

Bit Selection Chart

Rock description	Approximate hardness	TC BITS	SAWTOOTH DIAMOND	SURFACE SET Stones per Carat				IMPREGNATED Matrix									
				10 15	15 25	20 40	40 80	1	2	4	6	7	8	9	10		
Clay Soft Shale Chalk Soft Limestone Gypsum Volcanic Tuff	SOFT	100%	100%														
Sand Loose Sandstone Shale Marl Shale Med-Hard Limestone Salt Frozen Soil & Ice	SOFT OR MEDIUM MIXED	100%	100%	100%				100%	100%								
Soft Sandstone Sandy Shale Claystone Sandy Limestone Soft Schist	MEDIUM HARD NON-ABRASIVE	100%	100%	100%	100%			100%									
Med-Hard Sandstone Siltstone Alluvial deposits Calclitic Limestone Med-Hard Limestone Hard Shale	MEDIUM HARD ABRASIVE	100%	100%	100%	100%	100%		100%									
Hard Limestone Dolomitic Limestone Schist Serpentine	SLIGHTLY ABRASIVE	100%	100%	100%	100%	100%	100%										
Hard & Mica Schist Siliceous Limestone Dolomite Marble Peridotite Andesite Pegmatite Hematite Magnetite	HARD	100%	100%	100%	100%	100%	100%	100%	100%								
Metamorph. Schist Gneiss Granite Basalt Gabbro Rhyolite Diorite	VERY HARD	100%	100%	100%	100%	100%	100%	100%	100%	100%							
Conglomerate Taconite Abrasive Sandstone Pyritic Formations Banded Hematite	ULTRA HARD	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%



UK UNIT 9, SALCOMBE ROAD, MEADOW LANE INDUSTRIAL ESTATE, ALFRETON, DERBYSHIRE DE55 7RG, UK
 Tel: +44(0)1773 835323 Fax: +44(0)1773 835075 Email: sales@jks-boyles-ltd.co.uk www.jksboyles.co.uk

NEDERLAND LAURIERHOF 26, 4871 VP, ETEN-LEUR, THE NETHERLANDS
 Tel: +31 76 50 40 145 Fax: +31 76 50 40 151 Email: jksboyl@concepts.nl www.jksboyles.nl