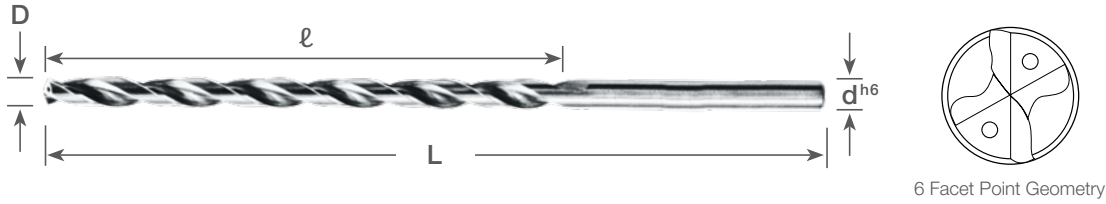


# 4.00mm SHANK

COOLANT FED MICRO DRILLS  
DEEP HOLE DRILLING PRIORITY



3.05mm - 4.00mm DIAMETER  
Mirror Surface Finishes  
Sub Micron Grain Carbide



6 Facet Point Geometry



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## EXTENDED Flute Length

Dimensions (mm)				Uncoated		AlTiN Coating	
D <sup>+0.001mm -0.010mm</sup>	d <sup>h6</sup>	ℓ	L	Part Number	Stock	Part Number	Stock
3.05	4	54.90	104	813-1201.2163	●	813-1201L2163	●
3.10	4	55.80	104	813-1220.2199	●	813-1220L2199	●
3.15	4	56.70	104	813-1240.2234	■	813-1240L2234	■
3.20	4	57.60	104	813-1260.2269	●	813-1260L2269	●
3.25	4	58.50	104	813-1280.2305	■	813-1280L2305	■
3.30	4	59.40	104	813-1299.2340	●	813-1299L2340	●
3.35	4	60.30	104	813-1319.2376	■	813-1319L2376	■
3.40	4	61.20	104	813-1339.2411	●	813-1339L2411	●
3.45	4	62.10	104	813-1358.2447	■	813-1358L2447	■
3.50	4	63.00	104	813-1378.2482	●	813-1378L2482	●
3.55	4	63.90	104	813-1398.2518	■	813-1398L2518	■
3.60	4	64.80	104	813-1417.2553	●	813-1417L2553	●
3.65	4	65.70	104	813-1437.2589	■	813-1437L2589	■
3.70	4	66.60	104	813-1457.2624	●	813-1457L2624	●
3.75	4	67.50	104	813-1476.2660	■	813-1476L2660	■
3.80	4	68.40	104	813-1496.2695	●	813-1496L2695	●
3.85	4	69.30	104	813-1516.2730	■	813-1516L2730	■
3.90	4	70.20	104	813-1535.2766	●	813-1535L2766	●
3.95	4	71.10	104	813-1555.2801	■	813-1555L2801	■
4.00	4	72.00	104	813-1575.2837	●	813-1575L2837	●

SERIES 813 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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