

0.1250" - 0.5000" DIAMETER

Match with HYDROS Coolant Fed Deep Drills Product Line

Increased Positional Accuracy

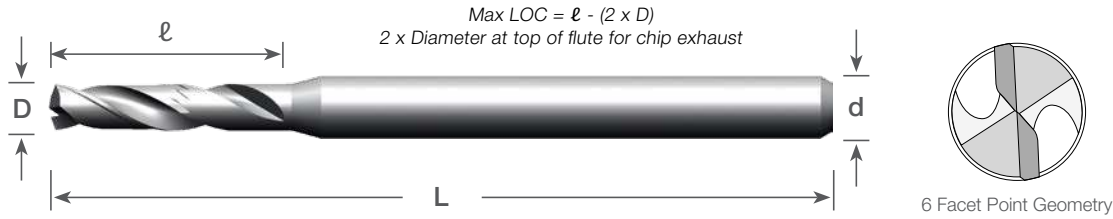
Less Heat Build Up

Excellent Pilot Hole Drill

External Coolant

ORION INCH SHANK

HIGH PERFORMANCE DRILLS



STANDARD Flute Length



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Dimensions (in)				Point Angle	AITiN Nano	
D	d	l	L		Part Number	Stock
0.1250 (1/8)	0.1875	0.625	2.5	142°	160-1250AG625	●
0.1406 (9/64)	0.1875	0.703	2.5	142°	160-1406AG703	●
0.1563 (5/32)	0.1875	0.781	2.5	142°	160-1563AG781	●
0.1719 (11/64)	0.1875	0.859	2.5	142°	160-1719AG859	●
0.1875 (3/16)	0.2500	0.938	2.5	142°	160-1875AG938	●
0.2031 (13/64)	0.2500	1.016	2.5	142°	160-2031AG1016	●
0.2188 (7/32)	0.2500	1.094	2.5	142°	160-2188AG1094	●
0.2344 (15/64)	0.2500	1.172	2.5	142°	160-2344AG1172	●
0.2500 (1/4)	0.3125	1.250	3.0	142°	160-2500AG1250	●
0.2570 (F)	0.3125	1.285	3.0	142°	160-2570AG1285	●
0.2656 (17/64)	0.3125	1.328	3.0	142°	160-2656AG1328	●
0.2813 (9/32)	0.3125	1.406	3.0	142°	160-2813AG1406	●
0.3125 (5/16)	0.3750	1.563	4.0	142°	160-3125AG1563	●
0.3320 (Q)	0.3750	1.660	4.0	142°	160-3320AG1660	●
0.3438 (11/32)	0.3750	1.719	4.0	142°	160-3438AG1719	●
0.3750 (3/8)	0.4375	1.875	4.5	142°	160-3750AG1875	●
0.4219 (27/64)	0.4375	2.109	4.5	142°	160-4219AG2109	●
0.4375 (7/16)	0.5000	2.188	5.0	142°	160-4375AG2188	●
0.4531 (29/64)	0.5000	2.266	5.0	142°	160-4531AG2266	●
0.5000 (1/2)	0.6250	2.50	5.0	142°	160-5000AG2500	●

Match with HYDROS Deep Hole Coolant Drills **Series 860** [Page 61](#)

Diameter Tolerance

Diameter (D)	0.1250" - 0.2344"	0.2500" - 0.3750"	0.4219" - 0.5000"
Tolerance + / +	+0.00016"/+0.00063"	+0.00024"/+0.00083"	+0.00028"/+0.00098"

Shank Tolerance

Shank Dia. (d)	0.1250" - 0.2344"	0.2500" - 0.3750"	0.4219" - 0.5000"
Tolerance + / -	+0.00000"/-0.00032"	+0.00000"/-0.00035"	+0.00000"/-0.00043"

SERIES 160 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
AITiN Nano	★	★	★	★	★	☆	☆	☆	☆	☆	☆	☆	☆	★	★

★ : Priority ☆ : Applicable Materials

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