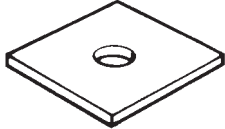


B-11 Flat Washer

- Made from carbon steel.
- Maximum space spanned by washer should not exceed bolt diameter plus 1/4".

To Order:
Specify: (1) quantity, (2) type, (3) diameter of bolt to be used, (4) finish.

Example:
200, B-11 Heavy Flat Washers, 1" bolt dia., plain finish.



B-11 Flat Washer

Type	Bolt Diameter	Safe Working Load	Sizes
B-11 Standard	1/2"	2,250 lbs.	3" x 4" x 1/4"
B-11 Heavy	1/2"	3,375 lbs.	4" x 5" x 1/4"
B-11 Standard	3/4"	3,375 lbs.	4" x 5" x 1/4"
B-11 Heavy	3/4"	9,000 lbs.	5" x 5" x 3/8"
B-11 Standard	1"	9,000 lbs.	5" x 5" x 7/16"
B-11 Heavy	1"	18,750 lbs.	7" x 7" x 3/4"
B-11 Standard	1-1/4"	12,000 lbs.	5" x 5" x 7/16"
B-11 Heavy	1-1/4"	18,750 lbs.	7" x 7" x 3/4"
B-11 Standard	1-1/2"	18,750 lbs.	5" x 5" x 3/4"
B-11 Heavy	1-1/2"	18,750 lbs.	7" x 7" x 3/4"

Safe Working Load provides a factor of safety of approximately 5 to 1.

Coil Rod

- Available in low tensile (P-49) or high tensile (B-12) strengths.
- May be cut with carborundum blades without damaging the threads.
- Do not use cutting torch to cut coil rod to length.
- Used with B-13 or B-25 Coil Nuts for making special coil bolts.
- B-12 requires two B-13 or one B-25 Coil Nut to develop safe working loads.
- B-12 standard length is 12'-0" and P-49 standard length is 10'-0".
- Available in any length up to 20'-0" on special order.



Coil Rod

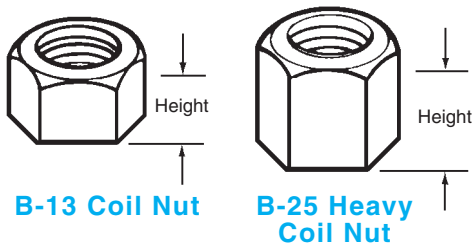
To Order:
Specify: (1) quantity, (2) name, (3) diameter, (4) length.

Example:
200, B-12 Coil Rod, 1" dia. x 12'-0" long.

Diameter	B-12 Safe Working Load		P-49 Safe Working Load	
	Tension	Shear	Tension	Shear
1/2"	3,600 lbs.	2,400 lbs.	2,700 lbs.	1,800 lbs.
3/4"	7,200 lbs.	4,800 lbs.	3,600 lbs.	2,400 lbs.
1"	15,000 lbs.	10,000 lbs.	7,200 lbs.	4,800 lbs.
1-1/4"	22,500 lbs.	15,000 lbs.	–	–
1-1/2"	27,000 lbs.	18,000 lbs.	–	–

Safe Working Load provides a factor of safety of approximately 5 to 1.

B-13 Coil Nut and B-25 Heavy Coil Nut



B-13 Coil Nut

B-25 Heavy Coil Nut

To Order:
Specify: (1) quantity, (2) name, (3) diameter.

Example:
200 B-13 Coil Nuts, 1" diameter.

Type	Diameter	Approx. Height	Safe Working Load Tension	
			Using One B-13 Nut	Using Two B-13 Nuts or One B-25 Heavy Nut
B-13	1/2"	7/16"	1,800 lbs.	3,600 lbs.
B-25	1/2"	1-3/16"	–	3,600 lbs.
B-13	3/4"	5/8"	3,600 lbs.	7,200 lbs.
B-25	3/4"	1-3/16"	–	7,200 lbs.
B-13	1"	1"	7,200 lbs.	15,000 lbs.
B-25	1"	2"	–	15,000 lbs.
B-13	1-1/4"	1-1/4"	10,800 lbs.	22,500 lbs.
B-13	1-1/2"	1-1/2"	16,200 lbs.	27,000 lbs.

Safe Working Load provides a factor of safety of approximately 5 to 1.