

Threaded Accessories



Threaded accessories offered in this section are designed to reduce installation time. A wide range of types and sizes are available for various applications.

Materials

For maximum loading design, Carbon Steel, Forged Steel, and Malleable Iron are used in the manufacturing of threaded accessories. Stainless Steel and other materials are available.

Finishes

The standard finishes for threaded accessories are plain steel (oil coated) sometimes referred to as black and Electro-Galvanized Zinc (ASTM B633 SC1). Hot-Dip Galvanized After Fabrication (ASTM A153) and other special coatings are available upon request.

Approvals (as noted)

Items in this section are Underwriters Laboratories Listed and comply with Federal Specification WW-H-171E & A-A-1192A or Manufacturers Standardization Society ANSI/MSS SP-69 SP-58.

B3222 - Eye Socket

Size Range: 1/4"-20 thru 3/4"-10 rod

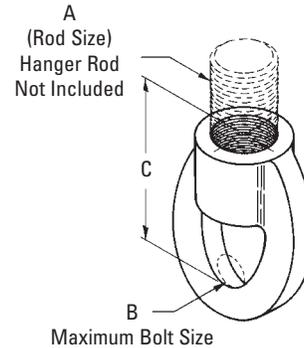
Material: Malleable Iron

Function: To provide an adjustable threaded connection for hanger rods.

Approvals: Underwriters Laboratories Listed 3/8"-16 thru 3/4"-10. Conforms to Federal Specification WW-H-171E & A-A-1192A, Type 16 and Manufacturers Standardization Society ANSI/MSS SP-69 & SP-58, Type 16.

Finish: Plain. Contact customer service for alternative finishes and materials.

Order By: Part number and finish



| Part No. | Rod Size | Max. Bolt Size B | | C | | Design Load | | Approx. Wt./100 | |
|-----------|----------|------------------|--------|--------|--------|-------------|--------|-----------------|--------|
| | A | in. | (mm) | in. | (mm) | Lbs. | (kN) | Lbs. | (kg) |
| B3222-1/4 | 1/4"-20 | 1/4" | (6.3) | 1 1/8" | (28.6) | 400 | (1.78) | 6 | (2.7) |
| B3222-3/8 | 3/8"-16 | 1/4" | (6.3) | 1 3/8" | (34.9) | 730 | (3.25) | 9 | (4.1) |
| B3222-1/2 | 1/2"-13 | 1/4" | (6.3) | 1 1/2" | (38.1) | 1350 | (6.00) | 16 | (7.2) |
| B3222-5/8 | 5/8"-11 | 3/8" | (9.5) | 1 3/4" | (44.4) | 1580 | (7.03) | 21 | (9.5) |
| B3222-3/4 | 3/4"-10 | 1/2" | (12.7) | 2" | (50.8) | 1900 | (8.45) | 38 | (17.2) |

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Threaded Accessories

B3200 - Weldless Eye Nut

Size Range: 3/8"-16 thru 2 1/2"-4 1/2 machine thread.

Material: Forged Steel

Quality Assurance: Conforms to the requirements of NCA 3800.

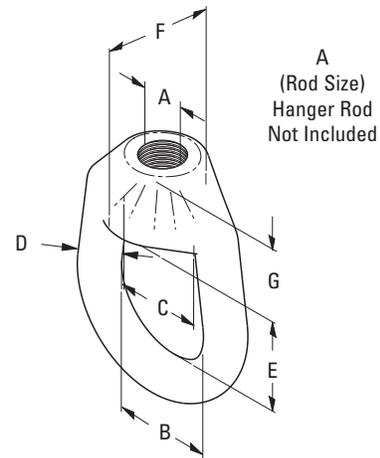
Threads: Tapped UNC Class 2B. Right hand threads are standard. Left hand threads supplied upon request.

Function: Used on piping installations where high strength and swivel action are required. Left hand tap is also available.

Approvals: Conforms to Federal Specification WW-H-171E & A-A-1192A, Type 17 and Manufacturers Standardization Society ANSI/MSS SP-69 & SP-58, Type 17.

Finish: Plain. Contact customer service for alternative finishes and materials.

Order By: Part number and finish.



| Part No. | Rod Size | B | | C | | D | | E | | F | | G | |
|-------------|--------------|--------|---------|----------|---------|--------|--------|--------|---------|----------|---------|---------|--------|
| | A | in. | (mm) | in. | (mm) | in. | (mm) | in. | (mm) | in. | (mm) | in. | (mm) |
| B3200-3/8 | 3/8"-16 | 1 1/2" | (38.1) | 1 3/16" | (30.2) | 1/2" | (12.7) | 2" | (50.8) | 1 3/8" | (34.9) | 1 1/16" | (17.5) |
| B3200-1/2 | 1/2"-13 | 1 1/2" | (38.1) | 1 3/16" | (30.2) | 1/2" | (12.7) | 2" | (50.8) | 1 3/8" | (34.9) | 1 1/16" | (17.5) |
| B3200-5/8 | 5/8"-11 | 1 1/2" | (38.1) | 1 3/16" | (30.2) | 1/2" | (12.7) | 2" | (50.8) | 1 3/8" | (34.9) | 1 1/16" | (17.5) |
| B3200-3/4 | 3/4"-10 | 1 1/2" | (38.1) | 1 3/16" | (30.2) | 1/2" | (12.7) | 2" | (50.8) | 1 3/8" | (34.9) | 1 1/16" | (17.5) |
| B3200-7/8 | 7/8"-9 | 2" | (50.8) | 1 11/16" | (42.9) | 3/4" | (19.0) | 2 5/8" | (66.7) | 1 15/16" | (49.2) | 1" | (25.4) |
| B3200-1 | 1"-8 | 2" | (50.8) | 1 11/16" | (42.9) | 3/4" | (19.0) | 2 5/8" | (66.7) | 1 15/16" | (49.2) | 1" | (25.4) |
| B3200-1 1/8 | 1 1/8"-7 | 2 1/2" | (63.5) | 1 13/16" | (46.0) | 1" | (25.4) | 3 3/8" | (85.7) | 2 3/8" | (60.3) | 1 1/4" | (31.7) |
| B3200-1 1/4 | 1 1/4"-7 | 2 1/2" | (63.5) | 1 13/16" | (46.0) | 1" | (25.4) | 3 3/8" | (85.7) | 2 3/8" | (60.3) | 1 1/4" | (31.7) |
| B3200-1 1/2 | 1 1/2"-6 | 2 1/2" | (63.5) | 1 13/16" | (46.0) | 1" | (25.4) | 3 3/8" | (85.7) | 2 3/8" | (60.3) | 1 1/4" | (31.7) |
| B3200-1 3/4 | 1 3/4"-5 | 4" | (101.6) | 4" | (101.6) | 1 1/2" | (38.1) | 6 1/4" | (158.7) | 4" | (101.6) | 2 1/4" | (57.1) |
| B3200-2 | 2"-4 1/2 | 4" | (101.6) | 4" | (101.6) | 1 1/2" | (38.1) | 6 1/4" | (158.7) | 4" | (101.6) | 2 1/4" | (57.1) |
| B3200-2 1/4 | 2 1/4"-4 1/2 | 4" | (101.6) | 4" | (101.6) | 1 1/2" | (38.1) | 6 1/4" | (158.7) | 4" | (101.6) | 2 1/4" | (57.1) |
| B3200-2 1/2 | 2 1/2"-4 1/2 | 4" | (101.6) | 4" | (101.6) | 1 1/2" | (38.1) | 6 1/4" | (158.7) | 4" | (101.6) | 2 1/4" | (57.1) |

| Part No. | Design Load | | | | Approx. Wt./100 | |
|-------------|---------------|----------|---------------|----------|-----------------|---------|
| | 650°F (343°C) | | 750°F (399°C) | | | |
| | Lbs. | (kN) | Lbs. | (kN) | Lbs. | (kg) |
| B3200-3/8 | 610 | (2.71) | 540 | (2.40) | 63 | (28.6) |
| B3200-1/2 | 1130 | (5.02) | 1010 | (4.49) | 60 | (27.2) |
| B3200-5/8 | 1810 | (8.05) | 1610 | (7.16) | 59 | (26.7) |
| B3200-3/4 | 2710 | (12.05) | 2420 | (10.76) | 56 | (25.4) |
| B3200-7/8 | 3770 | (16.77) | 3360 | (14.94) | 170 | (77.1) |
| B3200-1 | 4950 | (22.02) | 4420 | (19.66) | 174 | (78.9) |
| B3200-1 1/8 | 6230 | (27.71) | 5560 | (24.73) | 373 | (169.2) |
| B3200-1 1/4 | 8000 | (35.58) | 7140 | (31.76) | 364 | (165.1) |
| B3200-1 1/2 | 11630 | (51.73) | 10370 | (46.12) | 345 | (156.5) |
| B3200-1 3/4 | 15700 | (69.83) | 14000 | (62.27) | 1657 | (751.6) |
| B3200-2 | 20700 | (92.07) | 18460 | (82.11) | 1614 | (732.1) |
| B3200-2 1/4 | 27200 | (120.98) | 24260 | (107.91) | 1562 | (708.5) |
| B3200-2 1/2 | 33500 | (149.01) | 29880 | (132.90) | 1506 | (683.1) |



All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

B501 - Light Weight U-Bolt with 2 Hex Nuts

Size Range: 1/2" (15mm) thru 8" (200mm) pipe

Material: Carbon Steel

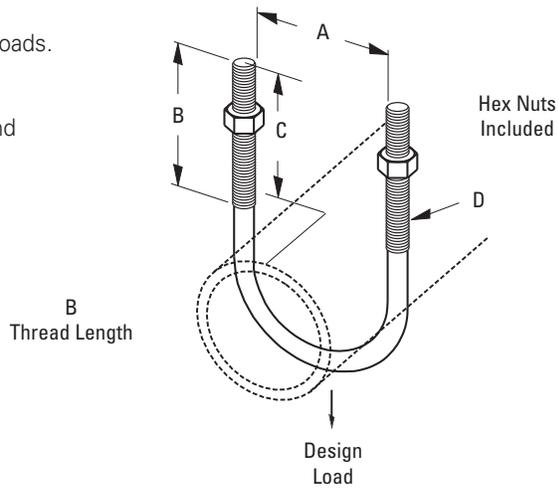
Function: Recommended for supporting or anchoring light pipe loads.

Maximum Temperature: 650°F (343°C)

Finish: Plain. Contact customer service for alternative finishes and materials.

Order By: Part number and finish.

Note: When furnished in Hot-Dip Galvanized finish, oversize tapped hex nuts must be used.



| Part No. | A | | B | | C | | D | Design Load | | Approx. Wt./100 | |
|-------------------|----------|---------|---------|--------|----------|--------|----------|-------------|---------|-----------------|--------|
| | in. | (mm) | in. | (mm) | in. | (mm) | | Lbs. | (kN) | Lbs. | (kg) |
| B501-1/2 | 15/16" | (23.8) | 13/4" | (44.4) | 11/2" | (38.1) | 5/16"-18 | 600 | (2.67) | 12 | (5.4) |
| B501-3/4 | 1 1/8" | (28.6) | 13/4" | (44.4) | 1 5/8" | (41.3) | 5/16"-18 | 600 | (2.67) | 13 | (5.9) |
| B501-1 | 1 3/8" | (29.9) | 1 7/8" | (47.6) | 1 5/8" | (41.3) | 5/16"-18 | 900 | (4.00) | 14 | (6.3) |
| B501-1 1/4 | 1 23/32" | (43.6) | 1 3/4" | (44.4) | 1 15/32" | (37.3) | 5/16"-18 | 900 | (4.00) | 15 | (6.8) |
| B501-1 1/2 | 2" | (50.8) | 1 3/4" | (44.4) | 1 7/16" | (36.5) | 5/16"-18 | 900 | (4.00) | 16 | (7.2) |
| B501-2 | 2 7/16" | (61.9) | 2 1/16" | (52.4) | 1 7/8" | (47.6) | 3/8"-16 | 1200 | (5.34) | 27 | (12.2) |
| B501-2 1/2 | 2 15/16" | (74.6) | 2 1/16" | (52.4) | 1 13/16" | (46.0) | 3/8"-16 | 1200 | (5.34) | 32 | (14.5) |
| B501-3 | 3 9/16" | (90.5) | 2" | (50.8) | 1 3/4" | (44.4) | 3/8"-16 | 1800 | (8.00) | 36 | (16.3) |
| B501-3 1/2 | 4 3/32" | (94.6) | 2" | (50.8) | 1 23/32" | (43.6) | 3/8"-16 | 1800 | (8.00) | 38 | (17.2) |
| B501-4 | 4 19/32" | (116.7) | 2 1/4" | (57.1) | 1 21/32" | (50.0) | 3/8"-16 | 1800 | (8.00) | 42 | (19.0) |
| B501-5 | 5 21/32" | (143.6) | 2 1/4" | (57.1) | 2" | (50.8) | 1/2"-13 | 2400 | (10.70) | 92 | (41.7) |
| B501-6 | 6 3/4" | (171.4) | 2 5/8" | (66.7) | 2 3/8" | (60.3) | 5/8"-11 | 2400 | (10.70) | 176 | (79.8) |
| B501-8 | 8 3/4" | (222.2) | 2 5/8" | (66.7) | 2 3/8" | (60.3) | 5/8"-11 | 2400 | (10.70) | 191 | (86.6) |

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Threaded Accessories

B3188 - Standard U-Bolt with 4 Hex Nuts B3188C - Standard Plastic Coated U-Bolt

Size Range: 1/2" (15mm) thru 30" (900mm) pipe

Material: Steel

Function: Recommended for support, anchor or guide of pipe.

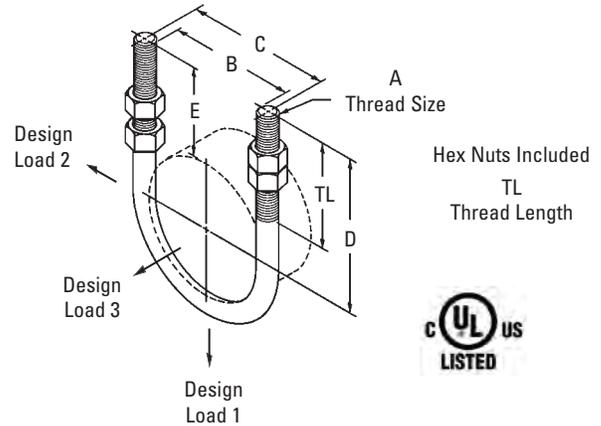
Approvals: Underwriters Laboratories Listed 3/4" (20mm) thru 12" (300mm). Conforms to Federal Specification WW-H-171E & A-A-1192A, Type 24 and Manufacturers Standardization Society ANSI/MSS SP-69 & SP-58, Type 24.

Maximum Temperature: 750°F (399°C)

Finish: Plain. Contact customer service for alternative finishes and materials.

Order By: Part number and finish. U-bolt can be furnished with longer tangents "D" or with longer threads "TL". Consult factory.

Note: When furnished in Hot-Dip Galvanized finish, oversize tapped hex nuts must be used. B3188NS - Non-standard (NS) U-bolts are available upon request. Specify dimensions other than standard. B3188DI - For ductile iron pipe.



| Part No. | Pipe Size | | Thread Size | Thread Length TL | | B | |
|-------------|-----------|-------|-------------|------------------|---------|----------|---------|
| | in. | (mm) | | in. | (mm) | in. | (mm) |
| B3188-1/2 | 1/2" | (15) | 1/4"-20 | 2 1/8" | (54.0) | 15/16" | (23.8) |
| B3188-3/4 | 3/4" | (20) | 1/4"-20 | 2 1/8" | (54.0) | 1 1/8" | (28.6) |
| B3188-1 | 1" | (25) | 1/4"-20 | 2 1/8" | (54.0) | 1 3/8" | (34.9) |
| B3188-1 1/4 | 1 1/4" | (32) | 3/8"-16 | 2 1/8" | (54.0) | 1 11/16" | (42.9) |
| B3188-1 1/2 | 1 1/2" | (40) | 3/8"-16 | 2 1/2" | (63.5) | 2" | (50.8) |
| B3188-2 | 2" | (50) | 3/8"-16 | 2 1/2" | (63.5) | 2 7/16" | (61.9) |
| B3188-2 1/2 | 2 1/2" | (65) | 1/2"-13 | 3" | (76.2) | 2 15/16" | (74.6) |
| B3188-3 | 3" | (80) | 1/2"-13 | 3" | (76.2) | 3 9/16" | (90.5) |
| B3188-3 1/2 | 3 1/2" | (90) | 1/2"-13 | 3" | (76.2) | 4 1/16" | (103.2) |
| B3188-4 | 4" | (100) | 1/2"-13 | 3" | (76.2) | 4 9/16" | (115.9) |
| B3188-5 | 5" | (125) | 1/2"-13 | 3" | (76.2) | 5 21/32" | (143.6) |
| B3188-6 | 6" | (150) | 5/8"-11 | 3 3/4" | (95.2) | 6 3/4" | (171.4) |
| B3188-8 | 8" | (200) | 5/8"-11 | 3 3/4" | (95.2) | 8 3/4" | (222.2) |
| B3188-10 | 10" | (250) | 3/4"-10 | 4" | (101.6) | 10 7/8" | (276.2) |
| B3188-12 | 12" | (300) | 7/8"-9 | 4 1/4" | (107.9) | 12 7/8" | (327.0) |
| B3188-14 | 14" | (350) | 7/8"-9 | 4 1/4" | (107.9) | 14 1/8" | (358.8) |
| B3188-16 | 16" | (400) | 7/8"-9 | 4 1/4" | (107.9) | 16 1/8" | (409.6) |
| B3188-18 | 18" | (450) | 1"-8 | 4 3/4" | (120.6) | 18 1/8" | (460.4) |
| B3188-20 | 20" | (500) | 1"-8 | 4 3/4" | (120.6) | 20 1/8" | (511.2) |
| B3188-24 | 24" | (600) | 1"-8 | 4 3/4" | (120.6) | 24 1/8" | (612.8) |
| B3188-30 | 30" | (750) | 1"-8 | 4 3/4" | (120.6) | 30 1/8" | (765.2) |

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

B3188 - Standard U-Bolt with 4 Hex Nuts cont.

| Part No. | C | | Tangent D | | E | | Approx. Wt./100 | |
|-------------------------------------|-----------------------------------|---------|----------------------------------|---------|-----------------------------------|--------|-----------------|---------|
| | in. | (mm) | in. | (mm) | in. | (mm) | Lbs. | (kg) |
| B3188-1/2 | 1 ³ / ₁₆ " | (30.2) | 2 ³ / ₄ " | (69.8) | 2 ⁵ / ₁₆ " | (58.7) | 10 | (4.5) |
| B3188-3/4 | 1 ³ / ₈ " | (34.9) | 2 ³ / ₄ " | (69.8) | 2 ⁷ / ₃₂ " | (56.3) | 11 | (5.0) |
| B3188-1 | 1 ⁵ / ₈ " | (41.3) | 2 ³ / ₄ " | (69.8) | 2 ³ / ₃₂ " | (53.2) | 11 | (5.0) |
| B3188-1 ¹ / ₄ | 2 ³ / ₃₂ " | (53.2) | 2 ⁷ / ₈ " | (73.0) | 2 ¹ / ₃₂ " | (51.6) | 28 | (12.7) |
| B3188-1 ¹ / ₂ | 2 ³ / ₈ " | (60.3) | 3" | (76.2) | 2 ¹ / ₁₆ " | (52.4) | 29 | (13.1) |
| B3188-2 | 2 ¹³ / ₁₆ " | (71.4) | 3 ¹ / ₄ " | (82.5) | 2 ¹ / ₁₆ " | (52.4) | 31 | (14.0) |
| B3188-2 ¹ / ₂ | 3 ⁷ / ₁₆ " | (87.3) | 3 ³ / ₄ " | (95.2) | 2 ⁵ / ₁₆ " | (58.7) | 72 | (32.6) |
| B3188-3 | 4 ¹ / ₁₆ " | (103.2) | 4" | (101.6) | 2 ¹ / ₄ " | (57.1) | 79 | (35.8) |
| B3188-3 ¹ / ₂ | 4 ⁹ / ₁₆ " | (115.9) | 4 ¹ / ₄ " | (107.9) | 2 ¹ / ₄ " | (57.1) | 84 | (38.1) |
| B3188-4 | 5 ¹ / ₁₆ " | (128.6) | 4 ¹ / ₂ " | (114.3) | 2 ¹ / ₄ " | (57.1) | 94 | (42.6) |
| B3188-5 | 6 ⁵ / ₃₂ " | (156.3) | 5" | (127.0) | 2 ⁷ / ₃₂ " | (56.3) | 104 | (47.2) |
| B3188-6 | 7 ³ / ₈ " | (187.3) | 6 ¹ / ₈ " | (155.6) | 2 ¹³ / ₁₆ " | (71.4) | 203 | (92.1) |
| B3188-8 | 9 ³ / ₈ " | (238.1) | 7 ¹ / ₈ " | (181.0) | 2 ¹³ / ₁₆ " | (71.4) | 241 | (109.3) |
| B3188-10 | 11 ⁵ / ₈ " | (295.3) | 8 ³ / ₈ " | (212.7) | 3" | (76.2) | 412 | (186.9) |
| B3188-12 | 13 ³ / ₄ " | (349.2) | 9 ⁵ / ₈ " | (244.5) | 3 ¹ / ₄ " | (82.5) | 661 | (299.8) |
| B3188-14 | 15" | (381.0) | 10 ¹ / ₄ " | (260.3) | 3 ¹ / ₄ " | (82.5) | 707 | (320.7) |
| B3188-16 | 17" | (431.8) | 11 ¹ / ₄ " | (285.7) | 3 ¹ / ₄ " | (82.5) | 782 | (354.7) |
| B3188-18 | 19 ¹ / ₈ " | (485.8) | 12 ⁵ / ₈ " | (320.7) | 3 ⁵ / ₈ " | (92.1) | 1344 | (609.6) |
| B3188-20 | 21 ¹ / ₈ " | (536.6) | 13 ⁵ / ₈ " | (346.1) | 3 ⁵ / ₈ " | (92.1) | 1458 | (661.3) |
| B3188-24 | 25 ¹ / ₈ " | (638.2) | 15 ⁵ / ₈ " | (396.9) | 3 ⁵ / ₈ " | (92.1) | 1687 | (765.2) |
| B3188-30 | 31 ¹ / ₈ " | (790.6) | 18 ⁵ / ₈ " | (473.1) | 3 ⁵ / ₈ " | (92.1) | 2030 | (920.8) |

| Part No. | Design Load 1 | | Design Load 2 | | Design Load 3 | |
|-------------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | 650°F (343°C) Lbs. (kN) | 750°F (399°C) Lbs. (kN) | 650°F (343°C) Lbs. (kN) | 650°F (343°C) Lbs. (kN) | 650°F (343°C) Lbs. (kN) | 650°F (343°C) Lbs. (kN) |
| B3188-1/2 | 580 (2.58) | 454 (2.02) | 145 (0.64) | 180 (0.80) | | |
| B3188-3/4 | 580 (2.58) | 454 (2.02) | 145 (0.64) | 300 (1.33) | | |
| B3188-1 | 580 (2.58) | 454 (2.02) | 145 (0.64) | 480 (2.13) | | |
| B3188-1 ¹ / ₄ | 1460 (6.49) | 1144 (5.09) | 365 (1.62) | 600 (2.67) | | |
| B3188-1 ¹ / ₂ | 1460 (6.49) | 1144 (5.09) | 365 (1.62) | 600 (2.67) | | |
| B3188-2 | 1460 (6.49) | 1144 (5.09) | 365 (1.62) | 720 (3.20) | | |
| B3188-2 ¹ / ₂ | 2700 (12.01) | 2114 (9.40) | 675 (3.00) | 720 (3.20) | | |
| B3188-3 | 2700 (12.01) | 2114 (9.40) | 675 (3.00) | 900 (4.00) | | |
| B3188-3 ¹ / ₂ | 2700 (12.01) | 2114 (9.40) | 675 (3.00) | 900 (4.00) | | |
| B3188-4 | 2700 (12.01) | 2114 (9.40) | 675 (3.00) | 900 (4.00) | | |
| B3188-5 | 2700 (12.01) | 2114 (9.40) | 675 (3.00) | 1080 (4.80) | | |
| B3188-6 | 4320 (19.21) | 3382 (15.04) | 1080 (4.80) | 1080 (4.80) | | |
| B3188-8 | 4320 (19.21) | 3382 (15.04) | 1080 (4.80) | -- | -- | |
| B3188-10 | 6460 (28.73) | 5060 (22.50) | 1615 (7.18) | -- | -- | |
| B3188-12 | 9960 (44.30) | 7016 (31.21) | 2490 (11.07) | -- | -- | |
| B3188-14 | 9960 (44.30) | 7016 (31.21) | 2490 (11.07) | -- | -- | |
| B3188-16 | 9960 (44.30) | 7016 (31.21) | 2490 (11.07) | -- | -- | |
| B3188-18 | 11800 (52.48) | 9240 (41.10) | -- | -- | -- | -- |
| B3188-20 | 11800 (52.48) | 9240 (41.10) | -- | -- | -- | -- |
| B3188-24 | 11800 (52.48) | 9240 (41.10) | -- | -- | -- | -- |
| B3188-30 | 11800 (52.48) | 9240 (41.10) | -- | -- | -- | -- |

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Threaded Accessories

B3201 - Forged Steel Clevis with Pin

B3201W0 - Forged Steel Clevis without Pin

Size Range: 3/8"-16 thru 2"-4 1/2 rod

Material: Forged Steel

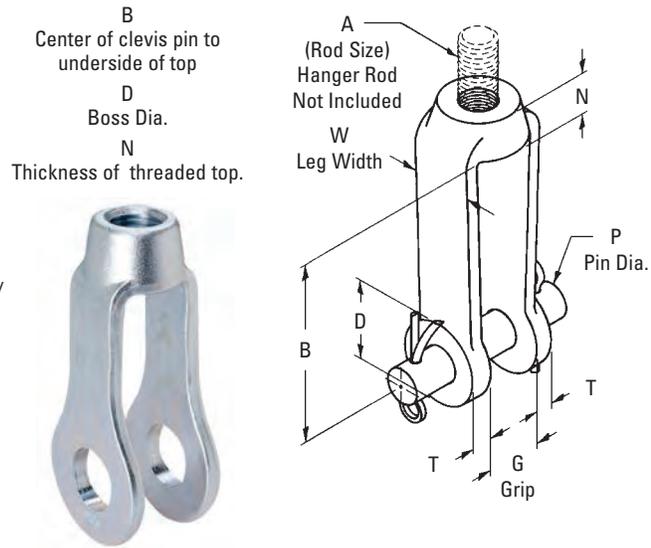
Function: For use on high temperature piping installations providing hanger rod adjustability.

Features: Complies fully with code for pressure piping. Supports loads equal to the full limitation of the hanger rod. Available with pin and cotter pins, if required.

Approvals: Conforms to Federal Specification WW-H-171E & A-A-1192A, Type 14 and Manufacturers Standardization Society ANSI/MSS SP-69 & SP-58, Type 14.

Finish: Plain. Contact customer service for alternative finishes and materials.

Order By: Part number, rod size and finish. If pin and cotter pins are required, specify "with pin". If other than standard combination of clevis size and rod tapping is required, specify clevis number, special rod tapping size and grip.



| Part No. | Rod Size | B | | D | | Grip G | | Pin Dia. N | | P | |
|-------------|----------|----------|---------|--------|---------|--------|--------|------------|--------|--------|--------|
| | A | in. | (mm) | in. | (mm) | in. | (mm) | in. | (mm) | in. | (mm) |
| B3201-3/8 | 3/8"-16 | 39/16" | (90.5) | 17/16" | (36.5) | 1/2" | (12.7) | 5/8" | (15.9) | 1/2" | (12.7) |
| B3201-1/2 | 1/2"-13 | 39/16" | (90.5) | 17/16" | (36.5) | 1/2" | (12.7) | 5/8" | (15.9) | 5/8" | (15.9) |
| B3201-5/8 | 5/8"-11 | 39/16" | (90.5) | 17/16" | (36.5) | 5/8" | (15.9) | 5/8" | (15.9) | 3/4" | (19.0) |
| B3201-3/4 | 3/4"-10 | 4" | (101.6) | 2 1/2" | (63.5) | 3/4" | (19.0) | 1 1/8" | (28.6) | 7/8" | (22.2) |
| B3201-7/8 | 7/8"-9 | 4" | (101.6) | 2 1/2" | (63.5) | 7/8" | (22.2) | 1 1/8" | (28.6) | 1" | (25.4) |
| B3201-1 | 1"-8 | 5 1/16" | (128.6) | 3" | (76.2) | 1" | (25.4) | 1 1/4" | (31.7) | 1 1/8" | (28.6) |
| B3201-1 1/8 | 1 1/8"-7 | 5 1/16" | (128.6) | 3" | (76.2) | 1 1/8" | (28.6) | 1 1/4" | (31.7) | 1 1/4" | (31.7) |
| B3201-1 1/4 | 1 1/4"-7 | 5 1/16" | (128.6) | 3" | (76.2) | 1 1/4" | (31.7) | 1 1/4" | (31.7) | 1 3/8" | (34.9) |
| B3201-1 1/2 | 1 1/2"-6 | 6" | (152.4) | 3 1/2" | (88.9) | 1 1/2" | (38.1) | 1 1/2" | (38.1) | 1 5/8" | (41.3) |
| B3201-1 3/4 | 1 3/4"-5 | 5 15/16" | (150.8) | 4" | (101.6) | 1 1/2" | (38.1) | 1 3/4" | (44.4) | 1 7/8" | (47.6) |
| B3201-2 | 2"-4 1/2 | 7" | (177.8) | 5" | (127.0) | 2 1/2" | (63.5) | 2 1/4" | (57.1) | 2 1/4" | (57.1) |

| Part No. | T in. (mm) | W in. (mm) | Design Load | | Approx. Wt./100 | |
|-------------|---------------|----------------|----------------------------|----------------------------|-----------------------|--------------------------|
| | | | 650°F (343°C) Lbs. (kN) | 750°F (399°C) Lbs. (kN) | With Pin Lbs. (kg) | Without Pin Lbs. (kg) |
| B3201-3/8 | 5/16" (7.9) | 1 1/16" (27.0) | 730 (3.25) | 572 (2.54) | 102 (46.2) | 85 (38.5) |
| B3201-1/2 | 5/16" (7.9) | 1 1/16" (27.0) | 1350 (6.00) | 1057 (4.70) | 112 (50.8) | 82 (37.2) |
| B3201-5/8 | 5/16" (7.9) | 1 1/16" (27.0) | 2160 (9.61) | 1692 (7.52) | 134 (60.8) | 78 (35.4) |
| B3201-3/4 | 3/8" (9.5) | 1 1/4" (31.7) | 3230 (14.37) | 2530 (11.25) | 250 (113.4) | 163 (73.9) |
| B3201-7/8 | 3/8" (9.5) | 1 1/4" (31.7) | 4480 (19.93) | 3508 (15.60) | 305 (138.3) | 161 (73.0) |
| B3201-1 | 1/2" (12.7) | 1 1/2" (38.1) | 5900 (26.24) | 4620 (20.55) | 656 (297.5) | 449 (203.6) |
| B3201-1 1/8 | 1/2" (12.7) | 1 1/2" (38.1) | 7450 (33.14) | 5830 (25.93) | 718 (325.7) | 433 (196.4) |
| B3201-1 1/4 | 1/2" (12.7) | 1 1/2" (38.1) | 9500 (42.25) | 7440 (33.09) | 603 (273.5) | 382 (173.3) |
| B3201-1 1/2 | 1/2" (12.7) | 1 3/4" (44.4) | 13800 (61.38) | 10807 (48.07) | 952 (431.8) | 600 (272.1) |
| B3201-1 3/4 | 1/2" (12.7) | 2" (50.8) | 18600 (82.73) | 14566 (64.79) | 1357 (615.5) | 800 (362.9) |
| B3201-2 | 5/8" (15.9) | 2 1/2" (63.5) | 24600 (109.42) | 19625 (87.29) | 2403 (1090.0) | 1600 (725.7) |

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

B3203 - Extension Piece

Size Range: 3/8"-16 thru 7/8"-9 rod

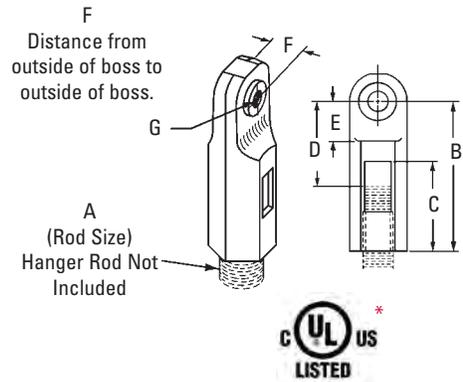
Material: Malleable Iron

Function: For use in attaching hanger rod to other attachments. (Use with B3054.)

Approvals: Underwriters Laboratories Listed *

Finish: Plain. Contact customer service for alternative finishes and materials.

Order By: Part number, rod size and finish



| Part No. | Rod Size A | For Pipe Sizes | | B | | C | | D | | |
|-------------|---------------|----------------|-----------|--------------|---------|--------|--------|--------|----------|--------|
| | | in. | (mm) | in. | (mm) | in. | (mm) | in. | (mm) | |
| B3203-3/8 * | 3/8"-16 | 3/4" | to 2" | (20 to 50) | 2 1/16" | (52.4) | 1 1/4" | (31.7) | 1 1/4" | (31.7) |
| B3203-1/2 * | 1/2"-13 | 2 1/2" | to 3 1/2" | (65 to 90) | 2 1/16" | (58.7) | 1 3/8" | (34.9) | 1 3/8" | (34.9) |
| B3203-5/8 | 5/8"-11 | 4"-5" | | (100 to 125) | 2 7/16" | (61.9) | 1 1/2" | (38.1) | 1 7/16" | (36.5) |
| B3203-3/4 | 3/4"-10 | 6" | | (150) | 2 7/8" | (73.0) | 1 3/4" | (44.4) | 1 11/16" | (42.9) |
| B3203-7/8 | 7/8"-9 | 8" | to 12" | (200 to 300) | 3" | (76.2) | 1 7/8" | (47.6) | 1 3/4" | (44.4) |

| Part No. | E | | F | | G | | Design Load Lbs. (kN) | Approx. Wt./100 Lbs. (kg) | |
|-----------|---------|--------|------|--------|-------|--------|--------------------------|------------------------------|--------|
| | in. | (mm) | in. | (mm) | in. | (mm) | | Lbs. | (kg) |
| B3203-3/8 | 9/16" | (14.3) | 1/2" | (12.7) | 1/2" | (12.7) | 730 (3.25) | 18 | (8.1) |
| B3203-1/2 | 1 1/16" | (17.5) | 5/8" | (15.9) | 1/2" | (12.7) | 1350 (6.00) | 37 | (16.8) |
| B3203-5/8 | 3/4" | (19.0) | 5/8" | (15.9) | 1/2" | (12.7) | 1550 (6.89) | 42 | (19.0) |
| B3203-3/4 | 7/8" | (22.2) | 5/8" | (15.9) | 1/2" | (12.7) | 2100 (9.34) | 56 | (25.4) |
| B3203-7/8 | 7/8" | (22.2) | 3/4" | (19.0) | 9/16" | (14.3) | 2350 (10.45) | 75 | (34.0) |

B3223-3/8" - Offset Eye Socket

Size Range: 3/8"-16 rod

Material: Steel

Function: Designed for attachment of 3/8"-16 hanger rod to structure.

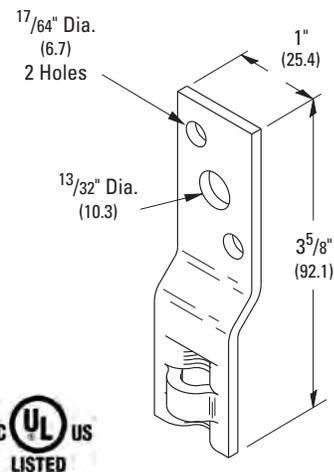
Approvals: Underwriters Laboratories Listed for up to 2" (50mm) pipe.

Weight: Approx. Wt./100 - 6.0 lbs. (2.7kg)

Finish: Electro-Galvanized

Order By: Part number and finish

Design Load: 610 lbs (2.71kN)



All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Threaded Accessories

B3224 - Hanger Adjuster

B3224CT - Copper Tubing Hanger Adjuster

Size Range: 1/4"-20 thru 3/4"-10 rod

Material: Malleable Iron

Function: To provide an adjustable threaded connection for hanger rods.

Approvals: Conforms to Federal Specification WW-H-171E & A-A-1192A, Type 15 and Manufacturers Standardization Society ANSI/MSS SP-69 & SP-58, Type 15.

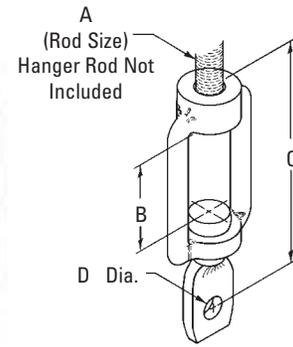
Finish: Plain. Contact customer service for alternative finishes and materials.

Order By: Part number, rod size and finish



B3224

B3224CT



| Part No. | Rod Size A | For Pipe Sizes | | B | | C | | D | | Design Load Lbs. (kN) | Approx. Wt./100 Lbs. (kg) |
|-----------|---------------|------------------|--------------|--------|--------|--------|---------|--------|--------|--------------------------|------------------------------|
| | | in. | (mm) | in. | (mm) | in. | (mm) | in. | (mm) | | |
| B3224-1/4 | 1/4"-20 | 3/8" | (10) | 1 3/4" | (44.4) | 3 7/8" | (98.4) | 7/32" | (5.5) | 230 (1.02) | 9 (4.1) |
| B3224-3/8 | 3/8"-16 | 1/2" to 2" | (15 to 50) | 1 3/4" | (44.4) | 3 7/8" | (98.4) | 13/32" | (10.3) | 730 (3.25) | 28 (12.7) |
| B3224-1/2 | 1/2"-13 | 2 1/2" to 3 1/2" | (65 to 90) | 1 3/4" | (44.4) | 3 7/8" | (98.4) | 13/32" | (10.3) | 730 (3.25) | 29 (13.1) |
| B3224-5/8 | 5/8"-11 | 4" to 5" | (100 to 125) | 2 1/4" | (57.1) | 5 1/8" | (130.2) | 1/2" | (12.7) | 730 (3.25) | 30 (13.6) |
| B3224-3/4 | 3/4"-10 | 6" | (150) | 2 1/4" | (57.1) | 5 1/8" | (130.2) | 9/16" | (14.3) | 860 (3.82) | 74 (33.5) |

B3202 - Turnbuckle

Size Range: 3/8"-16 thru 2"-4 1/2 machine thread

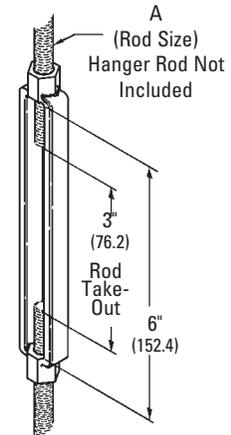
Material: Forged Steel

Function: Standard turnbuckle tapped right and left hand which provides 6" (152.4mm) take up (3" (76.2mm) rod take out).

Approvals: Conforms to Federal Specification WW-H-171E & A-A-1192A, Type 13, 3/8"-16 thru 1 1/2"-6 rod, and Manufacturers Standardization Society ANSI/MSS SP-69 & SP-58, Type 13.

Finish: Plain. Contact customer service for alternative finishes and materials.

Order By: Part number, rod size and finish



| Part No. | Rod Size A | Design Load | | | | Approx. Wt./100 | |
|-------------|---------------|---------------|----------|---------------|---------|-----------------|---------|
| | | 650°F (343°C) | | 750°F (399°C) | | Lbs. | (kg) |
| | | Lbs. | (kN) | Lbs. | (kN) | | |
| B3202-3/8 | 3/8"-16 | 730 | (3.25) | 572 | (2.54) | 38 | (17.2) |
| B3202-1/2 | 1/2"-13 | 1350 | (6.00) | 1057 | (4.70) | 54 | (24.5) |
| B3202-5/8 | 5/8"-11 | 2160 | (9.61) | 1692 | (7.52) | 91 | (41.3) |
| B3202-3/4 | 3/4"-10 | 3230 | (14.37) | 2530 | (11.25) | 130 | (58.9) |
| B3202-7/8 | 7/8"-9 | 4480 | (19.93) | 3508 | (15.60) | 202 | (91.6) |
| B3202-1 | 1"-8 | 5900 | (26.24) | 4620 | (20.55) | 270 | (122.5) |
| B3202-1 1/8 | 1 1/8"-7 | 7450 | (33.14) | 5830 | (25.93) | 354 | (160.6) |
| B3202-1 1/4 | 1 1/4"-7 | 9500 | (42.25) | 7440 | (33.09) | 445 | (201.8) |
| B3202-1 1/2 | 1 1/2"-6 | 13800 | (61.38) | 10807 | (48.07) | 640 | (290.3) |
| B3202-1 3/4 | 1 3/4"-5 | 18600 | (82.73) | 14566 | (64.79) | 1100 | (498.9) |
| B3202-2 | 2"-4 1/2 | 24600 | (109.42) | 19625 | (87.29) | 1490 | (675.8) |

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

B3205 - Threaded Rod (right-hand threads - both ends)

B3205L - Threaded Rod (right & left hand threads)

Size Range: 3/8"-16 thru 3"-4 rod

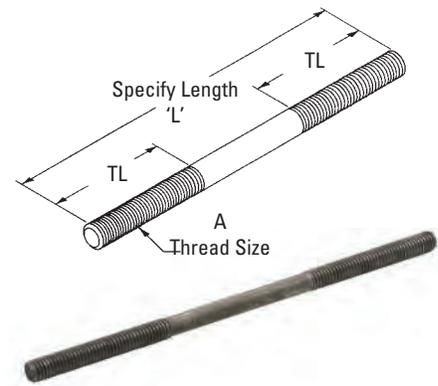
Material: Steel

Function: Recommended for use as a hanger support in hanger assemblies. Rod is threaded on both ends with right hand threads of the length shown. Also available with left and right hand threads - specify Fig. B3205L when ordering.

Maximum Temperature: 750°F (399°C)

Finish: Plain. Contact customer service for alternative finishes and materials.

Order By: Part number, rod size, length and finish



| Part No. | Thread Size A | Standard Thread Length TL in. (mm) | Design Load | |
|-------------------|------------------|--|----------------------------|----------------------------|
| | | | 650°F (343°C) Lbs. (kN) | 750°F (399°C) Lbs. (kN) |
| B3205-3/8 x 'L' | 3/8"-16 | 2 1/2" (63.5) | 730 (3.25) | 572 (2.54) |
| B3205-1/2 x 'L' | 1/2"-13 | 2 1/2" (63.5) | 1350 (6.00) | 1057 (4.70) |
| B3205-5/8 x 'L' | 5/8"-11 | 2 1/2" (63.5) | 2160 (9.61) | 1692 (7.52) |
| B3205-3/4 x 'L' | 3/4"-10 | 3" (76.2) | 3230 (14.37) | 2530 (11.25) |
| B3205-7/8 x 'L' | 7/8"-9 | 3 1/2" (88.9) | 4480 (19.93) | 3508 (15.60) |
| B3205-1 x 'L' | 1"-8 | 4" (101.6) | 5900 (26.24) | 4620 (20.55) |
| B3205-1 1/8 x 'L' | 1 1/8"-7 | 4 1/2" (114.3) | 7450 (33.14) | 5830 (25.93) |
| B3205-1 1/4 x 'L' | 1 1/4"-7 | 5" (127.0) | 9500 (42.25) | 7440 (33.09) |
| B3205-1 1/2 x 'L' | 1 1/2"-6 | 6" (152.4) | 13800 (61.38) | 10807 (48.07) |
| B3205-1 3/4 x 'L' | 1 3/4"-5 | 7" (177.8) | 18600 (82.73) | 14566 (64.79) |
| B3205-2 x 'L' | 2"-4 1/2 | 8" (203.2) | 24600 (109.42) | 19625 (87.29) |
| B3205-2 1/4 x 'L' | 2 1/4"-4 1/2 | 9" (228.6) | 32300 (143.67) | 25295 (112.51) |
| B3205-2 1/2 x 'L' | 2 1/2"-4 | 10" (254.0) | 39800 (177.03) | 31169 (138.64) |
| B3205-2 3/4 x 'L' | 2 3/4"-4 | 11" (279.4) | 49400 (219.73) | 38687 (172.08) |
| B3205-3 x 'L' | 3"-4 | 12" (304.8) | 60100 (267.32) | 47066 (209.35) |

ATR - All Threaded Rod 120" (3.05m) Lengths

Fig. 99 - All Threaded Rod Cut To Length

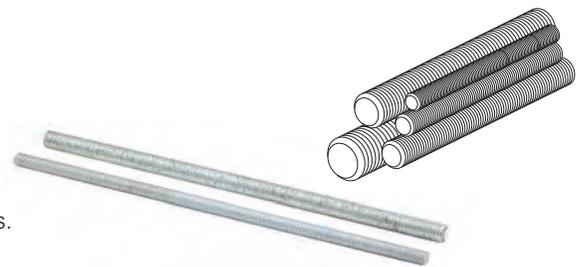
Size Range: 3/8"-16 thru 1 1/2"-6 rod in 120" (3.05m) lengths or cut to length

Material: Steel

Maximum Temperature: 750°F (399°C)

Finish: Plain. Contact customer service for alternative finishes and materials.

Order By: Part number, rod diameter and finish



| Part No. - Size x Length ATR | Fig.99 | Threads Per Inch | Recommended Load | | Approx. Wt./100 Ft. | |
|---------------------------------|--------------------|---------------------|------------------|---------|---------------------|----------|
| | | | Lbs. | (kN) | Lbs. | (kg) |
| ATR 1/4" x 120 | 99-1/4" x length | 20 | 240 | (1.07) | 12 | (5.44) |
| ATR 3/8" x 120 | 99-3/8" x length | 16 | 730 | (3.24) | 29 | (13.15) |
| ATR 1/2" x 120 | 99-1/2" x length | 13 | 1350 | (6.00) | 53 | (24.04) |
| ATR 5/8" x 120 | 99-5/8" x length | 11 | 2160 | (9.60) | 89 | (40.37) |
| ATR 3/4" x 120 | 99-3/4" x length | 10 | 3230 | (14.37) | 123 | (55.79) |
| ATR 7/8" x 120 | 99-7/8" x length | 9 | 4480 | (19.93) | 170 | (77.11) |
| ATR 1" x 120 | 99-1" x length | 8 | 5900 | (26.24) | 225 | (102.06) |
| ATR 1 1/8" x 120 | 99-1 1/8" x length | 7 | 7450 | (33.14) | 280 | (127.01) |
| ATR 1 1/4" x 120 | 99-1 1/4" x length | 7 | 9500 | (42.25) | 351 | (159.21) |
| ATR 1 1/2" x 120 | 99-1 1/2" x length | 6 | 13800 | (61.38) | 510 | (231.33) |

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Threaded Accessories

TOLCO™ Fig. 98 - Rod Stiffener

TOLCO™ Fig. 98B - Rod Stiffener with Break-Off Bolt Head

Size Range: Secures 3/8"-16 thru 7/8"-9 hanger rod

Material: Steel

Function: Secures channel to hanger rod for vertical seismic bracing. Slight distortion of the channel (strut) may occur upon installation of rod stiffeners.

Approvals: Included in our Seismic Restraints Catalog approved by the State of California Office of Statewide Health Planning and Development (OSHPD). For additional load, spacing and placement information relating to OSHPD projects, please refer to the TOLCO Seismic Restraint Systems Guidelines

Finishes: Fig. 98B - Electro Galvanized
Fig. 98 - HDG or SS

Contact customer service for alternative finishes and materials.

Weight: Approx. Wt./100: Fig. 98 - 11.8 Lbs. (5.3kg)
Fig. 98B - 12.7 Lbs. (5.7kg)

Order By: Part number



Fig. 98

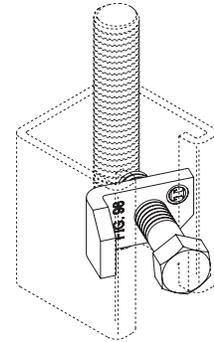
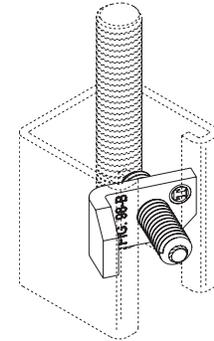


Fig. 98B



SC228 - Hanger Rod Stiffener

Size Range: Secures 3/8"-16 thru 5/8"-11 hanger rod

Material: Steel

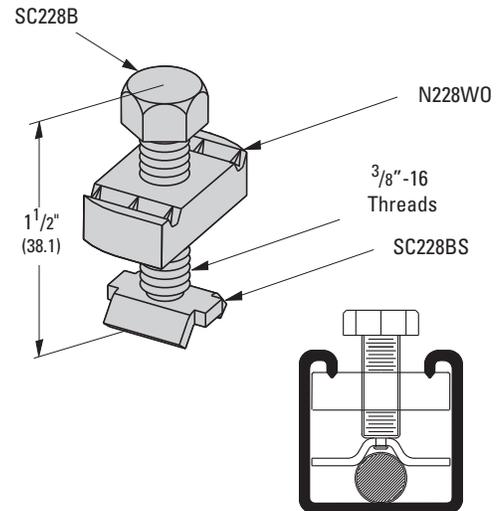
Function: Secures channel to hanger rod for vertical seismic bracing. Slight distortion of the channel (strut) may occur upon installation of rod stiffeners.

Finish: Electro Galvanized. Contact customer service for alternative finishes and materials.

Weight: Approx. Wt./100: 21.0 Lbs. (9.5kg)

Order By: Part number

Note: Order channel separately



Rod Stiffener Requirements

| Rod Size | Maximum Rod Length Without Rod Stiffener | Maximum Spacing Between Rod Stiffeners |
|----------|--|--|
| 3/8" | 19" (482mm) | 13" (330mm) |
| 1/2" | 25" (635mm) | 18" (457mm) |
| 5/8" | 31" (787mm) | 23" (584mm) |
| 3/4" | 37" (940mm) | 28" (711mm) |
| 7/8" | 43" (1092mm) | 33" (838mm) |
| 1" | 50" (1270mm) | 38" (965mm) |
| 1 1/4" | 60" (1524mm) | 43" (1092mm) |

Notes:

- 1.) Rod stiffeners are required only on hanger and trapeze assemblies that have seismic bracing attached at or within 4" (101.6mm) of the rod. A minimum of two rod stiffeners (Figure 98, 98B, or SC228) must be installed.
- 2.) Recommended torque on Figure 98 and SC228 is 8 ft-lbs. (10.8Nm) or finger tight and one full turn with a wrench. Figure 98B has the break off bolt head.

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

TOLCO™ B3214 - Tie Bolt

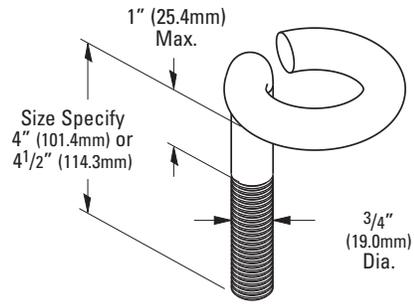
Material: Steel

Function: Recommended for securing the connection of steel pipe to ductile pipe first attach tie bolts to pipe flanges then connect tie rods. May be used in vertical or horizontal applications.

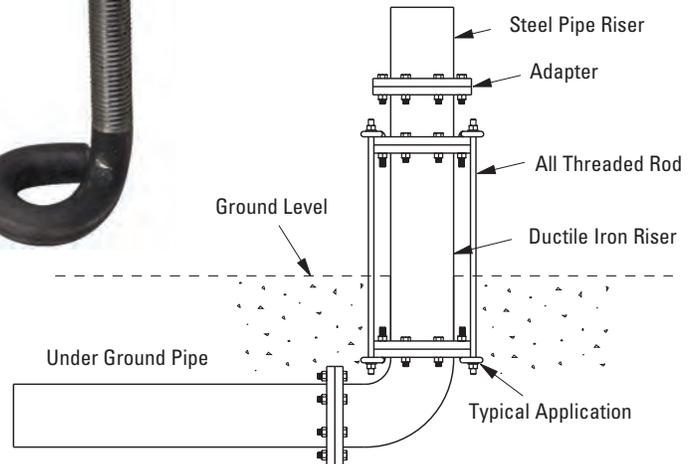
Approvals: Conforms to NFPA Pamphlet 24, Installation of Private Fire Service Maintenance 4" (100mm) - 12" (300mm) pipe size.

Finish: Plain. Contact customer service for alternative finishes and materials.

Order By: Part number, size and finish.
Custom lengths for thicker flange available.



| Part No. | Length | | Approx. Wt./100 | |
|-------------|--------|---------|-----------------|--------|
| | in. | (mm) | Lbs. | (kg) |
| B3214-4 | 4" | (101.6) | 107.5 | (48.5) |
| B3214-4 1/2 | 4 1/2" | (114.3) | 113.7 | (51.6) |



B3213 - Coach Screw Rod

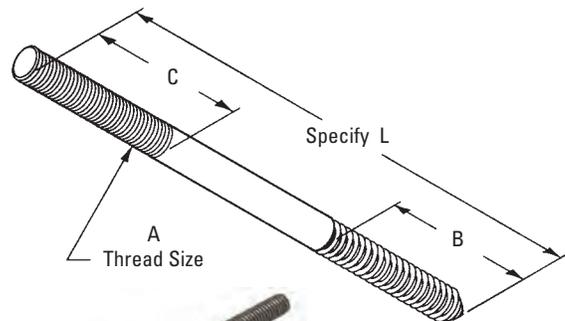
Size Range: 3/8"-16 rod thru 1/2"-13 rod

Material: Steel

Function: Typically used to suspend pipe from wood joists. Machine threaded on one end and lag threaded on the other end. It is recommended that pilot holes be pre-drilled to prevent beam from splitting and to aid in starting lag threads.

Finish: Plain. Contact customer service for alternative finishes and materials.

Order By: Part number, rod size, length and finish



| Part No. | Thread Size A | Standard Rod Lengths L | Coach Screw Thread Length B | Rod Thread Length C | Design Load |
|-----------------|---------------|---------------------------|-----------------------------|---------------------|-------------|
| | | in. (mm) | in. (mm) | in. (mm) | Lbs. (kg) |
| B3213-3/8 x 'L' | 3/8"-16 | *3 1/2", 8" (88.9, 203.2) | 2" (50.8) | 2" (50.8) | 390 (1.73) |
| B3213-1/2 x 'L' | 1/2"-13 | *3 1/2", 8" (88.9, 203.2) | 2 1/2" (63.5) | 2 1/2" (63.5) | 640 (2.84) |

*3/8 x 3 1/2 and 1/2 x 3 1/2 will have a coach screw thread length of 2" (50.8) and a rod thread length of 1" (25.4). Design Load is based on proper installation and solid wood.

Threaded Accessories

B3210 - Eye Rod (right-hand threads)

B3210L - Eye Rod (left-hand threads)

B3211 - Welded Eye Rod (right-hand threads)

B3211L - Welded Eye Rod (left-hand threads)

Size Range: 3/8"-16 thru 2"-4 1/2 rod

Material: Steel

Function: Designed for use as support hanger rod that may be attached directly to structure or to other pipe support product. The welded eye allows for heavier loads.

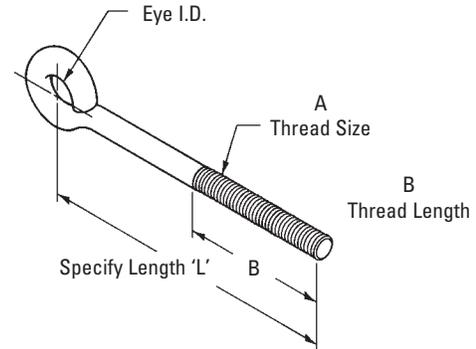
Finish: Plain. Contact customer service for alternative finishes and materials.

Order By: Part number, rod size, length and finish

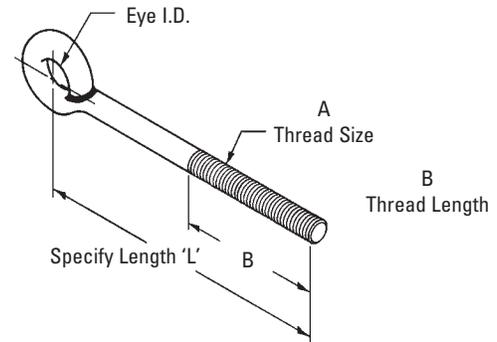
Important Note: The Eye I.D. dimension may be larger if needed. Contact B-line if larger Eye I.D. dimension is required.



B3210



B3211



| Part No. | | Thread Size A | Thread Length B in. (mm) | Eye I.D. in. (mm) | Design Load | | | |
|-------------------|-------------------|------------------|--------------------------------|----------------------|-------------------------------------|----------------|---|--|
| | | | | | B3210 650°F (343°C) Lbs. (kN) | | B3211 650°F (343°C) 750°F (399°C) Lbs. (kN) Lbs. (kN) | |
| B3210-3/8 x 'L' | B3211-3/8 x 'L' | 3/8"-16 | 2 1/2" (63.5) | 1/2" (12.7) | 240 (1.07) | 730 (3.25) | 572 (2.54) | |
| B3210-1/2 x 'L' | B3211-1/2 x 'L' | 1/2"-13 | 2 1/2" (63.5) | 5/8" (15.9) | 440 (1.96) | 1350 (6.00) | 1057 (4.70) | |
| B3210-5/8 x 'L' | B3211-5/8 x 'L' | 5/8"-11 | 2 1/2" (63.5) | 3/4" (19.0) | 705 (3.13) | 2160 (9.61) | 1692 (7.52) | |
| B3210-3/4 x 'L' | B3211-3/4 x 'L' | 3/4"-10 | 3" (76.2) | 7/8" (22.2) | 1050 (4.67) | 3230 (14.37) | 2530 (11.25) | |
| B3210-7/8 x 'L' | B3211-7/8 x 'L' | 7/8"-9 | 3 1/2" (88.9) | 1" (25.4) | 1470 (6.54) | 4480 (19.93) | 3508 (15.60) | |
| B3210-1 x 'L' | B3211-1 x 'L' | 1"-8 | 4" (101.6) | 1 1/8" (28.6) | 1940 (8.63) | 5900 (26.24) | 4620 (20.55) | |
| B3210-1 1/8 x 'L' | B3211-1 1/8 x 'L' | 1 1/8"-7 | 4 1/2" (114.3) | 1 1/4" (31.7) | 2430 (10.81) | 7450 (33.14) | 5830 (25.93) | |
| B3210-1 1/4 x 'L' | B3211-1 1/4 x 'L' | 1 1/4"-7 | 5" (127.0) | 1 3/8" (34.9) | 3120 (13.88) | 9500 (42.25) | 7440 (33.09) | |
| B3210-1 1/2 x 'L' | B3211-1 1/2 x 'L' | 1 1/2"-6 | 6" (152.4) | 1 5/8" (41.3) | 4650 (20.68) | 13800 (61.38) | 10807 (48.07) | |
| B3210-1 3/4 x 'L' | B3211-1 3/4 x 'L' | 1 3/4"-5 | 7" (177.8) | 2" (50.8) | 6380 (28.38) | 18600 (82.73) | 14566 (64.79) | |
| B3210-2 x 'L' | B3211-2 x 'L' | 2"-4 1/2 | 8" (203.2) | 2 1/4" (57.1) | 8280 (36.83) | 24600 (109.42) | 19625 (87.29) | |

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

B3210X - Linked Eye Rods (right-hand threads-both ends)

B3210XL - Linked Eye Rods (left-hand & right-hand threads)

B3211X - Linked Welded Eye Rods (right-hand threads-both ends)

B3211XL - Linked Welded Eye Rods (left-hand & right-hand threads)

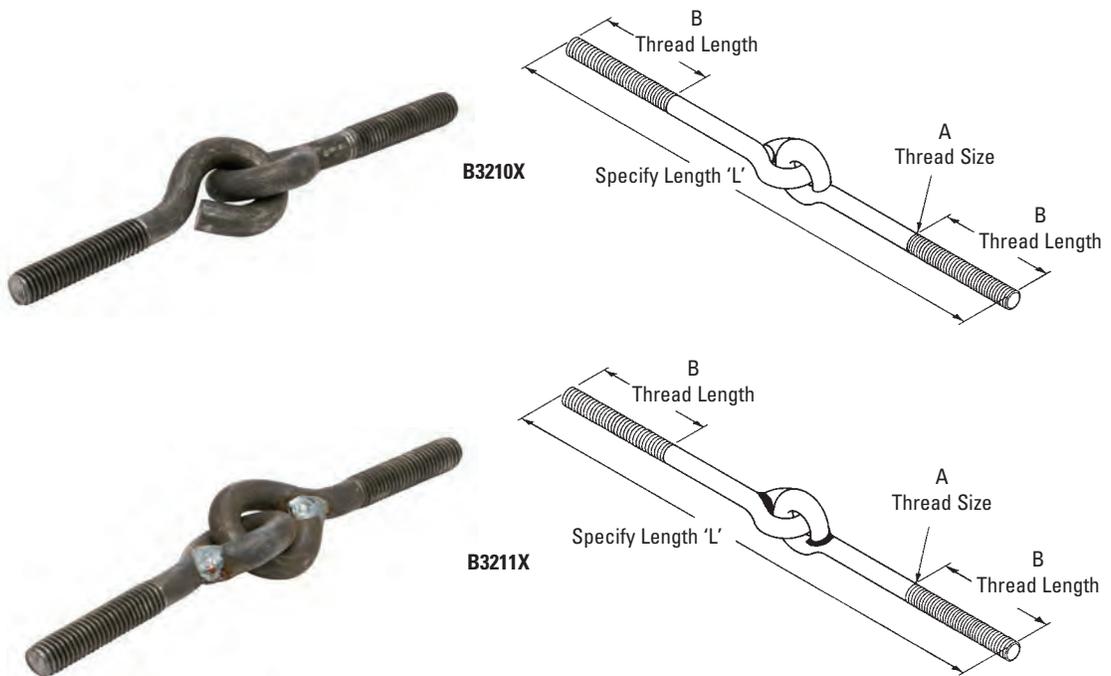
Size Range: 3/8"-16 thru 2"-4 1/2 rod

Material: Steel

Function: Designed for use in a hanger assembly where universal movement is necessary. The welded eye rods allow for heavier loads.

Finish: Plain. Contact customer service for alternative finishes and materials.

Order By: Part number, rod size, and length.



| Part No. | | Thread Size A | Thread Length B in. (mm) | Eye I.D. in. (mm) | Design Load | | | | |
|--------------------|--------------------|---------------|-----------------------------|----------------------|-------------------------|----------------|---------------------------------------|-----------|--|
| | | | | | B3210X 650°F (343°C) | | B3211X 650°F (343°C) 750°F (399°C) | | |
| | | | | Lbs. (kN) | | Lbs. (kN) | | Lbs. (kN) | |
| B3210X-3/8 x 'L' | B3211X-3/8 x 'L' | 3/8"-16 | 2 1/2" (63.5) | 1/2" (12.7) | 240 (1.07) | 730 (3.25) | 572 (2.54) | | |
| B3210X-1/2 x 'L' | B3211X-1/2 x 'L' | 1/2"-13 | 2 1/2" (63.5) | 5/8" (15.9) | 440 (1.96) | 1350 (6.00) | 1057 (4.70) | | |
| B3210X-5/8 x 'L' | B3211X-5/8 x 'L' | 5/8"-11 | 2 1/2" (63.5) | 3/4" (19.0) | 705 (3.13) | 2160 (9.61) | 1692 (7.52) | | |
| B3210X-3/4 x 'L' | B3211X-3/4 x 'L' | 3/4"-10 | 3" (76.2) | 7/8" (22.2) | 1050 (4.67) | 3230 (14.37) | 2530 (11.25) | | |
| B3210X-7/8 x 'L' | B3211X-7/8 x 'L' | 7/8"-9 | 3 1/2" (88.9) | 1" (25.4) | 1470 (6.54) | 4480 (19.93) | 3508 (15.60) | | |
| B3210X-1 x 'L' | B3211X-1 x 'L' | 1"-8 | 4" (101.6) | 1 1/8" (28.6) | 1940 (8.63) | 5900 (26.24) | 4620 (20.55) | | |
| B3210X-1 1/8 x 'L' | B3211X-1 1/8 x 'L' | 1 1/8"-7 | 4 1/2" (114.3) | 1 1/4" (31.7) | 2430 (10.81) | 7450 (33.14) | 5830 (25.93) | | |
| B3210X-1 1/4 x 'L' | B3211X-1 1/4 x 'L' | 1 1/4"-7 | 5" (127.0) | 1 3/8" (34.9) | 3120 (13.88) | 9500 (42.25) | 7440 (33.09) | | |
| B3210X-1 1/2 x 'L' | B3211X-1 1/2 x 'L' | 1 1/2"-6 | 6" (152.4) | 1 5/8" (41.3) | 4650 (20.68) | 13800 (61.38) | 10807 (48.07) | | |
| B3210X-1 3/4 x 'L' | B3211X-1 3/4 x 'L' | 1 3/4"-5 | 7" (177.8) | 2" (50.8) | 6380 (28.38) | 18600 (82.73) | 14566 (64.79) | | |
| B3210X-2 x 'L' | B3211X-2 x 'L' | 2"-4 1/2 | 8" (203.2) | 2 1/4" (57.1) | 8280 (36.83) | 24600 (109.42) | 19625 (87.29) | | |

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Threaded Accessories

B3212 - J-Bolt

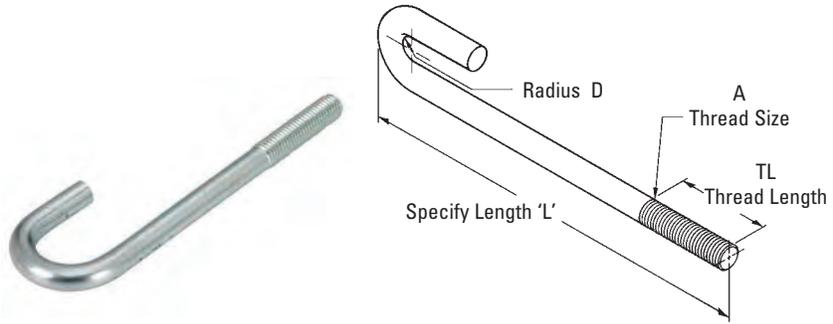
Size Range: 3/8"-16 thru 7/8"-19 rod

Material: Steel

Function: Designed to be hooked or hung from beam flange or purlin.

Finish: Plain. Contact customer service for alternative finishes and materials.

Order By: Part number, length and finish



| Part No. | Thread Size | Thread Length TL | | Radius D | | Design Load | |
|-----------------|-------------|------------------|--------|----------|--------|-------------|--------|
| | A | in. | (mm) | in. | (mm) | Lbs. | (kg) |
| B3212-3/8 x 'L' | 3/8"-16 | 2" | (50.8) | 1/2" | (12.7) | 240 | (1.07) |
| B3212-1/2 x 'L' | 1/2"-13 | 2" | (50.8) | 5/8" | (15.9) | 440 | (1.96) |
| B3212-5/8 x 'L' | 5/8"-11 | 2 1/2" | (63.5) | 3/4" | (19.0) | 705 | (3.13) |
| B3212-3/4 x 'L' | 3/4"-10 | 2 1/2" | (63.5) | 7/8" | (22.2) | 1050 | (4.67) |
| B3212-7/8 x 'L' | 7/8"-9 | 2 1/2" | (63.5) | 1" | (25.4) | 1470 | (6.54) |

DS 16 x 2 - Drive Screw

Material: Steel

Function: Equivalent to a nail, but has greater holding power

Finish: Plain and Electro-Galvanized

Order By: Part number, size and finish



B3228 - Hex Head Lag Bolt

Material: Steel

Function: Designed to fasten metal to wood. Lag screws are made with hex heads in lengths of 6" (152.5mm) or shorter and square heads in lengths longer than 6" (152.5mm). Both types have coarse lag threads and gimlet points and are available in diameters of 1/4" (6.3mm) to 5/8" (15.9mm) inclusive. Square-head lag screws are also available in 3/4" (19.0mm), 7/8" (22.2mm) and 1" (25.4mm) diameters.

Finish: Plain. Contact customer service for alternative finishes and materials.

Order By: Part number, bolt size, length and finish



| Length | Bolt Diameter and Wt./C | | | | | |
|----------------|-------------------------|------------|-------------|-------------|-------------|--|
| | 1/4" (6.3) | 3/8" (9.5) | 1/2" (12.7) | 5/8" (15.9) | 3/4" (19.0) | |
| 1 1/2" (38.1) | 2.3 (1.0) | 6.0 (2.7) | 11.8 (5.3) | 19.4 (8.8) | 32.3 (14.6) | |
| 2" (50.8) | 2.8 (1.3) | 7.0 (3.2) | 14.4 (6.5) | 23.2 (10.5) | 38.3 (17.4) | |
| 2 1/2" (63.5) | 3.3 (1.5) | 8.3 (3.7) | 16.2 (7.3) | 27.0 (12.2) | 44.0 (19.9) | |
| 3" (76.2) | 3.9 (1.7) | 9.8 (4.4) | 18.6 (8.4) | 31.0 (14.0) | 47.7 (21.6) | |
| 3 1/2" (88.9) | 4.4 (2.0) | 11.4 (5.2) | 21.2 (9.6) | 34.8 (15.8) | 56.3 (25.5) | |
| 4" (101.6) | 5.0 (2.2) | 12.5 (5.7) | 23.3 (10.5) | 37.6 (17.0) | 58.5 (26.5) | |
| 4 1/2" (114.3) | 5.7 (2.6) | 14.0 (6.3) | 26.1 (11.8) | 42.6 (19.3) | 64.0 (29.0) | |
| 5" (127.0) | 6.3 (2.8) | 15.4 (7.0) | 29.0 (13.1) | 45.5 (20.6) | 68.0 (30.8) | |
| 5 1/2" (139.7) | 7.0 (3.2) | 16.4 (7.4) | 31.5 (14.3) | 49.3 (22.3) | 74.0 (33.5) | |
| 6" (152.4) | 7.4 (3.3) | 18.3 (8.3) | 34.0 (15.4) | 53.0 (24.0) | 77.0 (34.9) | |

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

B655 - Steel Rod Coupling B656 - Steel Reducing Rod Coupling

Size Range: 1/4"-20 thru 1"-8 rod

Material: Steel

Function: Used for coupling two threaded rods together of equal or reduced rod sizes, with or without inspection hole.

Finish: Electro-Galvanized. Contact customer service for alternative finishes and materials.

Order By: Part number and finish

| Part No. | For Rod Size | Length in. (mm) | Design Load | | Approx. Wt./100 | |
|----------|--------------|--------------------|-------------|---------|-----------------|---------|
| | | | Lbs. | (kN) | Lbs. | (kg) |
| B655-1/4 | 1/4"-20 | 7/8" (22.2) | 300 | (1.33) | 1.9 | (0.86) |
| B655-3/8 | 3/8"-16 | 1 1/8" (28.6) | 730 | (3.25) | 3.6 | (1.63) |
| B655-1/2 | 1/2"-13 | 1 3/4" (44.4) | 1350 | (6.00) | 11.3 | (5.12) |
| B655-5/8 | 5/8"-11 | 2 1/8" (54.0) | 2160 | (9.61) | 17.6 | (7.98) |
| B655-3/4 | 3/4"-10 | 2 1/4" (57.1) | 3230 | (14.37) | 28.1 | (12.74) |
| B655-7/8 | 7/8"-9 | 2 1/2" (63.5) | 4480 | (19.93) | 57.2 | (25.94) |
| B655-1 | 1"-8 | 2 3/4" (69.8) | 5900 | (26.24) | 73.7 | (33.43) |



B655

| Part No. | For Rod Size | Length in. (mm) | Design Load | | Approx. Wt./100 | |
|----------------|-------------------|--------------------|-------------|---------|-----------------|---------|
| | | | Lbs. | (kN) | Lbs. | (kg) |
| B656-3/8 x 1/4 | 3/8"-16 & 1/4"-20 | 1" (25.4) | 300 | (1.33) | 3.7 | (1.68) |
| B656-1/2 x 3/8 | 1/2"-13 & 3/8"-16 | 1 1/4" (31.7) | 730 | (3.25) | 6.6 | (2.99) |
| B656-5/8 x 1/2 | 5/8"-11 & 1/2"-13 | 1 1/4" (31.7) | 1350 | (6.00) | 11.6 | (5.26) |
| B656-3/4 x 5/8 | 3/4"-10 & 5/8"-11 | 1 1/2" (38.1) | 2160 | (9.61) | 20.6 | (9.34) |
| B656-7/8 x 3/4 | 7/8"-9 & 3/4"-10 | 1 3/4" (44.4) | 3230 | (14.37) | 39.4 | (17.87) |



B656

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Threaded Accessories

B3220 - Rod Coupling

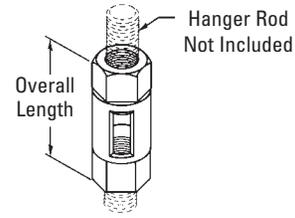
Size Range: 3/8"-16 thru 1"-8 rod

Material: Malleable Iron

Function: Used for coupling two threaded rods together of equal rod sizes, with inspection hole.

Finish: Plain. Contact customer service for alternative finishes and materials.

Order By: Part number and finish



| Part No. | For Rod Size | Overall Length | | Design Load | | Approx. Wt./100 | |
|-----------------|--------------------|----------------|--------|-------------|---------|-----------------|--------|
| | | in. | (mm) | Lbs. | (kN) | Lbs. | (kg) |
| B3220-1/4 | 1/4"-20 | 1 3/8" | (34.9) | 300 | (1.33) | 6 | (2.7) |
| B3220-3/8 x 1/4 | 3/8"-16 to 1/4"-20 | 1 5/8" | (41.3) | 300 | (1.33) | 11 | (5.0) |
| B3220-3/8 | 3/8"-16 | 1 5/8" | (41.3) | 730 | (3.25) | 10 | (4.5) |
| B3220-1/2 x 3/8 | 1/2"-13 to 3/8"-16 | 2 1/8" | (54.0) | 730 | (3.25) | 20 | (9.1) |
| B3220-1/2 | 1/2"-13 | 2 1/8" | (54.0) | 1350 | (6.00) | 20 | (9.1) |
| B3220-5/8 | 5/8"-11 | 2 1/2" | (63.5) | 2160 | (9.61) | 32 | (14.5) |
| B3220-3/4 | 3/4"-10 | 2 5/8" | (66.7) | 3230 | (14.37) | 42 | (19.0) |
| B3220-7/8 | 7/8"-9 | 3 3/16" | (55.6) | 4480 | (19.93) | 91 | (41.3) |
| B3220-1 | 1"-8 | 2 3/4" | (69.8) | 5900 | (26.24) | 100 | (45.3) |

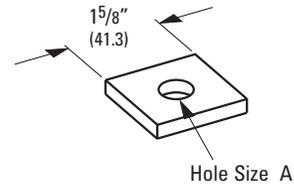
B200 - Series Square Washer

Material: Steel

Standard Finish: Electro-Galvanized

Service: Designed as a washer to suspend hanger rods.

Order by: Part number and finish.



| Part No. | Hole Size A | | Bolt Size | Thickness | | Approx. Wt./100 | |
|----------|-------------|--------|-----------|-----------|-------|-----------------|-------|
| | in. | (mm) | | in. | (mm) | Lbs. | (kg) |
| B200 | 3/8" | (9.5) | 5/16"-18 | 1/4" | (6.3) | 18 | (8.1) |
| B201 | 7/16" | (11.1) | 3/8"-16 | 1/4" | (6.3) | 18 | (8.1) |
| B202 | 9/16" | (14.2) | 1/2"-13 | 1/4" | (6.3) | 17 | (7.7) |
| B202-1 | 11/16" | (17.4) | 5/8"-11 | 1/4" | (6.3) | 16 | (7.2) |
| B202-2 | 13/16" | (20.6) | 3/4"-10 | 1/4" | (6.3) | 15 | (6.8) |

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

B3248 - Steel Washer Plate

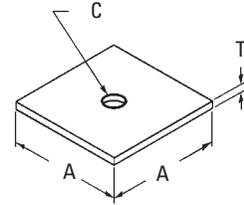
Size Range: 3/8" thru 1" rod sizes

Material: Steel

Function: Heavy duty washer for use on top of channels or angles to support hanger rod.

Finish: Plain. Contact customer service for alternative finishes and materials.

Order By: Part number and finish.



| Part No. | Rod Size | Hole Size C | | A | | T | | Approx. Wt./100 | |
|-----------|----------|-------------|--------|--------|---------|------|-------|-----------------|--------|
| | | in. | (mm) | in. | (mm) | in. | (mm) | Lbs. | (kg) |
| B3248-3/8 | 3/8"-16 | 7/16" | (11.1) | 2" | (50.8) | 1/4" | (6.3) | 27 | (12.2) |
| B3248-1/2 | 1/2"-13 | 9/16" | (14.3) | 2" | (50.8) | 1/4" | (6.3) | 27 | (12.2) |
| B3248-5/8 | 5/8"-11 | 11/16" | (17.5) | 2 1/2" | (63.5) | 1/4" | (6.3) | 47 | (21.3) |
| B3248-3/4 | 3/4"-10 | 13/16" | (20.6) | 2 1/2" | (63.5) | 3/8" | (9.5) | 52 | (23.6) |
| B3248-7/8 | 7/8"-9 | 15/16" | (23.8) | 3" | (76.2) | 3/8" | (9.5) | 85 | (38.5) |
| B3248-1 | 1"-8 | 1 1/8" | (28.6) | 4" | (101.6) | 3/8" | (9.5) | 160 | (72.6) |

B3234 - Bevel Washer

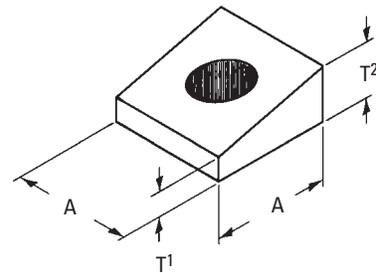
Size Range: 3/8"-16 thru 7/8"-9 bolt

Material: Malleable Iron

Function: Designed to match taper of flange of I-beam or channel to permit right angle fastening of bolt.

Finish: Plain. Contact customer service for alternative finishes and materials.

Order By: Part number size and finish



| Part No. | For Bolt Size | A | | T ¹ | T ² | Approx. Wt./100 | | | |
|-----------|---------------|--------|--------|----------------|----------------|-----------------|--------|------|--------|
| | | in. | (mm) | in. | (mm) | in. | (mm) | Lbs. | (kg) |
| B3234-3/8 | 3/8"-16 | 1 1/4" | (31.7) | 5/32" | (3.9) | 11/32" | (8.7) | 9 | (4.1) |
| B3234-1/2 | 1/2"-13 | 1 1/4" | (31.7) | 5/32" | (3.9) | 11/32" | (8.7) | 9 | (4.1) |
| B3234-5/8 | 5/8"-11 | 1 1/2" | (38.1) | 5/32" | (3.9) | 13/32" | (10.3) | 14 | (6.3) |
| B3234-3/4 | 3/4"-10 | 1 1/2" | (38.1) | 7/32" | (5.5) | 15/32" | (11.9) | 16 | (7.2) |
| B3234-7/8 | 7/8"-9 | 2" | (50.8) | 7/32" | (5.5) | 9/16" | (14.3) | 33 | (14.9) |

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Threaded Accessories

HN - Standard Hex Nut

Size Range: 1/4"-20 thru 7/8"-9

Material: Steel

Finish: Plain or Electro-Galvanized.

Contact customer service for alternative finishes and materials.

Order By: Part number size and finish



| Part Number | For Rod Size | Width Across Flats | | Width Across Points | | Thickness | | Approx. Wt./100 | |
|-------------|--------------|--------------------|--------|---------------------|--------|-----------|--------|-----------------|-------|
| | | in. | (mm) | in. | (mm) | in. | (mm) | lbs. | (kg) |
| HN-1/4 | 1/4"-20 | 7/16" | (11.1) | 1/2" | (12.7) | 7/32" | (5.7) | 0.7 | (0.3) |
| HN-3/8 | 3/8"-16 | 9/16" | (14.3) | 21/32" | (16.6) | 21/64" | (8.3) | 1.6 | (0.7) |
| HN-1/2 | 1/2"-13 | 3/4" | (19.0) | 55/64" | (21.8) | 7/16" | (11.1) | 3.7 | (1.7) |
| HN-5/8 | 5/8"-11 | 15/16" | (23.8) | 13/32" | (27.8) | 35/64" | (13.9) | 7.3 | (3.3) |
| HN-3/4 | 3/4"-10 | 1 1/8" | (28.6) | 1 5/16" | (33.3) | 41/64" | (16.3) | 12.0 | (5.4) |
| HN-7/8 | 7/8"-9 | 1 5/16" | (33.3) | 1 33/64" | (38.5) | 3/4" | (19.0) | 19.0 | (8.6) |

HHN - Heavy Hex Nut

Size Range: 1/4"-20 thru 7/8"-9

Material: Steel

Finish: Plain or Electro-Galvanized.

Contact customer service for alternative finishes and materials.

Order By: Part number size and finish



| Part Number | For Rod Size | Width Across Flats | | Width Across Points | | Thickness | | Approx. Wt./100 | |
|-------------|--------------|--------------------|--------|---------------------|--------|-----------|--------|-----------------|--------|
| | | in. | (mm) | in. | (mm) | in. | (mm) | lbs. | (kg) |
| HHN-1/4 | 1/4"-20 | 1/2" | (12.7) | 37/64" | (14.7) | 15/64" | (5.9) | 1.2 | (0.5) |
| HHN-3/8 | 3/8"-16 | 1 1/16" | (17.5) | 51/64" | (20.2) | 23/64" | (9.1) | 3.1 | (1.4) |
| HHN-1/2 | 1/2"-13 | 7/8" | (22.2) | 1 1/8" | (28.6) | 31/64" | (12.3) | 6.5 | (2.9) |
| HHN-5/8 | 5/8"-11 | 1 1/16" | (27.0) | 1 15/64" | (31.3) | 39/64" | (15.5) | 12.0 | (5.4) |
| HHN-3/4 | 3/4"-10 | 1 1/4" | (31.7) | 1 29/64" | (36.9) | 47/64" | (18.6) | 19.0 | (8.6) |
| HHN-7/8 | 7/8"-9 | 1 7/16" | (36.5) | 1 21/32" | (42.6) | 55/64" | (21.8) | 30.0 | (13.6) |

FW - Flat Washer

Size Range: 1/4"-20 thru 1"-8 rods

Material: Steel

Finish: Plain or Electro-Galvanized.

Contact customer service for alternative finishes and materials.

Order By: Part number size and finish



| Part Number | For Rod Size | Outside Diameter | | Approx. Wt./100 | |
|-------------|--------------|------------------|--------|-----------------|--------|
| | | in. | (mm) | lbs. | (kg) |
| FW-1/4 | 1/4"-20 | 3/4" | (19.0) | 0.7 | (0.3) |
| FW-3/8 | 3/8"-16 | 1" | (25.4) | 3.9 | (1.7) |
| FW-1/2 | 1/2"-13 | 1 3/8" | (34.9) | 6.7 | (3.0) |
| FW-5/8 | 5/8"-11 | 1 3/4" | (44.4) | 7.3 | (3.3) |
| FW-3/4 | 3/4"-10 | 2" | (50.8) | 11.0 | (5.0) |
| FW-7/8 | 7/8"-9 | 2 1/4" | (57.1) | 19.0 | (8.6) |
| FW-1 | 1"-8 | 2 1/2" | (69.8) | 22.0 | (10.0) |

LW - Lock Washer

Size Range: 1/4"-20 thru 1"-8 rods

Material: Steel

Finish: Plain or Electro-Galvanized.

Note: Available in Hot Dip Galvanized finish or Stainless Steel materials.

Order By: Part number size and finish



| Part Number | For Rod Size | Outside Diameter | | Approx. Wt./100 | |
|-------------|--------------|------------------|--------|-----------------|--------|
| | | in. | (mm) | lbs. | (kg) |
| LW-1/4 | 1/4"-20 | .49" | (12.4) | 0.3 | (0.13) |
| LW-3/8 | 3/8"-16 | .68" | (17.3) | 0.6 | (0.27) |
| LW-1/2 | 1/2"-13 | .88" | (22.3) | 1.3 | (0.59) |
| LW-5/8 | 5/8"-11 | 1.08" | (27.4) | 2.4 | (1.09) |
| LW-3/4 | 3/4"-10 | 1.27" | (32.2) | 3.8 | (1.72) |
| LW-7/8 | 7/8"-9 | 1.46" | (37.1) | 5.9 | (2.67) |
| LW-1 | 1"-8 | 1.66" | (42.1) | 8.8 | (3.99) |

FFW - Flat Fender Washer

Size Range: 3/8"-16 and 1/2"-13 rods

Material: Steel

Function: To provide a greater bearing surface than standard washer.

Finish: Plain or Electro-Galvanized.

Contact customer service for alternative finishes and materials.

Order By: Part number and size



| Part Number | For Rod Size | Inside Diameter | | Outside Diameter | | Approx. Wt./100 | |
|-------------|--------------|-----------------|--------|------------------|--------|-----------------|-------|
| | | in. | (mm) | in. | (mm) | lbs. | (kg) |
| FFW-3/8 | 3/8"-16 | 1/2" | (12.7) | 1 1/8" | (28.6) | 3.0 | (1.3) |
| FFW-1/2 | 1/2"-13 | 9/16" | (14.3) | 2" | (50.8) | 2.8 | (1.3) |

All dimensions in charts and on drawings are in inches. Dimensions shown in parentheses are in millimeters unless otherwise specified.

Threaded Accessories

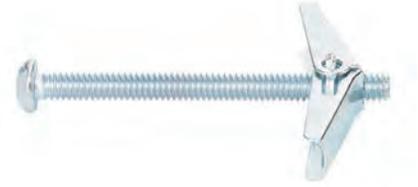
ATB - Toggle Bolt

Material: Steel

Function: Used with threaded rod in hollow walls

Finish: Electro-Galvanized

Order By: Part number and size



| Part Number | Rod Size | Drill Size | | Approx. Wt./100 | |
|-------------|----------|------------|--------|-----------------|-------|
| | | lbs. | (kg) | | |
| ATB-18-300 | 3/16"-24 | 1/2" | (12.7) | 3.8 | (1.7) |
| ATB-18-400 | 3/16"-24 | 1/2" | (12.7) | 4.4 | (2.0) |
| ATB-25-300 | 1/4"-20 | 5/8" | (15.9) | 6.6 | (3.0) |
| ATB-25-400 | 1/4"-20 | 5/8" | (15.9) | 7.8 | (3.5) |
| ATB-37-300 | 3/8"-16 | 7/8" | (22.2) | 15.6 | (7.1) |
| ATB-37-400 | 3/8"-16 | 7/8" | (22.2) | 17.6 | (8.0) |

AWA - Wedge Anchor

Material: Steel or Stainless Steel

Function: Designed for use in solid concrete and grout fill blocks

Finish: Electro-Galvanized

Order By: Part number and finish



| Part Number | Anchor Size | Thread Length | | Approx. Wt./100 | |
|-------------|----------------------------|---------------|---------|-----------------|--------|
| | | in. | (mm) | lbs. | (kg) |
| AWA-25-175 | 1/4"-20 x 1 3/4" (44.4mm) | 3/4" | (19.0) | 3.2 | (1.4) |
| AWA-25-225 | 1/4"-20 x 2 1/4" (44.4mm) | 1 1/4" | (31.7) | 3.7 | (1.7) |
| AWA-25-325 | 1/4"-20 x 3 1/4" (44.4mm) | 2 1/4" | (57.1) | 4.8 | (2.2) |
| AWA-37-225 | 3/8"-16 x 2 1/4" (44.4mm) | 1 1/4" | (31.7) | 9.4 | (4.2) |
| AWA-37-275 | 3/8"-16 x 2 3/4" (69.8mm) | 1 5/8" | (41.3) | 10.4 | (4.7) |
| AWA-37-300 | 3/8"-16 x 3" (76.2mm) | 1 7/8" | (47.6) | 11.4 | (5.2) |
| AWA-37-350 | 3/8"-16 x 3 1/2" (88.9mm) | 2 3/8" | (60.3) | 12.2 | (5.5) |
| AWA-37-375 | 3/8"-16 x 3 3/4" (95.2mm) | 2 5/8" | (66.7) | 13.2 | (6.0) |
| AWA-37-500 | 3/8"-16 x 5" (127.0mm) | 3 7/8" | (98.4) | 16.0 | (7.2) |
| AWA-50-275 | 1/2"-13 x 2 3/4" (69.8mm) | 1 3/8" | (34.9) | 19.0 | (8.6) |
| AWA-50-375 | 1/2"-13 x 3 3/4" (95.2mm) | 2 3/8" | (60.3) | 23.0 | (10.4) |
| AWA-50-450 | 1/2"-13 x 4 1/2" (114.3mm) | 3 1/8" | (79.4) | 26.6 | (12.0) |
| AWA-50-550 | 1/2"-13 x 5 1/2" (139.7mm) | 4 1/8" | (104.8) | 34.0 | (15.4) |
| AWA-50-700 | 1/2"-13 x 7" (177.8mm) | 5 5/8" | (142.9) | 38.0 | (17.2) |
| AWA-62-350 | 5/8"-11 x 3 1/2" (88.9mm) | 2" | (50.8) | 41.2 | (18.7) |
| AWA-62-450 | 5/8"-11 x 4 1/2" (114.3mm) | 3" | (76.2) | 47.6 | (21.6) |
| AWA-62-500 | 5/8"-11 x 5" (127.0mm) | 3 1/2" | (88.9) | 52.0 | (23.6) |
| AWA-62-600 | 5/8"-11 x 6" (152.4mm) | 4 1/2" | (114.3) | 58.8 | (26.7) |
| AWA-62-700 | 5/8"-11 x 7" (177.8mm) | 5 1/2" | (139.7) | 65.2 | (29.6) |

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