







CTS/TITAN IBO® Hollow Bar Anchors

	drill bits Ø mm	hardened clay bit	cross cut drill bit	button drill bit	carbide cross cut drill bit	carbide button drill bit	carbide cross cut pilot drill bit
description		 for clay, soft soil and sand/gravel < 50 S.P.T.	 for mixed soil with obstacles > 50 S.P.T.	 for weathered soft rock and gravel hardness < 70 MPa	 for hard rock granite, dolomite, sandstone, hardness 70-150 MPa	 for very hard or high quartzite rock hardness > 70 MPa	 for directional stability of ± 2 % of the total length
left hand	TITAN 30/..	75 95	76 90	42 46 51 55 70	46	51	75
	with adaptor 40	110 150	115	70	70 90	70 90	90
	TITAN 40/..	110 150	90 115	70	70 90	70 90	90
with adaptor 52	175	130			115		
right hand	TITAN 52/..	130 175	115 130	--	115	115	--
	with adaptor 73	200	175		130	130	130
	TITAN 73/..	200	130 175	--	130	130	130
	with adaptor 103	220 280			175	175	
	TITAN 103/..	220 280	175	--	175	175	--
TITAN 127/..	220	200	--	--	200	--	

* Illustrations are subject to alterations



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Drill Bit Selection

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Drill Bit Selection

Indicative grout body diameters

anchor/ pile type	drill bit	diameter mm	rock mm	cohe- sive soil mm	sand and gravel-sand mm	medium and coarse gravel mm
TITAN 30/..	button drill bit	42	52			
TITAN 30/..	button drill bit	46	56			
TITAN 30/..	button drill bit	51	61			
TITAN 30/..	button drill bit	55	65			
TITAN 30/..	carbide cross cut drill bit	46	56			
TITAN 30/..	carbide button drill bit	51	61			
TITAN 30/..	carbide cross cut 2-step drill bit	75	85			
TITAN 30/..	cross cut drill bit	76		100	125	150
TITAN 30/..	cross cut drill bit	90		115	140	165
TITAN 30/..	hardened clay bit	75		100	125	150
TITAN 30/..	hardened clay bit	95		120	145	170
TITAN 30/..	piling cone	75		100		
TITAN 40/..	hardened clay bit	110		135	160	185
TITAN 40/..	hardened clay bit	150		175	200	225
TITAN 40/..	button drill bit	70	80			
TITAN 40/..	carbide button drill bit	70	80			
TITAN 40/..	carbide cross cut drill bit	70	80			
TITAN 40/..	carbide cross cut drill bit	90	100	115	140	165
TITAN 40/..	cross cut drill bit	90		115	140	165
TITAN 40/..	cross cut drill bit	115		140	165	190
TITAN 40/..	carbide cross cut 3-step drill bit	90	100			
TITAN 40/..	piling cone	90		115		
TITAN 52/..	cross cut drill bit	115		140	165	190
TITAN 52/..	cross cut drill bit	130		155	180	205
TITAN 52/..	hardened clay bit	130		155	180	205
TITAN 52/..	hardened clay bit	175		200	225	250
TITAN 52/..	carbide button drill bit	115	125			
TITAN 73/..	cross cut drill bit	130		155	180	205
TITAN 73/..	cross cut drill bit	175		200	225	250
TITAN 73/..	carbide cross cut drill bit	130	140	155	180	205
TITAN 73/..	hardened clay bit	200		225	250	275
TITAN 73/..	carbide button drill bit	130	140			
TITAN 73/..	carbide cross cut 3-step drill bit	130	140			
TITAN 103/..	hardened clay bit	220		245	270	295
TITAN 103/..	hardened clay bit	280		305	330	355
TITAN 103/..	cross cut drill bit	175		200	225	250
TITAN 103/..	carbide button drill bit	175	185			

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