

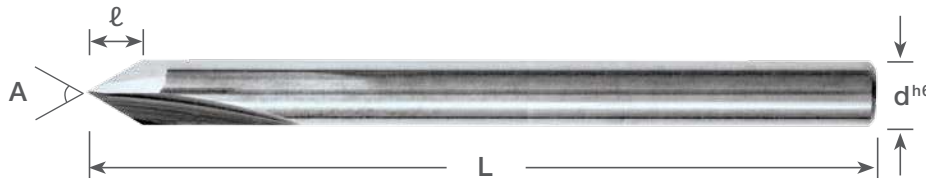
# METRIC SHANK

### CHAMFER MILLS

60°, 90°, 120° ANGLES

Mirror Surface Finishes

Sub Micron Grain Carbide



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### 60° Angle

Included Angle A (+/- 1°)	Side Angle (+/- 1°)	Dimensions (mm)			Uncoated		AlTiN Coating	
		ℓ	d <sup>h6</sup>	L	Part Number	Stock	Part Number	Stock
60°	15°	2.5	3.00	38	CMM-1181.060	●	CMM-1181L060	●
60°	15°	5.2	6.00	50	CMM-2362.060	●	CMM-2362L060	●
60°	15°	6.9	8.00	59	CMM-3150.060	●	CMM-3150L060	●
60°	15°	8.6	10.00	60	CMM-3937.060	●	CMM-3937L060	●
60°	15°	10.3	12.00	70	CMM-4724.060	●	CMM-4724L060	●

### 90° Angle

Included Angle A (+/- 1°)	Side Angle (+/- 1°)	Dimensions (mm)			Uncoated		AlTiN Coating	
		ℓ	d <sup>h6</sup>	L	Part Number	Stock	Part Number	Stock
90°	45°	1.5	3.00	38	CMM-1181.090	●	CMM-1181L090	●
90°	45°	3.0	6.00	50	CMM-2362.090	●	CMM-2362L090	●
90°	45°	4.0	8.00	59	CMM-3150.090	●	CMM-3150L090	●
90°	45°	5.0	10.00	60	CMM-3937.090	●	CMM-3937L090	●
90°	45°	6.0	12.00	70	CMM-4724.090	●	CMM-4724L090	●

### 120° Angle

Included Angle A (+/- 1°)	Side Angle (+/- 1°)	Dimensions (mm)			Uncoated		AlTiN Coating	
		ℓ	d <sup>h6</sup>	L	Part Number	Stock	Part Number	Stock
120°	60°	0.8	3.00	38	CMM-1181.120	●	CMM-1181L120	●
120°	60°	1.7	6.00	50	CMM-2362.120	●	CMM-2362L120	●
120°	60°	2.3	8.00	59	CMM-3150.120	●	CMM-3150L120	●
120°	60°	2.8	10.00	60	CMM-3937.120	●	CMM-3937L120	●
120°	60°	3.4	12.00	70	CMM-4724.120	●	CMM-4724L120	●

### SERIES CMM 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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