

Robit DTH Bits

New Product Coding and Carbide Selection Guide



Robit

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New DTH Drill Bit Description

Example: DTHBIT165QL60 FF H1

DTH BIT	165	QL60		FF		H	1
Product Group	Head Diameter [mm]	Shank Type	Footvalve	Face Type	Other	Carbide Profile	Carbide Grade
DTH BIT	165	DHD3.5	TL=Tubeless	FF = Flat Face	RET=Retention	H = Hemispherical	1 = Majority of Applications
DTH HAMMER		TD40	Blank = Standard Footvalve	CC = Concave	GEN2 = 2 nd Generation	SB = Semi Ballistic	2 = Very Hard Ground
DTH PIPE		DHD340		CV = Convex		FB = Full Ballistic	3 = Underground Iron Ore
		QL50		DC = Drop Centre		C = Conical	4 = Very High Abrasive
		DHD350		XHF = Extra Hard Formation			5 = Polycrystalline Diamond
		QL60		HFDC = Hard Formation Drop Centre			
		DHD360		DRG = Double Gauge Row			
		QL80					
		DHD380					

Carbide Selection/Grade

1 = Majority of Applications	2 = Very Hard Ground	3 = Underground Iron Ore	4 = Very High Abrasive	5 = Polycrystalline Diamond
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Soft Ground e.g. Sandstone	Hard Ground e.g. Granite	Abrasive Ground e.g. Gabbro	Very Abrasive Ground e.g. Quartzite	Non-Abrasive Ground e.g. Limestone	Deep Well	Underground Iron Ore
1	1	1		1	1	
	2					
						3
		4	4			
			5		5	

Shanks & Face Designs



Flat Face - FF



Concave - CC



Convex - CV

Bit Diameter	DHD340(R)			DHD350(R)			DHD360(R)			DHD380		TD40			QL5(R)			QL6(R)			QL8(R)	
	FF	CC	CV	FF	CC	CV	FF	CC	CV	FF	CC	FF	CC	CV	FF	CC	CV	FF	CC	CV	FF	CC
110	1280698	1280699	1280857									1280875	1280879	1280882								
115	1280818	1280552	1280701*									2000988	2002333	2002334								
121	1280700	1280623	1280702*									1280877	1280881	1280884								
127	1280825	1066967	1280821*									2001798	2002335	2002336								
130	1280827	1280348	1280703*	1280673	1280675	1280683*						1280878	1280540	1280885								
134				1280674	1280676	1280684*																
140				1280773	1280775	1280776*									1280549	1280787	1280746*					
146				1280671	1280677	1280778*									1280640	1280558	1280519*					
149				1280672	1280678	1280685*									1280641	1280645	1280648*					
152				1280323	1280679	1280781*									1280642	1280835	1280649*	1280654	1280837	1280841		
156							1280688	1280691	1280848						1280643	1280646	1280650*	1280653	1280658	1280842		
159							1280689	1280692	1280849						1280644	1280647	1280651*	1280655	1280788	1280843		
165							1280680	1280681	1280850						1280645	1280648	1280652*	1280742	1280544	1280912		
171							1280690	1280693	1280851									1280556	1280839	1280844		
178																		1280656	1280840	1280845		
200										1280852	1280868							1280657	1280796	1280846		
203										1280756	1280869							1280565	1280874	1280847	1280797	1072556
216										1280853	1280870										1280567	1100744
222										1280854	1280871										1280666	1280800
229										1280855	1280872										1280798	1280763
254										1280856	1280873										1280799	1280866

* = Hemispherical Ballistic Carbides

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