

Bit Selection Guide

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Formation & Rock Type Bit-Matrix	Chert, Jasperite, Glassy Quarts, Rhyolite, Fine Grain, Very Hard	Quartzite, Gneiss, Hard Diorite, Granite, Granite Skarns, Solid, Low Abrasion	Quartz, Pegmatite, Granite Skarns, Medium to Fine Grain	Basalt, Diorite, Diabase, Gabbro, Medium to Fine Grain solid to Fractured	Dolomite, Weathered Granite, Peridotite, Abrasive, Medium Grain	Conglomerates, Hard Shales, Limestone, Sandstone, Coarse, Abrasive	Shale, Soft Limestone, Sandstone, Coarse, Abrasive	Shale, Sandstone, Mudstone, Abrasive, Muddy
P1	Non-Abrasive							
B2	Low Abrasion		Non-Abrasive					
R3	Non-Abrasive		Low Abrasion	Medium Abrasion				
Y4	Medium Abrasion		Low Abrasion	Non-Abrasive				
G5	High Abrasion		Medium Abrasion	Low Abrasion				
O6	High Abrasion		Medium Abrasion	Low Abrasion				
W7	Medium Abrasion		Low Abrasion					
Geoset PCD					Low Abrasion			
Surface Set					30-40 SPC Multi-step crown		5-8 SPC Semi-round	
Rock Hardness	Hard → Soft							