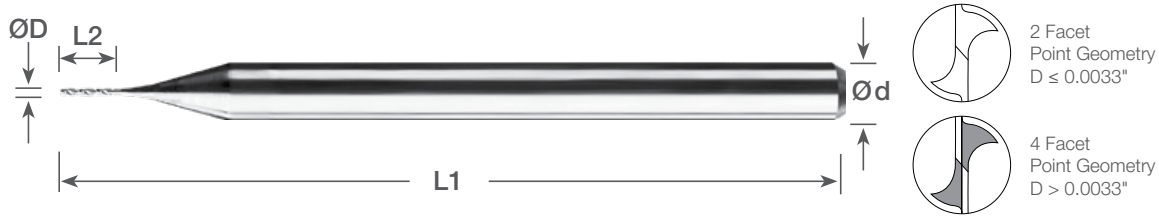


# 1/8" SHANK

ULTRA PRECISION MICRO DRILLS  
MACOR® / VESPEL® DRILLING

0.0015" - 0.0040" DIAMETER

Mirror Surface Finishes  
Sub Micron Grain Carbide



## STANDARD Flute Length



Uncoated		Drill Size	Dimensions (in)				Point Angle
Part Number	Stock		ØD <sup>+0.000000</sup> <sub>-0.000050</sub>	Ød	L1	L2	
390-0015.020	●	0.0015"	0.0015	1/8	1 1/2	0.0200	90°
390-0018.025	●	0.0018"	0.0018	1/8	1 1/2	0.0250	90°
390-0020.030	●	0.05mm	0.0020	1/8	1 1/2	0.0300	90°
390-0021.030	●	0.0021"	0.0021	1/8	1 1/2	0.0300	90°
390-0022.030	●	0.0022"	0.0022	1/8	1 1/2	0.0300	90°
390-0023.030	●	0.0023"	0.0023	1/8	1 1/2	0.0300	90°
390-0024.030	●	0.06mm	0.0024	1/8	1 1/2	0.0300	90°
390-0025.040	●	0.0025"	0.0025	1/8	1 1/2	0.0400	90°
390-0026.040	●	0.0026"	0.0026	1/8	1 1/2	0.0400	90°
390-0027.050	●	0.0027"	0.0027	1/8	1 1/2	0.0500	90°
390-0028.050	●	0.07mm	0.0028	1/8	1 1/2	0.0500	90°
390-0029.050	●	0.0029"	0.0029	1/8	1 1/2	0.0500	90°
390-0030.050	●	0.0030"	0.0030	1/8	1 1/2	0.0500	90°
390-0031.050	●	0.08mm	0.0031	1/8	1 1/2	0.0500	90°
390-0032.050	●	0.0032"	0.0032	1/8	1 1/2	0.0500	90°
390-0033.050	●	0.0033"	0.0033	1/8	1 1/2	0.0500	90°
390-0034.050	●	0.0034"	0.0034	1/8	1 1/2	0.0500	90°
390-0035.050	●	0.09mm	0.0035	1/8	1 1/2	0.0500	90°
390-0036.050	●	0.0036"	0.0036	1/8	1 1/2	0.0500	90°
390-0037.050	●	0.0037"	0.0037	1/8	1 1/2	0.0500	90°
390-0038.050	●	0.0038"	0.0038	1/8	1 1/2	0.0500	90°
390-0039.050	●	0.0039"	0.0039	1/8	1 1/2	0.0500	90°
390-0040.015	●	0.10mm	0.0040	1/8	1 1/2	0.0150	90°
390-0040.025	●	0.10mm	0.0040	1/8	1 1/2	0.0250	90°
390-0040.050	●	0.10mm	0.0040	1/8	1 1/2	0.0500	90°
390-0040.060	●	0.10mm	0.0040	1/8	1 1/2	0.0600	130°

- L SOLID TOOLS
- DRILLS
- END MILLS
- ROUTERS
- THREAD MILLS & TAPS
- ENGRAVERS
- BORING BARS
- REAMERS
- TECHNICAL

SERIES 390 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	Brass	CFRP	Plastic	Thermoset Plastic	High Density Plastic	Nickel / Cobalt	Titanium Alloy
Uncoated							☆	☆	★	★	☆	★	★	★		☆

★ : Priority ☆ : Applicable Materials Recommended Cutting Conditions Page L213 Symbol Descriptions Page L3