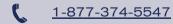
### **Drill With Confidence**

A Comprehensive Guide To Selecting the Right Drill Bit



Formation	Rock		Bit Matrix Series										
Hardness	Stratum	Abrasiveness	2#	4#	6#	7#	8#	9#	10#	11#	12#	13#	14#
Soft	Clay, Shale, Very Soft Sandstone, Peat, Argillaceous Rock, VolcanicRock, Tuff, etc.	High	<b>6</b>	<b>6</b>	<b>6</b>	6							
		Medium		G	G	G							
		Low											
Medium Hard	Limestone, Rhyolite, Andesite, Marble, Hard Sandstone, Limonite, Muscovite, Schist, etc.	High	6	5	6	6	6	<b>6</b>					
		Medium				6	6	6	6				
		Low					6	\$	6	6			
Hard	Basalt, Gneiss, Granodiorite, Hornstone, Pegmatite, Diabase, etc.	High						S	<b>6</b>	S	5		
		Medium							6	G	S		
		Low							<b>6</b>	6	G	\$	
Super Hard	Hard Granite, Breccia, Quartzite, Hard Slate, Rhyolite, etc.	High	\$	6	\$				\$	\$	\$	\$	
		Medium				6	6			<b>6</b>	6	6	<b>6</b>
		Low									6	\$	6

#### **Contact Us Today**



Sales@drillwithapex.com

www.DrillWithApex.com

#### How Can We Help?

Don't waste your money drilling with products run and supplied by a "bit salesman". DRILL WITH APEX to balance your drilling objectives with your economic reality. From our fast and durable core bits to drilling fluids, we'll ensure you get the productive and profitable hole TD you need.

# **Drill With Confidence**

### A Comprehensive Guide To Selecting the Right Drill Bit



Shape of Diamond Bit Face		Characteristics and Adaptability				
	Semicircle	Suitable for hard rock. Increasing the amount of diamond on the bit face, the drilling efficiency is high				
	Circular Arc	Suitable for medium-hard rock. The diamond on the bit face is well distributed and can adapt to a little broken and loose formations.				
	Flat	For impregnated diamond bits. Suitable for all kinds of hardness and abrasive strata.				
	Bottom Discharge	Suitable for sedimentary rocks, metamorphic rocks and other strata with more powdered ore. High coring rate can be achieved by avoiding excessive erosion of core				
٦	Stepped	Suitable for medium-hard rock, broken rock, broken and complete staggered rock. Hole unloading can be prevented				
1	Coned	Suitable for soft to medium-hard rock formations. Faster drilling speed and higher strength.				
П	Serrated	Suitable for hard dense rock formations. The drilling efficiency is high.				

# Impregnated Core Drill Bit and Reaming Shell

	Drill	Reaming Shell			
Model	O.D. (mm)	I.D. (mm)	O.D. (mm)		
BTW	59.56	42.1	59.95		
NTW	75.31	56.1	75.7		
HTW	95.57	71.1	96.09		
AQ	47.63	26.97	48.01		
BQ	59.56	36.4	59.95		
BQ3	59.56	33.53	59.95		
NQ	75.31	47.63	75.7		
NQ3	75.31	45.08	75.7		
NQ77	77.01	45.08	77.4		
HQ	95.57	63.5	96.09		
HQ3	95.57	61.11	96.09		
HQ97	97.28	63.5	97.8		
HQTT	97.28	61.11	97.8		
HWL	97.3	61.11	97.8		
PQ	122.05	84.96	122.65		
PQ3	122.05	83.06	122.65		

The drilling efficiency is high.