ROCK UCS AND BIT CODE



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ROCK	-	ROCK TYPE	Tungsten	Carbide	Insert T	ricone E	Bit Serie
PSI	Мра						
0	0	Claystone, soft mudstone					
4,000	28	Soft Shale	4 Series 4-1 to				
		Loose Sandstone, Coal	4-4				
8,000	55	Medium Shales, hard mudstone					
		Chalky Limestone					
12,000	83	soft Tuff, Soft Schist					
		Loose Sandstone		5			
16,000	110	Hard Shale, Slate		Series			
		Limestone (normal), Siltstone		5-1 to 5-4			
20,000	138	Peridotite, komatiite and other ultramafic rock		5-4			
		Hard limestone, Dolomite, marble				_	
24,000	166	Arkose (feldspar-rich sandstone)					
	100	Fresh sedimentary clastic rock					
28,000	193	Gabbro, Diabase	1				
	100	Syenite					
32,000	221	Amphibolite	1				
	221		1				
36,000	248	Basalt (fresh)	1				
	240	Solid Sandstones (quartz rich), siliceous siltstone	1		6		
40,000	276	Andesite, Andesite porphyry	1		Series 6-1 to		
	210				6-4		
44,000	303	Diorite, Diorite porphyry	1			7	
	303	Chert (mud-rich)	1			, Series	
48,000	331	Monzonite, Soft Granite, monzonite porphyry	1			7-1 to 7-4	
	001					/-4	
52,000	359	Quartzite (silts origin)					
	000	Gneiss (igneous rock origin)					
		Hornfels					
56,000	386	Rhyolite, Rhyolite porphyry					
		Granodiorite, granite porphyry					
60,000		Granite, Tonalite	1				
	414	high grade magnetite ore, very low silica	1				
	-11-1	Silicified basalt (not abrasive but strong)	1				
		Taconite	1				8 Serie
64,000	441	Hematite Ore (high-silica)	1				8-1 1
	441	siliceous clast-dominated volcanic tuff/clastic rock	1				8-4
68000	100	Hard and Abrasive Quartzite (pure quartz), thick quartz- dominated ore					
		Thick bedded and massive mangnese ore	1				
	469	Banded Iron Formation (high silica)	1				
		siliceous chert]				
High	er	Magnetite ore (high-silica), Extremely hard and abrasive basalt, Biwabik iron formation, Extremely hard and abrasive guartzite.					

The table was drafted by BD Product Specialist: Matt Starcevich