

MECHANICAL ANCHORS FOR THREAD ROD

590-44 series

Sioux Chief Sammys®

Item # Submitted _____
Job Name _____
Location _____
Engineer _____
Contractor _____
PO# _____ TAG _____

SPECIFICATION

Sioux Chief Sammy Mechanical Anchors shall be used for suspended applications where 3/8" threaded rod is used on wood, steel or concrete, in either vertical or horizontal applications.

Sioux Chief Sammy XPress® anchors are specifically designed for use in metal deck or Z-purlin applications. Swivel models are designed for extreme or variant roof pitches.

INSTALLATION

These products should only be installed using original Sammy® nut drivers and XPress® Nut drivers. Using any other tool voids warranty. When the appropriate nut driver is used, the driver spins free on the screw after installation is complete and eliminates the expected wrist snap, reduces over-torque and prevents screw failure. Complete installation instructions are provided in each box of product. Contact factory for more information.

MATERIALS

Due to variations of hardness of certain metals, it should be noted that self-drilling screws for steel will experience different drill speeds. Drill speeds of 500-1500 RPM should be used.



MODEL NUMBERS AND LOAD RATINGS

Item No.	Description	Application	Ultimate Pullout (lbs)	Testing		Approvals
				UL Test Load (lbs)	FM Test Load (lbs)	
590-4411	GST20 Vertical	Wood	1760 (fir)	850	1475	UL & FM
590-4411-3	GST30 Vertical	Wood	2060 (fir)	1500	1475	UL & FM
590-4421	SWG20 Horizontal	Wood	1725 (fir)	1050		UL
590-4421-3	SWG30 Horizontal	Wood	1884 (fir)			
590-4412	CST20 Vertical	Concrete	2400*	1475		FM
590-4422	SWC20 Horizontal	Concrete	2450*	1475		FM
590-4413	DST20 Vertical	Steel	1500 (3/16")	1500	1475	
590-4413-R	DSTR516 Vertical with nut	Steel	2200 (20 ga.)	1500	1475	UL & FM
590-4423	SWDR516 Horizontal with nut	Steel	2480 (20 ga)	1500	1475	UL & FM
590-4433	XP20 X-Press	Metal Deck	1146 (22 ga)	850 (2½" pipe) 185 (luminaire) 250 (luminaire) 283 (conduit & cable)	940 (2" pipe) 1475 (4" pipe)	UL & FM
590-4434	XP35 X-Press	Purlin	1783 (16 ga)	1250 (3½" pipe) 85 (luminaire) 250 (luminaire) 416 (conduit & cable)	940 (2" pipe) 1475 (4" pipe)	UL & FM
590-4435	SXP20 Swivel X-Press	Metal Deck	1061 (22 ga vertical) 829 (45° off vertical)	750 (2" pipe) 170 vert. (luminaire) 80 @ 45° off vert. (luminaire) 283 vert. (conduit & cable) 233 @ 45° off vert. (conduit & cable)	635 (2" pipe)	UL & FM
590-4436	SXP35 Swivel X-Press	Purlin	1675 (16 ga vertical) 1558 (89° off vertical)	1250 (3½" pipe) 250 vert. (luminaire) 80 @ 90° (luminaire) 500 vert. (conduit & cable) 333 @ 89° (conduit & cable)	635 (2" pipe)	UL & FM

* Tested in 3000 PSI concrete