

MECHANICAL ANCHORS FOR THREADED 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. 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.

MATERIALS

Screws are made from zinc and galvanized steel



MAXIMUM LOAD RATINGS

| Item No. | Description | Application | Ultimate Pullout (lbs) | UL Test Load (lbs) | FM Test Load (lbs) | Listings & Approvals |
|------------|-----------------------------|-------------|--|---|---------------------------------|----------------------|
| 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 | 446 (20ga.) 970 (16ga.) | – | – | – |
| 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) | 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) | 1500 (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

Made in USA