

HY Cutting Tools

Professional Micro Internal Tooling Manufacturer & Supplier



About us

Founded with a commitment to excellence, HY Cutting Tools is a professional manufacturer specializing in high-performance carbide cutting tools. With over 15 years of industry expertise, we integrate design, R&D, production, and sales to deliver precision-engineered solutions trusted by clients worldwide.

Our product portfolio covers carbide end mills, turning tools, milling cutters, tapping tools, tool holders, drill bits, and customized tools, all designed to meet the highest standards of performance and durability.

Equipped with world-class five-axis CNC grinding machines from Germany (WALTER), Australia (ANCA), and Switzerland (Rollomatic), we ensure exceptional accuracy, consistency, and durability in every tool we produce. Our products serve a wide range of industries - from automotive and aerospace to electronics, medical, mold manufacturing, and furniture production - helping customers improve efficiency, precision, and performance.

At HY Cutting Tools, we believe quality builds trust, reputation drives growth, and service creates value. Guided by this philosophy, we continue to expand our global reach, with products exported to the United States, Europe, South America, Southeast Asia, and the Middle East.



PRODUCT CATALOG

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Solid Carbide Small Diameter Boring Tool Series

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MTR Solid Carbide Small Hole Boring Tool - Bronze 1

⊙ = 最佳 Best ○ = 适合 Good

P			H				K	M	N				S	
碳素钢	合金钢	预硬钢	淬火钢 Hardened Steel				铸铁	不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	Prehardened Steel	~48HRC	~55HRC	~60HRC	~65HRC	Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic		
⊙	⊙	○	○				○	⊙		⊙				○



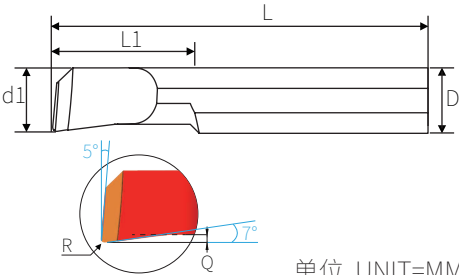
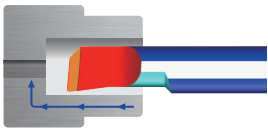
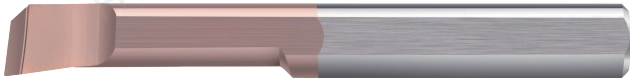
单位 UNIT=MM

产品编码	型号	刃径d1	R	切深Q	避空长L1	柄径D	总长L
MTR08R005L3.00450	MTR0.9	0.8	0.05	0.1	3.0	4.0	50
MTR09R005L3.00450	MTR1.0	0.9	0.05	0.1	3.0		
MTR11R005L4.00450	MTR1.2	1.1	0.05	0.15	4.0		
MTR13R005L5.00450	MTR1.4	1.3	0.05	0.15	5.0		
MTR15R005L6.00450	MTR1.6	1.5	0.05	0.2	6.0		
MTR17R005L7.00450	MTR1.8	1.7	0.05	0.2	7.0		
MTR17R020L7.00450	MTR1.8	1.7	0.1	0.2	7.0		
MTR19R005L8.00450	MTR2.0	1.9	0.05	0.25	8.0		
MTR19R010L8.00450	MTR2.0	1.9	0.1	0.25	8.0		
MTR19R010L100450	MTR2.0	1.9	0.1	0.25	10		
MTR24R005L100450	MTR2.5	2.4	0.05	0.35	10		
MTR24R010L100450	MTR2.5	2.4	0.1	0.35	10		
MTR28R005L8.00450	MTR3.0	2.8	0.05	0.35	8.0		
MTR28R005L120450	MTR3.0	2.8	0.05	0.35	12		
MTR28R005L150450	MTR3.0	2.8	0.05	0.35	15		
MTR28R010L8.00450	MTR3.0	2.8	0.1	0.35	8.0		
MTR28R010L100450	MTR3.0	2.8	0.1	0.35	10		
MTR28R010L120450	MTR3.0	2.8	0.1	0.35	12		
MTR28R010L150450	MTR3.0	2.8	0.1	0.35	15		
MTR28R015L8.00450	MTR3.0	2.8	0.15	0.35	8.0		
MTR28R015L120450	MTR3.0	2.8	0.15	0.35	12		
MTR28R015L150450	MTR3.0	2.8	0.15	0.35	15		
MTR28R020L0800450	MTR3.0	2.8	0.2	0.35	8.0		
MTR28R020L150450	MTR3.0	2.8	0.2	0.35	15		
MTR28R020L1000450	MTR3.0	2.8	0.2	0.35	10		
MTR34R005L150450	MTR3.5	3.4	0.05	0.35	15		
MTR34R010L150450	MTR3.5	3.4	0.1	0.35	15		
MTR34R015L150450	MTR3.5	3.4	0.15	0.35	15		
MTR34R020L120450	MTR3.5	3.4	0.2	0.35	12		
MTR34R020L150450	MTR3.5	3.4	0.2	0.35	15		
MTR34R020L220450	MTR3.5	3.4	0.2	0.35	22		
MTR39R005L100450	MTR4.0	3.9	0.05	0.45	10		
MTR39R005L150450	MTR4.0	3.9	0.05	0.45	15		
MTR39R005L220450	MTR4.0	3.9	0.05	0.45	22		
MTR39R010L100450	MTR4.0	3.9	0.1	0.45	10		
MTR39R010L150450	MTR4.0	3.9		0.45	15		

MTR Solid Carbide Small Hole Boring Tool - Bronze 2

⊙ = 最佳 Best ○ = 适合 Good

P			H				K	M	N				S	
碳素钢	合金钢	预硬钢	淬火钢 Hardened Steel				铸铁	不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	Prehardened Steel	~48HRC	~55HRC	~60HRC	~65HRC	Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic		
⊙	⊙	○	○				○	⊙		⊙				○



单位 UNIT=MM

产品编码	型号	刃径d1	R	切深Q	避空长L1	柄径D	总长L
MTR39R010L220450	MTR4.0	3.9	0.1	0.45	22	4.0	50
MTR39R015L100450	MTR4.0	3.9	0.15	0.45	10		
MTR39R015L150450	MTR4.0	3.9	0.15	0.45	15		
MTR39R015L220450	MTR4.0	3.9	0.15	0.45	22		
MTR39R020L100450	MTR4.0	3.9	0.2	0.45	10		
MTR39R020L150450	MTR4.0	3.9	0.2	0.45	15		
MTR39R020L220450	MTR4.0	3.9	0.2	0.45	22		
MTR39R020L200475	MTR4.0	3.9	0.2	0.45	20		
MTR39R020L2504100	MTR4.0	3.9	0.2	0.45	25		
MTR39R040L100550	MTR4.0	3.9	0.4	0.45	10		
MTR39R04L1500550	MTR4.0	3.9	0.4	0.45	15	5.0	50
MTR44R020L150550	MTR4.5	4.4	0.2	0.5	15		
MTR45R020L150550	MTR4.6	4.5	0.2	0.5	15		
MTR45R020L220550	MTR4.6	4.5	0.2	0.5	22		
MTR49R005L150550	MTR5.0	4.9	0.05	0.55	15		
MTR49R005L220550	MTR5.0	4.9	0.05	0.55	22		
MTR49R010L150550	MTR5.0	4.9	0.1	0.55	15		
MTR49R010L220550	MTR5.0	4.9	0.1	0.55	22		
MTR49R020L150550	MTR5.0	4.9	0.2	0.55	15		
MTR49R020L200550	MTR5.0	4.9	0.2	0.55	20		
MTR49R020L220550	MTR5.0	4.9	0.2	0.55	22	6.0	50
MTR49R020L300560	MTR5.0	4.9	0.2	0.55	30		
MTR49R020L250575	MTR5.0	4.9	0.2	0.55	25		
MTR49R020L3005100	MTR5.0	4.9	0.2	0.55	30		
MTR49R040L150550	MTR5.0	4.9	0.4	0.55	15		
MTR49R040L200550	MTR5.0	4.9	0.4	0.55	20		
MTR54R020L200650	MTR5.5	5.4	0.2	0.65	20		
MTR59R005L150650	MTR6.0	5.9	0.05	0.65	15		
MTR59R005L220650	MTR6.0	5.9	0.05	0.65	22		
MTR59R010L150650	MTR6.0	5.9	0.1	0.65	15		
MTR59R010L220650	MTR6.0	5.9	0.1	0.65	22	6.0	50
MTR59R020L150650	MTR6.0	5.9	0.2	0.65	15		
MTR59R020L220650	MTR6.0	5.9	0.2	0.65	22		
MTR59R020L300660	MTR6.0	5.9	0.2	0.65	30		
MTR59R020L300675	MTR6.0	5.9	0.2	0.65	25		
MTR59R020L3006100	MTR6.0	5.9	0.2	0.65	30		
						75	
						100	

MTR Solid Carbide Small Hole Boring Tool - Bronze 3

◎ = 最佳 Best ○ = 适合 Good

P			H				K	M	N				S	
碳素钢	合金钢	预硬钢	淬火钢 Hardened Steel				铸铁	不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	Prehardened Steel	~48HRC	~55HRC	~60HRC	~65HRC	Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic		
◎	◎	○	○				○	◎		◎				○



单位 UNIT=MM

产品编码	型号	刃径d1	R	切深Q	避让长L1	柄径D	总长L
MTR59R040L150650	MTR6.0	5.9	0.4	0.65	15	6.0	50
MTR59R040L220650	MTR6.0	5.9	0.4	0.65	22		
MTR69R020L220860	MTR7.0	6.9	0.2	0.75	22	8.0	60
MTR69R020L250860	MTR7.0	6.9	0.2	0.75	25		
MTR69R020L300860	MTR7.0	6.9	0.2	0.75	30		
MTR79R010L300860	MTR8.0	7.9	0.1	0.85	30		
MTR79R020L220860	MTR8.0	7.9	0.2	0.85	22		
MTR79R020L300860	MTR8.0	7.9	0.2	0.85	30	8.0	100
MTR79R020L3008100	MTR8.0	7.9	0.2	0.85	30		
MTR99R020L351075	MTR10	9.9	0.2	1.05	35	10	75
MTR99R020L5010100	MTR10	9.9	0.2	1.05	50	10	100
MTR119R020L351275	MTR12	11.9	0.2	1.25	35	12	75
MTR119R020L3512100	MTR12	11.9	0.2	1.25	50	12	100

MTR Solid Carbide Small Hole Boring Tool - Champagne 1

⊙ = 最佳 Best ○ = 适合 Good

P		H		K	M		N				S	
碳素钢	合金钢	淬火钢	Hardened Steel	铸铁	马氏体不锈钢	奥氏体不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	~48HRC	~55HRC	Cast Iron	Martensitic Stainless Steel	Austenitic Stainless Steel	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	Superalloy	Titanium Alloy
					○	⊙	⊙					⊙



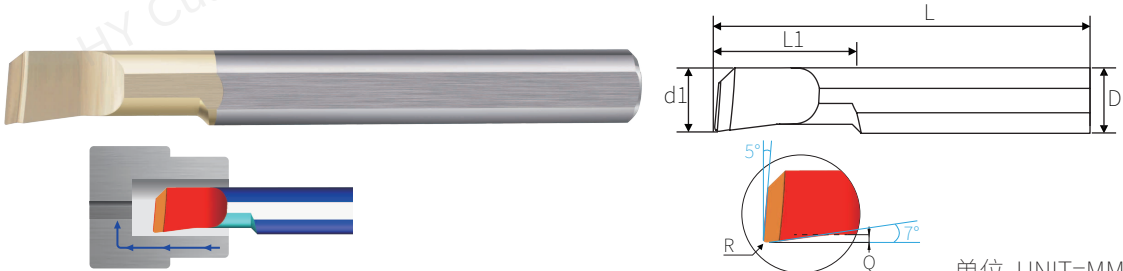
单位 UNIT=MM

产品编码	型号	刃径d1	R	切深Q	避空长L1	柄径D	总长L
MTR08R005L3.00450 X	MTR0.9	0.8	0.05	0.1	3.0	4.0	50
MTR09R005L3.00450 X	MTR1.0	0.9	0.05	0.1	3.0		
MTR11R005L4.00450 X	MTR1.2	1.1	0.05	0.15	4.0		
MTR13R005L5.00450 X	MTR1.4	1.3	0.05	0.15	5.0		
MTR15R005L6.00450 X	MTR1.6	1.5	0.05	0.2	6.0		
MTR17R005L7.00450 X	MTR1.8	1.7	0.05	0.2	7.0		
MTR17R020L7.00450 X	MTR1.8	1.7	0.1	0.2	7.0		
MTR19R005L8.00450 X	MTR2.0	1.9	0.05	0.25	8.0		
MTR19R010L8.00450 X	MTR2.0	1.9	0.1	0.25	8.0		
MTR24R005L10.00450 X	MTR2.5	2.4	0.05	0.35	10		
MTR24R010L10.00450 X	MTR2.5	2.4	0.1	0.35	10		
MTR28R005L8.00450 X	MTR3.0	2.8	0.05	0.35	8.0		
MTR28R005L12.00450 X	MTR3.0	2.8	0.05	0.35	12		
MTR28R005L15.00450 X	MTR3.0	2.8	0.05	0.35	15		
MTR28R010L8.00450 X	MTR3.0	2.8	0.1	0.35	8.0		
MTR28R010L10.00450 X	MTR3.0	2.8	0.1	0.35	10		
MTR28R010L12.00450 X	MTR3.0	2.8	0.1	0.35	12		
MTR28R010L15.00450 X	MTR3.0	2.8	0.1	0.35	15		
MTR28R015L8.00450 X	MTR3.0	2.8	0.15	0.35	8.0		
MTR28R015L12.00450 X	MTR3.0	2.8	0.15	0.35	12		
MTR28R015L15.00450 X	MTR3.0	2.8	0.15	0.35	15		
MTR28R020L0800450 X	MTR3.0	2.8	0.2	0.35	8.0		
MTR28R020L15.00450 X	MTR3.0	2.8	0.2	0.35	15		
MTR28R020L1000450 X	MTR3.0	2.8	0.2	0.35	10		
MTR34R005L15.00450 X	MTR3.5	3.4	0.05	0.35	15		
MTR34R010L15.00450 X	MTR3.5	3.4	0.1	0.35	15		
MTR34R015L15.00450 X	MTR3.5	3.4	0.15	0.35	15		
MTR34R020L12.00450 X	MTR3.5	3.4	0.2	0.35	12		
MTR34R020L15.00450 X	MTR3.5	3.4	0.2	0.35	15		
MTR34R020L22.00450 X	MTR3.5	3.4	0.2	0.35	22		
MTR39R005L10.00450 X	MTR4.0	3.9	0.05	0.45	10		
MTR39R005L15.00450 X	MTR4.0	3.9	0.05	0.45	15		
MTR39R005L22.00450 X	MTR4.0	3.9	0.05	0.45	22		
MTR39R010L10.00450 X	MTR4.0	3.9	0.1	0.45	10		
MTR39R010L15.00450 X	MTR4.0	3.9	0.1	0.45	15		
MTR39R010L22.00450 X	MTR4.0	3.9		0.45	22		

MTR Solid Carbide Small Hole Boring Tool - Champagne 2

⊙ = 最佳 Best ○ = 适合 Good

P		H		K	M		N				S	
碳素钢	合金钢	淬火钢	Hardened Steel	铸铁	马氏体不锈钢	奥氏体不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	~48HRC	~55HRC	Cast Iron	Martensitic Stainless Steel	Austenitic Stainless Steel	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	Superalloy	Titanium Alloy
					○	⊙	⊙					⊙



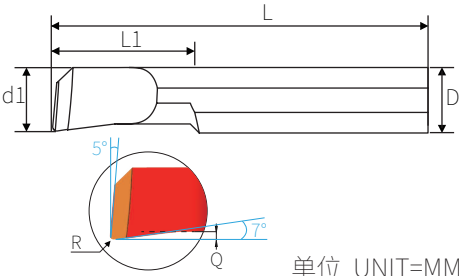
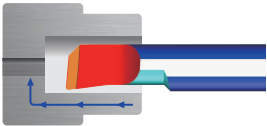
单位 UNIT=MM

产品编码	型号	刃径d1	R	切深Q	避空长L1	柄径D	总长L
MTR39R015L100450 X	MTR4.0	3.9	0.15	0.45	10	4.0	50
MTR39R015L150450 X	MTR4.0	3.9	0.15	0.45	15		
MTR39R015L220450 X	MTR4.0	3.9	0.15	0.45	22		
MTR39R020L100450 X	MTR4.0	3.9	0.2	0.45	10		
MTR39R020L150450 X	MTR4.0	3.9	0.2	0.45	15		75
MTR39R020L220450 X	MTR4.0	3.9	0.2	0.45	22		
MTR39R020L200475 X	MTR4.0	3.9	0.2	0.45	20		
MTR39R020L2504100 X	MTR4.0	3.9	0.2	0.45	25		100
MTR44R020L150550 X	MTR4.5	4.4	0.2	0.5	15	5.0	50
MTR45R020L150550 X	MTR4.6	4.5	0.2	0.5	15		
MTR45R020L220550 X	MTR4.6	4.5	0.2	0.5	22		
MTR49R005L150550 X	MTR5.0	4.9	0.05	0.55	15		
MTR49R005L220550 X	MTR5.0	4.9	0.05	0.55	22		
MTR49R010L150550 X	MTR5.0	4.9	0.1	0.55	15		
MTR49R010L220550 X	MTR5.0	4.9	0.1	0.55	22		
MTR49R020L150550 X	MTR5.0	4.9	0.2	0.55	15		
MTR49R020L200550 X	MTR5.0	4.9	0.2	0.55	20		60
MTR49R020L220550 X	MTR5.0	4.9	0.2	0.55	22		
MTR49R020L300560 X	MTR5.0	4.9	0.2	0.55	30		
MTR49R020L250575 X	MTR5.0	4.9	0.2	0.55	25		
MTR49R020L3005100 X	MTR5.0	4.9	0.2	0.55	30		75
MTR49R040L150550 X	MTR5.0	4.9	0.4	0.55	30		
MTR49R040L200550 X	MTR5.0	4.9	0.4	0.55	30		
MTR54R020L200650 X	MTR5.5	5.4	0.2	0.65	20	6.0	50
MTR59R005L150650 X	MTR6.0	5.9	0.05	0.65	15		
MTR59R005L220650 X	MTR6.0	5.9	0.05	0.65	22		
MTR59R010L150650 X	MTR6.0	5.9	0.1	0.65	15		
MTR59R010L220650 X	MTR6.0	5.9	0.1	0.65	22		
MTR59R020L150650 X	MTR6.0	5.9	0.2	0.65	15		
MTR59R020L220650 X	MTR6.0	5.9	0.2	0.65	22		
MTR59R020L300660 X	MTR6.0	5.9	0.2	0.65	30		60
MTR59R020L300675 X	MTR6.0	5.9	0.2	0.65	25		
MTR59R020L3006100 X	MTR6.0	5.9	0.2	0.65	30		
MTR59R040L150650 X	MTR6.0	5.9	0.4	0.65	15		75
MTR59R040L220650 X	MTR6.0	5.9	0.4	0.65	22		
MTR69R020L220860 X	MTR7.0	6.9	0.2	0.75	22		

MTR Solid Carbide Small Hole Boring Tool - Champagne 3

⊙ = 最佳 Best ○ = 适合 Good

P		H		K	M		N				S	
碳素钢	合金钢	淬火钢	Hardened Steel	铸铁	马氏体不锈钢	奥氏体不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	~48HRC	~55HRC	Cast Iron	Martensitic Stainless Steel	Austenitic Stainless Steel	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	Superalloy	Titanium Alloy
					○	⊙	⊙					⊙



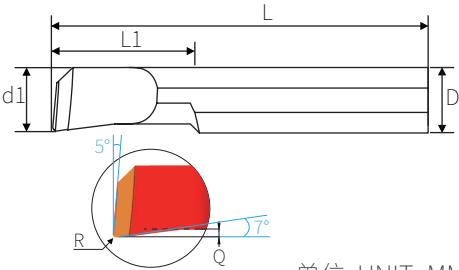
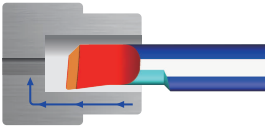
单位 UNIT=MM

产品编码	型号	刃径d1	R	切深Q	避空长L1	柄径D	总长L
MTR69R020L250860 X	MTR7.0	6.9	0.2	0.75	25	8.0	60
MTR69R020L300860 X	MTR7.0	6.9	0.2	0.75	30		
MTR79R010L300860 X	MTR8.0	7.9	0.1	0.85	30		
MTR79R020L220860 X	MTR8.0	7.9	0.2	0.85	22		
MTR79R020L300860 X	MTR8.0	7.9	0.2	0.85	30		
MTR79R020L3008100 X	MTR8.0	7.9	0.2	0.85	30	10	100
MTR99R020L351075 X	MTR10	9.9	0.2	1.05	35		75
MTR99R020L5010100 X	MTR10	9.9	0.2	1.05	50		100
MTR119R020L351275 X	MTR12	11.9	0.2	1.25	35	12	75
MTR119R020L3512100 X	MTR12	11.9	0.2	1.25	50		100

MTR Solid Carbide Small Hole Boring Tool - Gray Black 1

⊙ = 最佳 Best ○ = 适合 Good

P			H				K	M	N				S	
碳素钢	合金钢	预硬钢	淬火钢 Hardened Steel				铸铁	不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	Prehardened Steel	~48HRC	~55HRC	~60HRC	~65HRC	Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic		
⊙	⊙	○	○				⊙	⊙					○	○



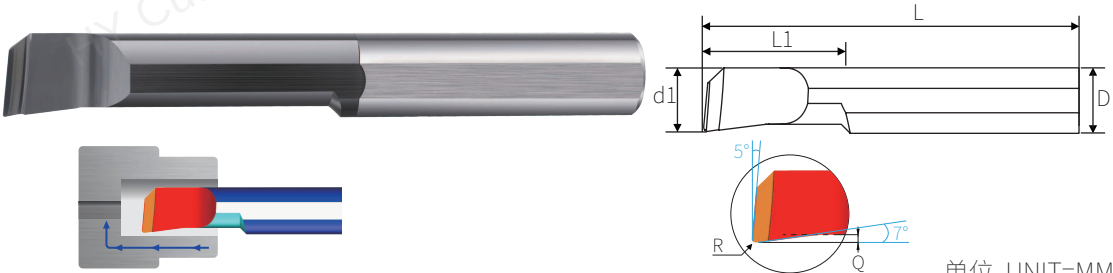
单位 UNIT=MM

产品编码	型号	刃径d1	R	切深Q	避空长L1	柄径D	总长L
MTR08R005L3.00450 D	MTR0.9	0.8	0.05	0.1	3.0	4.0	50
MTR09R005L3.00450 D	MTR1.0	0.9	0.05	0.1	3.0		
MTR11R005L4.00450 D	MTR1.2	1.1	0.05	0.15	4.0		
MTR13R005L5.00450 D	MTR1.4	1.3	0.05	0.15	5.0		
MTR15R005L6.00450 D	MTR1.6	1.5	0.05	0.2	6.0		
MTR17R005L7.00450 D	MTR1.8	1.7	0.05	0.2	7.0		
MTR17R020L7.00450 D	MTR1.8	1.7	0.1	0.2	7.0		
MTR19R005L8.00450 D	MTR2.0	1.9	0.05	0.25	8.0		
MTR19R010L8.00450 D	MTR2.0	1.9	0.1	0.25	8.0		
MTR24R005L10.00450 D	MTR2.5	2.4	0.05	0.35	10		
MTR24R010L10.00450 D	MTR2.5	2.4	0.1	0.35	10		
MTR28R005L8.00450 D	MTR3.0	2.8	0.05	0.35	8.0		
MTR28R005L12.0450 D	MTR3.0	2.8	0.05	0.35	12		
MTR28R005L15.0450 D	MTR3.0	2.8	0.05	0.35	15		
MTR28R010L8.00450 D	MTR3.0	2.8	0.1	0.35	8.0		
MTR28R010L10.00450 D	MTR3.0	2.8	0.1	0.35	10		
MTR28R010L12.0450 D	MTR3.0	2.8	0.1	0.35	12		
MTR28R010L15.0450 D	MTR3.0	2.8	0.1	0.35	15		
MTR28R015L8.00450 D	MTR3.0	2.8	0.15	0.35	8.0		
MTR28R015L12.0450 D	MTR3.0	2.8	0.15	0.35	12		
MTR28R015L15.0450 D	MTR3.0	2.8	0.15	0.35	15		
MTR28R020L0800450 D	MTR3.0	2.8	0.2	0.35	8.0		
MTR28R020L15.0450 D	MTR3.0	2.8	0.2	0.35	15		
MTR28R020L1000450 D	MTR3.0	2.8	0.2	0.35	10		
MTR34R005L15.0450 D	MTR3.5	3.4	0.05	0.35	15		
MTR34R010L15.0450 D	MTR3.5	3.4	0.1	0.35	15		
MTR34R015L15.0450 D	MTR3.5	3.4	0.15	0.35	15		
MTR34R020L12.0450 D	MTR3.5	3.4	0.2	0.35	12		
MTR34R020L15.0450 D	MTR3.5	3.4	0.2	0.35	15		
MTR34R020L22.0450 D	MTR3.5	3.4	0.2	0.35	22		
MTR39R005L10.0450 D	MTR4.0	3.9	0.05	0.45	10		
MTR39R005L15.0450 D	MTR4.0	3.9	0.05	0.45	15		
MTR39R005L22.0450 D	MTR4.0	3.9	0.05	0.45	22		
MTR39R010L10.0450 D	MTR4.0	3.9	0.1	0.45	10		
MTR39R010L15.0450 D	MTR4.0	3.9	0.1	0.45	15		
MTR39R010L22.0450 D	MTR4.0	3.9		0.45	22		

MTR Solid Carbide Small Hole Boring Tool - Gray Black 2

⊙ = 最佳 Best ○ = 适合 Good

P			H				K	M	N				S	
碳素钢	合金钢	预硬钢	淬火钢 Hardened Steel				铸铁	不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	Prehardened Steel					Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic		
⊙	⊙	○	○				⊙	⊙					○	○



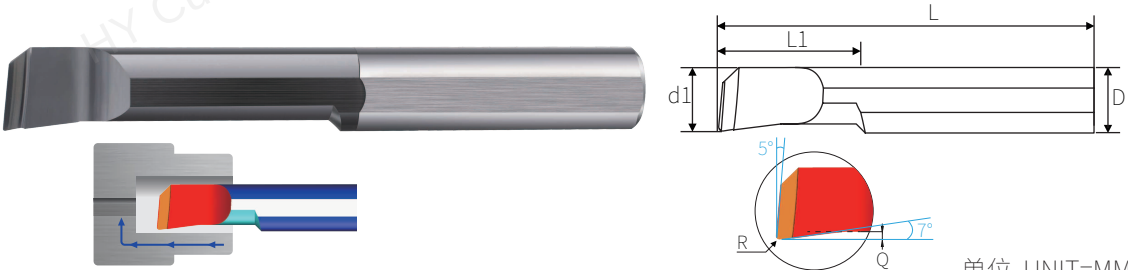
单位 UNIT=MM

产品编码	型号	刃径d1	R	切深Q	避空长L1	柄径D	总长L	
MTR39R015L100450 D	MTR4.0	3.9	0.15	0.45	10	4.0	50	
MTR39R015L150450 D	MTR4.0	3.9	0.15	0.45	15			
MTR39R015L220450 D	MTR4.0	3.9	0.15	0.45	22			
MTR39R020L100450 D	MTR4.0	3.9	0.2	0.45	10			
MTR39R020L150450 D	MTR4.0	3.9	0.2	0.45	15			
MTR39R020L220450 D	MTR4.0	3.9	0.2	0.45	22			
MTR39R020L200475 D	MTR4.0	3.9	0.2	0.45	20		75	
MTR39R020L2504100 D	MTR4.0	3.9	0.2	0.45	25		100	
MTR44R020L150550 D	MTR4.5	4.4	0.2	0.5	15	5.0	50	
MTR45R020L150550 D	MTR4.6	4.5	0.2	0.5	15			
MTR45R020L220550 D	MTR4.6	4.5	0.2	0.5	22			
MTR49R005L150550 D	MTR5.0	4.9	0.05	0.55	15			
MTR49R005L220550 D	MTR5.0	4.9	0.05	0.55	22			
MTR49R010L150550 D	MTR5.0	4.9	0.1	0.55	15			
MTR49R010L220550 D	MTR5.0	4.9	0.1	0.55	22			
MTR49R020L150550 D	MTR5.0	4.9	0.2	0.55	15			
MTR49R020L200550 D	MTR5.0	4.9	0.2	0.55	20			
MTR49R020L220550 D	MTR5.0	4.9	0.2	0.55	22			
MTR49R020L300560 D	MTR5.0	4.9	0.2	0.55	30		60	
MTR49R020L250575 D	MTR5.0	4.9	0.2	0.55	25		75	
MTR49R020L3005100 D	MTR5.0	4.9	0.2	0.55	30		100	
MTR49R040L150550 D	MTR5.0	4.9	0.4	0.55	30		6.0	50
MTR49R040L200550 D	MTR5.0	4.9	0.4	0.55	30			
MTR54R020L200650 D	MTR5.5	5.4	0.2	0.65	20			
MTR59R005L150650 D	MTR6.0	5.9	0.05	0.65	15			
MTR59R005L220650 D	MTR6.0	5.9	0.05	0.65	22			
MTR59R010L150650 D	MTR6.0	5.9	0.1	0.65	15			
MTR59R010L220650 D	MTR6.0	5.9	0.1	0.65	22			
MTR59R020L150650 D	MTR6.0	5.9	0.2	0.65	15			
MTR59R020L220650 D	MTR6.0	5.9	0.2	0.65	22			
MTR59R020L300660 D	MTR6.0	5.9	0.2	0.65	30	60		
MTR59R020L300675 D	MTR6.0	5.9	0.2	0.65	25	75		
MTR59R020L3006100 D	MTR6.0	5.9	0.2	0.65	30	100		
MTR59R040L150650 D	MTR6.0	5.9	0.4	0.65	15	50		
MTR59R040L220650 D	MTR6.0	5.9	0.4	0.65	22			
MTR69R020L220860 D	MTR7.0	6.9	0.2	0.75	22	8.0	60	

MTR Solid Carbide Small Hole Boring Tool - Gray Black 3

◎ = 最佳 Best ○ = 适合 Good

P			H				K	M	N				S	
碳素钢	合金钢	预硬钢	淬硬钢 Hardened Steel				铸铁	不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	Prehardened Steel					Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic		
◎	◎	○	○				◎	◎					○	○

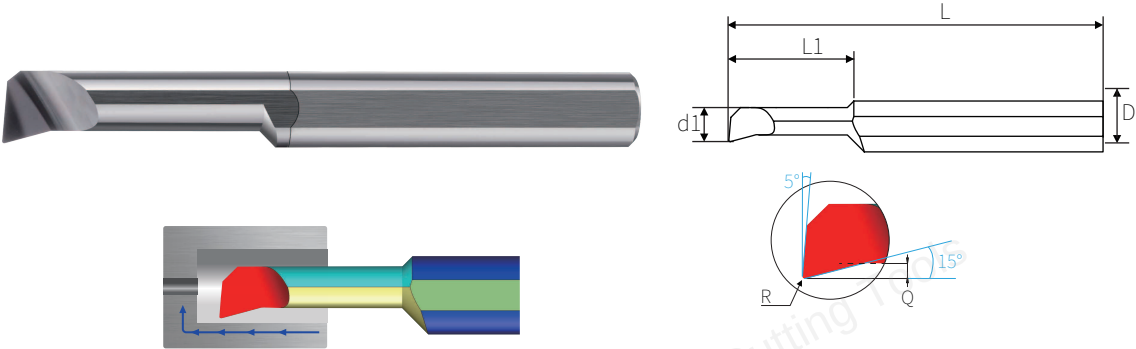


产品编码	型号	刃径d1	R	切深Q	避空长L1	柄径D	总长L
MTR69R020L250860 D	MTR7.0	6.9	0.2	0.75	25	8.0	60
MTR69R020L300860 D	MTR7.0	6.9	0.2	0.75	30		
MTR79R010L300860 D	MTR8.0	7.9	0.1	0.85	30		
MTR79R020L220860 D	MTR8.0	7.9	0.2	0.85	22		
MTR79R020L300860 D	MTR8.0	7.9	0.2	0.85	30		
MTR79R020L3008100 D	MTR8.0	7.9	0.2	0.85	30	10	100
MTR99R020L351075 D	MTR10	9.9	0.2	1.05	35		75
MTR99R020L5010100 D	MTR10	9.9	0.2	1.05	50	12	100
MTR119R020L351275 D	MTR12	11.9	0.2	1.25	35		75
MTR119R020L3512100 D	MTR12	11.9	0.2	1.25	50		100

MNR Solid Carbide Non-Slotted Small Hole Boring Tool - Gray Black

◎ = 最佳 Best ○ = 适合 Good

P			H				K	M	N				S	
碳素钢	合金钢	预硬钢	淬火钢钢 Hardened Steel				铸铁	不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	Prehardened Steel	~48HRC	~55HRC	~60HRC	~65HRC	Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic		
◎	◎	○	○				◎	◎	○	○	○	○		◎



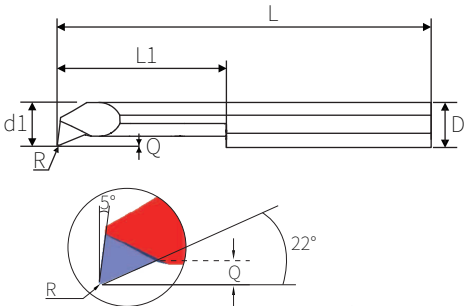
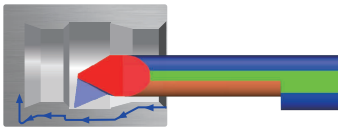
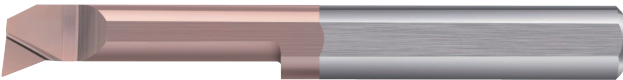
单位 UNIT=MM

产品编码	型号	刃径d1	R	深度Q	避空长L1	柄径D	总长L
MNRO8R005L3.00450	MNR1.0	0.8	0.05	0.2	3.0	4.0	50
MNR12RO10L5.00450	MNR1.5	1.2	0.1	0.25	5.0		
MNR17RO10L7.00450	MNR2.0	1.7	0.1	0.35	7.0		
MNR23RO10L7.00450	MNR2.5	2.3	0.1	0.45	7.0		
MNR23RO10L120450	MNR2.5	2.3	0.1	0.45	12		
MNR27RO10L100450	MNR3.0	2.7	0.1	0.45	10		
MNR27RO10L150450	MNR3.0	2.7	0.1	0.45	15		
MNR32R015L100450	MNR3.5	3.2	0.15	0.5	10		
MNR32R015L150450	MNR3.5	3.2	0.15	0.5	15		
MNR37R015L100450	MNR4.0	3.7	0.15	0.5	10		
MNR37R015L150450	MNR4.0	3.7	0.15	0.5	15		
MNR37R015L200450	MNR4.0	3.7	0.15	0.5	20		
MNR40RO15L150450	MNR4.5	4.0	0.15	0.7	15	6.0	60
MNR40RO15L200450	MNR4.5	4.0	0.15	0.7	20		
MNR47R020L150650	MNR5.0	4.7	0.2	0.8	15		
MNR47R020L200650	MNR5.0	4.7	0.2	0.8	20		
MNR47R020L250650	MNR5.0	4.7	0.2	0.8	25		50
MNR47R020L300660	MNR5.0	4.7	0.2	0.8	30		
MNR52R020L150650	MNR5.5	5.2	0.2	0.9	15		
MNR52R020L200650	MNR5.5	5.2	0.2	0.9	20		
MNR52R020L250650	MNR5.5	5.2	0.2	0.9	25		
MNR57RO20L150650	MNR6.0	5.7	0.2	0.9	15		
MNR57RO20L200650	MNR6.0	5.7	0.2	0.9	20		
MNR57R020L250650	MNR6.0	5.7	0.2	0.9	25		
MNR57R020L300660	MNR6.0	5.7	0.2	0.9	30		60

MPR Solid Carbide Small Hole Profiling Tool (22°) - Bronze 1

⊙ = 最佳 Best ○ = 适合 Good

P			H				K	M	N				S	
碳素钢	合金钢	预硬钢	淬火钢 Hardened Steel				铸铁	不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	Prehardened Steel	~48HRC ~55HRC ~60HRC ~65HRC				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic		
⊙	⊙	○	○				○	⊙		⊙				○



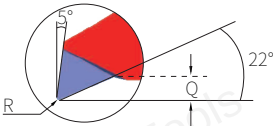
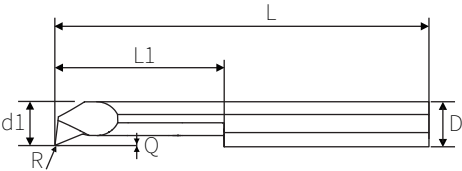
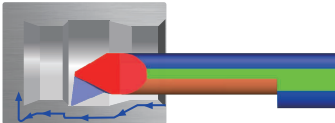
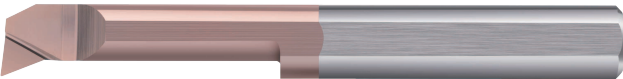
单位 UNIT=MM

产品编码	型号	刃径d1	R	切深Q	避空长L1	柄径D	总长L	
MPR08R005L030450	MPR0.9	0.8	0.05	0.12	3.0	4.0	50	
MPR10R005L030450	MPR1.1	1.0	0.05	0.15	3.0			
MPR12R005L0450450	MPR1.3	1.2	0.05	0.15	4.5			
MPR14R005L050450	MPR1.5	1.4	0.05	0.2	5.0			
MPR16R005L060450	MPR1.7	1.6	0.05	0.3	6.0			
MPR18R005L070450	MPR1.9	1.8	0.05	0.3	7.0			
MPR19R005L080450	MPR2.0	1.9	0.05	0.4	8.0			
MPR19R010L080450	MPR2.0	1.9	0.1	0.4	8.0			
MPR24R005L100450	MPR2.5	2.4	0.05	0.5	10			
MPR24R010L100450	MPR2.5	2.4	0.1	0.5	10			
MPR29R005L080450	MPR3.0	2.9	0.05	0.6	8.0			
MPR29R010L080450	MPR3.0	2.9	0.1	0.6	8.0			
MPR29R015L080450	MPR3.0	2.9	0.15	0.6	8.0			
MPR29R005L120450	MPR3.0	2.9	0.05	0.6	12			
MPR29R010L120450	MPR3.0	2.9	0.1	0.6	12			
MPR29R015L120450	MPR3.0	2.9	0.15	0.6	12			
MPR39R005L100450	MPR4.0	3.9	0.05	0.8	10			
MPR39R010L100450	MPR4.0	3.9	0.1	0.8	10			
MPR39R015L100450	MPR4.0	3.9	0.15	0.8	10			
MPR39R005L150450	MPR4.0	3.9	0.05	0.8	15			
MPR39R010L150450	MPR4.0	3.9	0.1	0.8	15			
MPR39R015L150450	MPR4.0	3.9	0.15	0.8	15			
MPR49R005L150550	MPR5.0	4.9	0.05	1.0	15	5.0	6.0	
MPR49R010L150550	MPR5.0	4.9	0.1	1.0	15			
MPR49R020L150550	MPR5.0	4.9	0.2	1.0	15			
MPR49R005L220550	MPR5.0	4.9	0.05	1.0	22			
MPR49R010L220550	MPR5.0	4.9	0.1	1.0	22			
MPR49R020L220550	MPR5.0	4.9	0.2	1.0	22			
MPR59R005L150650	MPR6.0	5.9	0.05	1.2	15	6.0		
MPR59R010L150650	MPR6.0	5.9	0.1	1.2	15			
MPR59R020L150650	MPR6.0	5.9	0.2	1.2	15			
MPR59R005L220650	MPR6.0	5.9	0.05	1.2	22			

MPR Solid Carbide Small Hole Profiling Tool (22°) - Bronze 2

◎ = 最佳 Best ○ = 适合 Good

P			H				K	M	N				S	
碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬钢 Prehardened Steel	淬火钢 Hardened Steel				铸铁 Cast Iron	不锈钢 Stainless Steels	铝合金 Aluminium Alloys	铜合金 Copper Alloys	塑胶 Plastic Cement	亚克力 Acrylic	高温合金	钛合金
◎	◎	○	○				○	◎		◎				○



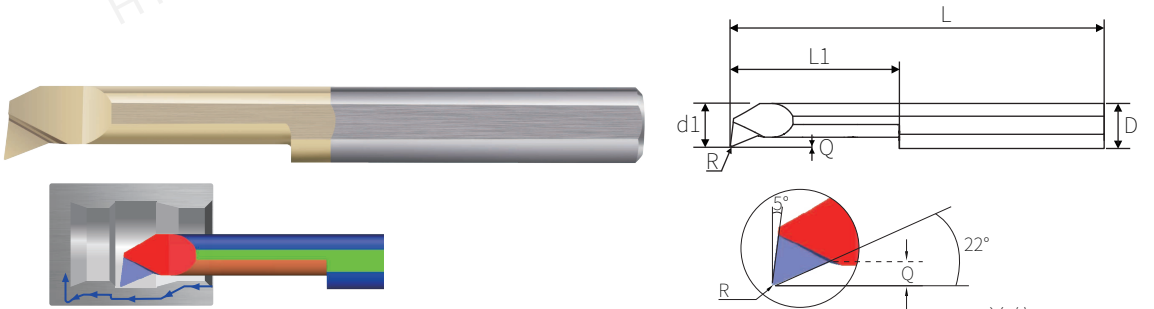
单位 UNIT=MM

产品编码	型号	刀径d1	R	切深Q	避空长L1	柄径D	总长L
MPR59R010L220650	MPR6.0	5.9	0.1	1.2	22	6.0	50
MPR59R020L220650	MPR6.0	5.9	0.2	1.2			
MPR69R010L220860	MPR7.0	6.9	0.1	1.5			
MPR69R020L220860	MPR7.0	6.9	0.2	1.5	30	8.0	60
MPR69R010L300860	MPR7.0	6.9	0.1	1.5			
MPR69R020L300860	MPR7.0	6.9	0.2	1.5			
MPR79R010L220860	MPR8.0	7.9	0.1	1.8	22	8.0	60
MPR79R020L220860	MPR8.0	7.9	0.2	1.8			
MPR79R010L300860	MPR8.0	7.9	0.1	1.8			
MPR79R020L300860	MPR8.0	7.9	0.2	1.8	30		

MPR Solid Carbide Small Hole Profiling Tool (22°) - Champagne 1

⊙ = 最佳 Best ○ = 适合 Good

P		H		K	M		N				S	
碳素钢	合金钢	淬火钢	Hardened Steel	铸铁	马氏体不锈钢	奥氏体不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	~48HRC	~55HRC	Cast Iron	Martensitic Stainless Steel	Austenitic Stainless Steel	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	Superalloy	Titanium Alloy
					○	⊙	⊙					⊙

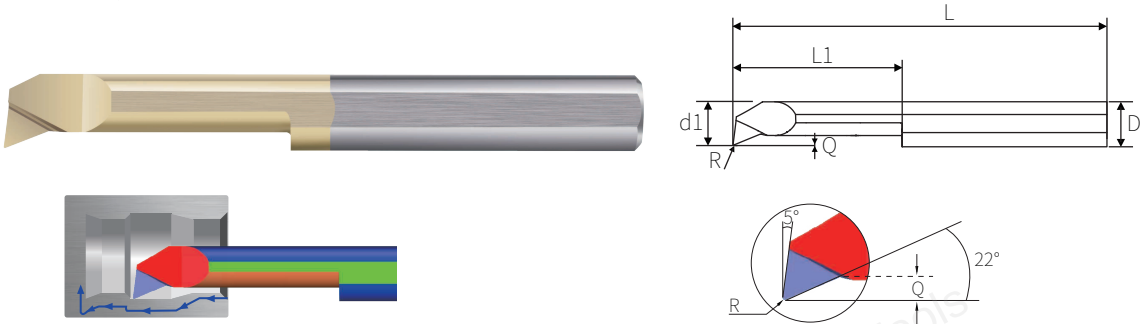


产品编码	型号	刃径d1	R	切深Q	避空长L1	柄径D	总长L
MPR08R005L030450 X	MPR0.9	0.8	0.05	0.12	3.0	4.0	50
MPR10R005L030450 X	MPR1.1	1.0	0.05	0.15	3.0		
MPR12R005L0450450 X	MPR1.3	1.2	0.05	0.15	4.5		
MPR14R005L050450 X	MPR1.5	1.4	0.05	0.2	5.0		
MPR16R005L060450 X	MPR1.7	1.6	0.05	0.3	6.0		
MPR18R005L070450 X	MPR1.9	1.8	0.05	0.3	7.0		
MPR19R005L080450 X	MPR2.0	1.9	0.05	0.4	8.0		
MPR19R010L080450 X	MPR2.0	1.9	0.1	0.4	8.0		
MPR24R005L100450 X	MPR2.5	2.4	0.05	0.5	10		
MPR24R010L100450 X	MPR2.5	2.4	0.1	0.5	10		
MPR29R005L080450 X	MPR3.0	2.9	0.05	0.6	8.0		
MPR29R010L080450 X	MPR3.0	2.9	0.1	0.6	8.0		
MPR29R015L080450 X	MPR3.0	2.9	0.15	0.6	8.0		
MPR29R005L120450 X	MPR3.0	2.9	0.05	0.6	12		
MPR29R010L120450 X	MPR3.0	2.9	0.1	0.6	12		
MPR29R015L120450 X	MPR3.0	2.9	0.15	0.6	12		
MPR39R005L100450 X	MPR4.0	3.9	0.05	0.8	10		
MPR39R010L100450 X	MPR4.0	3.9	0.1	0.8	10		
MPR39R015L100450 X	MPR4.0	3.9	0.15	0.8	10		
MPR39R005L150450 X	MPR4.0	3.9	0.05	0.8	15	5.0	
MPR39R010L150450 X	MPR4.0	3.9	0.1	0.8	15		
MPR39R015L150450 X	MPR4.0	3.9	0.15	0.8	15		
MPR49R005L150550 X	MPR5.0	4.9	0.05	1.0	15		
MPR49R010L150550 X	MPR5.0	4.9	0.1	1.0	15		
MPR49R020L150550 X	MPR5.0	4.9	0.2	1.0	15		
MPR49R005L220550 X	MPR5.0	4.9	0.05	1.0	22	6.0	
MPR49R010L220550 X	MPR5.0	4.9	0.1	1.0	22		
MPR49R020L220550 X	MPR5.0	4.9	0.2	1.0	22		
MPR59R005L150650 X	MPR6.0	5.9	0.05	1.2	15		
MPR59R010L150650 X	MPR6.0	5.9	0.1	1.2	15		
MPR59R020L150650 X	MPR6.0	5.9	0.2	1.2	15	6.0	
MPR59R005L220650 X	MPR6.0	5.9	0.05	1.2	22		

MPR Solid Carbide Small Hole Profiling Tool (22°) - Champagne 2

◎ = 最佳 Best ○ = 适合 Good

P		H		K	M		N				S	
碳素钢	合金钢	淬火锅	Hardened Steel	铸铁	马氏体不锈钢	奥氏体不锈钢	铝合金	铜合金		亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	~48HRC	~55HRC	Cast Iron	Martensitic Stainless Steel	Austenitic Stainless Steel	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	Superalloy	Titanium Alloy
					○	◎	◎					◎



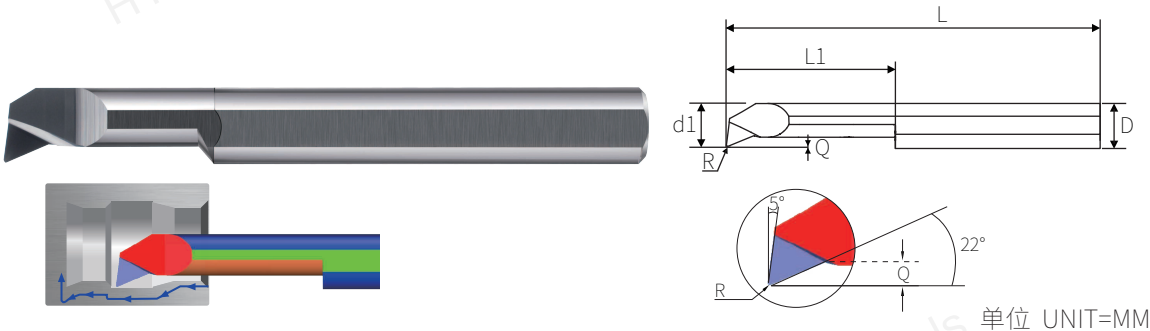
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产品编码	型号	刃径d1	R	切深Q	避空长L1	柄径D	总长L
MPR59R010L220650 X	MPR6.0	5.9	0.1	1.2	22	6.0	50
MPR59R020L220650 X	MPR6.0	5.9	0.2	1.2			
MPR69R010L220860 X	MPR7.0	6.9	0.1	1.5			
MPR69R020L220860 X	MPR7.0	6.9	0.2	1.5	30	8.0	60
MPR69R010L300860 X	MPR7.0	6.9	0.1	1.5			
MPR69R020L300860 X	MPR7.0	6.9	0.2	1.5			
MPR79R010L220860 X	MPR8.0	7.9	0.1	1.8	22	8.0	60
MPR79R020L220860 X	MPR8.0	7.9	0.2	1.8			
MPR79R010L300860 X	MPR8.0	7.9	0.1	1.8			
MPR79R020L300860 X	MPR8.0	7.9	0.2	1.8	30		

MPR Solid Carbide Small Hole Profiling Tool (22°) - Gray Black 1

⊙ = 最佳 Best ○ = 适合 Good

P			H				K	M	N				S	
碳素钢	合金钢	预硬钢	淬火钢 Hardened Steel				铸铁	不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	Prehardened Steel					Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic		
⊙	⊙	○	○				○	⊙		⊙				○



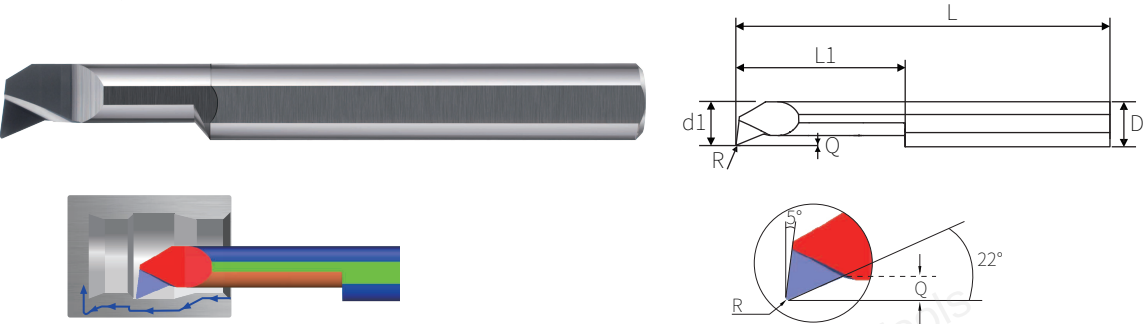
单位 UNIT=MM

产品编码	型号	刃径d1	R	切深Q	避空长L1	柄径D	总长L
MPR08R005L030450 D	MPR0.9	0.8	0.05	0.12	3.0	4.0	50
MPR10R005L030450 D	MPR1.1	1.0	0.05	0.15	3.0		
MPR12R005L0450450 D	MPR1.3	1.2	0.05	0.15	4.5		
MPR14R005L050450 D	MPR1.5	1.4	0.05	0.2	5.0		
MPR16R005L060450 D	MPR1.7	1.6	0.05	0.3	6.0		
MPR18R005L070450 D	MPR1.9	1.8	0.05	0.3	7.0		
MPR19R005L080450 D	MPR2.0	1.9	0.05	0.4	8.0		
MPR19R010L080450 D	MPR2.0	1.9	0.1	0.4	8.0		
MPR24R005L100450 D	MPR2.5	2.4	0.05	0.5	10		
MPR24R010L100450 D	MPR2.5	2.4	0.1	0.5	10		
MPR29R005L080450 D	MPR3.0	2.9	0.05	0.6	8.0		
MPR29R010L080450 D	MPR3.0	2.9	0.1	0.6	8.0		
MPR29R015L080450 D	MPR3.0	2.9	0.15	0.6	8.0		
MPR29R005L120450 D	MPR3.0	2.9	0.05	0.6	12		
MPR29R010L120450 D	MPR3.0	2.9	0.1	0.6	12		
MPR29R015L120450 D	MPR3.0	2.9	0.15	0.6	12		
MPR39R005L100450 D	MPR4.0	3.9	0.05	0.8	10	5.0	
MPR39R010L100450 D	MPR4.0	3.9	0.1	0.8	10		
MPR39R015L100450 D	MPR4.0	3.9	0.15	0.8	10		
MPR39R005L150450 D	MPR4.0	3.9	0.05	0.8	15		
MPR39R010L150450 D	MPR4.0	3.9	0.1	0.8	15		
MPR39R015L150450 D	MPR4.0	3.9	0.15	0.8	15		
MPR49R005L150550 D	MPR5.0	4.9	0.05	1.0	15		
MPR49R010L150550 D	MPR5.0	4.9	0.1	1.0	15		
MPR49R020L150550 D	MPR5.0	4.9	0.2	1.0	15	6.0	
MPR49R005L220550 D	MPR5.0	4.9	0.05	1.0	22		
MPR49R010L220550 D	MPR5.0	4.9	0.1	1.0	22		
MPR49R020L220550 D	MPR5.0	4.9	0.2	1.0	22		
MPR59R005L150650 D	MPR6.0	5.9	0.05	1.2	15	6.0	
MPR59R010L150650 D	MPR6.0	5.9	0.1	1.2	15		
MPR59R020L150650 D	MPR6.0	5.9	0.2	1.2	15		
MPR59R005L220650 D	MPR6.0	5.9	0.05	1.2	22		

MPR Solid Carbide Small Hole Profiling Tool (22°) - Gray Black 2

◎ = 最佳 Best ○ = 适合 Good

P			H				K	M	N				S	
碳素钢 Carbon Steel	合金钢 Alloy Steel	预硬钢 Prehardened Steel	淬火钢 Hardened Steel				铸铁 Cast Iron	不锈钢 Stainless Steels	铝合金 Aluminium Alloys	铜合金 Copper Alloys	塑胶 Plastic Cement	亚克力 Acrylic	高温合金	钛合金
◎	◎	○	○				○	◎		◎				○



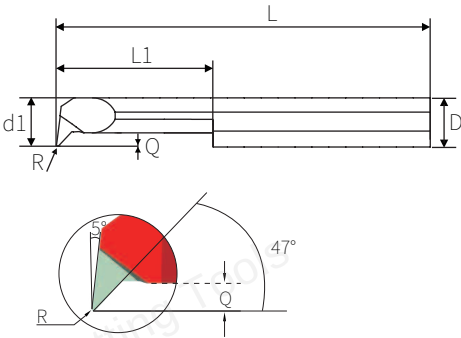
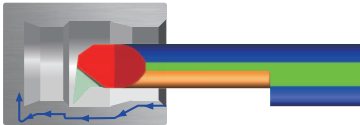
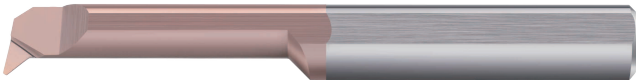
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产品编码	型号	刀径d1	R	切深Q	避空长L1	柄径D	总长L
MPR59R010L220650 D	MPR6.0	5.9	0.1	1.2	22	6.0	50
MPR59R020L220650 D	MPR6.0	5.9	0.2	1.2			
MPR69R010L220860 D	MPR7.0	6.9	0.1	1.5			
MPR69R020L220860 D	MPR7.0	6.9	0.2	1.5	30	8.0	60
MPR69R010L300860 D	MPR7.0	6.9	0.1	1.5			
MPR69R020L300860 D	MPR7.0	6.9	0.2	1.5			
MPR79R010L220860 D	MPR8.0	7.9	0.1	1.8	22	8.0	60
MPR79R020L220860 D	MPR8.0	7.9	0.2	1.8			
MPR79R010L300860 D	MPR8.0	7.9	0.1	1.8			
MPR79R020L300860 D	MPR8.0	7.9	0.2	1.8	30		

MQR Solid Carbide Small Hole Profiling Tool (47°) - Bronze

⊙ = 最佳 Best ○ = 适合 Good

P			H				K	M	N				S	
碳素钢	合金钢	预硬钢	淬火钢 Hardened Steel				铸铁	不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	Prehardened Steel	~48HRC	~55HRC	~60HRC	~65HRC	Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic		
⊙	⊙	○	○				○	⊙		⊙				○



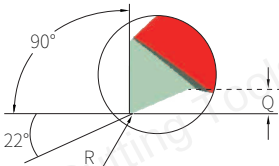
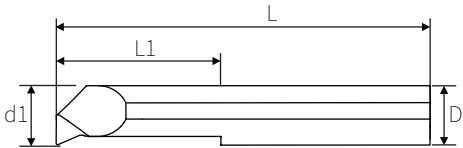
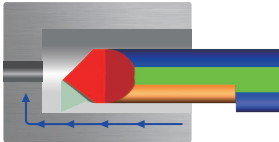
单位 UNIT=MM

产品编码	型号	刃径d1	R	切深Q	避空长L1	柄径D	总长L
MQR29R005L090450	MQR3.0	2.9	0.05	0.7	9	4.0	50
MQR29R010L090450	MQR3.0	2.9	0.1	0.7			
MQR29R015L090450	MQR3.0	2.9	0.15	0.7			
MQR39R005L100450	MQR4.0	3.9	0.05	1.0	10		
MQR39R010L100450	MQR4.0	3.9	0.1	1.0			
MQR39R020L100450	MQR4.0	3.9	0.2	1.0			
MQR39R020L150450	MQR4.0	3.9	0.2	1.0	15	5.0	
MQR49R005L150550	MQR5.0	4.9	0.05	1.2			
MQR49R010L150550	MQR5.0	4.9	0.1	1.2			
MQR49R020L150550	MQR5.0	4.9	0.2	1.2			
MQR49R020L200550	MQR5.0	4.9	0.2	1.2	20		
MQR59R005L150650	MQR6.0	5.9	0.05	1.6	15	6.0	
MQR59R010L150650	MQR6.0	5.9	0.1	1.6			
MQR59R020L150650	MQR6.0	5.9	0.2	1.6			
MQR59R020L220650	MQR6.0	5.9	0.2	1.6			
MQR59R040L220650	MQR6.0	5.9	0.4	1.6	22		
MQR79R010L250860	MQR8.0	7.9	0.1	2.1	25	8.0	60
MQR79R020L250860	MQR8.0	7.9	0.2	2.1			

MUR Solid Carbide Small Hole Profiling Tool (90°) - Bronze

◎ = 最佳 Best ○ = 适合 Good

P			H				K	M	N				S	
碳素钢	合金钢	预硬钢	淬火钢 Hardened Steel				铸铁	不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	Prehardened Steel	~48HRC	~55HRC	~60HRC	~65HRC	Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic, Cement	Acrylic		
◎	◎	○	○				○	◎		◎				○



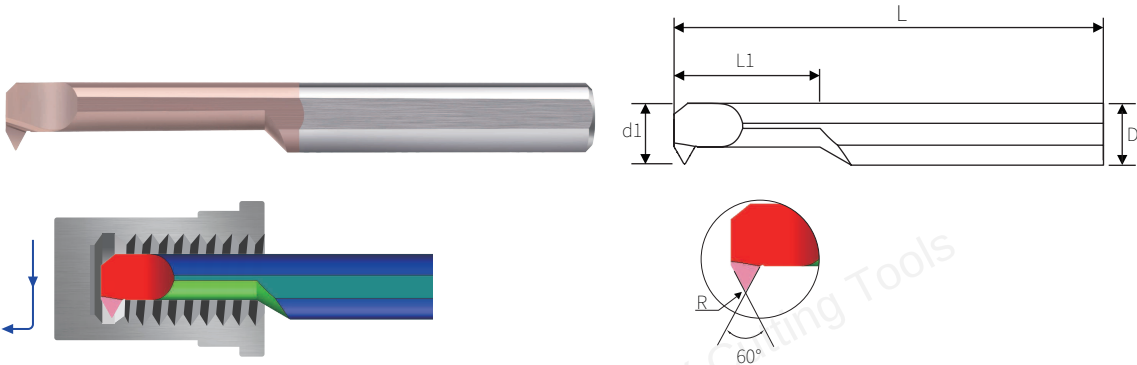
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产品编码	型号	刃径d1	R	切深Q	避空长L1	柄径D	总长L
MUR28R010L100450	MUR3.0	2.8	0.1	0.5	10	4.0	50
MUR28R010L150450	MUR3.0	2.8		0.5	15		
MUR39R010L100450	MUR4.0	3.9		0.6	10		
MUR39R010L150450	MUR4.0	3.9		0.6	15		
MUR49R015L150550	MUR5.0	4.9	0.15	0.8		5.0	
MUR49R015L220550	MUR5.0	4.9		0.8	22		
MUR59R020L150650	MUR6.0	5.9	0.2	1.0	15	6.0	
MUR59R020L220650	MUR6.0	5.9		1.0	22		
MUR79R020L150860	MUR8.0	7.9		1.2			8.0

MIR Solid Carbide Metric Small Hole Thread Turning Tool (60°), Right-Hand - Bronze

◎ =最佳 Best ○ =适合 Good

P			H				K	M	N				S	
碳素钢	合金钢	预硬钢	淬火钢 Hardened Steel				铸铁	不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	Prehardened Steel	~48HRC	~55HRC	~60HRC	~65HRC	Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic		
◎	◎	○	○				○	◎		◎				○



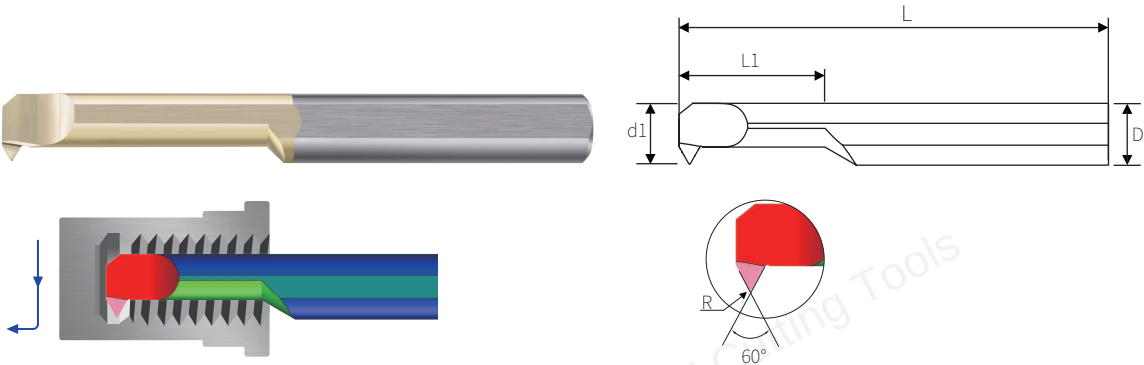
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产品编码	型号	刃径d1	R	角度°	牙距	避空长L1	柄径D	总长L
MIR0.9R00L0350450A60	MIR1.0	0.9	0.03	60°	0.2-0.3	3.5	4.0	50
MIR14R003L040450A60	MIR1.5	1.4	0.03		0.3-0.4	4.0		
MIR19R003L040450A60	MIR2.0	1.9	0.03		0.3-0.5	4.0		
MIR19R003L060450A60	MIR2.0	1.9	0.03		0.3-0.5	6.0		
MIR24R003L050455A60	MIR2.5	2.4	0.03		0.3-0.6	5.0		
MIR24R003L070450A60	MIR2.5	2.4	0.03		0.3-0.6	7.0		
MIR29R005L060450A60	MIR3.0	2.9	0.05		0.5-0.8	6.0		
MIR29R005L100450A60	MIR3.0	2.9	0.05		0.5-0.8	10		
MIR39R005L080450A60	MIR4.0	3.9	0.08		0.7-1.0	8.0	5.0	
MIR39R005L120450A60	MIR4.0	3.9	0.08		0.7-1.0	12		
MIR49R010L120550A60	MIR5.0	4.9	0.1		0.8-1.25	12	6.0	
MIR49R010L150550A60	MIR5.0	4.9	0.1		0.8-1.25	15		
MIR59R010L150650A60	MIR6.0	5.9	0.1		0.8-1.5	15		
MIR59R010L220650A60	MIR6.0	5.9	0.1		0.8-1.5	22		
MIR79R010L220860A60	MIR8.0	7.9	0.1			1.0-2.0	22	8.0

MIR Solid Carbide Metric Small Hole Thread Turning Tool (60°), Right-Hand - Champagne

◎ = 最佳 Best ○ = 适合 Good

P		H		K	M		N				S	
碳素钢	合金钢	淬火钢	Hardened Steel	铸铁	马氏体不锈钢	奥氏体不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	~48HRC	~55HRC	Cast Iron	Martensitic Stainless Steel	Austenitic Stainless Steel	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	Superalloy	Titanium Alloy
					○	◎	◎					◎



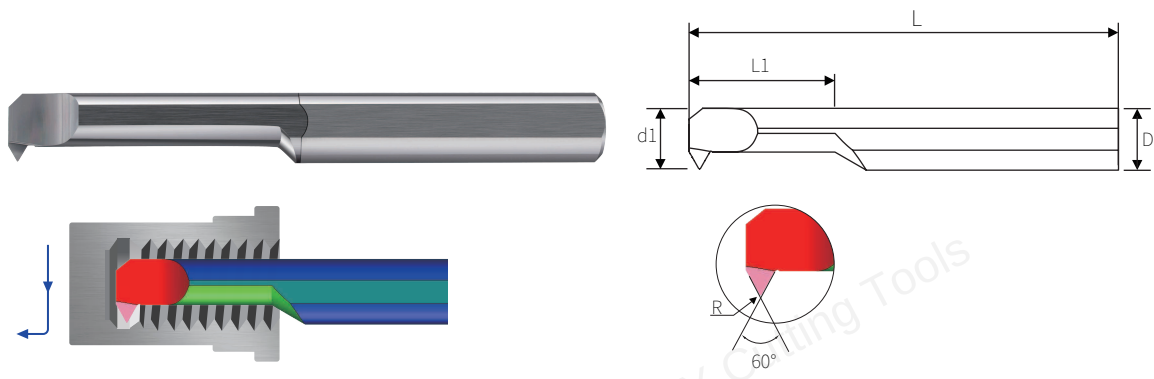
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产品编码	型号	刃径d1	R	角度°	牙距	避空长L1	柄径D	总长L
MIR0.9R00L0350450A60 X	MIR1.0	0.9	0.03	60°	0.2-0.3	3.5	4.0	50
MIR14R003L040450A60 X	MIR1.5	1.4	0.03		0.3-0.4	4.0		
MIR19R003L040450A60 X	MIR2.0	1.9	0.03		0.3-0.5	4.0		
MIR19R003L060450A60 X	MIR2.0	1.9	0.03		0.3-0.5	6.0		
MIR24R003L050455A60 X	MIR2.5	2.4	0.03		0.3-0.6	5.0		
MIR24R003L070450A60 X	MIR2.5	2.4	0.03		0.3-0.6	7.0		
MIR29R005L060450A60 X	MIR3.0	2.9	0.05		0.5-0.8	6.0		
MIR29R005L100450A60 X	MIR3.0	2.9	0.05		0.5-0.8	10		
MIR39R005L080450A60 X	MIR4.0	3.9	0.08		0.7-1.0	8.0	5.0	
MIR39R005L120450A60 X	MIR4.0	3.9	0.08		0.7-1.0	12		
MIR49R010L120550A60 X	MIR5.0	4.9	0.1		0.8-1.25	12		
MIR49R010L150550A60 X	MIR5.0	4.9	0.1		0.8-1.25	15	6.0	
MIR59R010L150650A60 X	MIR6.0	5.9	0.1		0.8-1.5	15		
MIR59R010L220650A60 X	MIR6.0	5.9	0.1		0.8-1.5	22		
MIR79R010L220860A60 X	MIR8.0	7.9	0.1			1.0-2.0	22	8.0

MIR Solid Carbide Metric Small Hole Thread Turning Tool (60°), Right-Hand - Gray Black

◎ = 最佳 Best ○ = 适合 Good

P			H				K	M	N				S	
碳素钢	合金钢	预硬钢	淬火钢 Hardened Steel				铸铁	不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	Prehardened Steel	~48HRC	~55HRC	~60HRC	~65HRC	Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic		
◎	◎	○	○				○	◎		◎				○



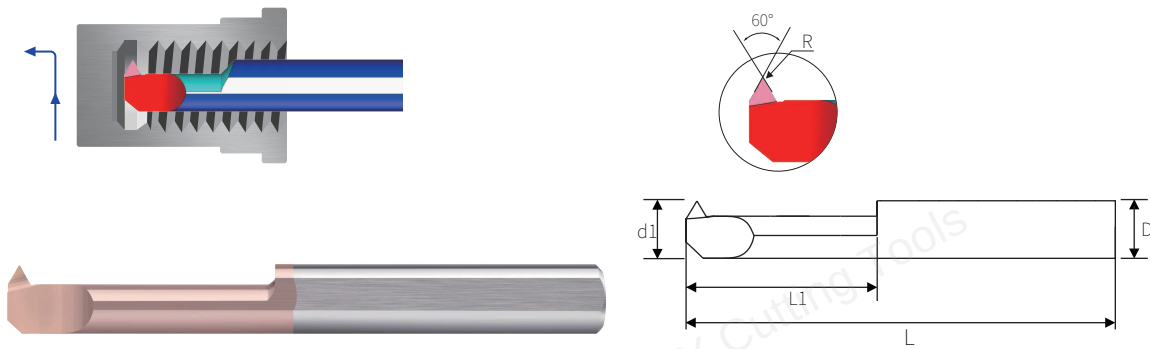
单位 UNIT=MM

产品编码	型号	刃径d1	R	角度°	牙距	避空长L1	柄径D	总长L
MIR0.9R00L0350450A60 D	MIR1.0	0.9	0.03	60°	0.2-0.3	3.5	4.0	50
MIR14R003L040450A60 D	MIR1.5	1.4	0.03		0.3-0.4	4.0		
MIR19R003L040450A60 D	MIR2.0	1.9	0.03		0.3-0.5	4.0		
MIR19R003L060450A60 D	MIR2.0	1.9	0.03		0.3-0.5	6.0		
MIR24R003L050455A60 D	MIR2.5	2.4	0.03		0.3-0.6	5.0		
MIR24R003L070450A60 D	MIR2.5	2.4	0.03		0.3-0.6	7.0		
MIR29R005L060450A60 D	MIR3.0	2.9	0.05		0.5-0.8	6.0		
MIR29R005L100450A60 D	MIR3.0	2.9	0.05		0.5-0.8	10		
MIR39R005L080450A60 D	MIR4.0	3.9	0.08		0.7-1.0	8.0	5.0	
MIR39R005L120450A60 D	MIR4.0	3.9	0.08		0.7-1.0	12		
MIR49R010L120550A60 D	MIR5.0	4.9	0.1		0.8-1.25	12	6.0	
MIR49R010L150550A60 D	MIR5.0	4.9	0.1		0.8-1.25	15		
MIR59R010L150650A60 D	MIR6.0	5.9	0.1		0.8-1.5	15	6.0	
MIR59R010L220650A60 D	MIR6.0	5.9	0.1		0.8-1.5	22		
MIR79R010L220860A60 D	MIR8.0	7.9	0.1		1.0-2.0	22	8.0	

MIL Solid Carbide Metric Small Hole Thread Turning Tool (60°), Left-Hand - Bronze

◎ =最佳 Best ○ =适合 Good

P			H				K	M	N				S	
碳素钢	合金钢	预硬钢	淬火钢 Hardened Steel				铸铁	不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	Prehardened Steel	~48HRC	~55HRC	~60HRC	~65HRC	Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic		
◎	◎	○	○				○	◎		◎				○



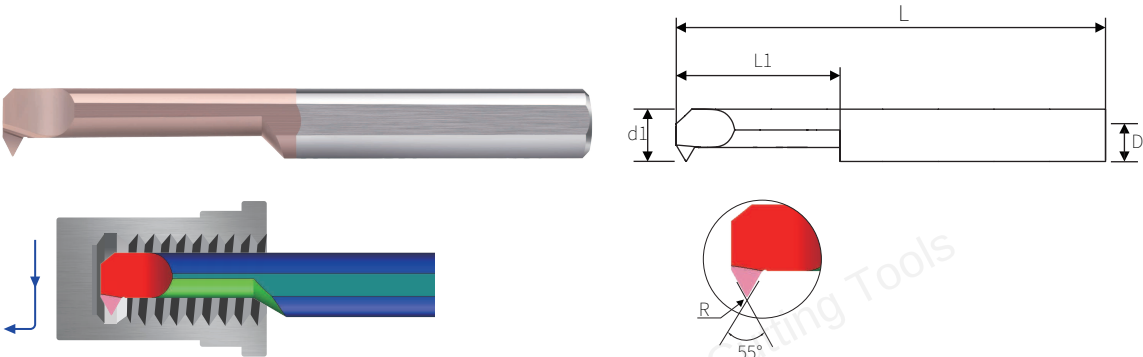
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产品编码	型号	刃径d1	R	角度°	牙距	避空长L1	柄径D	总长L
MIL14R003L040450 A60	MIL1.5	1.4	0.03	60°	0.3-0.4	4.0	4.0	50
MIL19R003L060450 A60	MIL2.0	1.9	0.03		0.3-0.5	6.0		
MIL24R003L070450 A60	MIL2.5	2.4	0.03		0.3-0.6	7.0		
MIL29R005L100450 A60	MIL3.0	2.9	0.05		0.5-0.8	10		
MIL39R005L120450 A60	MIL4.0	3.9	0.08		0.5-1.0	12	5.0	
MIL49R010L150550 A60	MIL5.0	4.9	0.1		0.8-1.25	15		
MIL59R010L220650 A60	MIL6.0	5.9	0.1		0.8-1.5	22	6.0	
MIL79R010L220860 A60	MIL8.0	7.9	0.1		1.0-2.0	22	8.0	60

MIR Solid Carbide Imperial Small Hole Thread Turning Tool (55°), Right-Hand - Bronze

◎ =最佳 Best ○ =适合 Good

P			H				K	M	N				S	
碳素钢	合金钢	预硬钢	淬火钢 Hardened Steel				铸铁	不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	Prehardened Steel	~48HRC	~55HRC	~60HRC	~65HRC	Cast Iron	Stainlee Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic		
◎	◎	○	○				○	◎		◎				○



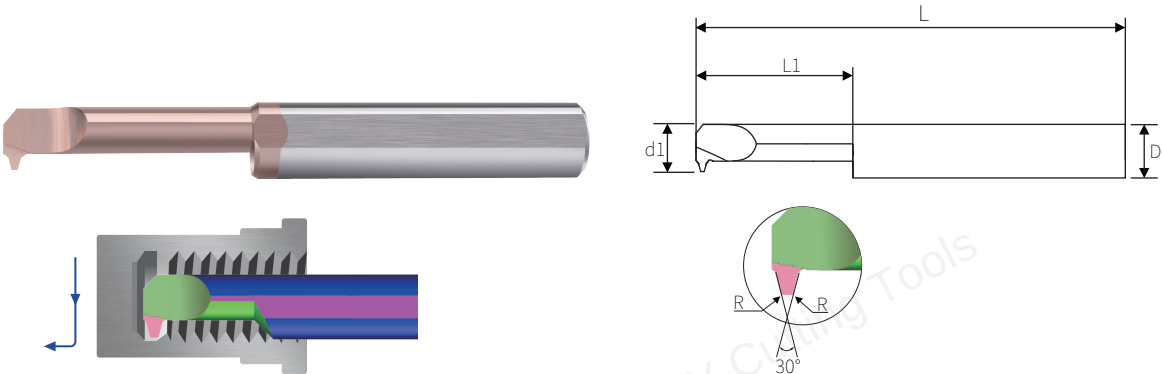
单位 UNIT=MM

产品编码	型号	刃径d1	R	角度°	避空长L1	柄径D	总长L
MIR29R005L100450A55	MIR3.0	2.9	0.05	55°	10	4.0	50
MIR39R005L120450A55	MIR4.0	3.9	0.05		12		
MIR39R010L120450A55	MIR4.0	3.9	0.1		12		
MIR49R005L150550A55	MIR5.0	4.9	0.05		15	5.0	
MIR49R010L150550A55	MIR5.0	4.9	0.1		15		
MIR59R005L220650A55	MIR6.0	5.9	0.05		22	6.0	
MIR59R010L220650A55	MIR6.0	5.9	0.1		22		
MIR79R010L220860A55	MIR8.0	7.9	0.1		22	8.0	60

MIR Solid Carbide Small Hole TR Thread Turning Tool (30°), Right-Hand - Bronze

◎ =最佳 Best ○ =适合 Good

P			H				K	M	N				S	
碳素钢	合金钢	预硬钢	淬火钢 Hardened Steel				铸铁	不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	Prehardened Steel	~48HRC	~55HRC	~60HRC	~65HRC	Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic		
◎	◎	○	○				○	◎		◎				○



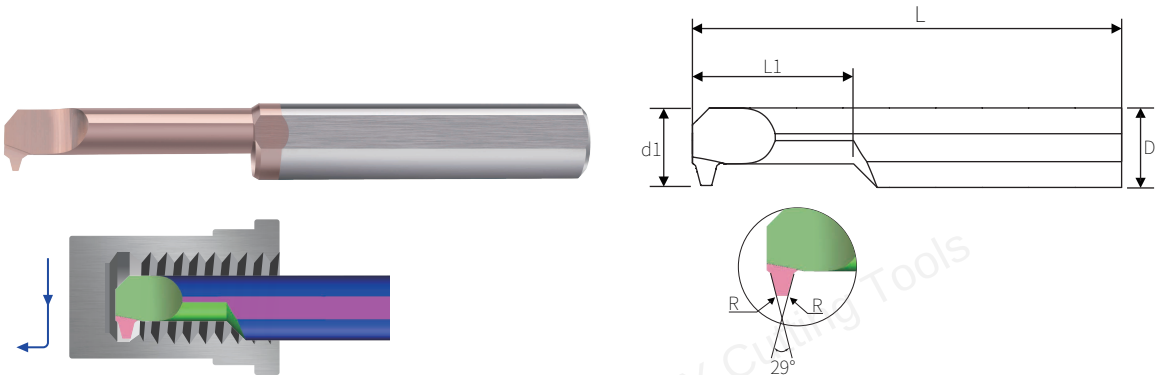
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产品编码	型号	刃径d1	角度°	避空长L1	柄径D	总长L
MIR56P15L200650 A30	MIR 6D 20L 1.5 TR	5.6	30°	20	6.0	50
MIR64P20L250860 A30	MIR 8D 25L 2.0 TR	6.4		25	8.0	60
MIR68P30L350875 A30	MIR 8D 35L 3.0 TR	6.8		35		75
MIR96P20L351075 A30	MIR 10D 35L 2.0 TR	9.6		35	10	
MIR99P40L4510100 A30	MIR 10D 45L 4.0 TR	9.9		45		
MIR119P50L5012100 A30	MIR 12D 50L 5.0 TR	11.9		50	12	

MIR Solid Carbide Small Hole ACME Thread Turning Tool (29°), Right-Hand - Bronze

◎ =最佳 Best ○ =适合Good

P			H				K	M	N				S	
碳素钢	合金钢	预硬钢	淬火钢 Hardened Steel				铸铁	不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	Prehardened Steel	~48HRC	~55HRC	~60HRC	~65HRC	Cast Iron	Stainlee Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic		
◎	◎	○	○				○	◎		◎				○



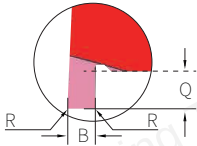
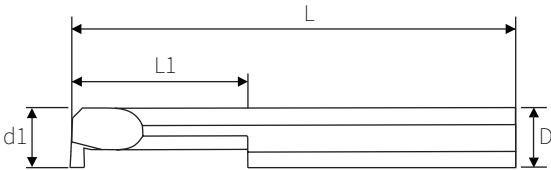
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产品编码	型号	刃径d1	角度°	避空长L1	柄径D	总长L
MIR39P16L150450 A29	MIR 4D 15L 16 ACME	3.9	29°	15	4.0	50
MIR56P14L200650 A29	MIR 6D 20L 14 ACME	5.6		20	6.0	
MIR66P12L250860 A29	MIR 8D 25L 12 ACME	6.6		25	8.0	60
MIR79P10L300875 A29	MIR 8D 30L 10 ACME	7.9		30		75
MIR99P8L351075 A29	MIR 10D 35L 8 ACME	9.9		35	10	
MIR99P6L4510100 A29	MIR 10D 45L 6 ACME	9.9		45		
MIR119P5L5012100 A29	MIR 12D 50L 5 ACME	11.9		50	12	

MGR Solid Carbide Small Hole Grooving Tool - Bronze

◎ = 最佳 Best ○ = 适合 Good

P			H				K	M	N				S	
碳素钢	合金钢	预硬钢	淬火钢 Hardened Steel				铸铁	不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	Prehardened Steel	~48HRC	~55HRC	~60HRC	~65HRC	Cast Iron	Stainlee Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic		
◎	◎	○	○				○	◎		◎				○



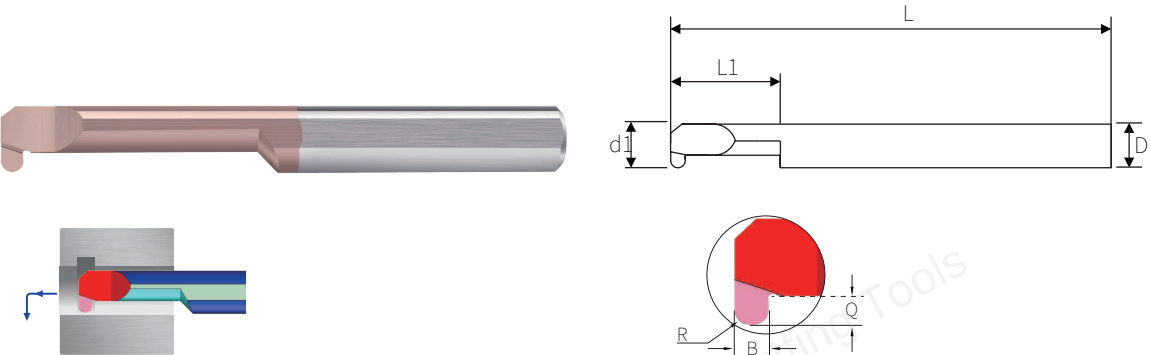
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产品编码	型号	刃径d1	宽度B	深度Q	避空长L1	柄径D	总长L		
MGR29B050L100450	MGR3.0	2.9	0.5	0.8	10	4.0	50		
MGR29B075L100450	MGR3.0	2.9	0.75	0.8					
MGR29B100L100450	MGR3.0	2.9	1.0	0.8					
MGR29B150L100450	MGR3.0	2.9	1.5	0.8					
MGR39B050L100450	MGR4.0	3.9	0.5	1.0					
MGR39B080L100450	MGR4.0	3.9	0.8	1.0					
MGR39B100L100450	MGR4.0	3.9	1.0	1.0					
MGR39B120L100450	MGR4.0	3.9	1.2	1.0					
MGR39B150L100450	MGR4.0	3.9	1.5	1.0					
MGR49B100L100550	MGR5.0	4.9	1.0	1.5					
MGR49B120L100550	MGR5.0	4.9	1.2	1.5	15	6.0		60	
MGR49B150L100550	MGR5.0	4.9	1.5	1.5					
MGR49B200L100550	MGR5.0	4.9	2.0	2.0					
MGR59B100L150650	MGR6.0	5.9	1.0	2.0					
MGR59B120L150650	MGR6.0	5.9	1.2	2.0					
MGR59B150L150650	MGR6.0	5.9	1.5	2.0	20	8.0			60
MGR59B200L150650	MGR6.0	5.9	2.0	2.5					
MGR59B250L150650	MGR6.0	5.9	2.5	2.5					
MGR79B150L200860	MGR8.0	7.9	1.5	2.0					
MGR79B200L200860	MGR8.0	7.9	2.0	2.5	20	8.0	60		
MGR79B250L200860	MGR8.0	7.9	2.5	3.0					
MGR79B300L200860	MGR8.0	7.9	3.0	3.0					

MKR Solid Carbide Small Hole Radius Grooving Tool - Bronze

◎ = 最佳 Best ○ = 适合 Good

P			H				K	M	N				S	
碳素钢	合金钢	预硬钢	淬火钢 Hardened Steel				铸铁	不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	Prehardened Steel					Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic		
◎	◎	○	○				○	◎		◎				○



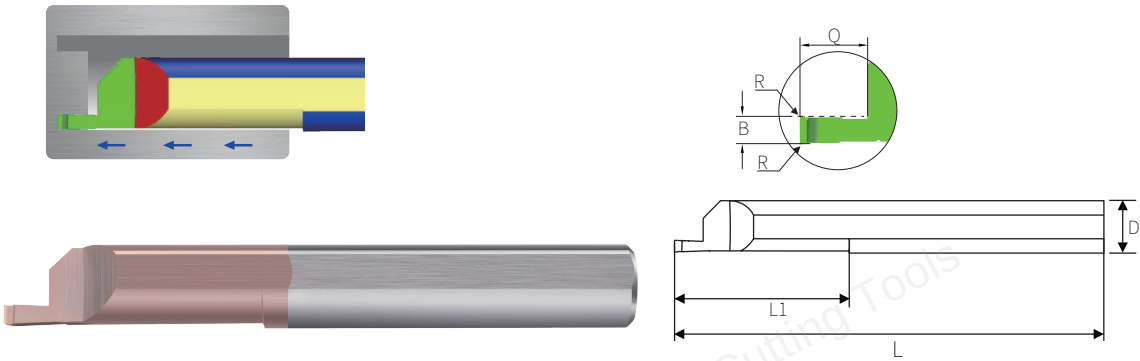
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产品编码	型号	刃径d1	R	宽度B	深度Q	避空长L1	柄径D	总长L
MKR39R050L100450	MKR4.0	3.9	0.5	1.0	1.0	10	4.0	50
MKR39R050L150450	MKR4.0	3.9	0.5	1.0	1.0	15		
MKR39R075L100450	MKR4.0	3.9	0.75	1.5	1.0	10		
MKR39R075L150450	MKR4.0	3.9	0.75	1.5	1.0	15		
MKR49R050L150550	MKR5.0	4.9	0.5	1.0	1.2	15	5.0	
MKR49R050L220550	MKR5.0	4.9	0.5	1.0	1.2	22		
MKR49R075L150550	MKR5.0	4.9	0.75	1.5	1.2	15		
MKR49R075L220550	MKR5.0	4.9	0.75	1.5	1.2	22		
MKR49R100L150550	MKR5.0	4.9	1.0	2.0	1.3	15		
MKR49R100L220550	MKR5.0	4.9	1.0	2.0	1.3	22		
MKR59R050L150650	MKR6.0	5.9	0.5	1.0	1.6	15	6.0	
MKR59R050L220650	MKR6.0	5.9	0.5	1.0	1.6	22		
MKR59R075L150650	MKR6.0	5.9	0.75	1.5	1.6	15		
MKR59R075L220650	MKR6.0	5.9	0.75	1.5	1.6	22		
MKR59R100L150650	MKR6.0	5.9	1.0	2.0	1.6	15		
MKR59R100L220650	MKR6.0	5.9	1.0	2.0	1.6	22		
MKR79R050L220860	MKR8.0	7.9	0.5	1.0	2.0	22	8.0	60
MKR79R075L220860	MKR8.0	7.9	0.75	1.5	2.0	22		
MKR79R100L220860	MKR8.0	7.9	1.0	2.0	2.0	22		

MFR Solid Carbide Face Grooving Tool, Right-Hand - Bronze

◎ =最佳 Best ○ =适合 Good

P			H				K	M	N				S	
碳素钢	合金钢	预硬钢	淬火钢 Hardened Steel				铸铁	不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	Prehardened Steel	~48HRC	~55HRC	~60HRC	~65HRC	Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic		
◎	◎	○	○				○	◎		◎				○



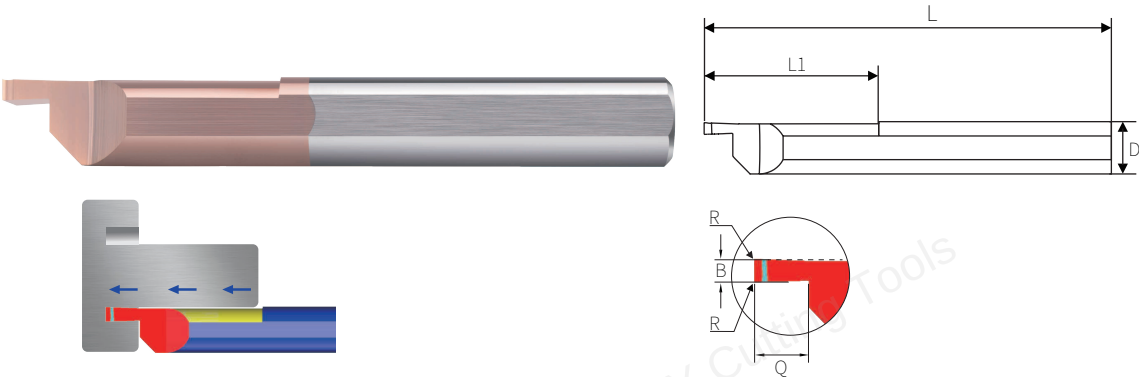
单位 UNIT=MM

产品编码	型号	宽度B	深度Q	避空长L1	柄径D	总长L
MFR40B050L1550	MFR4.0	0.5	1.0	15	4.0	50
MFR40B075L1550	MFR4.0	0.75	1.5			
MFR40B100L1550	MFR4.0	1.0	1.5			
MFR40B150L1550	MFR4.0	1.5	2.0			
MFR50B100L2250	MFR5.0	1.0	2.0	22	5.0	50
MFR50B150L2250	MFR5.0	1.5	3.0			
MFR50B200L2250	MFR5.0	2.0	4.0			
MFR60B050L2050	MFR6.0	0.5	1.0	20	6.0	50
MFR60B100L2050	MFR6.0	1.0	2.0			
MFR60B150L2050	MFR6.0	1.5	3.0			
MFR60B200L2050	MFR6.0	2.0	4.0			
MFR80B100L2560	MFR8.0	1.0	2.0	25	8.0	60
MFR80B150L2560	MFR8.0	1.5	3.0			
MFR80B200L2560	MFR8.0	2.0	4.0			

MFL Solid Carbide Face Grooving Tool, Left-Hand - Bronze

◎ =最佳 Best ○ =适合 Good

P			H				K	M	N				S	
碳素钢	合金钢	预硬钢	淬火钢 Hardened Steel				铸铁	不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	Prehardened Steel	~48HRC	~55HRC	~60HRC	~65HRC	Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic		
◎	◎	○	○				○	◎		◎				○



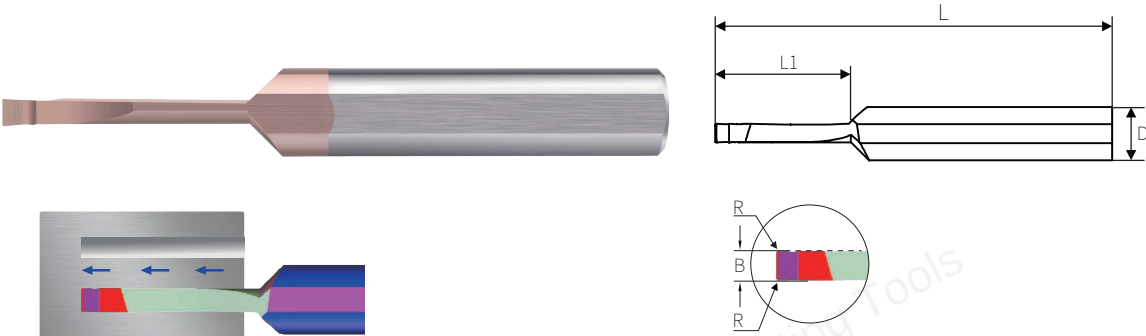
单位 UNIT=MM

产品编码	型号	宽度B	深度Q	避空长L1	柄径D	总长L
MFL40B050L1550	MFL4.0	0.5	1.0	15	4.0	50
MFL40B075L1550	MFL4.0	0.75	1.5			
MFL40B100L1550	MFL4.0	1.0	1.5			
MFL40B150L1550	MFL4.0	1.5	2.0			
MFL50B100L2250	MFL5.0	1.0	2.0	22	5.0	50
MFL50B150L2250	MFL5.0	1.5	3.0			
MFL50B200L2250	MFL5.0	2.0	4.0			
MFL60B050L2050	MFL6.0	0.5	1.0			
MFL60B100L2050	MFL6.0	1.0	2.0	20	6.0	50
MFL60B150L2050	MFL6.0	1.5	3.0			
MFL60B200L2050	MFL6.0	2.0	4.0			
MFL80B100L2560	MFL8.0	1.0	2.0			
MFL80B150L2560	MFL8.0	1.5	3.0	25	8.0	60
MFL80B200L2560	MFL8.0	2.0	4.0			

MVR Solid Carbide Deep Face Grooving Tool, V-Type - Bronze

◎ =最佳 Best ○ =适合 Good

P			H				K	M	N				S	
碳素钢	合金钢	预硬钢	淬火钢 Hardened Steel				铸铁	不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	Prehardened Steel	~48HRC	~55HRC	~60HRC	~65HRC	Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic		
◎	◎	○	○				○	◎		◎				○



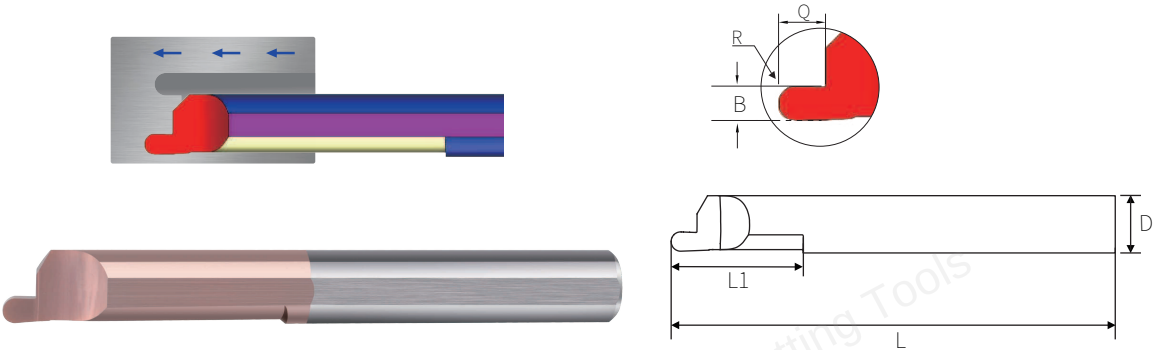
单位 UNIT=MM

产品编码	型号	宽度B	避空长L1	柄径D	总长L
MVR60B200L1050	MVR6.0	2.0	10	6.0	50
MVR60B250L1050	MVR6.0	2.5			
MVR60B200L1550	MVR6.0	2.0	15	6.0	50
MVR60B250L1550	MVR6.0	2.5			
MVR80B250L2260	MVR8.0	2.5	22	8.0	60
MVR80B300L2260	MVR8.0	3.0			
MVR80B400L2260	MVR8.0	4.0			

MZR Solid Carbide Radius Face Grooving Tool, Right-Hand - Bronze

⊙ = 最佳 Best ○ = 适合 Good

P			H				K	M	N				S	
碳素钢	合金钢	预硬钢	淬火钢 Hardened Steel				铸铁	不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	Prehardened Steel	~48HRC	~55HRC	~60HRC	~65HRC	Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic		
⊙	⊙	○	○				○	⊙		⊙				○



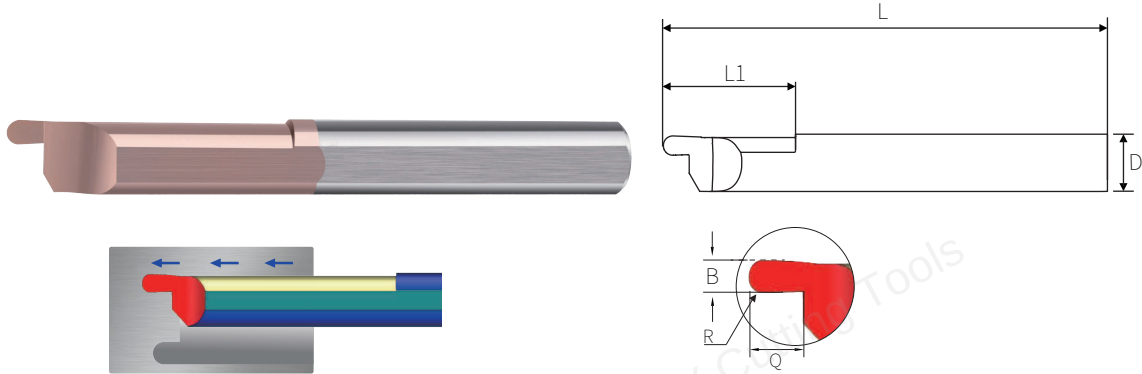
单位 UNIT=MM

产品编码	型号	R	宽度B	深度Q	避空长L1	柄径D	总长L
MZR40B050L15R05050	MZR4.0	0.5	1.0	1.2	15	4.0	50
MZR40B075L15R05050	MZR4.0	0.75	1.5	1.5			
MZR50B050L22R05050	MZR5.0	0.5	1.0	1.2	22	5.0	
MZR50B075L22R05050	MZR5.0	0.75	1.5	1.5			
MZR50B100L22R10050	MZR5.0	1.0	2.0	2.5			
MZR60B050L22R05050	MZR6.0	0.5	1.0	1.2		6.0	
MZR60B075L22R07550	MZR6.0	0.75	1.5	1.5			
MZR60B100L22R10050	MZR6.0	1.0	2.0	2.5			

MZL Solid Carbide Radius Face Grooving Tool, Left-Hand - Bronze

◎ = 最佳 Best ○ = 适合 Good

P			H				K	M	N				S	
碳素钢	合金钢	预硬钢	淬火钢 Hardened Steel				铸铁	不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	Prehardened Steel	~48HRC	~55HRC	~60HRC	~65HRC	Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic		
◎	◎	○	○				○	◎		◎				○



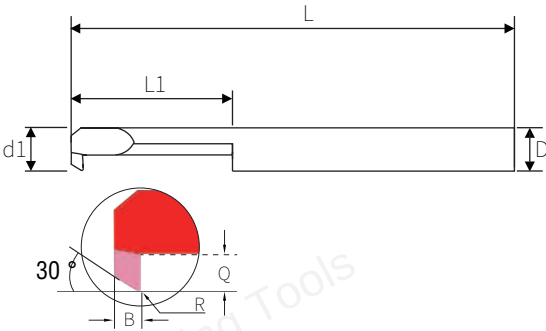
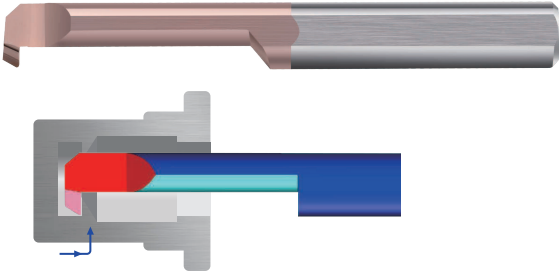
单位 UNIT=MM

产品编码	型号	R	宽度B	深度Q	避空长L1	柄径D	总长L
MZL40B050L15R05050	MZL4.0	0.5	1.0	1.2	15	4.0	50
MZL40B075L15R05050	MZL4.0	0.75	1.5	1.5			
MZL50B050L22R05050	MZL5.0	0.5	1.0	1.2	22	5.0	
MZL50B075L22R05050	MZL5.0	0.75	1.5	1.5			
MZL50B100L22R10050	MZL5.0	1.0	2.0	2.5		6.0	
MZL60B050L22R05050	MZL6.0	0.5	1.0	1.2			
MZL60B075L22R07550	MZL6.0	0.75	1.5	1.5			
MZL60B100L22R10050	MZL6.0	1.0	2.0	2.5			

MXR Solid Carbide Small Hole Back Boring Tool - Bronze

◎ = 最佳 Best ○ = 适合 Good

P			H				K	M	N				S	
碳素钢	合金钢	预硬钢	淬火钢 Hardened Steel				铸铁	不锈钢	铝合金	铜合金	塑胶	亚克力	高温合金	钛合金
Carbon Steel	Alloy Steel	Prehardened Steel	~48HRC	~55HRC	~60HRC	~65HRC	Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic, Cement	Acrylic		
◎	◎	○	○				○	◎		◎				○



单位 UNIT=MM

产品编码	型号	刃径d1	R	宽度B	深度Q	避空长L1	柄径D	总长L
MXR28R010L100450	MXR3.0	2.8	0.1	1.3	0.6	10	4.0	50
MXR39R010L100450	MXR4.0	3.9		1.3	0.8			
MXR39R010L150450	MXR4.0	3.9		1.3	0.8	15		
MXR49R020L150550	MXR5.0	4.9	0.2	1.5	1.3		5.0	
MXR49R020L220550	MXR5.0	4.9		1.5	1.3	22		
MXR59R020L150650	MXR6.0	5.9		1.5	1.8	15	6.0	
MXR59R020L220650	MXR6.0	5.9		1.5	1.8	22		



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