



Symbol	Symbol Description	Units	Anchor Diameter [inch]									
			1/4	3/8	1/2	5/8	3/4	1				
HDB	Hollow Drill Bit	-	-	-	✓	✓	✓	✓	-	-		
DRS	Dust Removal Systems	-	✓	✓	✓	✓	✓	✓	-	-		
AT-System	SIW 6AT-A22 + SI AT-A22	-	-	✓	✓	✓	-	-	-	-		
	SIW 4AT-22 + SI-AT-22	-	-	✓	✓	✓	-	-	-	-		
	SIW 6AT-22 + SI-AT-22	-	-	-	✓	✓	✓	-	-	-		
d ₀	Drill Bit Diameter	[inch]	1/4	3/8	1/2	5/8	3/4	1				
h ₀ ^{***}	Minimum Hole Depth in Base Material	[inch]	2	2 3/8	2 5/8	4	3 7/8	4 3/4	4 1/2	5 3/4	5	6 3/4
h _{nom}	Nominal Embedment Depth	[inch]	1 3/4	2 3/8	2 1/4	3 3/8	3 1/2	4 3/8	4 1/4	5 3/8	4 5/8	6 3/8
h _{ef}	Effective Embedment Depth	[inch]	1 1/2	2	2	3 1/4	3 1/8	4	3 3/4	5	4	5 3/4
T _{inst, concrete}	Installation Torque Concrete	[ft-lb]	4	20	40	60	110	150				
T _{inst, grout filled CMU}	Installation Torque Grout-Filled CMU	[ft-lb]	4	15	25	65	120	-				
d _{fix}	Fixture Hole Diameter	[inch]	5/16	7/16	9/16	11/16	13/16	1 1/8				
WS	Wrench Size	[inch]	7/16	9/16	3/4	19/16	1 1/8	1 1/2				

Use only carbide-tipped masonry drill bits complying with ANSI B212.15.1994

** AT-System not applicable for grout-filled CMU and wood fastening applications. AT system not applicable to be used with HDG anchors.

*** For a non-hole cleaning installation (step 1a or 1b), make sure to drill deep enough to achieve h₀, taking into account the depth of debris remaining in the hole