

Section 1: Rod Stiffeners

FUNCTIONS AND FEATURES

Seismic Hanger Rod Stiffeners are designed to secure channel to hanger rod for vertical seismic bracing. In other words, they are used to prevent the buckling of the hanger rods under the compressive reaction loads during an earthquake. Buckling is very difficult to predict, and depends on many factors such as: hanger rod length, hanger rod size, the dead load carried by the hanger rod, the horizontal seismic forces applied to the pipe or duct, and the seismic restraint installation angle. Buckling occurs in long slender structural members under compressive load, and it occurs at loads far less than those required to yield the material in the structural member.

Rod stiffeners are required only on hanger and trapeze that have seismic bracing attached at or within 4" of the rod. A minimum of two rod stiffeners must be installed. Recommended torque is 8 ft.-lbs. or finger tight and one full turn with a wrench.

MATERIAL

Carbon Steel (ASTM A1011)

THREADS

Conforms to Unified Screw Thread(UNC) standard, ANSI B1.1, coarse series UNC Class 2

BOLT & SCREW

Conforms to SAE J429 GR 2 (exceeds ASTM A307). Proof Load 55KSI, Tensile Load 74 KSI

FINISH

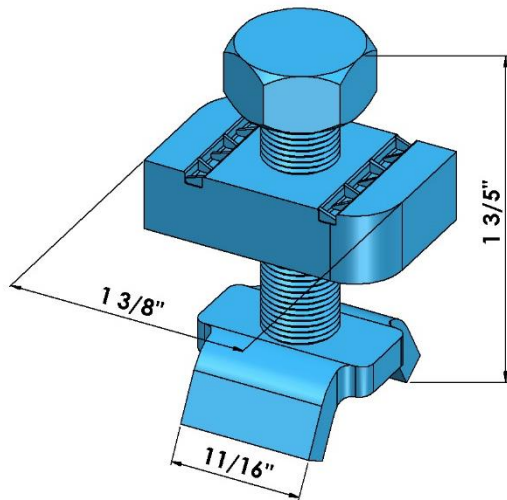
Zinc Electro-Galvanized (ASTM B633)

NOTE

Slight distortion of the channel may occur upon installation of rod stiffeners.

SEISMIC HANGER ROD STIFFENER

Part # | A-SC228



Specification Data

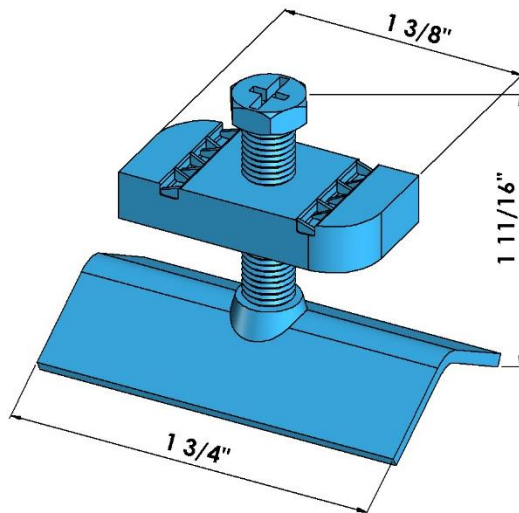
Rod Size Range (in.)	3/8 through 5/8
Approx. Wt. (lbs.)	0.15

Rod Stiffener Requirements

Rod Size (in.)	Max. Rod Length without Rod Stiffener (in.)	Max. Spacing between Rod Stiffeners (in.)
3/8	19	13
1/2	25	18
5/8	31	23
3/4	37	28
7/8	43	33
1	50	38
1 1/4	60	43

ROD STIFFENER

Part # | A-901

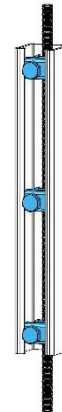
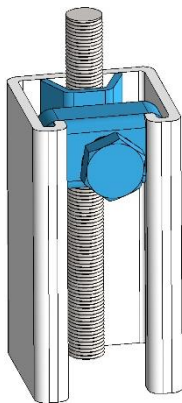


Specification Data

Rod Size Range (in.)	3/8 through 5/8
Approx. Wt. (lbs.)	0.12

Rod Stiffener Requirements

Rod Size (in.)	Max. Rod Length without Rod Stiffener (in.)	Max. Spacing between Rod Stiffeners (in.)
3/8	19	13
1/2	25	18
5/8	31	23
3/4	37	28
7/8	43	33
1	50	38
1 1/4	60	43



These specifications are for reference only. Aimco International Group Corp. reserves the right to make changes to the design without prior notice.