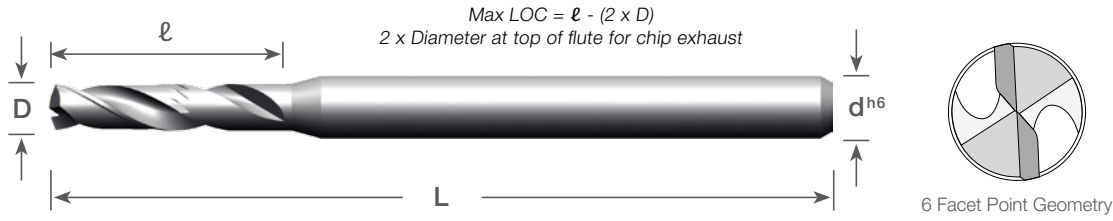


9.60mm - 12.00mm DIAMETER

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

ORION METRIC SHANK

HIGH PERFORMANCE DRILLS



STANDARD Flute Length



Symbol Descriptions [Page 7](#)

Dimensions (mm)				Point Angle	AITIN Nano	
D^{m7}	d^{h6}	l	L		Part Number	Stock
9.60	10	48.0	100	142°	165-3780AG1890	●
9.70	10	48.5	100	142°	165-3819AG1909	●
9.80	10	49.0	100	142°	165-3858AG1929	●
9.90	10	49.5	100	142°	165-3898AG1949	●
10.00	12	50.0	110	142°	165-3937AG1969	●
10.10	12	50.5	110	142°	165-3976AG1988	●
10.20	12	51.0	110	142°	165-4016AG2008	●
10.30	12	51.5	110	142°	165-4055AG2028	●
10.40	12	52.0	110	142°	165-4094AG2047	●
10.50	12	52.5	110	142°	165-4134AG2067	●
10.60	12	53.0	110	142°	165-4173AG2087	●
10.70	12	53.5	110	142°	165-4213AG2106	●
10.80	12	54.0	110	142°	165-4252AG2126	●
10.90	12	54.5	110	142°	165-4291AG2146	●
11.00	12	55.0	110	142°	165-4331AG2165	●
11.10	12	55.5	110	142°	165-4370AG2185	●
11.20	12	56.0	110	142°	165-4409AG2205	●
11.30	12	56.5	110	142°	165-4449AG2224	●
11.40	12	57.0	110	142°	165-4488AG2244	●
11.50	12	57.5	110	142°	165-4528AG2264	●
11.60	12	58.0	110	142°	165-4567AG2283	●
11.70	12	58.5	110	142°	165-4606AG2303	●
11.80	12	59.0	110	142°	165-4646AG2323	●
11.90	12	59.5	110	142°	165-4685AG2343	●
12.00	14	60.0	110	142°	165-4724AG2362	●

Match with HYDROS Deep Hole Coolant Drills **Series 865** [Page 65](#)

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](#)