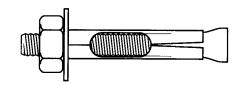
SLEEVE ANCHORS; HEX HEAD



AxL	Н	F	W				S	Requir	ed	Tensile	Shear
Anchor Diam x Length	Nut Height	Head Width	Wash	Drill Diamete r	Cleara nce Hole	Minimum Embedm ent	Thread Size of Stud	Torque to Set (Ft. Lbs.)		Strength (Psi.)	Strength (psi.)
	Ref	Ref	Ref					Carbo n Stool	Stainl ess Stack	4000 psi. Concrete Strength	
5/16 x 1 1/2	7/32	7/16	5/8	5/16	3/8	3/8	1/4-20	8		-	-
5/16 x 2 1/2	1/32	7/10	3/6	3/10	3/0	1 1/2	1/4-20	O		1750	2015
3/8 x 1 7/8											
3/8 x 3	17/64	1/2	13/16	3/8	7/16	1 5/8	5/16-18	16	11	2700	3250
3/8 x 4											
1/2 x 2 1/4						2 1/8					
1/2 x 3	21/64	9/16	1	2	9/16		3/8-16	28	20		
1/2 x 4	21/04	9/10	Į.	2	9/10	2 1/4	3/0-10	20	20	5015	6372
1/2 x 6											
5/8 x 2 1/4						2 1/8				-	-
5/8 x 3	7/16	3/4	1 3/8	5/8	11/16		1/2-13	60	42		
5/8 x 4 1/4	1/16	3/4	1 3/0	3/0	1 1/ 10	2 3/4	1/2-13	00	42	6345	10,255
5/8 x 6											
3/4 x21/2						21/8				-	_
3/4 x 4 3/4 x 5 3/4	35/64	15/16	1 3/4	3/4	15/16	3 3/8	5/8-11	90	60	9135	12,800

Description	A device for giving stability to one part of a structure by making it fast to another consisting of (A) a threaded stud with a conical end flared outward; (B) a hollow, cylindrical dilating sleeve assembled over the stud and positioned against the minor diameter of the cone; (C) a washer and hex nut assembled at the end opposite the cone.					
Applications/ Advantages	The anchor works by expanding against the material in which it is embedded. When the hex nut is tightened the conical end is pulled into the dilating sleeve pushing it outward 360° around the anchor into the masonry. They are designed to be used in solid or hollow masonry, including cinder block, brick, marble and concrete. One advantage of the sleeve anchor is that it can be removed after its been installed. Another is that the length of the sleeve induces less stress on the substrate than does a wedge anchor. It is well-suited for permanently anchoring heavy equipment to concrete.					
Material	Steel	Stainless				
	Threaded Bolt: AISI 1010 - 1018 cold rolled steel Sleeve: AISI 1008 cold rolled steel Nut: Shall be made from a low carbon steel which conforms to the following chemical composition requirements: Carbon- 0.58% maximum; Phosphorus- 0.13% maximum; Sulfur- 0.23%	Threaded Bolt: 18-8 stainless steel Sleeve: Type 304 stainless steel Nut: Type 304 stainless steel Washer: 18-8 stainless steel				
Anchor Spacing	Anchors should be installed with a minimum of 10 anchor diameters between each other and a minimum of 5 diameters from the edge.					
Tensile Strength	The suggested safe working load is one-fourth of the average proof test load shown in the above table.					
Shear Strength	The suggested safe working load is one-fourth of the average proof test load shown in the above table.					
Plating	Steel sleeve anchors are usually supplied plated zinc. Stainless sleeve anchors usually have no addit					