

Threaded Products and Hardware

Channel Nuts

Superstrut® channel nuts are manufactured from mild steel and are case hardened.

Design Data

Superstrut® self-aligning channel nuts are designed to provide resistance to pull out and resistance to side slip in excess of the full strength of the channels with which they are used. The extreme resistance to side slip results from the unique design of the alternate teeth, spaced and designed to develop a wedging action that increases with pressure or load.

Load Ratings for ¼", ⅜" and ½" Strut Nuts used in Superstrut®

CHANNEL NUT SIZES (IN.)	SLIP TEST RATING	PULL TEST RATING
¼	300	500
⅜	750	1,000
½	1,200	2,000

If connections will be subjected to dynamic or seismic loading conditions, contact the factory for design assistance.

1. All ratings have safety factor of 3 applied.
2. Load ratings are for Static Applications.

UC-100 Universal Cone Nut

Eliminates the inventory and installation hassles of conventional spring nuts. Fits all 1½" channel, regardless of depth, with a simple twist of your thumb. Pliable nylon cone secures the nut in place through the entire range of construction site temperatures.

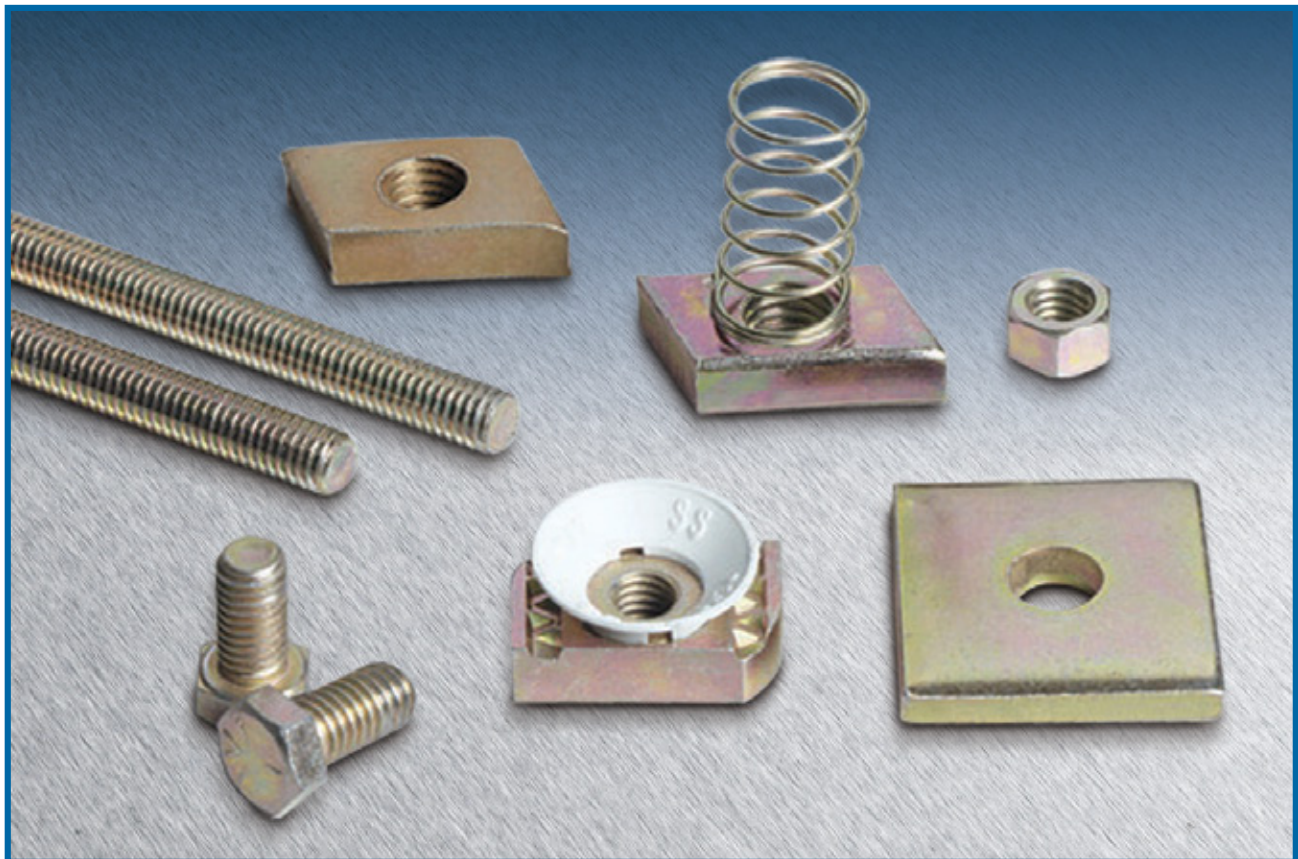
Screw Threads

THREAD SIZE (IN.)	¼	⅜	½
THREADS PER INCH	20	16	13
DESIGN TORQUE (FT.-LBS.)	6	19	50

Standard Finish – GoldGalv®, unless otherwise stated.

All threaded products are American Standard thread, free fit class 2. GoldGalv® hardware finish is standard for all Superstrut® products. This is a multi-process finish of electro-plated zinc, followed by gold-colored trivalent chromium to give excellent corrosion resistance and a superior paint base. See **pages B-106–B-107** for a complete description of the GoldGalv® hardware finish.

Note: Standard Spring and Springless Nuts are supplied with a silver electro-galvanized (EG) finish. These items are not visible in a gold system and are universal with other systems' finishes and colorations.



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A-100 Regular Spring Nut

Sizes: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" & 1"

Nut is square over 1/2" size.
For all "A" and "C" series channel and inserts.



E-145 Standard Hex Nut

Sizes: 1/4", 3/8", 1/2", 5/8", 3/4", 7/8" & 1"

GoldGalv® Finish.

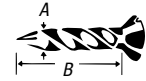


E-151-D Wood Screw Drive

Size A: 1/4"

Size B: 2"

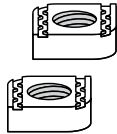
Max. Rec. Load: 100 lbs.



AB-100 Springless Nut

Sizes: 1/4", 5/16", 3/8", 1/2", 5/8" & 3/4"

Nut is square over 1/2" size.
For use with all channels.
Silver Electroplated Finish.



E-146 Standard Square Nut

Sizes: 1/4", 5/16", 3/8", 1/2" & 5/8"

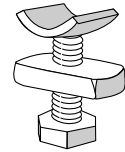
GoldGalv® Finish.



ES-142 Seismic Stiffener Nut

Size: ES-142-1/2 x 1 1/2"

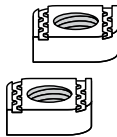
Bolt Dia.: 1/2"



AC-100 Springless Nut

Sizes: 1/4", 3/8", 1/2", 5/8" & 3/4"

Nut is square over 1/2" size.
For all "A", "C", "E" and "H" series channel and inserts.



E-147 Flat Steel Washer

Sizes: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" & 7/8"

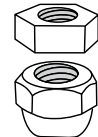
GoldGalv® Finish.



ES-145 Swivel Nut and Jam Nut Combinations

Sizes: 3/8" & 1/2"

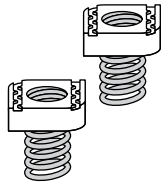
GoldGalv® Finish.



B-100 Short Spring Nut

Sizes: 1/4", 5/16", 3/8" & 1/2"

Nut is square over 1/2" size.
For all "B" series channel and inserts.



E-148 Lock Washer

Sizes: 1/4", 3/8", 1/2" & 5/8"

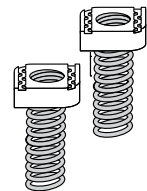
GoldGalv® Finish.



H-100 Long Spring Nut

Sizes: 3/8", 1/2" & 5/8"

Nut is square over 1/2" size.
For all "E" and "H" series channel and inserts.



CM-100 Nylon Cone Nut

Sizes: 1/4", 3/8" & 1/2"

For all 1 5/8" channel.

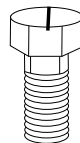
*Will not fit "B" series channel.

GoldGalv® Finish



E-149 Slotted Hex Indented Head Machine Screw

Sizes: 1/4" x 3/4", 1/4" x 1", 5/16" x 1 1/4" & 3/8" x 1 1/4"



UC-100 Universal Nylon Cone Nut

Sizes: 1/4", 3/8" & 1/2"

For all 1 5/8" & 1 1/2" channels.
May be used with ALL strut depths. Can be used for CM-100, A-100, B-100 & AB-100 Series.

GoldGalv® Finish.



E-142 Hex Head Cap Screw

Sizes: 1/4" x 1", 1/4" x 1 1/2", 3/8" x 1", 3/8" x 1 1/2", 1/2" x 1 5/16" & 1/2" x 1 1/2"

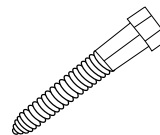
See price sheet for additional sizes.



E-150-S Lag Bolt Screw

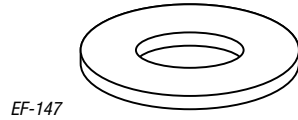
Size: 3/8" & 1/2"

Drill Size: 1/4" & 1 1/32"



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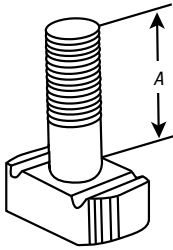
Fender Washer



EF-147

CAT. NO.	SIZE (IN.)	DIA. (IN.)	HOLE STD. (IN.)	STD. CTN.
EF147 1/4	1/4	1 1/4	3/16	100
EF-147-3/8	3/8	1 1/2	7/16	100
EF-147-1/2	1/2	2	3/8	100

Springless Stud Nut

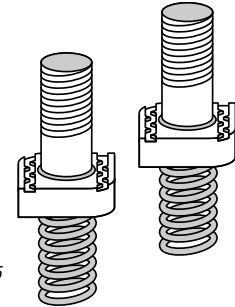


A-177 to A-180

CAT. NO.	BOLT DIA. (IN.)	LENGTH A (IN.)	STD. CTN.
A177 1/4 1	1/4	1	50
A-177-1/4 X 1-1/4	1/4	1 1/4	250
A-179-3/8 X 1	3/8	1	250
A-179-3/8 X 1-1/4	3/8	1 1/4	50
A-180-1/2 X 1*	1/2	1	250
A-180-1/2 X 1-1/4*	1/2	1 1/4	250

* Cannot be used with "B" Series channel.

Regular Spring Stud Nut



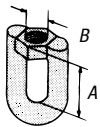
A-182 to A-185

CAT. NO.	BOLT DIA. (IN.)	LENGTH A (IN.)	STD. CTN.
A182 1/4 1	1/4	1	250
A-182-1/4 X 1-1/4	1/4	1 1/4	250
A-184-3/8 X 1	3/8	1	50
A-184-3/8 X 1-1/4	3/8	1 1/4	50
A-185-1/2 X 1	1/2	1	50
A-185-1/2 X 1-1/4	1/2	1 1/4	50

For all "A" and "C" series channels.

Standard Finish — GoldGalv®, unless otherwise stated.

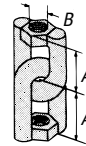
Swivel Eye



E-120

CAT. NO.	A (IN.)	B (IN.)	DESIGN LOAD LBS.	STD. CTN.
E120 3/8	1 3/8	3/8	1,000	25
E120 1/2	1 1/2	1/2	1,800	25

Swivel Joint

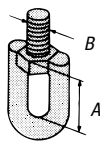


E-122

CAT. NO.	A (IN.)	B (IN.)	DESIGN LOAD LBS.	STD. CTN.
E122 3/8	1 3/8	3/8	1,000	25
E-122-1/2	1 1/2	1/2	1,800	10

Standard Finish — GoldGalv®, unless otherwise stated.

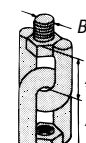
Swivel Eye with Stud



E-130

CAT. NO.	A (IN.)	B (IN.)	DESIGN LOAD LBS.	STD. CTN.
E130 3/8	1 3/8	3/8	1,000	25
E-130-1/2	1 1/2	1/2	1,800	25

Swivel Joint with Stud



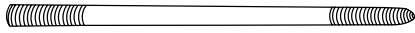
E-131

CAT. NO.	A (IN.)	B (IN.)	DESIGN LOAD LBS.	STD. CTN.
E131 3/8	1 3/8	3/8	1,000	25
E-131-1/2	1 1/2	1/2	1,800	10

Standard Finish — GoldGalv®, unless otherwise stated.

Threaded Products and Hardware

E-151 — Coach Screw Rod



- Black available upon request
- Machine-threaded opposite end, carbon steel
- Order by Cat. No., rod size and rod length

CAT. NO.	ROD SIZE (IN.)	STANDARD ROD LENGTHS	STD. CTN.
E-151-3/8	3/8"	4, 6, 8, 10, 12	100
E-151-1/2	1/2"	4, 6, 8, 10	100

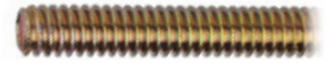
H104-EG Hanger Rod, Continuous Thread — SilverGalv®



CAT. NO.	SIZE	WT./LBS. PER 100 PCS.
H104 1/4X6-EG		73
H104 1/4X10-EG	1/4"-20	124
H104 1/4X12-EG		148
H104 3/8X6-EG		172
H104 3/8X10-EG	3/8"-16	293
H104 3/8X12-EG		348
H104 1/2X6-EG		313
H104 1/2X10-EG	1/2"-13	530
H104 1/2X12-EG		648
H104 5/8X6-EG		510
H104 5/8X10-EG	5/8"-11	850
H104 5/8X12-EG		1,020

Suffix indicates rod size and length.

H104 Hanger Rod, Continuous Thread — GoldGalv®



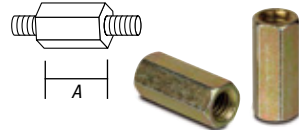
H-104 Series Rod



CAT. NO.	SIZE	WT./LBS. PER 100 PCS.
H104 1/4X6		73
H104 1/4X10	1/4"-20	124
H104 1/4X12		148
H104 3/8X6		172
H104 3/8X10	3/8"-16	293
H104 3/8X12		348
H104 1/2X6		313
H104 1/2X10	1/2"-13	530
H104 1/2X12		648
H104 5/8X6		510
H104 5/8X10	5/8"-11	850
H104 5/8X12		1,020

Suffix indicates rod size and length.

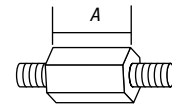
Standard Rod Coupling



CAT. NO.	ROD SIZE (IN.)	A (IN.)	STD. CTN.
H119-1/4	1/4"	7/8"	50
H119-5/16	5/16"	7/8"	50
H119-3/8	3/8"	1 1/8"	50
H119-1/2	1/2"	1 1/4"	50
H119-5/8	5/8"	2 1/8"	50
H119-3/4	3/4"	2 1/4"	50
H119-7/8	7/8"	2 1/2"	50
H119-1	1"	2 3/4"	50

Standard Finish — GoldGalv®, unless otherwise stated.

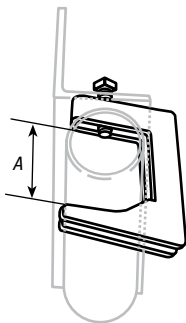
Reducing Rod Coupling



CAT. NO.	ROD SIZE (IN.)	A (IN.)	STD. CTN.
H119-1/4X3/8	1/4"-3/8"	1 1/2"	50
H119-3/8X1/2	3/8"-1/2"	1 1/4"	50
H119-1/2X5/8	1/2"-5/8"	1 1/4"	50
H119-5/8X3/4	5/8"-3/4"	1 1/2"	50
H119-3/4X7/8	3/4"-7/8"	1 3/4"	50

Standard Finish — GoldGalv®, unless otherwise stated.

U-571, U-572 Conduit Clamp



U-571, U-572

CAT. NO.	CONDUIT SIZE (IN.)	MAX. FLANGE THICKNESS (IN.)	DIM. A (IN.)	STD. CTN.
U-571	1/2"	1	1 3/4"	25
U-571	3/4"	3/4"	1 3/4"	25
U-571	1"	1/2"	1 3/4"	25
U-572	3/4"	1 1/2"	2 1/2"	25
U-572	1"	1 1/4"	2 1/2"	25
U-572	1 1/4"	1	2 1/2"	25
U-572	1 1/2"	3/4"	2 1/2"	25

Standard Finish — GoldGalv® brand.

For attaching 1/2" thru 1 1/2" conduit to beam, channel, angle or column. Secures conduit to the support parallel or at right angles to it.

3/16" set screw, 12 ga. material.