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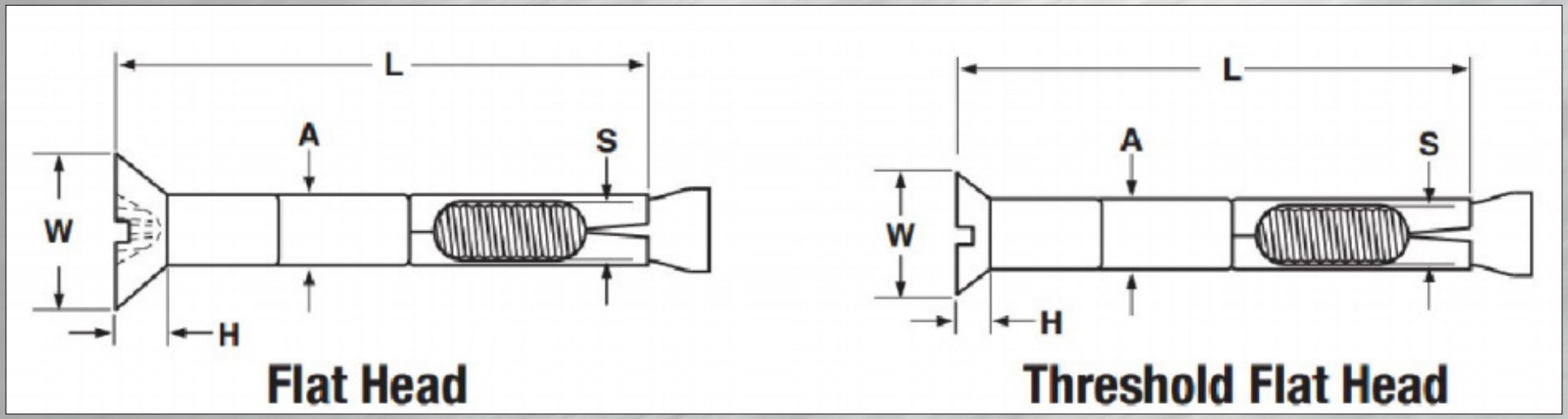
FLAT & THRESHOLD FLAT HEAD SLEEVE ANCHORS



SLEEVE ANCHOR, THRESHOLD FLAT HEAD									
A X L	H	W				S	Required Torque to Set (Ft. Lbs.)	Tensile Strength (PSI)	Shear Strength (PSI)
Anchor Diameter x Length	Nut Side Height	Head Width	Drill Diameter	Fixture Clearance Hole	Minimum Embedment	Thread Size of Stud	Carbon Steel	4000 PSI Concrete Strength	
	Ref.	Ref.							
1/4 x 2	5/64	23/64	1/4	5/16	1-1/8	10-24	4	1440	1630

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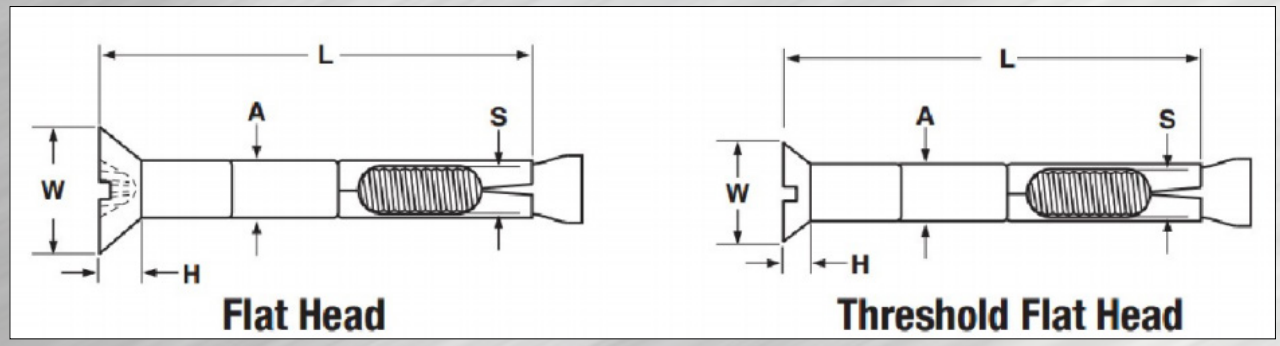

SLEEVE ANCHOR, THRESHOLD FLAT HEAD										
A X L	H	W				S	Required Torque to Set (Ft. Lbs.)		Tensile Strength (PSI)	Shear Strength (PSI)
Anchor Diameter x Length	Nut Side Height	Head Width	Drill Diameter	Fixture Clearance Hole	Minimum Embedment	Thread Size of Stud	Carbon Steel	Stainless Steel	4000 PSI Concrete Strength	
	Ref.	Ref.								
1/4 x 2	5/32	1/2	1/4	5/16	1-1/8	10-24	4	3	1440	1630
1/4 x 3										
1/4 x 4										
3/8 x 2-3/4	15/64	3/4	3/8	7/16	1-5/8	5/16-18	16	11	2700	3250
3/8 x 4										
3/8 x 5										
3/8 x 6										

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FLAT & THRESHOLD FLAT HEAD SLEEVE ANCHORS

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 motor diameter of the cone; (c) a countersunk flat head at the end of the opposite cone.

APPLICATION / ADVANTAGES: The anchor works by expanding against the material in which it is embedded. When the flat head is turned clockwise, 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 it's 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 anchoring windows and doorframes.

MATERIAL:

STEEL		STAINLESS STEEL	
Threaded Bolt:	AISI 1010 - 1018 Steel	***Threaded Bolt:***	18-8 Stainless Steel
Sleeve:	AISI 1010 - 1020 Steel	***Sleeve:***	Type 304 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.