (内部冷却)
立式加工中心


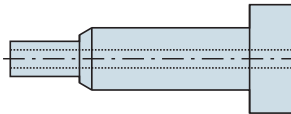
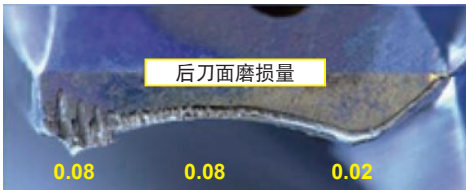
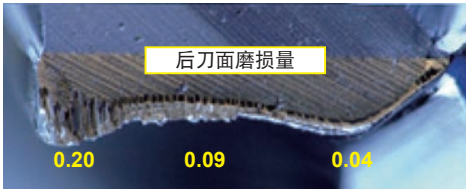

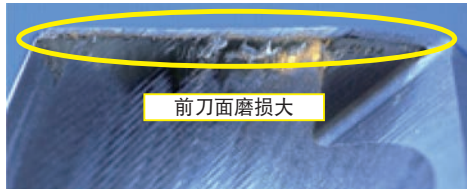
采用M.Q.L.方式加工时的寿命比较

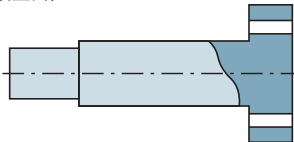
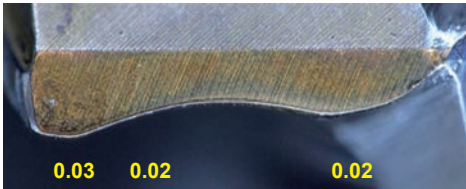
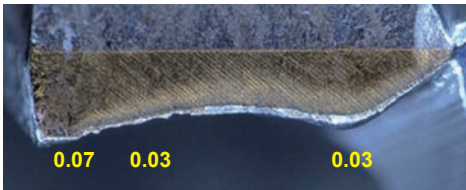


切削长度55m时的刀尖损伤状态

< 切削条件 >
钻 头 : MVS0600X03S060
工 件 材 料 : JIS S50C
钻 削 孔 深 : 19mm (L/D=3)
切 削 速 度 : 80m/min
每转进给量 : 0.2mm/rev
冷 却 方 式 : M.Q.L.
立式加工中心



使用实例

钻头		MVS0300X03S030	MVS0620X03S070
工件材料		S10C (汽车零部件)	S45C (机床零部件)
			
切削条件	切削速度(m/min)	56.5	43
	每转进给量(mm/rev)	0.07	0.1
	钻削孔深(mm)	7.5	8.8
冷却方式		油性	油性
结果		切削长度60m  <p>后刀面磨损量</p> <p>0.08 0.08 0.02</p> <p>以往产品</p>  <p>后刀面磨损量</p> <p>0.20 0.09 0.04</p> <p>MVS的磨损量小, 可继续加工。</p>	切削长度70.4m  <p>以往产品</p>  <p>前刀面磨损大</p> <p>前刀面未发生磨损, 磨损量也小, 可继续加工。</p>

钻头		MVS0370X02S040
工件材料		SUS304 (喷墨头)
		
切削条件	切削速度(m/min)	23
	每转进给量(mm/rev)	0.1
	钻削孔深(mm)	5
冷却方式		油性
结果		加工数量800个孔 切削长度40m  <p>0.03 0.02 0.02</p> <p>以往产品</p>  <p>0.07 0.03 0.03</p> <p>比以往产品的损伤小, 加工数量提高20%。</p>

WSTAR 钻头系列

MVE/MVS可用于加工各种工件材料，
也备有针对各工件材料特性研发的专用钻头。

	P 碳钢	M 不锈钢	K 铸铁	N 轻合金	S 耐热合金	H 高硬度钢
MVE/MVS 	◎	◎	◎	○	○	○ 只有MVE
MQS News No.B185 	◎		◎			
MMS News No.B180 		◎				
MNS News No.B135 				◎		
MHS News No.B137 	○	○			○	◎
MWE/MWS News No.B110 	◎	◎	◎	○	○	○ 只有MWE

关于安全

●请勿用手直接触摸切削刃、切屑。●请在推荐条件范围内使用，及早更换刀具。●有时会有高温的切屑飞出，伸长的切屑排出。请使用防护罩、防护镜等防护用具。●使用非水溶性切削液时，务必采取防火措施。
●使用旋转刀具时，务必进行试运转，确认有无振摆、振动、异常声音。●研磨或加热切削工具会产生粉尘、烟雾。大量吸入、吸入，与眼睛、皮肤接触，会对人体有害。

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三菱 三菱

400-001-3030

〒200040 中国上海市静安区南京西路1468号中欣大厦3911室

电话：021-6289-0022

传真：021-6279-1180

<http://www.mmsc-carbide.com.cn>

(规格若有更改，恕不事先通知)

EXP-13-E005
####.##.AK(##)