

# REAMERS

220 - 233

## 3.00MM SHANK MICRO REAMERS 220 - 227

SERIES MR34	0.20mm - 0.49mm Dia.	4 Flute	220
	0.50mm - 0.79mm Dia.	4 Flute	221
	0.80mm - 1.09mm Dia.	4 Flute	222
	1.10mm - 1.39mm Dia.	4 Flute	223
	1.40mm - 1.69mm Dia.	4 Flute	224
	1.70mm - 1.99mm Dia.	4 Flute	225
	2.00mm - 2.19mm Dia.	4 Flute	226
	2.20mm - 2.40mm Dia.	4 Flute	227

## 4.00MM SHANK MICRO REAMERS 228 - 230

SERIES MR46	2.41mm - 2.72mm Dia.	6 Flute	228
	2.73mm - 3.10mm Dia.	6 Flute	229
	3.20mm - 3.90mm Dia.	6 Flute	230

## 6.00MM SHANK MICRO REAMERS 231

SERIES MR66	3.97mm - 5.90mm Dia.	6 Flute	231
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## 8.00MM SHANK MICRO REAMERS 232

SERIES MR86	5.97mm - 7.90mm Dia.	6 Flute	232
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## 10.00MM SHANK MICRO REAMERS 233

SERIES MR106	7.97mm - 8.03mm Dia.	6 Flute	233
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# 3.00mm SHANK

4 FLUTE MICRO REAMERS

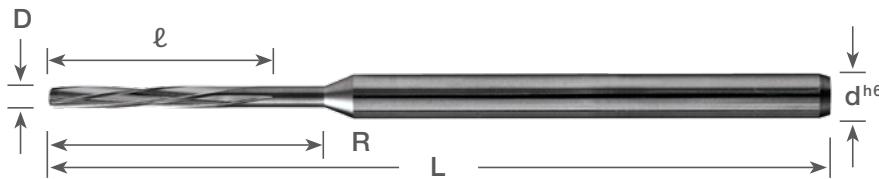
0.20mm - 0.49mm DIAMETER

Mirror Surface Finishes

Sub Micron Grain Carbide

Left Hand Spiral, Right Hand Cutting

For Reaming Through Holes



Symbol Descriptions [Page 7](#)

## STANDARD Length (Metric Sizes)

Dimensions (mm)					Uncoated	
D <sup>+0.003mm</sup> / <sub>-0.000mm</sub>	d <sup>h6</sup>	ℓ	L	R	Part Number	Stock
0.20	3	1.50	50	3	MR34-0079.059	●
0.21	3	1.50	50	3	MR34-0083.059	●
0.22	3	1.50	50	3	MR34-0087.059	●
0.23	3	1.50	50	3	MR34-0091.059	●
0.24	3	1.50	50	3	MR34-0094.059	●
0.25	3	1.50	50	3	MR34-0098.059	●
0.26	3	1.50	50	3	MR34-0102.059	●
0.27	3	1.50	50	3	MR34-0106.059	●
0.28	3	1.50	50	3	MR34-0110.059	●
0.29	3	1.50	50	3	MR34-0114.059	●
0.30	3	2.00	50	4	MR34-0118.079	●
0.31	3	2.00	50	4	MR34-0122.079	●
0.32	3	2.00	50	4	MR34-0126.079	●
0.33	3	2.00	50	4	MR34-0130.079	●
0.34	3	2.00	50	4	MR34-0134.079	●
0.35	3	2.00	50	4	MR34-0138.079	●
0.36	3	2.00	50	4	MR34-0142.079	●
0.37	3	2.00	50	4	MR34-0146.079	●
0.38	3	2.00	50	4	MR34-0150.079	●
0.39	3	2.00	50	4	MR34-0154.079	●
0.40	3	2.50	50	5	MR34-0157.099	●
0.41	3	2.50	50	5	MR34-0161.099	●
0.42	3	2.50	50	5	MR34-0165.099	●
0.43	3	2.50	50	5	MR34-0169.099	●
0.44	3	2.50	50	5	MR34-0173.099	●
0.45	3	2.50	50	5	MR34-0177.099	●
0.46	3	2.50	50	5	MR34-0181.099	●
0.47	3	2.50	50	5	MR34-0185.099	●
0.48	3	2.50	50	5	MR34-0189.099	●
0.49	3	2.50	50	5	MR34-0193.099	●

### SERIES MR34 WORKPIECE MATERIAL

Coating	P Steel ~30HRC	P Steel 30-40HRC	H Hardened Steel ~55HRC	H Hardened Steel ~68HRC	M Stainless Steel	K Cast Iron	N Aluminum	N Graphite	N Copper Alloy	N CFRP	N Plastic	N Thermoset Plastic	N High Density Plastic	S Nickel / Cobalt	S Titanium Alloy
Uncoated	★	★	★	★	★	☆	☆	☆	☆	☆	☆	☆	☆	★	★

★ : Priority ☆ : Applicable Materials

Symbol Descriptions [Page 7](#)

# 3.00mm SHANK

4 FLUTE MICRO REAMERS

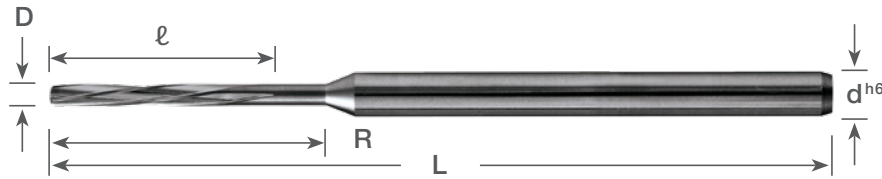
0.50mm - 0.79mm DIAMETER

Mirror Surface Finishes

Sub Micron Grain Carbide

Left Hand Spiral, Right Hand Cutting

For Reaming Through Holes



Symbol Descriptions Page 7

## STANDARD Length (Metric Sizes)

Dimensions (mm)					Uncoated	
D <sup>+0.003mm</sup> <sub>-0.000mm</sub>	d <sup>h6</sup>	l	L	R	Part Number	Stock
0.50	3	3	50	6	MR34-0197.118	●
0.51	3	3	50	6	MR34-0201.118	●
0.52	3	3	50	6	MR34-0205.118	●
0.53	3	3	50	6	MR34-0209.118	●
0.54	3	3	50	6	MR34-0213.118	●
0.55	3	3	50	6	MR34-0216.118	●
0.56	3	3	50	6	MR34-0220.118	●
0.57	3	3	50	6	MR34-0224.118	●
0.58	3	3	50	6	MR34-0228.118	●
0.59	3	3	50	6	MR34-0232.118	●
0.60	3	7	50	18	MR34-0236.281	●
0.61	3	7	50	18	MR34-0240.281	●
0.62	3	7	50	18	MR34-0244.281	●
0.63	3	7	50	18	MR34-0248.281	●
0.64	3	7	50	18	MR34-0252.281	●
0.65	3	7	50	18	MR34-0256.281	●
0.66	3	7	50	18	MR34-0260.281	●
0.67	3	7	50	18	MR34-0264.281	●
0.68	3	7	50	18	MR34-0268.281	●
0.69	3	7	50	18	MR34-0272.281	●
0.70	3	7	50	18	MR34-0276.281	●
0.71	3	7	50	18	MR34-0279.281	●
0.72	3	7	50	18	MR34-0283.281	●
0.73	3	7	50	18	MR34-0287.281	●
0.74	3	7	50	18	MR34-0291.281	●
0.75	3	7	50	18	MR34-0295.281	●
0.76	3	7	50	18	MR34-0299.281	●
0.77	3	7	50	18	MR34-0303.281	●
0.78	3	7	50	18	MR34-0307.281	●
0.79	3	7	50	18	MR34-0311.281	●

SERIES MR34 WORKPIECE MATERIAL															
Coating	P	P	H	H	M	K	N	N	N	N	N	N	S	S	
	Steel ~30HRC	Steel 30-40HRC	Hardened Steel ~55HRC	Hardened Steel ~68HRC	Stainless Steel	Cast Iron	Aluminum	Graphite	Copper Alloy	CFRP	Plastic	Thermoset Plastic	High Density Plastic	Nickel / Cobalt	Titanium Alloy
Uncoated	★	★	★	★	★	☆	☆	☆	☆	☆	☆	☆	☆	★	★

★ : Priority ☆ : Applicable Materials

Symbol Descriptions Page 7

- : U.S. Stock Standard
- : NOT STOCKED - Call for Delivery
- ▲ : Coming Soon

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# 3.00mm SHANK

4 FLUTE MICRO REAMERS

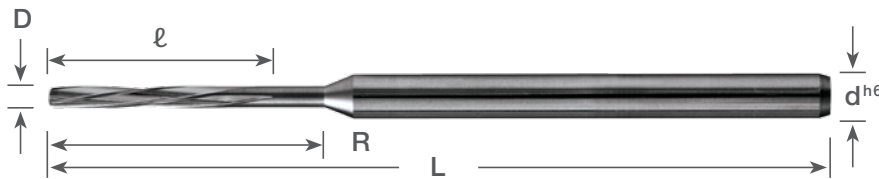
0.80mm - 1.09mm DIAMETER

Mirror Surface Finishes

Sub Micron Grain Carbide

Left Hand Spiral, Right Hand Cutting

For Reaming Through Holes



## STANDARD Length (Metric Sizes)

Symbol Descriptions [Page 7](#)

Dimensions (mm)					Uncoated	
D <sup>+0.003mm</sup> <sub>-0.000mm</sub>	d <sup>h6</sup>	ℓ	L	R	Part Number	Stock
0.80	3	7	50	18	MR34-0315.281	●
0.81	3	7	50	18	MR34-0319.281	●
0.82	3	7	50	18	MR34-0323.281	●
0.83	3	7	50	18	MR34-0327.281	●
0.84	3	7	50	18	MR34-0331.281	●
0.85	3	7	50	18	MR34-0335.281	●
0.86	3	7	50	18	MR34-0338.281	●
0.87	3	7	50	18	MR34-0342.281	●
0.88	3	7	50	18	MR34-0346.281	●
0.89	3	7	50	18	MR34-0350.281	●
0.90	3	7	50	18	MR34-0354.281	●
0.91	3	7	50	18	MR34-0358.281	●
0.92	3	7	50	18	MR34-0362.281	●
0.93	3	7	50	18	MR34-0366.281	●
0.94	3	7	50	18	MR34-0370.281	●
0.95	3	7	50	18	MR34-0374.281	●
0.96	3	7	50	18	MR34-0378.281	●
0.97	3	7	50	18	MR34-0382.281	●
0.98	3	7	50	18	MR34-0386.281	●
0.99	3	7	50	18	MR34-0390.281	●
1.00	3	7	50	18	MR34-0394.281	●
1.01	3	7	50	18	MR34-0398.281	●
1.02	3	7	50	18	MR34-0401.281	●
1.03	3	7	50	18	MR34-0405.281	●
1.04	3	7	50	18	MR34-0409.281	●
1.05	3	7	50	18	MR34-0413.281	●
1.06	3	10	50	18	MR34-0417.406	●
1.07	3	10	50	18	MR34-0421.406	●
1.08	3	10	50	18	MR34-0425.406	●
1.09	3	10	50	18	MR34-0429.406	●

### SERIES MR34 WORKPIECE MATERIAL

Coating	P Steel ~30HRC	P Steel 30-40HRC	H Hardened Steel ~55HRC	H Hardened Steel ~68HRC	M Stainless Steel	K Cast Iron	N Aluminum	N Graphite	N Copper Alloy	N CFRP	N Plastic	N Thermoset Plastic	N High Density Plastic	S Nickel / Cobalt	S Titanium Alloy
Uncoated	★	★	★	★	★	☆	☆	☆	☆	☆	☆	☆	☆	★	★

★ : Priority ☆ : Applicable Materials

Symbol Descriptions [Page 7](#)

# 3.00mm SHANK

4 FLUTE MICRO REAMERS

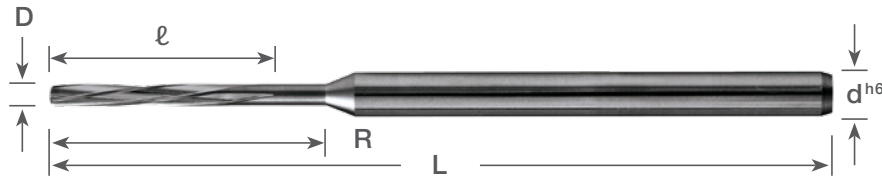
1.10mm - 1.39mm DIAMETER

Mirror Surface Finishes

Sub Micron Grain Carbide

Left Hand Spiral, Right Hand Cutting

For Reaming Through Holes



Symbol Descriptions Page 7

## STANDARD Length (Metric Sizes)

Dimensions (mm)					Uncoated	
D <sup>+0.003mm</sup> <sub>-0.000mm</sub>	d <sup>h6</sup>	l	L	R	Part Number	Stock
1.10	3	10	50	18	MR34-0433.406	●
1.11	3	10	50	18	MR34-0437.406	●
1.12	3	10	50	18	MR34-0441.406	●
1.13	3	10	50	18	MR34-0445.406	●
1.14	3	10	50	18	MR34-0449.406	●
1.15	3	10	50	18	MR34-0453.406	●
1.16	3	10	50	18	MR34-0457.406	●
1.17	3	10	50	18	MR34-0461.406	●
1.18	3	10	50	18	MR34-0464.406	●
1.19	3	10	50	18	MR34-0468.406	●
1.20	3	10	50	18	MR34-0472.406	●
1.21	3	10	50	18	MR34-0476.406	●
1.22	3	10	50	18	MR34-0480.406	●
1.23	3	10	50	18	MR34-0484.406	●
1.24	3	10	50	18	MR34-0488.406	●
1.25	3	10	50	18	MR34-0492.406	●
1.26	3	10	50	18	MR34-0496.406	●
1.27	3	10	50	18	MR34-0500.406	●
1.28	3	10	50	18	MR34-0504.406	●
1.29	3	10	50	18	MR34-0508.406	●
1.30	3	10	50	18	MR34-0512.406	●
1.31	3	10	50	18	MR34-0516.406	●
1.32	3	10	50	18	MR34-0520.406	●
1.33	3	10	50	18	MR34-0523.406	●
1.34	3	10	50	18	MR34-0527.406	●
1.35	3	10	50	18	MR34-0531.406	●
1.36	3	10	50	18	MR34-0535.406	●
1.37	3	10	50	18	MR34-0539.406	●
1.38	3	10	50	18	MR34-0543.406	●
1.39	3	10	50	18	MR34-0547.406	●

SERIES MR34 WORKPIECE MATERIAL															
Coating	P	P	H	H	M	K	N	N	N	N	N	S	S		
	Steel ~30HRC	Steel 30-40HRC	Hardened Steel ~55HRC	Hardened Steel ~68HRC	Stainless Steel	Cast Iron	Aluminum	Graphite	Copper Alloy	CFRP	Plastic	Thermoset Plastic	High Density Plastic	Nickel / Cobalt	Titanium Alloy
Uncoated	★	★	★	★	★	☆	☆	☆	☆	☆	☆	☆	☆	★	★

★ : Priority ☆ : Applicable Materials

Symbol Descriptions Page 7

- : U.S. Stock Standard
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# 3.00mm SHANK

4 FLUTE MICRO REAMERS

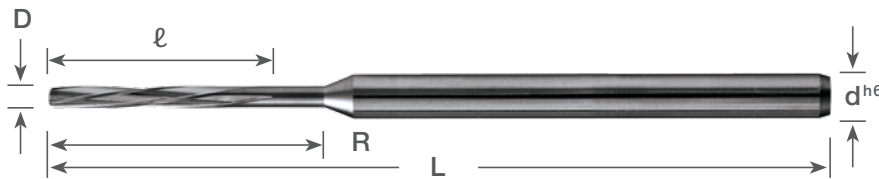
1.40mm - 1.69mm DIAMETER

Mirror Surface Finishes

Sub Micron Grain Carbide

Left Hand Spiral, Right Hand Cutting

For Reaming Through Holes



## STANDARD Length (Metric Sizes)

Symbol Descriptions [Page 7](#)

Dimensions (mm)					Uncoated	
D <sup>+0.003mm</sup> <sub>-0.000mm</sub>	d <sup>h6</sup>	ℓ	L	R	Part Number	Stock
1.40	3	10	50	18	MR34-0551.406	●
1.41	3	10	50	18	MR34-0555.406	●
1.42	3	10	50	18	MR34-0559.406	●
1.43	3	10	50	18	MR34-0563.406	●
1.44	3	10	50	18	MR34-0567.406	●
1.45	3	10	50	18	MR34-0571.406	●
1.46	3	10	50	18	MR34-0575.406	●
1.47	3	10	50	18	MR34-0579.406	●
1.48	3	10	50	18	MR34-0583.406	●
1.49	3	10	50	18	MR34-0586.406	●
1.50	3	10	50	18	MR34-0590.406	●
1.51	3	10	50	18	MR34-0594.406	●
1.52	3	10	50	18	MR34-0598.406	●
1.53	3	10	50	18	MR34-0602.406	●
1.54	3	10	50	18	MR34-0606.406	●
1.55	3	10	50	18	MR34-0610.406	●
1.56	3	10	50	18	MR34-0614.406	●
1.57	3	10	50	18	MR34-0618.406	●
1.58	3	10	50	18	MR34-0622.406	●
1.59	3	10	50	18	MR34-0626.406	●
1.60	3	10	50	18	MR34-0630.406	●
1.61	3	10	50	18	MR34-0634.406	●
1.62	3	10	50	18	MR34-0638.406	●
1.63	3	10	50	18	MR34-0642.406	●
1.64	3	10	50	18	MR34-0646.406	●
1.65	3	10	50	18	MR34-0649.406	●
1.66	3	10	50	18	MR34-0653.406	●
1.67	3	10	50	18	MR34-0657.406	●
1.68	3	10	50	18	MR34-0661.406	●
1.69	3	10	50	18	MR34-0665.406	●

### SERIES MR34 WORKPIECE MATERIAL

Coating	P Steel ~30HRC	P Steel 30-40HRC	H Hardened Steel ~55HRC	H Hardened Steel ~68HRC	M Stainless Steel	K Cast Iron	N Aluminum	N Graphite	N Copper Alloy	N CFRP	N Plastic	N Thermoset Plastic	N High Density Plastic	S Nickel / Cobalt	S Titanium Alloy
Uncoated	★	★	★	★	★	☆	☆	☆	☆	☆	☆	☆	☆	★	★

★ : Priority ☆ : Applicable Materials

Symbol Descriptions [Page 7](#)

# 3.00mm SHANK

4 FLUTE MICRO REAMERS

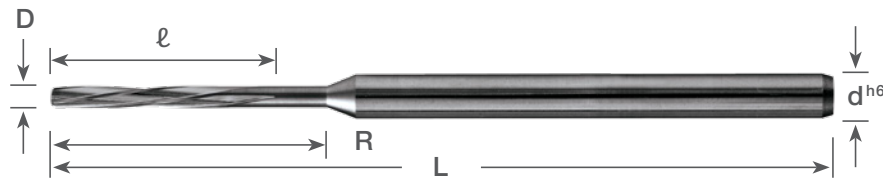
1.70mm - 1.99mm DIAMETER

Mirror Surface Finishes

Sub Micron Grain Carbide

Left Hand Spiral, Right Hand Cutting

For Reaming Through Holes



Symbol Descriptions Page 7

## STANDARD Length (Metric Sizes)

Dimensions (mm)					Uncoated	
D <sup>+0.003mm</sup> <sub>-0.000mm</sub>	d <sup>h6</sup>	l	L	R	Part Number	Stock
1.70	3	10	50	18.00	MR34-0669.406	●
1.71	3	10	50	18.00	MR34-0673.406	●
1.72	3	10	50	18.00	MR34-0677.406	●
1.73	3	10	50	18.00	MR34-0681.406	●
1.74	3	10	50	18.00	MR34-0685.406	●
1.75	3	10	50	18.00	MR34-0689.406	●
1.76	3	10	50	18.00	MR34-0693.406	●
1.77	3	10	50	18.00	MR34-0697.406	●
1.78	3	10	50	18.00	MR34-0701.406	●
1.79	3	10	50	18.00	MR34-0705.406	●
1.80	3	10	50	18.00	MR34-0708.406	●
1.81	3	10	50	18.00	MR34-0712.406	●
1.82	3	10	50	18.00	MR34-0716.406	●
1.83	3	10	50	18.00	MR34-0720.406	●
1.84	3	10	50	18.00	MR34-0724.406	●
1.85	3	10	50	18.00	MR34-0728.406	●
1.86	3	10	50	18.00	MR34-0732.406	●
1.87	3	10	50	18.00	MR34-0736.406	●
1.88	3	10	50	18.00	MR34-0740.406	●
1.89	3	10	50	18.00	MR34-0744.406	●
1.90	3	10	50	18.00	MR34-0748.406	●
1.91	3	10	50	18.00	MR34-0752.406	●
1.92	3	10	50	18.00	MR34-0756.406	●
1.93	3	10	50	18.00	MR34-0760.406	●
1.94	3	10	50	18.00	MR34-0764.406	●
1.95	3	10	50	18.00	MR34-0768.406	●
1.96	3	11	50	20.50	MR34-0771.438	●
1.97	3	11	50	20.50	MR34-0775.438	●
1.98	3	11	50	20.50	MR34-0779.438	●
1.99	3	11	50	20.50	MR34-0783.438	●

SERIES MR34 WORKPIECE MATERIAL															
Coating	P	P	H	H	M	K	N	N	N	N	N	N	S	S	
	Steel ~30HRC	Steel 30-40HRC	Hardened Steel ~55HRC	Hardened Steel ~68HRC	Stainless Steel	Cast Iron	Aluminum	Graphite	Copper Alloy	CFRP	Plastic	Thermoset Plastic	High Density Plastic	Nickel / Cobalt	Titanium Alloy
Uncoated	★	★	★	★	★	☆	☆	☆	☆	☆	☆	☆	☆	★	★

★ : Priority ☆ : Applicable Materials

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# 3.00mm SHANK

4 FLUTE MICRO REAMERS

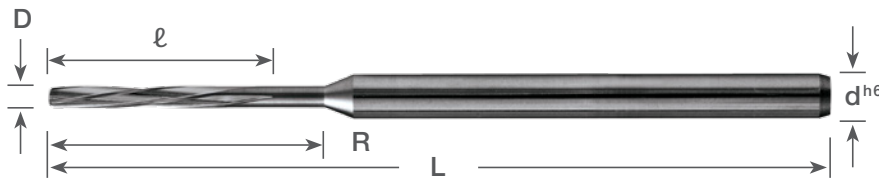
2.00mm - 2.19mm DIAMETER

Mirror Surface Finishes

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## STANDARD Length (Metric Sizes)

Symbol Descriptions [Page 7](#)

Dimensions (mm)					Uncoated	
D <sup>+0.003mm</sup> <sub>-0.000mm</sub>	d <sup>h6</sup>	ℓ	L	R	Part Number	Stock
2.00	3	11	50	20.50	MR34-0787.438	●
2.01	3	11	50	20.50	MR34-0791.438	●
2.02	3	11	50	20.50	MR34-0795.438	●
2.03	3	11	50	20.50	MR34-0799.438	●
2.04	3	11	50	20.50	MR34-0803.438	●
2.05	3	11	50	20.50	MR34-0807.438	●
2.06	3	11	50	20.50	MR34-0811.438	●
2.07	3	11	50	20.50	MR34-0815.438	●
2.08	3	11	50	20.50	MR34-0819.438	●
2.09	3	11	50	20.50	MR34-0823.438	●
2.10	3	11	50	20.50	MR34-0827.438	●
2.11	3	11	50	20.50	MR34-0830.438	●
2.12	3	11	50	20.50	MR34-0835.438	●
2.13	3	11	50	20.50	MR34-0838.438	●
2.14	3	11	50	20.50	MR34-0843.438	●
2.15	3	11	50	20.50	MR34-0846.438	●
2.16	3	11	50	20.50	MR34-0850.438	●
2.17	3	11	50	20.50	MR34-0854.438	●
2.18	3	11	50	20.50	MR34-0858.438	●
2.19	3	11	50	20.50	MR34-0862.438	●

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### SERIES MR34 WORKPIECE MATERIAL

Coating	P Steel ~30HRC	P Steel 30-40HRC	H Hardened Steel ~55HRC	H Hardened Steel ~68HRC	M Stainless Steel	K Cast Iron	N Aluminum	N Graphite	N Copper Alloy	N CFRP	N Plastic	N Thermoset Plastic	N High Density Plastic	S Nickel / Cobalt	S Titanium Alloy
Uncoated	★	★	★	★	★	☆	☆	☆	☆	☆	☆	☆	☆	★	★

★ : Priority ☆ : Applicable Materials

Symbol Descriptions [Page 7](#)



# 3.00mm SHANK

4 FLUTE MICRO REAMERS

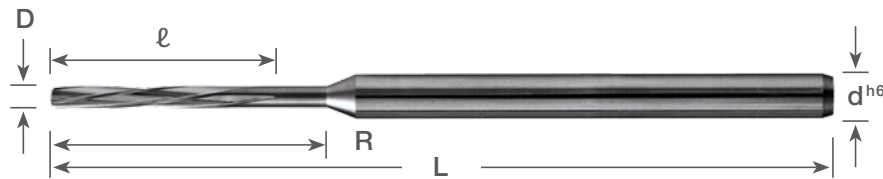
2.20mm - 2.40mm DIAMETER

Mirror Surface Finishes

Sub Micron Grain Carbide

Left Hand Spiral, Right Hand Cutting

For Reaming Through Holes



## STANDARD Length (Metric Sizes)

Symbol Descriptions [Page 7](#)

Dimensions (mm)					Uncoated	
D <sup>+0.003mm</sup> <sub>-0.000mm</sub>	d <sup>h6</sup>	ℓ	L	R	Part Number	Stock
2.20	3	11	50	20.50	MR34-0866.438	●
2.21	3	11	50	20.50	MR34-0870.438	●
2.22	3	11	50	20.50	MR34-0874.438	●
2.23	3	11	50	20.50	MR34-0878.438	●
2.24	3	11	50	20.50	MR34-0882.438	●
2.25	3	11	50	20.50	MR34-0886.438	●
2.26	3	11	50	20.50	MR34-0890.438	●
2.27	3	11	50	20.50	MR34-0894.438	●
2.28	3	11	50	20.50	MR34-0896.438	●
2.29	3	11	50	20.50	MR34-0901.438	●
2.30	3	11	50	20.50	MR34-0906.438	●
2.31	3	11	50	20.50	MR34-0909.438	●
2.32	3	11	50	20.50	MR34-0913.438	●
2.33	3	11	50	20.50	MR34-0917.438	●
2.34	3	11	50	20.50	MR34-0921.438	●
2.35	3	11	50	20.50	MR34-0925.438	●
2.36	3	11	50	20.50	MR34-0929.438	●
2.37	3	11	50	20.50	MR34-0933.438	●
2.38	3	11	50	20.50	MR34-0937.438	●
2.39	3	11	50	20.50	MR34-0941.438	●
2.40	3	11	50	20.50	MR34-0945.438	●

SERIES MR34 WORKPIECE MATERIAL															
Coating	P	P	H	H	M	K	N	N	N	N	N	N	S	S	
	Steel ~30HRC	Steel 30-40HRC	Hardened Steel ~55HRC	Hardened Steel ~68HRC	Stainless Steel	Cast Iron	Aluminum	Graphite	Copper Alloy	CFRP	Plastic	Thermoset Plastic	High Density Plastic	Nickel / Cobalt	Titanium Alloy
Uncoated	★	★	★	★	★	☆	☆	☆	☆	☆	☆	☆	☆	★	★

★ : Priority ☆ : Applicable Materials

Symbol Descriptions [Page 7](#)

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# 4.00mm SHANK

6 FLUTE MICRO REAMERS

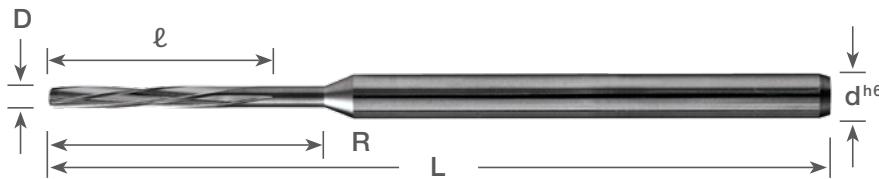
2.41mm - 2.72mm DIAMETER

Mirror Surface Finishes

Sub Micron Grain Carbide

Left Hand Spiral, Right Hand Cutting

For Reaming Through Holes



Symbol Descriptions [Page 7](#)

## STANDARD Length (Metric Sizes)

Dimensions (mm)					Uncoated	
D <sup>+0.003mm</sup> <sub>-0.000mm</sub>	d <sup>h6</sup>	l	L	R	Part Number	Stock
2.41	4	14	75	51	MR46-0949.563	●
2.42	4	14	75	51	MR46-0953.563	●
2.43	4	14	75	51	MR46-0957.563	●
2.44	4	14	75	51	MR46-0960.563	●
2.45	4	14	75	51	MR46-0965.563	●
2.46	4	14	75	51	MR46-0968.563	●
2.47	4	14	75	51	MR46-0972.563	●
2.48	4	14	75	51	MR46-0976.563	●
2.49	4	14	75	51	MR46-0980.563	●
2.50	4	14	75	51	MR46-0984.563	●
2.51	4	14	75	51	MR46-0988.563	●
2.52	4	14	75	51	MR46-0992.563	●
2.53	4	14	75	51	MR46-0996.563	●
2.54	4	14	75	51	MR46-1000.563	●
2.55	4	14	75	51	MR46-1004.563	●
2.56	4	14	75	51	MR46-1008.563	●
2.57	4	14	75	51	MR46-1012.563	●
2.58	4	14	75	51	MR46-1015.563	●
2.59	4	14	75	51	MR46-1019.563	●
2.60	4	14	75	51	MR46-1024.563	●
2.61	4	14	75	51	MR46-1028.563	●
2.62	4	14	75	51	MR46-1031.563	●
2.63	4	14	75	51	MR46-1035.563	●
2.64	4	14	75	51	MR46-1039.563	●
2.65	4	14	75	51	MR46-1043.563	●
2.66	4	14	75	51	MR46-1047.563	●
2.67	4	14	75	51	MR46-1051.563	●
2.68	4	14	75	51	MR46-1055.563	●
2.69	4	14	75	51	MR46-1059.563	●
2.70	4	14	75	51	MR46-1063.563	●
2.71	4	14	75	51	MR46-1067.563	●
2.72	4	14	75	51	MR46-1071.563	●

### SERIES MR46 WORKPIECE MATERIAL

Coating	P	P	H	H	M	K	N	N	N	N	N	N	N	S	S
	Steel ~30HRC	Steel 30-40HRC	Hardened Steel ~55HRC	Hardened Steel ~68HRC	Stainless Steel	Cast Iron	Aluminum	Graphite	Copper Alloy	CFRP	Plastic	Thermoset Plastic	High Density Plastic	Nickel / Cobalt	Titanium Alloy
Uncoated	★	★	★	★	★	☆	☆	☆	☆	☆	☆	☆	☆	★	★

★ : Priority ☆ : Applicable Materials

Symbol Descriptions [Page 7](#)

# 4.00mm SHANK

6 FLUTE MICRO REAMERS

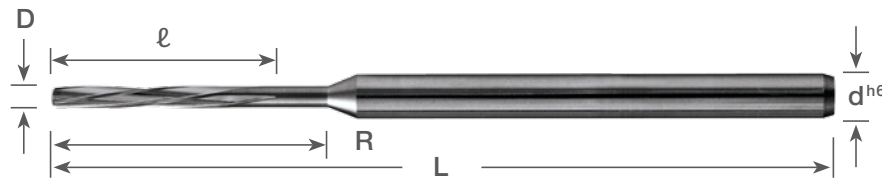
2.73mm - 3.10mm DIAMETER

Mirror Surface Finishes

Sub Micron Grain Carbide

Left Hand Spiral, Right Hand Cutting

For Reaming Through Holes



## STANDARD Length (Metric Sizes)

Symbol Descriptions [Page 7](#)

Dimensions (mm)					Uncoated	
D <sup>+0.003mm</sup> <sub>-0.000mm</sub>	d <sup>h6</sup>	ℓ	L	R	Part Number	Stock
2.73	4	14	75	51	MR46-1075.563	●
2.74	4	14	75	51	MR46-1078.563	●
2.75	4	14	75	51	MR46-1083.563	●
2.76	4	14	75	51	MR46-1087.563	●
2.77	4	14	75	51	MR46-1090.563	●
2.78	4	14	75	51	MR46-1094.563	●
2.79	4	14	75	51	MR46-1098.563	●
2.80	4	14	75	51	MR46-1102.563	●
2.81	4	14	75	51	MR46-1106.563	●
2.82	4	14	75	51	MR46-1110.563	●
2.83	4	14	75	51	MR46-1114.563	●
2.84	4	14	75	51	MR46-1118.563	●
2.85	4	14	75	51	MR46-1122.563	●
2.87	4	14	75	51	MR46-1130.563	●
2.88	4	14	75	51	MR46-1134.563	●
2.89	4	14	75	51	MR46-1138.563	●
2.90	4	14	75	51	MR46-1141.563	●
2.91	4	14	75	51	MR46-1146.563	●
2.92	4	14	75	51	MR46-1149.563	●
2.93	4	14	75	51	MR46-1154.563	●
2.94	4	14	75	51	MR46-1157.563	●
2.95	4	16	75	51	MR46-1161.625	●
2.96	4	16	75	51	MR46-1164.625	●
2.97	4	16	75	51	MR46-1169.625	●
2.98	4	16	75	51	MR46-1173.625	●
2.99	4	16	75	51	MR46-1177.625	●
3.00	4	16	75	51	MR46-1181.625	●
3.01	4	16	75	51	MR46-1185.625	●
3.02	4	16	75	51	MR46-1189.625	●
3.03	4	16	75	51	MR46-1193.625	●
3.05	4	16	75	51	MR46-1200.625	●
3.10	4	16	75	51	MR46-1220.625	●

SERIES MR46 WORKPIECE MATERIAL															
Coating	P	P	H	H	M	K	N	N	N	N	N	N	S	S	
	Steel ~30HRC	Steel 30~40HRC	Hardened Steel ~55HRC	Hardened Steel ~68HRC	Stainless Steel	Cast Iron	Aluminum	Graphite	Copper Alloy	CFRP	Plastic	Thermoset Plastic	High Density Plastic	Nickel / Cobalt	Titanium Alloy
Uncoated	★	★	★	★	★	☆	☆	☆	☆	☆	☆	☆	☆	★	★

★ : Priority ☆ : Applicable Materials

Symbol Descriptions [Page 7](#)

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# 4.00mm SHANK

6 FLUTE MICRO REAMERS

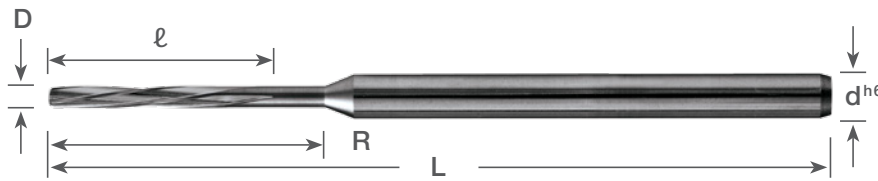
3.20mm - 3.90mm DIAMETER

Mirror Surface Finishes

Sub Micron Grain Carbide

Left Hand Spiral, Right Hand Cutting

For Reaming Through Holes



Symbol Descriptions [Page 7](#)

## STANDARD Length (Metric Sizes)

Dimensions (mm)					Uncoated		AlTiN Coating	
D <sup>+0.003mm</sup> / <sub>-0.000mm</sub>	d <sup>h6</sup>	ℓ	L	R	Part Number	Stock	Part Number	Stock
3.20	4	17	64	36	MR46-1260.669	●	MR46-1260L669	●
3.30	4	17	64	36	MR46-1299.669	●	MR46-1299L669	●
3.40	4	17	64	36	MR46-1339.669	●	MR46-1339L669	●
3.50	4	17	64	36	MR46-1378.669	●	MR46-1378L669	●
3.60	4	17	64	36	MR46-1417.669	●	MR46-1417L669	●
3.70	4	17	64	36	MR46-1457.669	●	MR46-1457L669	●
3.80	4	17	64	36	MR46-1496.669	●	MR46-1496L669	●
3.90	4	17	64	36	MR46-1535.669	●	MR46-1535L669	●

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### SERIES MR46 WORKPIECE MATERIAL

Coating	P Steel ~30HRC	P Steel 30-40HRC	H Hardened Steel ~55HRC	H Hardened Steel ~68HRC	M Stainless Steel	K Cast Iron	N Aluminum	N Graphite	N Copper Alloy	N CFRP	N Plastic	N Thermoset Plastic	N High Density Plastic	S Nickel / Cobalt	S Titanium Alloy
AlTiN	★	★	★	★	★	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
Uncoated	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆

★ : Priority ☆ : Applicable Materials

Symbol Descriptions [Page 7](#)

# 6.00mm SHANK

6 FLUTE MICRO REAMERS

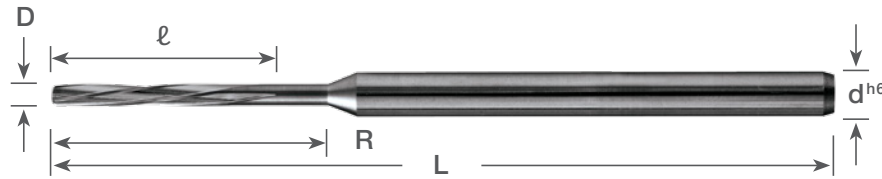
3.97mm - 5.90mm DIAMETER

Mirror Surface Finishes

Sub Micron Grain Carbide

Left Hand Spiral, Right Hand Cutting

For Reaming Through Holes



Symbol Descriptions Page 7

## STANDARD Length (Metric Sizes)

Dimensions (mm)					Uncoated		AlTiN Coating	
D <sup>+0.003mm</sup> <sub>-0.000mm</sub>	d <sup>h6</sup>	ℓ	L	R	Part Number	Stock	Part Number	Stock
3.97	6	21	77	45	MR66-1563.827	●	MR66-1563L827	●
3.98	6	21	77	45	MR66-1567.827	●	MR66-1567L827	●
3.99	6	21	77	45	MR66-1571.827	●	MR66-1571L827	●
4.00	6	21	77	45	MR66-1575.827	●	MR66-1575L827	●
4.01	6	21	77	45	MR66-1579.827	●	MR66-1579L827	●
4.02	6	21	77	45	MR66-1583.827	●	MR66-1583L827	●
4.03	6	21	77	45	MR66-1587.827	●	MR66-1587L827	●
4.10	6	21	77	45	MR66-1614.827	●	MR66-1614L827	●
4.20	6	21	77	45	MR66-1654.827	●	MR66-1654L827	●
4.30	6	21	77	45	MR66-1693.827	●	MR66-1693L827	●
4.40	6	21	77	45	MR66-1732.827	●	MR66-1732L827	●
4.50	6	21	77	45	MR66-1772.827	●	MR66-1772L827	●
4.60	6	21	77	45	MR66-1811.827	●	MR66-1811L827	●
4.70	6	21	77	45	MR66-1850.827	●	MR66-1850L827	●
4.80	6	21	77	45	MR66-1890.827	●	MR66-1890L827	●
4.90	6	21	77	45	MR66-1929.827	●	MR66-1929L827	●
4.97	6	26	93	59	MR66-1957.1024	●	MR66-1957L1024	●
4.98	6	26	93	59	MR66-1961.1024	●	MR66-1961L1024	●
4.99	6	26	93	59	MR66-1965.1024	●	MR66-1965L1024	●
5.00	6	26	93	59	MR66-1968.1024	●	MR66-1968L1024	●
5.01	6	26	93	59	MR66-1972.1024	●	MR66-1972L1024	●
5.02	6	26	93	59	MR66-1976.1024	●	MR66-1976L1024	●
5.03	6	26	93	59	MR66-1980.1024	●	MR66-1980L1024	●
5.10	6	26	93	59	MR66-2008.1024	●	MR66-2008L1024	●
5.20	6	26	93	59	MR66-2047.1024	●	MR66-2047L1024	●
5.30	6	26	93	59	MR66-2087.1024	●	MR66-2087L1024	●
5.40	6	26	93	59	MR66-2126.1024	●	MR66-2126L1024	●
5.50	6	26	93	59	MR66-2165.1024	●	MR66-2165L1024	●
5.60	6	26	93	59	MR66-2205.1024	●	MR66-2205L1024	●
5.70	6	26	93	59	MR66-2244.1024	●	MR66-2244L1024	●
5.80	6	26	93	59	MR66-2283.1024	●	MR66-2283L1024	●
5.90	6	26	93	59	MR66-2323.1024	●	MR66-2323L1024	●

SERIES MR66 WORKPIECE MATERIAL															
Coating	P Steel ~30HRC	P Steel 30-40HRC	H Hardened Steel ~55HRC	H Hardened Steel ~68HRC	M Stainless Steel	K Cast Iron	N Aluminum	N Graphite	N Copper Alloy	N CFRP	N Plastic	N Thermoset Plastic	N High Density Plastic	S Nickel / Cobalt	S Titanium Alloy
AlTiN	★	★	★	★	★	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
Uncoated	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆

★ : Priority ☆ : Applicable Materials

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# 8.00mm SHANK

6 FLUTE MICRO REAMERS

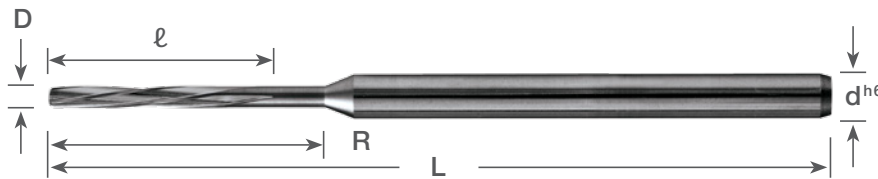
5.97mm - 7.90mm DIAMETER

Mirror Surface Finishes

Sub Micron Grain Carbide

Left Hand Spiral, Right Hand Cutting

For Reaming Through Holes



Symbol Descriptions [Page 7](#)

## STANDARD Length (Metric Sizes)

Dimensions (mm)					Uncoated		AlTiN Coating	
D <sup>+0.003mm</sup> <sub>-0.000mm</sub>	d <sup>h6</sup>	ℓ	L	R	Part Number	Stock	Part Number	Stock
5.97	8	26	93	59	MR86-2350.1024	●	MR86-2350L1024	●
5.98	8	26	93	59	MR86-2354.1024	●	MR86-2354L1024	●
5.99	8	26	93	59	MR86-2358.1024	●	MR86-2358L1024	●
6.00	8	26	93	59	MR86-2362.1024	●	MR86-2362L1024	●
6.01	8	26	93	59	MR86-2366.1024	●	MR86-2366L1024	●
6.02	8	26	93	59	MR86-2370.1024	●	MR86-2370L1024	●
6.03	8	26	93	59	MR86-2374.1024	●	MR86-2374L1024	●
6.10	8	26	93	59	MR86-2402.1024	●	MR86-2402L1024	●
6.20	8	26	93	59	MR86-2441.1024	●	MR86-2441L1024	●
6.30	8	26	93	59	MR86-2480.1024	●	MR86-2480L1024	●
6.40	8	26	93	59	MR86-2520.1024	●	MR86-2520L1024	●
6.50	8	26	93	59	MR86-2559.1024	●	MR86-2559L1024	●
6.60	8	26	93	59	MR86-2598.1024	●	MR86-2598L1024	●
6.70	8	26	93	59	MR86-2638.1024	●	MR86-2638L1024	●
6.80	8	26	93	59	MR86-2677.1024	●	MR86-2677L1024	●
6.90	8	26	93	59	MR86-2717.1024	●	MR86-2717L1024	●
6.97	8	31	109	69	MR86-2744.1220	●	MR86-2744L1220	●
6.98	8	31	109	69	MR86-2748.1220	●	MR86-2748L1220	●
6.99	8	31	109	69	MR86-2752.1220	●	MR86-2752L1220	●
7.00	8	31	109	69	MR86-2756.1220	●	MR86-2756L1220	●
7.01	8	31	109	69	MR86-2760.1220	●	MR86-2760L1220	●
7.02	8	31	109	69	MR86-2764.1220	●	MR86-2764L1220	●
7.03	8	31	109	69	MR86-2768.1220	●	MR86-2768L1220	●
7.10	8	31	109	69	MR86-2795.1220	●	MR86-2795L1220	●
7.20	8	31	109	69	MR86-2835.1220	●	MR86-2835L1220	●
7.30	8	31	109	69	MR86-2874.1220	●	MR86-2874L1220	●
7.40	8	31	109	69	MR86-2913.1220	●	MR86-2913L1220	●
7.50	8	31	109	69	MR86-2953.1220	●	MR86-2953L1220	●
7.60	8	31	109	69	MR86-2992.1220	●	MR86-2992L1220	●
7.70	8	31	109	69	MR86-3031.1220	●	MR86-3031L1220	●
7.80	8	31	109	69	MR86-3071.1220	●	MR86-3071L1220	●
7.90	8	31	109	69	MR86-3110.1220	●	MR86-3110L1220	●

### SERIES MR86 WORKPIECE MATERIAL

Coating	P	P	H	H	M	K	N	N	N	N	N	N	S	S	
	Steel ~30HRC	Steel 30-40HRC	Hardened Steel ~55HRC	Hardened Steel ~68HRC	Stainless Steel	Cast Iron	Aluminum	Graphite	Copper Alloy	CFRP	Plastic	Thermoset Plastic	High Density Plastic	Nickel / Cobalt	Titanium Alloy
AlTiN	★	★	★	★	★	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
Uncoated	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆

★ : Priority ☆ : Applicable Materials

Symbol Descriptions [Page 7](#)

# 10.00mm SHANK

6 FLUTE MICRO REAMERS

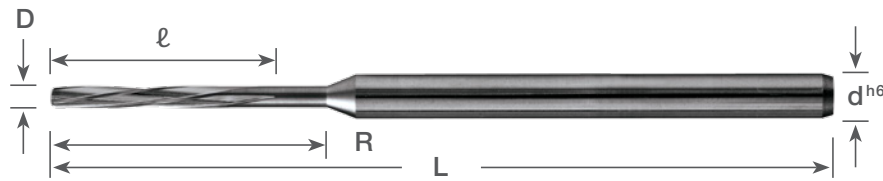
7.97mm - 8.03mm DIAMETER

Mirror Surface Finishes

Sub Micron Grain Carbide

Left Hand Spiral, Right Hand Cutting

For Reaming Through Holes



Symbol Descriptions [Page 7](#)

## STANDARD Length (Metric Sizes)

Dimensions (mm)					Uncoated		AlTiN Coating	
D <sup>+0.003mm</sup> <sub>-0.000mm</sub>	d <sup>h6</sup>	l	L	R	Part Number	Stock	Part Number	Stock
7.97	10	33	133	75	MR106-3138.1299	●	MR106-3138L1299	●
7.98	10	33	133	75	MR106-3142.1299	●	MR106-3142L1299	●
7.99	10	33	133	75	MR106-3146.1299	●	MR106-3146L1299	●
8.00	10	33	133	75	MR106-3150.1299	●	MR106-3150L1299	●
8.01	10	33	133	75	MR106-3154.1299	●	MR106-3154L1299	●
8.02	10	33	133	75	MR106-3157.1299	●	MR106-3157L1299	●
8.03	10	33	133	75	MR106-3161.1299	●	MR106-3161L1299	●

DRILLS  
END MILLS  
ROUTERS  
THREAD MILLS & TAPS  
ENGRAVERS  
BORING BARS  
REAMERS  
SAWS  
TECHNICAL  
INDEX

SERIES MR106 WORKPIECE MATERIAL															
Coating	P Steel -30HRC	P Steel 30-40HRC	H Hardened Steel -55HRC	H Hardened Steel -68HRC	M Stainless Steel	K Cast Iron	N Aluminum	N Graphite	N Copper Alloy	N CFRP	N Plastic	N Thermoset Plastic	N High Density Plastic	S Nickel / Cobalt	S Titanium Alloy
AlTiN	★	★	★	★	★	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
Uncoated	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆

★ : Priority ☆ : Applicable Materials

Symbol Descriptions [Page 7](#)

● : U.S. Stock Standard  
■ : NOT STOCKED - Call for Delivery  
▲ : Coming Soon

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