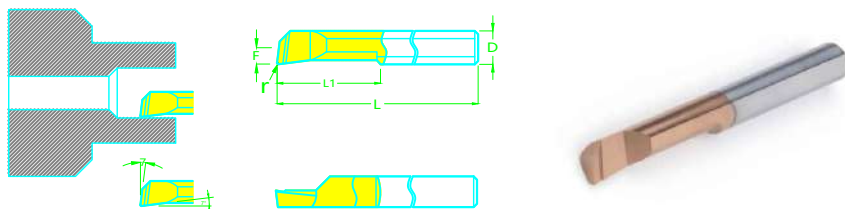




MTR微型通用车削镗刀 Turning

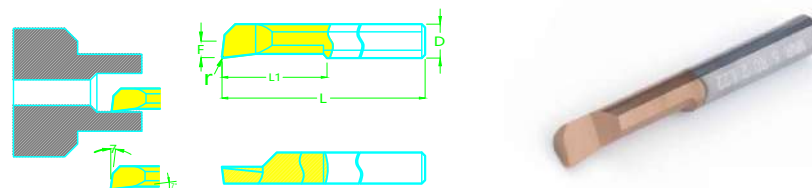


柄部直径 (shank D)	订货型号 designation	φ (min) 最小孔径	基本尺寸 dimensions			
			F	R	L1	L
4.0	MTR 2 R0.05 L5/L10/L15	2.1	0.9	0.05	5/10/15	50
	MTR 2 R0.1 L5/L10/L15	2.1	0.9	0.1	5/10/15	50
	MTR 2 R0.15 L5/L10/L15	2.1	0.9	0.15	5/10/15	50
	MTR 2.5 R0.05 L10/L15	2.6	1.15	0.05	10/15	50
	MTR 2.5 R0.1 L10/L15	2.6	1.15	0.1	10/15	50
	MTR 3 R0.1 L10/L15	3.1	1.4	0.1	10/15	50
	MTR 3 R0.15 L10/L15	3.1	1.4	0.15	10/15	50
	MTR 3 R0.2 L10/L15	3.1	1.4	0.2	10/15	50
	MTR 4 R0.05 L10/L15/L22	4.1	1.9	0.05	10/15/22	50
	MTR 4 R0.1 L10/L15/L22	4.1	1.9	0.1	10/15/22	50
	MTR 4 R0.15 L10/L15/L22	4.1	1.9	0.15	10/15/22	50
	MTR 4 R0.2 L10/L15/L22	4.1	1.9	0.2	10/15/22	50
5.0	MTR 4 R0.2 L30	4.1	1.9	0.2	30	60
	MTR 4 R0.2 L35/L40	4.1	1.9	0.2	35/40	75
	MTR 4 R0.2 L45/L55	4.1	1.9	0.2	45/55	100
	MTR 5 R0.1 L15/L22	5.1	2.4	0.1	15/22	50
	MTR 5 R0.1 L30	5.1	2.4	0.1	30	60
	MTR 5 R0.15 L15/L22	5.1	2.4	0.15	15/22	50
6.0	MTR 5 R0.2 L15/L22	5.1	2.4	0.2	15/22	50
	MTR 5 R0.2 L30	5.1	2.4	0.2	30	60
	MTR 6 R0.1 L15/L22	6.1	2.9	0.1	15/22	50
	MTR 6 R0.1 L25/L30	6.1	2.9	0.1	25/30	60
	MTR 6 R0.1 L35	6.1	2.9	0.1	35	75
	MTR 6 R0.2 L15/L22	6.1	2.9	0.2	15/22	50
7.0	MTR 6 R0.2 L25/L30	6.1	2.9	0.2	25/30	60
	MTR 6 R0.2 L35/L40	6.1	2.9	0.2	35/40	75
8.0	MTR 6 R0.2 L45/L55	6.1	2.9	0.2	45/55	100
	MTR 7 R0.1 L15/L25/L30	7.1	3.4	0.1	15/25/30	60
10.0	MTR 7 R0.2 L15/L25/L30	7.1	3.4	0.2	15/25/30	60
	MTR 8 R0.1 L15/L25/L30	8.1	3.9	0.1	15/25/30	60
10.0	MTR 8 R0.1 L35/40	8.1	3.9	0.1	35/40	75
	MTR 8 R0.2 L15/L25/L30	8.1	3.9	0.2	15/25/30	60
	MTR 8 R0.2 L35/40	8.1	3.9	0.2	35/40	75
	MTR 8 R0.2 L45/55	8.1	3.9	0.2	45/55	100
10.0	MTR 10 R0.2 L35/L40	10.1	4.9	0.2	35/40	75
	MTR 10 R0.2 L45/55	10.1	4.9	0.2	45/55	100

图例：右刀



MNR微型通用车削镗刀 Turning

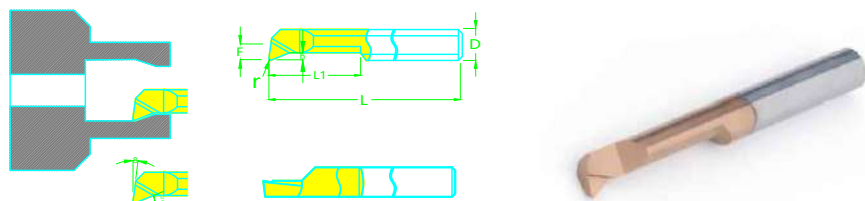


柄部直径 (shank D)	订货型号 designation	φ (min) 最小孔径	基本尺寸 dimensions			
			F	R	L1	L
4.0	MNR 2 R0.05 L5/L10/L15	2.1	0.9	0.05	5/10/15	50
	MNR 2 R0.1 L5/L10/L15	2.1	0.9	0.1	5/10/15	50
	MNR 2 R0.15 L5/L10/L15	2.1	0.9	0.15	5/10/15	50
	MNR 2.5 R0.05 L10/L15	2.6	1.15	0.05	10/15	50
	MNR 2.5 R0.1 L10/L15	2.6	1.15	0.1	10/15	50
	MNR 3 R0.1 L10/L15	3.1	1.4	0.1	10/15	50
	MNR 3 R0.15 L10/L15	3.1	1.4	0.15	10/15	50
	MNR 3 R0.2 L10/L15	3.1	1.4	0.2	10/15	50
	MNR 4 R0.05 L10/L15/L22	4.1	1.9	0.05	10/15/22	50
	MNR 4 R0.1 L10/L15/L22	4.1	1.9	0.1	10/15/22	50
	MNR 4 R0.15 L10/L15/L22	4.1	1.9	0.15	10/15/22	50
	MNR 4 R0.2 L10/L15/L22	4.1	1.9	0.2	10/15/22	50
	MNR 4 R0.2 L30	4.1	1.9	0.2	30	60
	MNR 4 R0.2 L35/L40	4.1	1.9	0.2	35/40	75
	MNR 4 R0.2 L45/L55	4.1	1.9	0.2	45/55	100
5.0	MNR 5 R0.1 L15/L22	5.1	2.4	0.1	15/22	50
	MNR 5 R0.1 L30	5.1	2.4	0.1	30	60
	MNR 5 R0.15 L15/L22	5.1	2.4	0.15	15/22	50
	MNR 5 R0.2 L15/L22	5.1	2.4	0.2	15/22	50
	MNR 5 R0.2 L30	5.1	2.4	0.2	30	60
6.0	MNR 6 R0.1 L15/L22	6.1	2.9	0.1	15/22	50
	MNR 6 R0.1 L25/L30	6.1	2.9	0.1	25/30	60
	MNR 6 R0.1 L35	6.1	2.9	0.1	35	75
	MNR 6 R0.2 L15/L22	6.1	2.9	0.2	15/22	50
	MNR 6 R0.2 L25/L30	6.1	2.9	0.2	25/30	60
	MNR 6 R0.2 L35	6.1	2.9	0.2	35	75
7.0	MNR 6 R0.2 L45/L55	6.1	2.9	0.2	45/55	100
	MNR 7 R0.1 L15/L25/L30	7.1	3.4	0.1	15/25/30	60
8.0	MNR 7 R0.2 L15/L25/L30	7.1	3.4	0.2	15/25/30	60
	MNR 8 R0.1 L15/L25/L30	8.1	3.9	0.1	15/25/30	60
10.0	MNR 8 R0.1 L35/40	8.1	3.9	0.1	35/40	75
	MNR 8 R0.2 L15/L25/L30	8.1	3.9	0.2	15/25/30	60
	MNR 8 R0.2 L35/40	8.1	3.9	0.2	35/40	75
	MNR 8 R0.2 L45/55	8.1	3.9	0.2	45/55	100
10.0	MNR 10 R0.2 L35/40	10.1	4.9	0.2	35/40	75
	MNR 10 R0.2 L45/55	10.1	4.9	0.2	45/55	100

图例：右刀



MPR微型通用车削镗刀 Profiling Turning

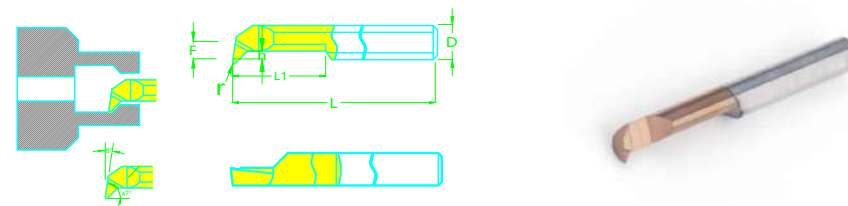


柄部直径 (shank D)	订货型号 designation	φ (min) 最小孔径	基本尺寸 dimensions					
			F	h	R	L1	L	
4.0	MPR 2 R0.1 L10/L15	2.1	0.9	0.5	0.1	10/15	50	
	MPR 2 R0.15 L10/L15	2.1	0.9	0.5	0.15	10/15	50	
	MPR 2 R0.2 L10/L15	2.1	0.9	0.5	0.2	10/15	50	
	MPR 3 R0.1 L10/L15	3.1	1.4	0.7	0.1	10/15	50	
	MPR 3 R0.15 L10/L15	3.1	1.4	0.7	0.15	10/15	50	
	MPR 3 R0.2 L10/L15	3.1	1.4	0.7	0.2	10/15	50	
	MPR 4 R0.05 L10/L15/L22	4.1	1.9	0.8	0.05	10/15/22	50	
	MPR 4 R0.1 L10/L15/L22	4.1	1.9	0.8	0.1	10/15/22	50	
	MPR 4 R0.15 L10/L15/L22	4.1	1.9	0.8	0.15	10/15/22	50	
	MPR 4 R0.2 L10/L15/L22	4.1	1.9	0.8	0.2	10/15/22	50	
	MPR 4 R0.2 L30	4.1	1.9	0.8	0.2	30	60	
	MPR 4 R0.2 L35/L40	4.1	1.9	0.8	0.2	35/40	75	
5.0	MPR 4 R0.2 L45/L55	4.1	1.9	0.8	0.2	45/55	100	
	MPR 5 R0.1 L15/L22	5.1	2.4	1.2	0.1	15/22	50	
	MPR 5 R0.1 L30	5.1	2.4	1.2	0.1	30	60	
	MPR 5 R0.15 L15/L22	5.1	2.4	1.2	0.15	15/22	50	
	MPR 5 R0.2 L15/L22	5.1	2.4	1.2	0.2	15/22	50	
	MPR 5 R0.2 L30	5.1	2.4	1.2	0.2	30	60	
6.0	MPR 6 R0.1 L15/L22	6.1	2.9	1.4	0.1	15/22	50	
	MPR 6 R0.1 L25/L30	6.1	2.9	1.4	0.1	25/30	60	
	MPR 6 R0.1 L35	6.1	2.9	1.4	0.1	35	75	
	MPR 6 R0.2 L15/L22	6.1	2.9	1.4	0.2	15/22	50	
	MPR 6 R0.2 L25/L30	6.1	2.9	1.4	0.2	25/30	60	
	MPR 6 R0.2 L35/L40	6.1	2.9	1.4	0.2	35/40	75	
7.0	MPR 6 R0.2 L45/L55	6.1	2.9	1.4	0.2	45/55	100	
	MPR 7 R0.1 L25/L30	7.1	3.4	1.5	0.1	25/30	60	
	MPR 7 R0.2 L25/L30	7.1	3.4	1.5	0.2	25/30	60	
8.0	MPR 7 R0.1 L15/L25/L30	7.1	3.4	1.5	0.1	15/25/30	60	
	MPR 7 R0.2 L15/L25/L30	7.1	3.4	1.5	0.2	15/25/30	60	
	MPR 8 R0.1 L15/L25/L30	8.1	3.9	1.6	0.1	15/25/30	60	
	MPR 8 R0.1 L35/40	8.1	3.9	1.6	0.1	35/40	75	
	MPR 8 R0.2 L15/L25/L30	8.1	3.9	1.6	0.2	15/25/30	60	
	MPR 8 R0.2 L35/L40	8.1	3.9	1.6	0.2	35/40	75	
	MPR 8 R0.2 L45/L55	8.1	3.9	1.6	0.2	45/55	100	
10.0	MPR 10 R0.2 L35/L40	10.1	4.9	2.0	0.2	35/40	75	
	MPR 10 R0.2 L45/L55	10.1	4.9	2.0	0.2	45/55	100	

图例：右刀



MQR微型通用车削镗刀 Profiling Turning

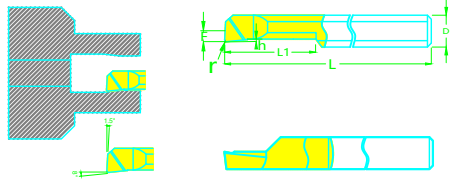


柄部直径 (shank D)	订货型号 designation	φ (min) 最小孔径	基本尺寸 dimensions					
			F	h	R	L1	L	
4.0	MQR 3 R0.05 L10/L15	3.1	1.4	0.8	0.05	10/15	50	
	MQR 3 R0.1 L10/L15	3.1	1.4	0.8	0.1	10/15	50	
	MQR 3 R0.2 L10/L15	3.1	1.4	0.8	0.2	10/15	50	
	MQR 4 R0.05 L10/L15	4.1	1.9	1.0	0.05	10/15	50	
	MQR 4 R0.1 L10/L15	4.1	1.9	1.0	0.1	10/15	50	
	MQR 4 R0.15 L10/L15	4.1	1.9	1.0	0.15	10/15	50	
	MQR 4 R0.2 L15/L22	4.1	1.9	1.0	0.2	10/15	50	
	MQR 4 R0.2 L30	4.1	1.9	1.0	0.2	30	60	
	MQR 4 R0.2 L35/L40	4.1	1.9	1.0	0.2	35/40	75	
	MQR 4 R0.2 L45/L55	4.1	1.9	1.0	0.2	45/55	100	
5.0	MQR 5 R0.05 L15/L22	5.1	2.4	1.3	0.05	15/22	50	
	MQR 5 R0.1 L15/L22	5.1	2.4	1.3	0.1	15/22	50	
	MQR 5 R0.15 L15/L22	5.1	2.4	1.3	0.15	15/22	50	
	MQR 5 R0.2 L15/L22	5.1	2.4	1.3	0.2	15/22	50	
	MQR 5 R0.2 L30	5.1	2.4	1.3	0.2	30	60	
	MQR 5 R0.2 L35/L40	5.1	2.4	1.3	0.2	35/40	75	
6.0	MQR 5 R0.2 L45/L55	5.1	2.4	1.3	0.2	45/55	100	
	MQR 6 R0.1 L15/L22	6.1	2.9	1.6	0.1	15/22	50	
	MQR 6 R0.1 L30	6.1	2.9	1.6	0.1	30	60	
	MQR 6 R0.2 L15/L22	6.1	2.9	1.6	0.2	15/22	50	
	MQR 6 R0.2 L35/L40	6.1	2.9	1.6	0.2	35/40	75	
	MQR 6 R0.2 L45/L55	6.1	2.9	1.6	0.2	45/55	100	
8.0	MQR 8 R0.1 L22/L30	8.1	3.9	1.9	0.1	22/30	60	
	MQR 8 R0.1 L35/L40	8.1	3.9	1.9	0.1	35/40	75	
	MQR 8 R0.2 L22/L30	8.1	3.9	1.9	0.2	22/30	60	
	MQR 8 R0.2 L35/L40	8.1	3.9	1.9	0.2	35/40	75	
	MQR 8 R0.2 L45/L55	8.1	3.9	1.9	0.2	45/55	75	
	MQR 10 R0.1 L35/L40	10.1	4.9	2.2	0.1	35/40	75	
10.0	MQR 10 R0.1 L45/L55	10.1	4.9	2.2	0.1	45/55	100	
	MQR 10 R0.2 L35/L40	10.1	4.9	2.2	0.2	35/40	75	
	MQR 10 R0.2 L45/L55	10.1	4.9	2.2	0.2	45/55	100	
	MQR 12 R0.2 L35/L40	12.1	5.9	2.5	0.2	35/40	75	
12.0	MQR 12 R0.2 L45/L55	12.1	5.9	2.5	0.2	45/55	100	

图例：右刀



MUR微型平底仿形车削镗刀 Profiling

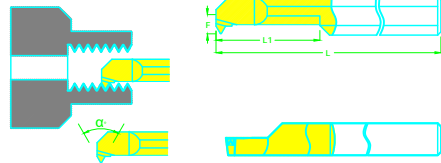


柄部直径 (shank D)	订货型号 designation		ϕ (min) 最小孔径	基本尺寸 dimensions					
				F	h	R	L1	L	
4.0	MUR 3	R0.05 L10/L15	3.1	1.4	0.5	0.05	10/15	50	
	MUR 3	R0.1 L10/L15	3.1	1.4	0.5	0.1	10/15	50	
	MUR 3	R0.2 L10/L15	3.1	1.4	0.5	0.2	10/15	50	
	MUR 4	R0.1 L15/L22	4.1	1.9	0.5	0.1	15/22	50	
	MUR 4	R0.15 L15/L22	4.1	1.9	0.5	0.15	15/22	50	
	MUR 4	R0.2 L15/L22	4.1	1.9	0.5	0.2	15/22	50	
	MUR 4	R0.2 L30	4.1	1.9	0.5	0.2	30	60	
	MUR 4	R0.2 L35/L40	4.1	1.9	0.5	0.2	35/40	75	
5.0	MUR 4	R0.2 L45/L55	4.1	1.9	0.5	0.2	45/55	100	
	MUR 5	R0.1 L15/L22	5.1	2.4	0.6	0.1	15/22	50	
	MUR 5	R0.15 L15/L22	5.1	2.4	0.6	0.15	15/22	50	
	MUR 5	R0.2 L15/L22	5.1	2.4	0.6	0.2	15/22	50	
	MUR 5	R0.2 L30	5.1	2.4	0.6	0.2	30	60	
	MUR 5	R0.2 L35/L40	5.1	2.4	0.6	0.2	35/40	75	
	MUR 5	R0.2 L45/L55	5.1	2.4	0.6	0.2	15/22	100	
	MUR 6	R0.1 L15/L22	6.1	2.9	0.7	0.1	15/22	50	
6.0	MUR 6	R0.1 L30	6.1	2.9	0.7	0.1	30	60	
	MUR 6	R0.2 L15/L22	6.1	2.9	0.7	0.2	15/22	50	
	MUR 6	R0.2 L30	6.1	2.9	0.7	0.2	30	60	
	MUR 6	R0.2 L35/L40	6.1	2.9	0.7	0.2	35/40	75	
	MUR 6	R0.2 L45/L55	6.1	2.9	0.7	0.2	45/55	100	
	MUR 7	R0.1 L22/L30	7.1	3.4	0.8	0.1	22/30	60	
	MUR 7	R0.2 L22/L30	7.1	3.4	0.8	0.2	22/30	60	
	MUR 8	R0.1 L22/L30	8.1	3.9	0.9	0.1	22/30	60	
8.0	MUR 8	R0.1 L35/L40	8.1	3.9	0.9	0.1	35/40	75	
	MUR 8	R0.2 L22/L30	8.1	3.9	0.9	0.2	22/30	60	
	MUR 8	R0.2 L35/L40	8.1	3.9	0.9	0.2	35/40	75	
	MUR 8	R0.2 L45/L55	8.1	3.9	0.9	0.2	45/55	100	
	MUR 10	R0.1 L35/L40	10.1	4.9	1.1	0.1	35/40	75	
	MUR 10	R0.1 L45/L55	10.1	4.9	1.1	0.1	45/55	100	
	MUR 10	R0.2 L35/L40	10.1	4.9	1.1	0.2	35/40	75	
	MUR 10	R0.2 L45/L55	10.1	4.9	1.1	0.2	45/55	100	

图例：右刀



MIR微型内孔泛牙螺纹镗刀 Grooving

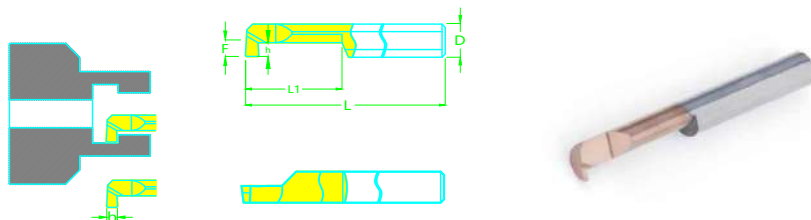


柄部直径 (shank D)	订货型号 designation		ϕ (min) 最小孔径	螺距 pitch		基本尺寸 dimensions				
				mm	牙数/英寸 TPI	F	α	L1	L	
4.0	MIR 3	A55 L10/L15	3.1	0.5-1.0	48-24	1.4	55°	10/15	50	
	MIR 4	A55 L10/L15/L22	4.1	0.5-1.0	48-24	1.9	55°	10/15/22	50	
	MIR 4	A55 L30	4.1	0.5-1.0	48-24	1.9	55°	30	60	
	MIR 4	A55 L35/L40	4.1	0.5-1.0	48-24	1.9	55°	35/40	75	
	MIR 4	A55 L45/L55	4.1	0.5-1.0	48-24	1.9	55°	45/55	100	
5.0	MIR 5	A55 L15/L22	5.1	0.5-1.25	48-20	2.4	55°	15/22	50	
6.0	MIR 6	A55 L15/L22	6.1	0.5-1.5	48-16	2.9	55°	15/22	50	
	MIR 6	A55 L30	6.1	0.5-1.5	48-16	2.9	55°	30	60	
	MIR 6	A55 L35/L40	6.1	0.5-1.5	48-16	2.9	55°	35/40	75	
	MIR 6	A55 L45/L55	6.1	0.5-1.5	48-16	2.9	55°	45/55	100	
8.0	MIR 8	A55 L22/L30	8.1	0.5-1.75	48-12	3.9	55°	22/30	60	
	MIR 8	A55 L35/L40	8.1	0.5-1.75	48-12	3.9	55°	35/40	75	
	MIR 8	A55 L45/L55	8.1	0.5-1.75	48-12	3.9	55°	45/55	100	
4.0	MIR 1.4	A60 L5	1.5	0.3-0.4	72-56	0.6	60°	5	50	
	MIR 1.9	A60 L8	2.0	0.3-0.5	56-32	0.9	60°	8	50	
	MIR 2.4	A60 L10	2.5	0.3-0.6	48-28	1.1	60°	10	50	
	MIR 3.0	A60 L10/L15	3.1	0.5-0.8	32-24	1.4	60°	10/15	50	
	MIR 4.0	A60 L10/L15/L22	4.1	0.7-1.0	32-24	1.9	60°	10/15/22	50	
	MIR 4.0	A60 L30	4.1	0.7-1.0	32-24	1.9	60°	30	60	
	MIR 4.0	A60 L35/L40	4.1	0.7-1.0	32-24	1.9	60°	35/40	75	
	MIR 4.0	A60 L45/L55	4.1	0.7-1.0	32-24	1.9	60°	45/55	100	
5.0	MIR 5.0	A60 L15/L22	5.1	1.0-1.25	24-20	2.4	60°	15/22	50	
6.0	MIR 6.0	A60 L15/L22	6.1	1.0-1.5	24-20	2.9	60°	15/22	50	
	MIR 6.0	A60 L30	6.1	1.0-1.5	24-20	2.9	60°	30	60	
	MIR 6.0	A60 L35/L40	6.1	1.0-1.5	24-20	2.9	60°	35/40	75	
	MIR 6.0	A60 L45/L55	6.1	1.0-1.5	24-20	2.9	60°	45/55	100	
8.0	MIR 8.0	A60 L22/L30	8.1	1.0-2.0	20-14	3.9	60°	22/30	60	
	MIR 8.0	A60 L35/L40	8.1	1.0-2.0	20-14	3.9	60°	35/40	75	
	MIR 8.0	A60 L45/L45	8.1	1.0-2.0	20-14	3.9	60°	45/55	100	

图例：右刀



MGR微型通用径向槽刀 Grooving

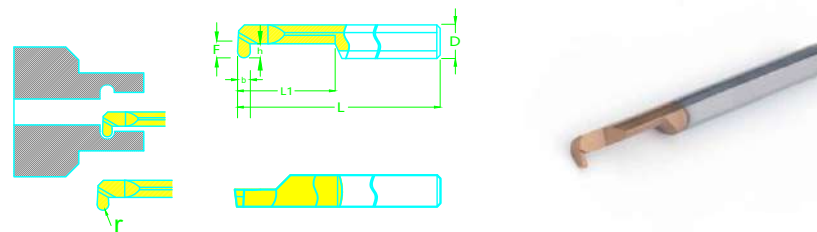


柄部直径 (shank D)	订货型号 designation	ϕ (min) 最小孔径	基本尺寸 dimensions					
			b	h	F	L1	L	
4.0	MGR 3 B0.5 L10/L15	3.1	0.5	1.0	1.3	10/15	50	
	MGR 3 B0.75 L10/L15	3.1	0.7	1.0	1.3	10/15	50	
	MGR 3 B1.0 L10/L15	3.1	1.0	1.2	1.3	10/15	50	
	MGR 3 B1.5 L10/L15	3.1	1.5	1.2	1.3	10/15	50	
	MGR 4 B0.5 L10/L15	4.1	0.5	1.0	1.8	10/15	50	
	MGR 4 B0.75 L10/L15	4.1	0.75	1.2	1.8	10/15	50	
	MGR 4 B1.0 L10/L15	4.1	1.0	1.2	1.8	10/15	50	
	MGR 4 B1.5 L10/L15	4.1	1.5	1.5	1.8	10/15	50	
	MGR 4 B2.0 L15/L22	4.1	2.0	1.5	1.8	15/22	50	
5.0	MGR 4 B2.0 L30	4.1	2.0	1.5	1.8	30	60	
	MGR 4 B2.0 L35/L40	4.1	2.0	1.5	1.8	35/40	75	
	MGR 5 B1.0 L15/L22	5.1	1.0	1.5	2.3	15/22	50	
	MGR 5 B1.0 L30	5.1	1.0	1.5	2.3	30	60	
	MGR 5 B1.5 L15/L22	5.1	1.5	1.5	2.3	15/22	50	
	MGR 5 B1.5 L30	5.1	1.5	1.5	2.3	30	60	
6.0	MGR 5 B2.0 L15/L22	5.1	2.0	2.0	2.3	15/22	50	
	MGR 5 B2.0 L30	5.1	2.0	2.0	2.3	30	60	
	MGR 6 B1.0 L15/L22	6.1	1.0	1.5	2.8	15/22	50	
	MGR 6 B1.0 L30	6.1	1.0	1.5	2.8	30	60	
	MGR 6 B1.5 L15/L22	6.1	1.5	1.8	2.8	15/22	50	
	MGR 6 B1.5 L30	6.1	1.5	1.8	2.8	30	60	
7.0	MGR 6 B2.0 L15/L22	6.1	2.0	2.2	2.8	15/22	50	
	MGR 6 B2.0 L30	6.1	2.0	2.2	2.8	30	60	
	MGR 6 B2.0 L35/L40	6.1	2.0	2.2	2.8	35/40	75	
	MGR 7 B1.0 L15/L22	7.1	1.0	1.5	3.3	15/22	60	
	MGR 7 B1.0 L30	7.1	1.0	1.5	3.3	30	60	
	MGR 7 B1.5 L15/L22	7.1	1.5	2.0	3.3	15/22	60	
8.0	MGR 7 B1.5 L30	7.1	1.5	2.0	3.3	30	60	
	MGR 7 B2.0 L15/L22	7.1	2.0	2.5	3.3	15/22	60	
	MGR 7 B2.0 L30	7.1	2.0	2.5	3.3	30	60	
	MGR 8 B1.0 L22/L30	8.1	1.0	1.5	3.8	22/30	60	
	MGR 8 B1.5 L22/L30	8.1	1.5	2.0	3.8	22/30	60	
	MGR 8 B2.0 L22/L30	8.1	2.0	2.5	3.8	22/30	60	
10.0	MGR 8 B2.5 L22/L30	8.1	2.5	3.0	3.8	22/30	60	
	MGR 8 B3.0 L22/L30	8.1	3.0	3.0	3.8	22/30	60	
	MGR 8 B3.0 L35/L40	8.1	3.0	3.0	3.8	35/40	75	
	MGR 8 B3.0 L45/L55	8.1	3.0	3.0	3.8	45/55	100	
	MGR 10 B2.0 L30/L40	10.1	2.0	2.5	4.8	30/40	75	
	MGR 10 B3.0 L30/L40	10.1	3.0	3.0	4.8	30/40	75	
	MGR 10 B3.0 L45/L55	10.1	3.0	3.0	4.8	45/55	100	

图例：右刀



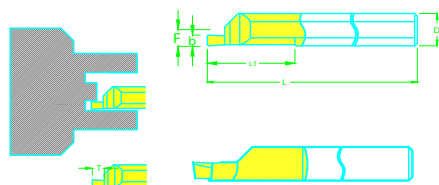
MKR微型内孔圆头径向槽刀 Grooving



柄部直径 (shank D)	订货型号 designation	ϕ (min) 最小孔径	基本尺寸 dimensions						
			r	b	h	F	L1	L	
4.0	MKR 4 R0.3 L10/L15	4.1	0.3	0.6	1.0	1.8	10/15	50	
	MKR 4 R0.4 L10/L15	4.1	0.4	0.8	1.0	1.8	10/15	50	
	MKR 4 R0.5 L10/L15	4.1	0.5	1.0	1.2	1.8	10/15	50	
	MKR 4 R0.75 L10/L15	4.1	0.75	1.5	1.7	1.8	10/15	50	
	MKR 4 R0.75 L30	4.1	0.75	1.5	1.7	1.8	30	60	
	MKR 4 R0.75 L35/L40	4.1	0.75	1.5	1.7	1.8	35/40	75	
5.0	MKR 5 R0.5 L15/L22	5.1	0.5	1.0	1.2	2.3	15/22	50	
	MKR 5 R0.75 L15/L22	5.1	0.75	1.5	1.7	2.3	15/22	50	
	MKR 5 R1.0 L15/L22	5.1	1.0	2.0	2.2	2.3	15/22	50	
6.0	MKR 6 R0.5 L15/L22	6.1	0.5	1.0	1.5	2.8	15/22	50	
	MKR 6 R0.6 L15/L22	6.1	0.6	1.2	1.5	2.8	15/22	50	
	MKR 6 R0.75 L15/L22	6.1	0.75	1.5	1.7	2.8	15/22	50	
	MKR 6 R1.0 L15/L22	6.1	1.0	2.0	2.3	2.8	15/22	50	
	MKR 6 R1.0 L30	6.1	1.0	2.0	2.3	2.8	30	60	
	MKR 6 R1.0 L35/L40	6.1	1.0	2.0	2.3	2.8	35/40	75	
8.0	MKR 6 R1.0 L45/L55	6.1	1.0	2.0	2.3	2.8	45/55	100	
	MKR 8 R0.5 L22/L30	8.1	0.5	1.0	1.5	3.8	22/30	60	
	MKR 8 R0.6 L22/L30	8.1	0.6	1.2	1.5	3.8	22/30	60	
	MKR 8 R0.75 L22/L30	8.1	0.75	1.5	2.0	3.8	22/30	60	
	MKR 8 R1.0 L22/L30	8.1	1.0	2.0	2.5	3.8	22/30	60	
	MKR 8 R1.0 L35/L40	8.1	1.0	2.0	2.5	3.8	35/40	75	
	MKR 8 R1.0 L45/L55	8.1	1.0	2.0	2.5	3.8	45/55	100	

图例：右刀

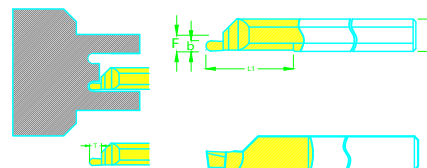
MFR/L微型通用轴向槽刀 Face Grooving



柄部直径 (shank D)	订货型号 designation	φ (min) 最小孔径	基本尺寸 dimensions					
			b	T	F	L1	L	
4.0	MFR 4 B0.5 L10/L15	5	0.5	1.2	1.95	10/15	50	
	MFR 4 B0.75 L10/L15	5	0.75	1.5	1.95	10/15	50	
	MFR 4 B1.0 L10/L15	5	1.0	2.0	1.95	10/15	50	
	MFR 4 B1.5 L10/L15	5	1.5	2.5	1.95	10/15	50	
	MFR 4 B2.0 L10/L15	5	2.0	3.0	1.95	10/15	50	
	MFR 4 B2.0 L30	5	2.0	3.0	1.95	30	60	
5.0	MFR 4 B2.0 L35/L40	5	2.0	3.0	1.95	35/40	75	
	MFR 5 B0.5 L15/L22	6	0.5	1.2	2.45	15/22	50	
	MFR 5 B0.75 L15/L22	6	0.75	1.2	2.45	15/22	50	
	MFR 5 B1.0 L15/L22	6	1.0	1.8	2.45	15/22	50	
	MFR 5 B1.5 L15/L22	6	1.5	2.5	2.45	15/22	50	
	MFR 5 B2.0 L15/L22	6	2.0	3.5	2.45	15/22	50	
6.0	MFR 6 B1.0 L15/L22	8	1.0	2.0	2.95	15/22	50	
	MFR 6 B1.5 L15/L22	8	1.5	2.5	2.95	15/22	50	
	MFR 6 B2.0 L15/L22	8	2.0	3.5	2.95	15/22	50	
	MFR 6 B2.5 L15/L22	8	2.5	4.5	2.95	15/22	50	
	MFR 6 B3.0 L15/L22	8	3.0	5.5	2.95	15/22	50	
	MFR 6 B3.0 L30	8	3.0	5.5	2.95	30	60	
8.0	MFR 6 B3.0 L35/L40	8	3.0	5.5	2.95	35/40	75	
	MFR 8 B2.0 L22/L30	10	2.0	3.5	3.95	22/30	60	
	MFR 8 B2.5 L22/L30	10	2.5	4.5	3.95	22/30	60	
	MFR 8 B3.0 L22/L30	10	3.0	5.5	3.95	22/30	60	
	MFR 8 B3.0 L35/L40	10	3.0	5.5	3.95	35/40	75	
	MFR 8 B3.0 L45/L55	10	3.0	5.5	3.95	45/55	100	
4.0	MFL 4 B0.5 L10/L15	5	0.5	1.2	1.95	10/15	50	
	MFL 4 B0.75 L10/L15	5	0.75	1.5	1.95	10/15	50	
	MFL 4 B1.0 L10/L15	5	1.0	2.0	1.95	10/15	50	
	MFL 4 B1.5 L10/L15	5	1.5	2.5	1.95	10/15	50	
	MFL 5 B0.5 L15/L22	6	0.5	1.2	2.45	15/22	50	
	MFL 5 B0.75 L15/L22	6	0.75	1.5	2.45	15/22	50	
5.0	MFL 5 B1.0 L15/L22	6	1.0	2.0	2.45	15/22	50	
	MFL 5 B1.5 L15/L22	6	1.5	2.5	2.45	15/22	50	
	MFL 5 B2.0 L15/L22	6	2.0	3.5	2.45	15/22	50	
	MFL 6 B1.0 L15/L22	8	1.0	2	2.95	15/22	50	
	MFL 6 B1.5 L15/L22	8	1.5	2.5	2.95	15/22	50	
	MFL 6 B2.0 L15/L22	8	2.0	3.5	2.95	15/22	50	
6.0	MFL 6 B2.5 L15/L22	8	2.5	4.5	2.95	15/22	50	
	MFL 6 B3.0 L15/L22	8	3.0	5.5	2.95	15/22	50	
	MFL 8 B2.0 L22/L30	10	2.0	3.5	3.95	22/30	60	
	MFL 8 B2.5 L22/L30	10	2.5	4.5	3.95	22/30	60	
	MFL 8 B3.0 L22/L30	10	3.0	5.5	3.95	22/30	60	

图例：右刀

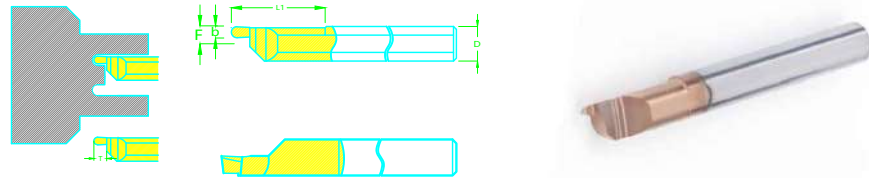
MZR微型通用轴向圆头槽刀 Face Grooving



柄部直径 (shank D)	订货型号 designation	φ (min) 最小孔径	基本尺寸 dimensions					
			r	b	T	F	L1	L
4.0	MZR 4 R0.3 L15	5.0	0.3	0.6	1.1	1.95	15	50
	MZR 4 R0.4 L15	5.0	0.4	0.8	1.3	1.95	15	50
	MZR 4 R0.5 L15	5.0	0.5	1.0	1.5	1.95	15	50
	MZR 4 R0.75 L15	5.0	0.75	1.5	2.2	1.95	15	50
	MZR 4 R1.0 L15/L22	5.0	1.0	2.0	3.0	1.95	15/22	50
	MZR 4 R1.0 L30	5.0	1.0	2.0	3.0	1.95	30	60
5.0	MZR 4 R1.0 L35/L40	5.0	1.0	2.0	3.0	1.95	35/40	75
	MZR 5 R0.3 L22	6.0	0.3	0.6	1.1	2.45	22	50
	MZR 5 R0.4 L22	6.0	0.4	0.8	1.3	2.45	22	50
	MZR 5 R0.5 L22	6.0	0.5	1.0	1.5	2.45	22	50
	MZR 5 R0.75 L22	6.0	0.75	1.5	2.2	2.45	22	50
	MZR 5 R1.0 L22	6.0	1.0	2.0	3.0	2.45	22	50
6.0	MZR 5 R1.25 L22	6.0	1.25	2.5	3.5	2.45	22	50
	MZR 5 R1.5 L22	6.0	1.5	3.0	3.5	2.45	22	50
	MZR 6 R0.3 L22	8.0	0.3	0.6	1.1	2.95	22	50
	MZR 6 R0.4 L22	8.0	0.4	0.8	1.3	2.95	22	50
	MZR 6 R0.5 L22	8.0	0.5	1.0	1.5	2.95	22	50
	MZR 6 R0.75 L22	8.0	0.75	1.5	2.2	2.95	22	50
8.0	MZR 6 R1.0 L22	8.0	1.0	2.0	3.0	2.95	22	50
	MZR 6 R1.25 L22	8.0	1.25	2.5	3.5	2.95	22	50
	MZR 6 R1.5 L22	8.0	1.5	3.0	3.5	2.95	22	50
	MZR 6 R1.5 L30	8.0	1.5	3.0	3.5	2.95	30	60
	MZR 6 R1.5 L35/L40	8.0	1.5	3.0	3.5	2.95	35/40	75
	MZR 6 R1.5 L45/L55	8.0	1.5	3.0	3.5	2.95	45/55	100
8.0	MZR 8 R0.5 L22/L30	10.0	0.5	1.0	1.5	3.95	22/30	60
	MZR 8 R0.75 L22/L30	10.0	0.75	1.5	2.2	3.95	22/30	60
	MZR 8 R1.0 L22/L30	10.0	1.0	2.0	3.0	3.95	22/30	60
	MZR 8 R1.25 L22/L30	10.0	1.25	2.5	3.5	3.95	22/30	60
	MZR 8 R1.5 L22/L30	10.0	1.5	3.0	3.5	3.95	22/30	60
	MZR 8 R2.0 L22/L30	10.0	2.0	4.0	4.5	3.95	22/30	60
8.0	MZR 8 R2.0 L35/L40	10.0	2.0	4.0	4.5	3.95	35/40	75
	MZR 8 R2.0 L45/L55	10.0	2.0	4.0	4.5	3.95	45/55	100

图例：右刀

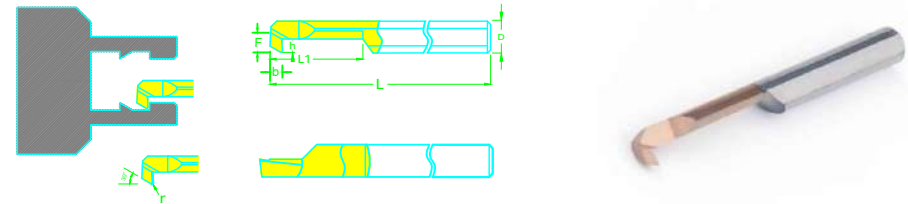
MZL微型通用轴向圆头槽刀 Face Grooving



柄部直径 (shank D)	订货型号 designation	ϕ (min) 最小孔径	基本尺寸 dimensions						
			r	b	T	F	L1	L	
4.0	MZL 4 R0.3 L15	5.0	0.3	0.6	0.8	1.95	15	50	
	MZL 4 R0.4 L15	5.0	0.4	0.8	1.0	1.95	15	50	
	MZL 4 R0.5 L15	5.0	0.5	1.0	1.2	1.95	15	50	
	MZL 4 R0.75 L15	5.0	0.75	1.5	1.7	1.95	15	50	
	MZL 4 R1.0 L15	5.0	1.0	2.0	2.2	1.95	15	50	
5.0	MZL 5 R0.3 L22	6.0	0.3	0.6	0.8	2.45	22	50	
	MZL 5 R0.4 L22	6.0	0.4	0.8	1.0	2.45	22	50	
	MZL 5 R0.5 L22	6.0	0.5	1.0	1.2	2.45	22	50	
	MZL 5 R0.75 L22	6.0	0.75	1.5	1.7	2.45	22	50	
	MZL 5 R1.0 L22	6.0	1.0	2.0	2.2	2.45	22	50	
	MZL 5 R1.25 L22	6.0	1.25	2.5	2.7	2.45	22	50	
	MZL 5 R1.5 L22	6.0	1.5	3.0	3.2	2.45	22	50	
6.0	MZL 6 R0.3 L22	8.0	0.3	0.6	0.8	2.95	22	50	
	MZL 6 R0.4 L22	8.0	0.4	0.8	1.0	2.95	22	50	
	MZL 6 R0.5 L22	8.0	0.5	1.0	1.2	2.95	22	50	
	MZL 6 R0.75 L22	8.0	0.75	1.5	1.7	2.95	22	50	
	MZL 6 R1.0 L22	8.0	1.0	2.0	2.2	2.95	22	50	
	MZL 6 R1.25 L22	8.0	1.25	2.5	2.7	2.95	22	50	
8.0	MZL 8 R0.5 L30	10.0	0.5	1.0	1.2	3.95	30	60	
	MZL 8 R0.75 L30	10.0	0.75	1.5	1.7	3.95	30	60	
	MZL 8 R1.0 L30	10.0	1.0	2.0	2.2	3.95	30	60	
	MZL 8 R1.25 L30	10.0	1.25	2.5	2.7	3.95	30	60	
	MZL 8 R1.5 L30	10.0	1.5	3.0	3.2	3.95	30	60	
	MZL 8 R2.0 L30	10.0	2.0	4.0	4.2	3.95	30	60	

图例：左刀

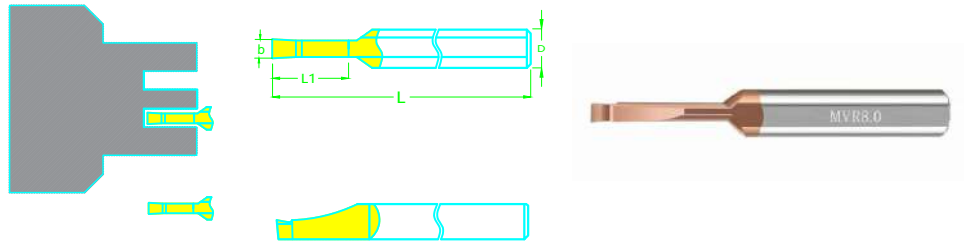
MXR微型反向车削镗刀 Profiling



柄部直径 (shank D)	订货型号 designation	ϕ (min) 最小孔径	基本尺寸 dimensions				
			F	h	R	L1	L
4.0	MXR 4 B1.0 R0.1 L10/L15	4.1	1.8	1.2	0.1	10/15	50
	MXR 4 B1.0 R0.2 L10/L15	4.1	1.8	1.2	0.2	10/15	50
	MXR 4 B1.5 R0.1 L10/L15	4.1	1.8	1.2	0.1	10/15	50
	MXR 4 B1.5 R0.2 L10/L15	4.1	1.8	1.2	0.2	10/15	50
	MXR 5 B1.0 R0.1 L15/L22	5.1	2.3	1.5	0.1	15/22	50
5.0	MXR 5 B1.0 R0.2 L15/L22	5.1	2.3	1.5	0.2	15/22	50
	MXR 5 B1.5 R0.1 L15/L22	5.1	2.3	1.5	0.1	15/22	50
	MXR 5 B1.5 R0.2 L15/L22	5.1	2.3	1.5	0.2	15/22	50
	MXR 6 B1.0 R0.1 L15/L22	6.1	2.8	2.0	0.1	15/22	50
	MXR 6 B1.0 R0.2 L15/L22	6.1	2.8	2.0	0.2	15/22	50
6.0	MXR 6 B1.5 R0.1 L15/L22	6.1	2.8	2.0	0.1	15/22	50
	MXR 6 B1.5 R0.2 L15/L22	6.1	2.8	2.0	0.2	15/22	50
	MXR 6 B2.0 R0.1 L15/L22	6.1	2.8	2.0	0.1	15/22	50
	MXR 6 B2.0 R0.2 L15/L22	6.1	2.8	2.0	0.2	15/22	50

图例：右刀

MVR微型端面深槽镗刀 Face Grooving



柄部直径 (shank D)	订货型号 designation	φ (min) 最小孔径	基本尺寸 dimensions		
			b	L1	L
4.0	MVR 4 B1.5 L10	6.1	1.5	10	50
	MVR 4 B1.5 L15	6.1	1.5	15	50
	MVR 4 B2.0 L10	6.1	2.0	10	50
	MVR 4 B2.0 L15	6.1	2.0	15	50
	MVR 4 B2.0 L22	6.1	2.0	22	50
	MVR 4 B2.0 L15/L22	6.1	2.0	15/22	60
6.0	MVR 4 B3.0 L15/L22	8.1	3.0	15/22	75
	MVR 6 B1.5 L10/L15	8.1	1.5	10/15	50
	MVR 6 B2.0 L10/L15	8.1	2.0	10/15	50
	MVR 6 B2.0 L22	8.1	2.0	22	50
	MVR 6 B2.0 L30	8.1	2.0	30	60
	MVR 6 B2.0 L30	8.1	2.0	30	75
8.0	MVR 6 B2.5 L15/L22	8.1	2.5	15/22	50
	MVR 6 B2.5 L30	8.1	2.5	30	60
	MVR 6 B2.5 L30	8.1	2.5	30	75
	MVR 8 B2.0 L15/L22	10.1	2.0	15/22	60
	MVR 8 B3.0 L15/L22	10.1	3.0	15/22	60
	MVR 8 B4.0 L15/L22	10.1	4.0	15/22	60
	MVR 8 B4.0 L30	10.1	4.0	30	75

图例：右刀

推荐参数表 Cutting Speed

材料类型 IOS Standard	材料分组 Material	材料特性 Condition	推荐参数表 Cutting Speed			悬伸量
			线速度Vc	切削深度Ap	切削速度F	
P 钢材料	P01-P10	↑硬 ↓软	30-60	0.02-0.1	0.01-0.05	3-5
	P10-P20		35-70	0.02-0.4	0.01-0.05	
	P20-P30		40-80	0.05-0.5	0.02-0.08	
	P30-P40		45-90	0.05-0.5	0.05-0.1	
M 不锈钢材料	M01-M10	↑硬 ↓软	20-35	0.02-0.1	0.01-0.05	3-5
	M10-P20		25-45	0.02-0.2	0.01-0.05	
	M20-M30		35-60	0.05-0.4	0.02-0.08	
	M30-M40		40-80	0.05-0.5	0.05-0.1	
K 铸铁材料	K01-K10	↑硬 ↓软	30-40	0.05-0.2	0.02-0.05	3-5
	K10-K20		40-60	0.1-0.4	0.02-0.08	
	K20-K30		50-70	0.1-0.8	0.05-0.1	
N 有色金属	N01-N10	↑硬 ↓软	30-45	0.05-0.2	0.02-0.05	3-5
	N10-N20		40-90	0.05-0.5	0.02-0.08	
	N20-N30		60-120	0.05-0.8	0.05-0.12	