

## Threaded Products and Hardware

### Channel Nuts

Superstrut® channel nuts are manufactured from Grade 2 mild steel and are case hardened.

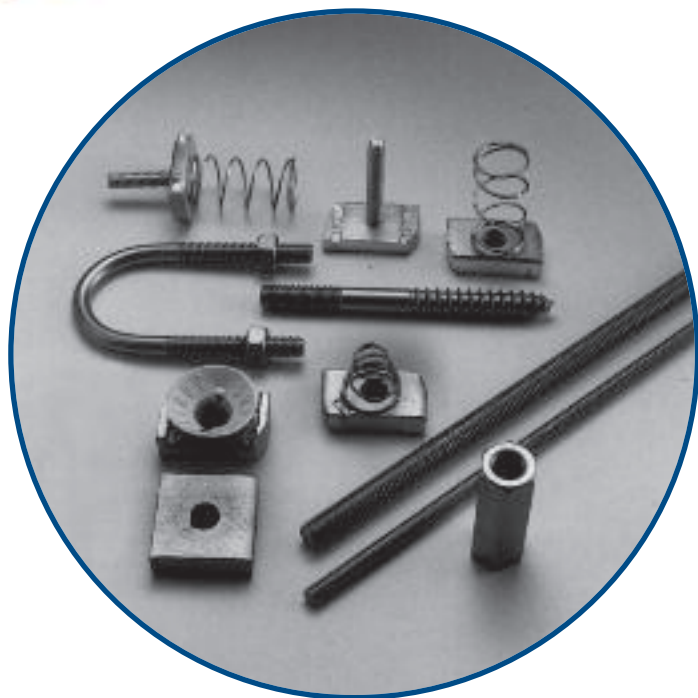
### Design Data

Superstrut® self aligning channel nuts are designed to provide resistance to pullout 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.

### Screw Threads

All threaded products are American Standard thread, free fit class 2.

Thread Size	1/4	5/16	3/8	1/2	5/8	3/4	7/8	1
Threads per inch	20	18	16	13	11	10	9	8
Design Torque (ft.-lb.)	6	11	19	50	100	125	185	275



### Spring Nut Selector Chart

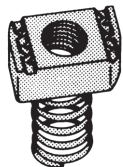
SPRING NUT	CHANNEL SERIES					
	A - AR	B - BR	C	D	E	H
A100-1/4EGC	■		■			
A100-5/16EGC	■		■			
A100-3/8EGC	■		■			
A100-1/2EGC	■		■			
A100-3/4	■		■			
B100-1/4EGC		■		■		
B100-5/16EGC		■		■		
B100-3/8EGC		■		■		
B100-1/2EGC		■		■		
H100-3/8EGC					■	■
H100-1/2EGC					■	■
CM100-1/4	■	■	■	■	■	■
CM100-3/8	■	■	■	■	■	■
CM100-1/2	■	■	■	■	■	■
CM100-1/2B		■				
UC100-1/4	■	■	■	■	■	■
UC100-3/8	■	■	■	■	■	■
UC100-1/2	■	■	■	■	■	■

### Finish and special materials

Standard finish for all hardware is Electrogalvanized (EGC) or GoldGalv®. Stainless Steel Type 316 is also available. Contact your Regional Sales Office for availability and minimum quantities.

## Threaded Products and Hardware

### A100 Regular Spring Nut\*



Available in Stainless Steel 316. Nut is square over 1/2 in. size. For all A and C Series channel and inserts.

Cat. No.	Size (in.)	Wt./C lb.
A100-1/4EGC	1/4	8
A100-5/16EGC	5/16	9
A100-3/8EGC	3/8	10
A100-1/2EGC	1/2	12
A100-5/8EGC	5/8	19
A100-3/4	3/4	19
A100-7/8	7/8	18

STD. PACK 100

### B100 Short Spring Nut\*



Cat. No.	Size (in.)	Wt./C lb.
B100-1/4EGC	1/4	7
B100-5/16EGC	5/16	8
B100-3/8EGC	3/8	9
B100-1/2EGC	1/2	9

STD. PACK 100

For all B and D Series channel and inserts.

### H100 Long Spring Nut\*

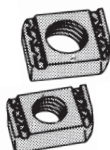


Cat. No.	Size (in.)	Wt./C lb.
H100-3/8EGC	3/8	10
H100-1/2EGC	1/2	14

STD. PACK 100

For all E and H Series channel and inserts.

### AB100 Springless Nut 1/4 in. thick



For use with all channels. Nut is square over 1/2 in. size.

Cat. No.	Size (in.)	Wt./C lb.
AB100-1/4EGC	1/4	7
AB100-5/16EGC	5/16	8
AB100-3/8EGC	3/8	9
AB100-1/2EGC	1/2	9
AB100-5/8EGC	5/8	10
AB100-3/4EGC	3/4	10

STD. PACK 100

### AC100 Springless Nut Heavy duty 3/8 in. thick

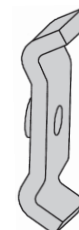


Cat. No.	Size (in.)	Wt./C lb.
AC100-3/8EGC	3/8	9
AC100-1/2EGC	1/2	11
AC100-5/8EGC	5/8	18
AC100-3/4EGC	3/4	18

STD. PACK 100

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

### 813EG Springless Nut Light Duty

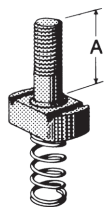


Cat. No.	Size (in.)	Wt./C lb.
813EG	1/4	5

STD. PACK 100

For use with all channels.

### A182 to A185 Regular Spring Stud Nut\*

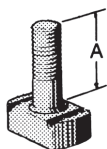


For all A and C Series channels.

Cat. No.	Bolt Dia (in.)	Length A (in.)	Wt./C lb.
A182-1/4x100EG	1/4	1	10
A182-1/4x125EG	1/4	1-1/4	15
A184-3/8x100EG	3/8	1	10
A184-3/8x125EG	3/8	1-1/4	15
A185-1/2x100EG	1/2	1	10
A185-1/2x125EG	1/2	1-1/4	15

STD. PACK 100

### A177 to A179 Springless Stud Nut

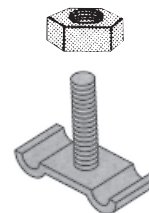


Cat. No.	Bolt Dia (in.)	Length A (in.)	Wt./C lb.
A177-1/4x100EG	1/4	1	8
A177-1/4x125EG	1/4	1-1/4	10
A179-3/8x100EG	3/8	1	13
A179-3/8x125EG	3/8	1-1/4	13.5

STD. PACK 100

For use with all channels.

### 812 Stud Nut



Cat. No.	For Channel	Wt./C lb.
812-1EG	1/4 x 1	6

STD. PACK 100

For attaching fixture to channel slot down or to channel slot up knockouts. Specify length. Hex nut included.

### E145 Standard Hex Nut



Cat. No.	Size (in.)	Wt./C lb.
E145-1/4EGC	1/4	.72
E145-3/8EGC	3/8	1.60
E145-1/2EGC	1/2	2.78
E145-5/8EGC	5/8	6.92
E145-3/4EGC	3/4	12.70
E145-7/8EGC	7/8	19.00
E145-1EGC	1	28.00

STD. PACK 100

### UCN Universal Nylon Cone Nut

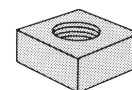


Cat. No.	Size (in.)	Wt./C lb.
UCN-1/4	1/4	8
UCN-3/8	3/8	10
UCN-1/2	1/2	12

STD. PACK 100

GoldGalv® only  
For all 1-5/8 in. and 1-1/2 in. channels.  
May be used with ALL Strut Depths.  
Can be used for A100 Series, B100 Series and AB100 Series.

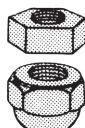
### AB102 Unhardened Square Nut



Cat. No.	Size (in.)	Wt./C lb.
AB102-1/4	1/4	13
AB102-3/8	3/8	14
AB102-1/2	1/2	14
AB102-5/8	5/8	12
AB102-3/4	3/4	11
AB102-7/8	7/8	10

STD. PACK 100

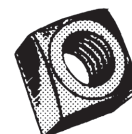
### ES145 Swivel Nut and Jam Nut Combinations



Cat. No.	Size (in.)	Wt./C lb.
ES145-3/8	3/8	5.5
ES145-1/2	1/2	6.0

STD. PACK 100

### E146 Standard Square Nut



Cat. No.	Size (in.)	Wt./C lb.
E146-1/4EGC	1/4	.93
E146-5/16EGC	5/16	1.60
E146-3/8EGC	3/8	2.65
E146-1/2EGC	1/2	5.83
E146-5/8EGC	5/8	10.80

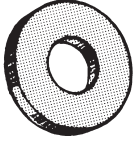
STD. PACK 100

\*Supplied with a plastic sleeve over the spring portion to prevent tangling inside the carton.

## Threaded Products and Hardware

### E147 Flat Steel Washer

STD. PACK: 100

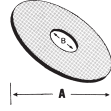


Cat. No.	Size (in.)	Wt./C lb.
E147-1/4EG	1/4	0.67
E147-5/16EG	5/16	1.11
E147-3/8EG	3/8	1.49
E147-1/2EG	1/2	3.85
E147-5/8EG	5/8	7.69
E147-3/4EG	3/4	9.89
E147-7/8EG	7/8	15.40

Available in Stainless Steel.

### EF147 Fender Washer

STD. PACK: 100



Cat. No.	Size (in.)	A (in.)	B (in.)	Wt./C lb.
EF147-1/4EGC	1/4	1-1/4	5/16	3.1
EF147-3/8EGC	3/8	1-1/2	7/16	2.9
EF147-1/2EGC	1/2	2	9/16	5.0

Available in Stainless Steel.

### E148 Lock Washer

STD. PACK: 100

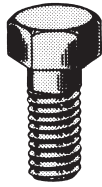


Cat. No.	Size (in.)	Wt./C lb.
E148-1/4EG	1/4	0.26
E148-3/8EG	3/8	0.50
E148-1/2EG	1/2	1.09
E148-5/8EG	5/8	2.57

Available in Stainless Steel.

### E142 Hex Head Cap Screw

STD. PACK: 100



Cat. No.	Size (in.)	Wt./C lb.
E142-1/4x100EG	1/4x1	1.74
E142-1/4x150EG	1/4x1-1/2	2.43
E142-3/8x100EG	3/8x1	4.17
E142-3/8x150EG	3/8x1-1/2	5.64
E142-1/2x100EG	1/2x1	8.94
E142-1/2x150EG	1/2x1-1/2	10.00
E142-1/2x200EG	1/2x2	11.19
E142-1/2x225EG	1/2x2-1/4	11.90
E142-1/2x250EG	1/2x2-1/2	12.52
E142-1/2x275EG	1/2x2-3/4	13.22

Available in Stainless Steel.

### E150S Lag Bolt

STD. PACK: 50



Cat. No.	Drill Size (in.)	Size (in.)	Wt./C lb.
E150S-3/8x1-1/2EG	1/4	3/8x1-1/2	5
E150S-3/8x2EG	1/4	3/8x2	7
E150S-3/8x2-1/2EG	1/4	3/8x2-1/2	8
E150S-3/8x3EG	1/4	3/8x3	9
E150S-1/2x1-1/2EG	11/32	1/2x1-1/2	12
E150S-1/2x2EG	11/32	1/2x2	13
E150S-1/2x2-1/2EG	11/32	1/2x2-1/2	15
E150S-1/2x3EG	11/32	1/2x3	18

### E151 Coach Screw Rod



Cat. No.	Rod Size (in.)	Std Rod Lengths (in.)	Wt./C lb.
E151-3/8x4EG	3/8	4	9
E151-3/8x6EG	3/8	6	14
E151-3/8x8EG	3/8	8	22
E151-3/8x10EG	3/8	10	29
E151-3/8x12EG	3/8	12	35
E151-1/2x4EG	1/2	4	17
E151-1/2x6EG	1/2	6	22
E151-1/2x8EG	1/2	8	40
E151-1/2x10EG	1/2	10	51

Machine threaded opposite end, carbon steel.

### H104 Hanger Rod Continuous Threaded

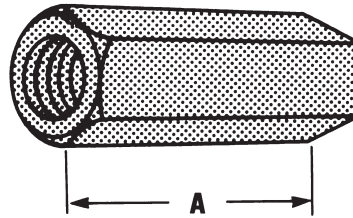


STD. PACK: 3

Cat. No.	Thread Size (in.)	Wt./lb. 100 ft.	Design Load lb.
H104-1/4x10EGC	1/4	12.5	150
H104-3/8x10EGC	3/8	29	610
H104-1/2x10EGC	1/2	53.5	1130
H104-5/8x10EGC	5/8	85	1810
H104-3/4x10EGC	3/4	123	2710
H104-7/8x10EG	7/8	130	3770
H104-1x10EG	1	214	4960

- Black available upon request
- Sold per foot; standard length, 10 ft.
- Also available in stainless steel (316) standard length 6 ft.
- National coarse thread

### H119 Rod Couplings



Rod Size	A (in.)	Wt./C lb.
1/4	7/8	1.90
5/16	7/8	3.75
3/8	1-1/8	3.50
1/2	1-1/4	5.50
5/8	2-1/8	18.00
3/4	2-1/4	28.00
7/8	2-1/2	55.00
1	2-1/4	56.00

Standard Rod Coupling  
**Example:** H119-1/2EG

Order by product number, rod size, and finish.  
 Available in Stainless Steel.

Rod Size	A (in.)	Wt./C lb.
1/4 to 3/8	1-1/2	3.50
3/8 to 1/2	1-1/4	6.70
1/2 to 5/8	1-1/4	14.00
5/8 to 3/4	1-1/2	21.00
3/4 to 7/8	1-3/4	40.00

Rod Reducer Coupling  
**Example:** H119-1/4x3/8EG

## Threaded Products and Hardware

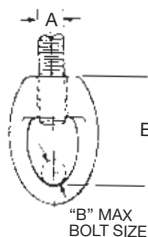
### H122 Trapnut™ Strut Fastener

Cat. No.	Size (in.)	Design Load lb.	Std. Ctn.
H 122 1/4	1/4	150	50
H 122 3/8	3/8	590	
H 122 1/2	1/2	1080	
H 122 1/4 EG	1/4	150	
H 122 3/8 EG	3/8	590	
H 122 1/2 EG	1/2	1080	
H 122 1/4 SS6	1/4	150	

**Finishes:** Electrogalvanized (EG), GoldGalv®, Stainless Steel Type 316 (SS6)



### M117 Eye Socket



Rod Size A (in.)	Pipe Size (in.)	B (in.)	E (in.)	Wt./C lb.	Design Load, lb.
1/4	3/8	1/4	1-11/32	5	230
3/8	1/2 - 2	1/4	1-11/32	7	610
1/2	2-1/2 - 3-1/2	1/4	1-17/32	13	1130
5/8	4 - 5	3/8	1-13/16	19	1810
3/4	6	1/2	2-5/32	31	2400
7/8	8	1/2	2-11/32	44	2800

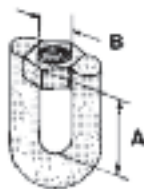
**Standard Finishes - Bare (B), Electrogalvanized (EG)**

Malleable iron. For attaching hanger rod to various types of hangers and beam clamps.

Order by product number, rod size, and finish. **Example: M117-1/4B**

Complies with Specification MSS SP69, Type 16.

### E120 Swivel Joint



Cat. No.	Size (in.)	A (in.)	B (in.)	Wt./C lb.	Design Load, lb.
E120-3/8	3/8	1-3/8	3/8	15	1000
E120-1/2	1/2	1-1/2	1/2	25	1800

### E120A Weldless Eye Nut

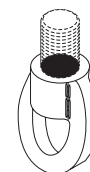
**Standard Finish - Bare (B)**

Drop Forged Steel.

For use on high temperature piping installations.

Order by product number and rod size.

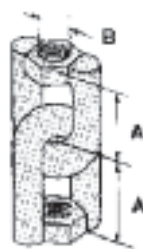
**Example: E120A-3/8B**



Rod Size T	A (in.)	B (in.)	C (in.)	D (in.)	E (in.)	F (in.)	Wt./C lb.	Design Load, lb.
3/8	7/8	5/8	1-1/4	2	2-1/2	3/8	20	2700
1/2	7/8	5/8	1-1/4	2	2-1/2	3/8	22	2700
5/8	1-3/8	3/4	1-1/2	2-1/2	3	1/2	60	5000
3/4	1-3/8	3/4	1-1/2	2-1/2	3	1/2	56	5000
7/8	1-1/2	1-5/8	1-5/16	3-5/8	4-1/2	3/4	174	10000
1	1-1/2	1-5/8	1-5/16	3-5/8	4-1/2	3/4	168	10000

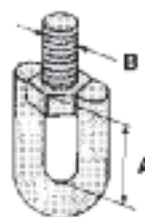


### E122 Swivel Joint



Cat. No.	Size (in.)	A (in.)	B (in.)	Wt./C lb.	Design Load, lb.
E122-3/8	3/8	1-3/8	3/8	28	1000
E122-1/2	1/2	1-1/2	1/2	48	1800

### E130 Swivel Joint



Cat. No.	Size (in.)	A (in.)	B (in.)	Wt./C lb.	Design Load, lb.
E130-3/8	3/8	1-3/8	3/8	23	1000
E130-1/2	1/2	1-1/2	1/2	28	1800

### E131 Swivel Joint



Cat. No.	Size (in.)	A (in.)	B (in.)	Wt./C lb.	Design Load, lb.
E131-3/8	3/8	1-3/8	3/8	25	1000
E131-1/2	1/2	1-1/2	1/2	52	1800

## Threaded Products and Hardware

### C781 Square Washer

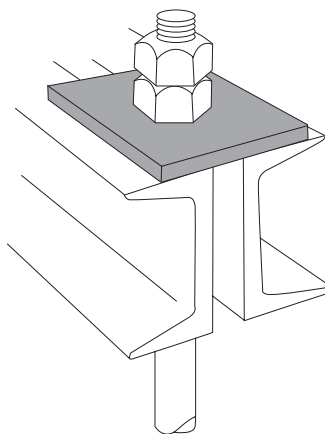
STD.  
PACK:  
50

Cat. No.	Rod Size (in.)	Hole Size (in.)	Overall Dimensions (in.)	Wt./C lb.
C781-3/8*	3/8	7/16	3 x 3 x 3/16	27
C781-1/2*	1/2	9/16	3 x 3 x 3/16	27
C781-5/8*	5/8	11/16	3 x 3 x 1/4	47
C781-3/4*	3/4	13/16	3 x 3 x 1/4	42
C781-7/8*	7/8	15/16	4 x 4 x 3/8	85
C781-1*	1	1-1/8	4 x 4 x 3/8	160

#### \*Finishes

- B
- HDG
- EG
- SS6

Used for beam applications.  
For channel applications use AB241.



### H115 Standard U-Bolt

Pipe Size (in.)	A (in.)	B (in.)	C (in.)	D (in.)	E (in.)	Wt./C lb.	Design Load, lb.
1/2	15/16	1-3/4	1-1/2	1/4	2-3/4	13	1500
3/4	1-1/8	1-3/4	1-5/8	1/4	3-1/16	15	2000
1	1-3/8	1-7/8	1-5/8	1/4	3-5/16	16	2500
1-1/4	1-23/32	1-3/4	1-15/32	3/8	3-1/2	17	2500
1-1/2	2	1-3/4	1-7/16	3/8	3-3/4	18	2500
2	2-7/16	2-1/16	1-7/8	3/8	4-11/16	32	3300
2-1/2	2-15/16	2-1/16	1-13/16	1/2	5-1/8	34	4000
3	3-9/16	2	1-3/4	1/2	5-11/16	38	4000
3-1/2	4-3/32	2	1-23/32	1/2	6-3/16	40	4000
4	4-19/32	2-1/4	1-31/32	1/2	6-15/16	46	4000
5	5-5/8	3	2-7/32	1/2	8-5/16	101	4000
6	6-3/4	3-3/4	2-13/16	5/8	10-1/8	197	4000
8	8-3/4	3-3/4	2-13/16	5/8	12-1/8	233	4000
10	10-7/8	4	3	3/4	14-9/16	491	5400
12	12-7/8	4-1/4	3-1/4	7/8	16-15/16	773	7500

Standard Finishes - Electrogalvanized (EG), GoldGalv®, Stainless Steel or Bare (B)

Example: H115-1/2EG

Sizes through 4 in. furnished with one hex nut per leg.

Sizes 5 in. and above furnished with two hex nuts per leg.

Order by Cat. No., pipe size, finish.

Complies with Specification MSS SP69, Type 24.

