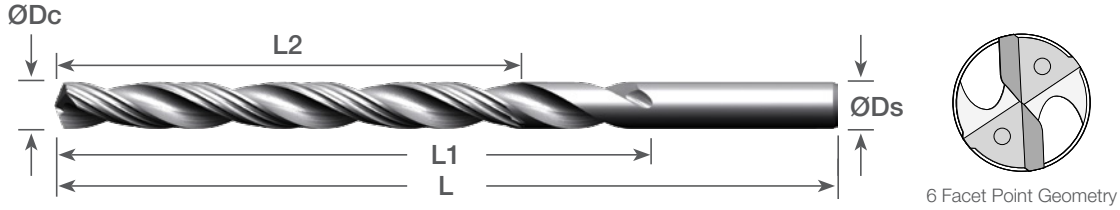


HYDROS INCH SHANK

COOLANT FED DEEP DRILLS
DEEP HOLE DRILLING PRIORITY
Excellent for Difficult-to-Cut Materials



0.1250" - 0.5000" DIAMETER
Sub Micron Grain Carbide
Superior Hole Wall Surface Finishes
Double Margin Design
Straight Through Drilling Without Pecking
Matching Pilot Drills



HYDROS Coolant Fed Deep Drill



Symbol Descriptions [Page 7](#)

Dimensions (in)					Point Angle	AITiN Nano	
ØDc	ØDs	L	L1	*L2		Part Number	Stock
0.1250 (1/8)	0.1250	3 1/2	1.6250	1.2500	135°	860-1250AG1625	◆
0.1406 (9/64)	0.1875	4	1.8280	1.4060	135°	860-1406AG1828	◆
0.1563 (5/32)	0.1875	4	2.0310	1.5630	135°	860-1563AG2031	◆
0.1719 (11/64)	0.1875	4	2.2340	1.7190	135°	860-1719AG2234	◆
0.1875 (3/16)	0.1875	4 1/2	2.4380	1.8750	135°	860-1875AG2438	◆
0.2031 (13/64)	0.2500	4 1/2	2.6410	2.0310	135°	860-2031AG2641	◆
0.2188 (7/32)	0.2500	5	2.8440	2.1880	135°	860-2188AG2844	◆
0.2344 (15/64)	0.2500	5	3.0470	2.3440	135°	860-2344AG3047	◆
0.2500 (1/4)	0.2500	5	3.2500	2.5000	135°	860-2500AG3250	◆
0.2570 (F)	0.3125	5 1/2	3.3410	2.5700	135°	860-2570AG3341	◆
0.2656 (17/64)	0.3125	5 1/2	3.4530	2.6560	135°	860-2656AG3453	◆
0.2813 (9/32)	0.3125	5 1/2	3.6560	2.8130	135°	860-2813AG3656	◆
0.3125 (5/16)	0.3125	6	4.0630	3.1250	135°	860-3125AG4063	◆
0.3320 (Q)	0.3750	6 1/2	4.3160	3.3200	135°	860-3320AG4316	◆
0.3438 (11/32)	0.3750	6 1/2	4.4690	3.4380	135°	860-3438AG4469	◆
0.3750 (3/8)	0.3750	7	4.8750	3.7500	135°	860-3750AG4875	◆
0.4219 (27/64)	0.4375	7 1/2	5.4840	4.2190	135°	860-4219AG5484	◆
0.4375 (7/16)	0.4375	7 1/2	5.6880	4.3750	135°	860-4375AG5688	◆
0.4531 (29/64)	0.5000	8	5.8910	4.5310	135°	860-4531AG5891	◆
0.5000 (1/2)	0.5000	8 1/2	6.5000	5.0000	135°	860-5000AG6500	◆

*L2 dimensions refers to the length of cut (10 x ØDc).

Match with Pilot Drills [Series 160](#) [Page 30](#)

Cutting Diameter Tolerance

Cutting Dia. (ØDc)	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"

Shank Tolerance

Shank Dia. (ØDs)	0.1250" - 0.2500"	0.3125" - 0.3750"	0.4375" - 0.5000"
Tolerance + / -	+0.00000"/-0.00032"	+0.00000"/-0.00035"	+0.00000"/-0.00043"

SERIES 860 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

Symbol Descriptions [Page 7](#)