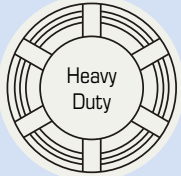


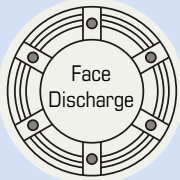

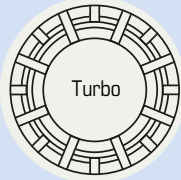




## Precision Matrix & Crown Design Chart

SOFT ROCK		HARD ROCK DESCRIPTION									
Any Abrasion	< ABRASION >	Extreme	Abrasive	Some	Nil	Nil					
Any Fracturing	< FRACTURING >	Extreme	Fractured	Minor	Solid	Solid Core					
Hardness <MOHS 3	< HARDNESS >	Soft to Medium	Medium	Medium with hard bands	Hard to Very Hard	Extremely Hard					
<b>Surface Set or Polycrystalline Set VERY FAST CUTTING</b>  Long-life and abrasion resistant crown design. Good results with any matrix.	 <p>Heavy Duty</p>	 <p>1X to 3X</p>		 <p>4X to 5X</p>			For longest bit life, start with the lowest number in each application zone				
								Best core recovery on "Triple-Tube" designs, abrasion resistant. Can be used with any matrix	 <p>Face Discharge</p>	 <p>6X to 9X</p>	
								<b>Wireline bits</b> All popular corebarrel designs and Sizes: A, B, N, H, P  <b>Conventional bits</b> All CDA/DCDMA standard items IEW/IEW-S, IAW/IAW-S, AW34, LTK 46, JKT 48, LTK 56, BW44, A,B,N,H  <b>International metric T-series:</b> T(2), T-36, 46, 56, 66, 76, 86, 101  <b>International metric B-series:</b> B-36, 46, 56, 66, 76, 86, 101	Faster penetrating design in solid, hard rock. Works best with #8X and higher numbers	 <p>Turbo</p>	
											<p><b>Please ask about any size or style not listed.</b></p>



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