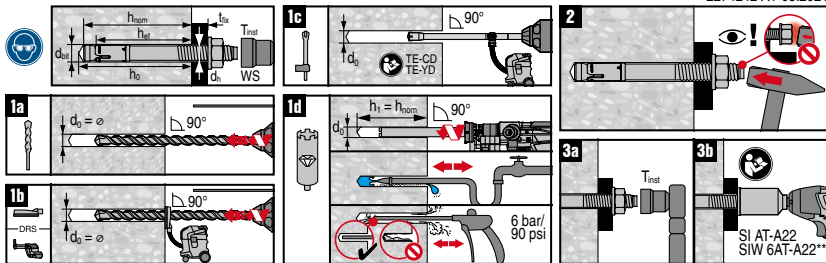




KB-TZ2  
KB-TZ2 SS304  
KB-TZ2 SS316

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Symbol	Setting Information	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	Adaptive Torque System**	–	–	✓	✓	✓	–	–	–								
	Diamond Core Bit	–	–	✓	✓	✓	✓	✓	✓								
$d_b$	Drill Bit Diameter	[inch]	1/4	3/8	1/2	5/8	3/4	1	–								
$h_{ef}$	Effective Embedment Depth	[inch]	1 1/2	1 1/2	2	2 1/2	2	2 1/2	3	4	3 1/4	4 1/4	4 1/4	5 1/4			
$h_{nom}$	Nominal Embedment Depth	[inch]	1 3/4	1 7/8	2 1/2	3	2 1/2	3	3 3/4	3 3/4	4 1/2	4	4 1/2	5 1/2	4 5/8	6 3/8	
$h_0$	Minimum Hole Depth in Base Material	[inch]	2	2	2 3/4	3 1/4	2 3/4	3 1/4	4 1/4	3 3/4	4 1/4	4 3/4	4 1/4	4 3/4	5 3/4	5	6 3/4
$T_{inst, concrete}$	Installation Torque	carbon steel	[ft-lb]	4	30	50	40	110	185	–	–	–	–	–	–	–	
	Concrete	SS304, SS316	[ft-lb]	6	30	40	60	125	185	–	–	–	–	–	–	–	
$T_{inst, grout filled CMU}$	Installation Torque	carbon steel	[ft-lb]	4	15	25	30	50	–	–	–	–	–	–	–	–	
	Grout-Filled CMU	SS304, SS316	[ft-lb]	6	15	25	35	50	–	–	–	–	–	–	–	–	
$d_h$	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	15/16	1 1/8	1 1/4	–	–	–	–	–	–	–	–	

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

\* For steps 1a or 1b, make sure to drill deep enough to achieve  $h_0$ , taking into account the depth of debris remaining in the hole.

\*\* AT-System not applicable for grout-filled CMU and wood fastening applications.

For UL Listing, the 3/8" anchor is rated up to 10 NPS at a minimum of 3-1/4" nominal embedment. UL Listing does not cover the 1/4" anchor size.