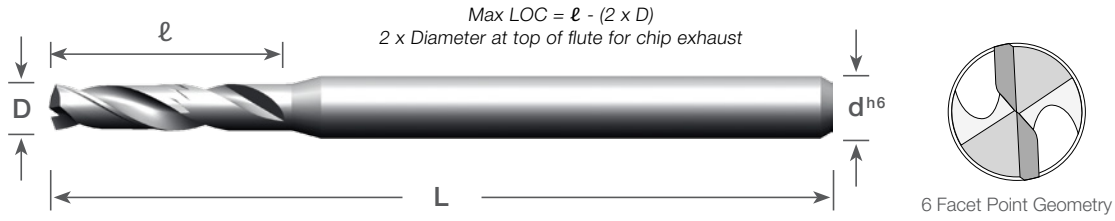


ORION METRIC SHANK

HIGH PERFORMANCE DRILLS

6.90mm - 9.50mm DIAMETER
 Match with HYDROS Coolant Fed Deep Drills Product Line
 Increased Positional Accuracy
 Less Heat Build Up
 Excellent Pilot Hole Drill
 External Coolant



STANDARD Flute Length



Symbol Descriptions [Page 7](#)

Dimensions (mm)				Point Angle	AITiN Nano	
D^{m7}	d^{h6}	l	L		Part Number	Stock
6.90	8	34.5	80	142°	165-2717AG1358	●
7.00	8	35.0	80	142°	165-2756AG1378	●
7.10	8	35.5	80	142°	165-2795AG1398	●
7.20	8	36.0	80	142°	165-2835AG1417	●
7.30	8	36.5	80	142°	165-2874AG1437	●
7.40	8	37.0	80	142°	165-2913AG1457	●
7.50	8	37.5	80	142°	165-2953AG1476	●
7.60	8	38.0	80	142°	165-2992AG1496	●
7.70	8	38.5	80	142°	165-3031AG1516	●
7.80	8	39.0	80	142°	165-3071AG1535	●
7.90	8	39.5	80	142°	165-3110AG1555	●
8.00	10	40.0	100	142°	165-3150AG1575	●
8.10	10	40.5	100	142°	165-3189AG1594	●
8.20	10	41.0	100	142°	165-3228AG1614	●
8.30	10	41.5	100	142°	165-3268AG1634	●
8.40	10	42.0	100	142°	165-3307AG1654	●
8.50	10	42.5	100	142°	165-3346AG1673	●
8.60	10	43.0	100	142°	165-3386AG1693	●
8.70	10	43.5	100	142°	165-3425AG1713	●
8.80	10	44.0	100	142°	165-3465AG1732	●
8.90	10	44.5	100	142°	165-3504AG1752	●
9.00	10	45.0	100	142°	165-3543AG1772	●
9.10	10	45.5	100	142°	165-3583AG1791	●
9.20	10	46.0	100	142°	165-3622AG1811	●
9.30	10	46.5	100	142°	165-3661AG1831	●
9.40	10	47.0	100	142°	165-3701AG1850	●
9.50	10	47.5	100	142°	165-3740AG1870	●

Match with HYDROS Deep Hole Coolant Drills [Series 865](#) [Page 64](#)

SERIES 165 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
AITiN Nano	★	★	★	★	★	☆	☆	☆	☆	☆	☆	☆	☆	★	★

★ : Priority ☆ : Applicable Materials

Symbol Descriptions [Page 7](#)

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

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