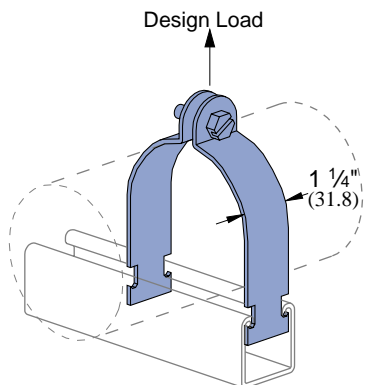


P1109 thru P1126

Pipe Clamps for Rigid Steel Conduit

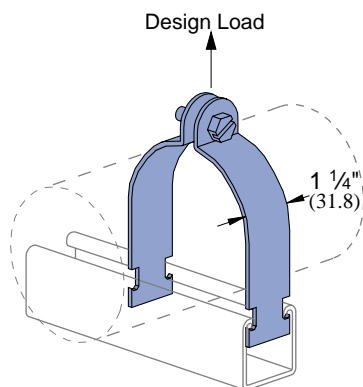


Slotted hex head screw and nut included.
Finish: Electro-galvanized.

| Part Number | Pipe Size In | O.D. Size In (mm) | Thickness Gauge (mm) | Wt/100 pcs Lbs (kg) | Design Load Lbs (kg) |
|-------------|--------------|-------------------|----------------------|---------------------|----------------------|
| P1109 | 3/8 | 0.675 17.1 | 16 1.5 | 10 4.5 | 400 181 |
| P1111 | 1/2 | 0.840 21.3 | 16 1.5 | 11 5.0 | 400 181 |
| P1112 | 3/4 | 1.050 26.7 | 14 1.9 | 15 6.8 | 600 272 |
| P1113 | 1 | 1.315 33.4 | 14 1.9 | 17 7.7 | 600 272 |
| P1114 | 1 1/4 | 1.660 42.2 | 14 1.9 | 19 8.6 | 600 272 |
| P1115 | 1 1/2 | 1.900 48.3 | 12 2.7 | 29 13.2 | 800 363 |
| P1117 | 2 | 2.375 60.3 | 12 2.7 | 34 15.4 | 800 363 |
| P1118 | 2 1/2 | 2.875 73.0 | 12 2.7 | 40 18.1 | 800 363 |
| P1119 | 3 | 3.500 88.9 | 12 2.7 | 47 21.3 | 800 363 |
| P1120 | 3 1/2 | 4.000 101.6 | 11 3.0 | 62 28.1 | 1,000 454 |
| P1121 | 4 | 4.500 114.3 | 11 3.0 | 67 30.4 | 1,000 454 |
| P1123 | 5 | 5.563 141.3 | 11 3.0 | 80 36.3 | 1,000 454 |
| P1124 | 6 | 6.625 168.3 | 10 3.4 | 102 46.3 | 1,000 454 |
| P1126 | 8 | 8.625 219.1 | 10 3.4 | 130 59.0 | 1,000 454 |

P1425 thru P1431

Pipe Clamps for Thin Wall Conduit (E.M.T.)

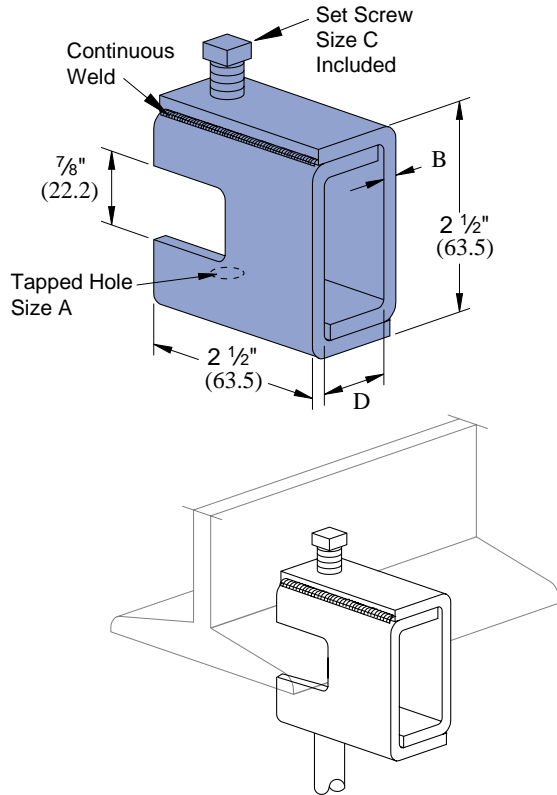


Slotted hex head screw and nut included.
Finish: Electro-galvanized.

| Part Number | Pipe Size In | O.D. Size In (mm) | Thickness Gauge (mm) | Wt/100 pcs Lbs (kg) | Design Load Lbs (kg) |
|-------------|--------------|-------------------|----------------------|---------------------|----------------------|
| P1425 | 3/8 | 0.577 14.7 | 16 1.5 | 9 4.1 | 400 181 |
| P1426 | 1/2 | 0.706 17.9 | 16 1.5 | 11 5.0 | 400 181 |
| P1427 | 3/4 | 0.922 23.4 | 16 1.5 | 12 5.4 | 400 181 |
| P1428 | 1 | 1.163 29.5 | 14 1.9 | 15 6.8 | 600 272 |
| P1429 | 1 1/4 | 1.510 38.4 | 14 1.9 | 18 8.2 | 600 272 |
| P1430 | 1 1/2 | 1.740 44.2 | 12 2.7 | 29 13.2 | 800 363 |
| P1431 | 2 | 2.197 55.8 | 12 2.7 | 33 15.0 | 800 363 |
| P1118 | 2 1/2 | 2.875 73.0 | 12 2.7 | 40 18.1 | 800 363 |
| P1119 | 3 | 3.500 88.9 | 12 2.7 | 47 21.3 | 800 363 |
| P1120 | 3 1/2 | 4.000 101.6 | 11 3.0 | 62 28.1 | 1,000 454 |
| P1121 | 4 | 4.500 114.3 | 11 3.0 | 67 30.4 | 1,000 454 |

15/8" Channel
Telesnut System
Nuts & Hardware
General Fittings
Pipe/Conduit Supports
Electrical Fittings
Concrete Inserts
1 1/2" Framing System
1 1/4" Framing System
1 3/8" Framing System
Fiberglass System
Special Metals
PrimeAngle System
Product Index

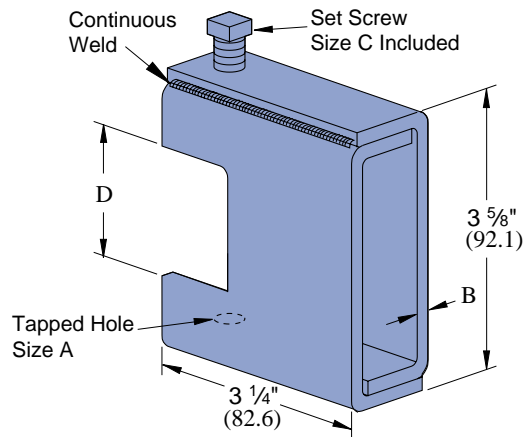
P1648S thru P1653S



| Part Number | "A" In | "B" In (mm) | "C" In | "D" In (mm) | Wt/100 pcs Lbs (kg) | Design Load Lbs (kg) |
|-------------|-----------|----------------|-------------|----------------|------------------------|-------------------------|
| P1648S | 1/4 -20 | 1/8 3.2 | 3/8 x 1 1/2 | 7/8 22.2 | 67 30.4 | 650 294.8 |
| P1649S | 5/16 -18 | 1/8 3.2 | 3/8 x 1 1/2 | 7/8 22.2 | 67 30.4 | 650 294.8 |
| P1649AS | 3/8 -16 | 1/8 3.2 | 3/8 x 1 1/2 | 7/8 22.2 | 67 30.4 | 650 294.8 |
| P1650S | 3/8 -16 | 3/16 4.8 | 1/2 x 1 1/2 | 15/16 23.8 | 100 45.4 | 1,100 499.0 |
| P1650AS | 1/2 -13 | 3/16 4.8 | 1/2 x 1 1/2 | 15/16 23.8 | 100 45.4 | 1,100 499.0 |
| P1651S | 1/2 -13 | 1/4 6.4 | 1/2 x 1 1/2 | 15/16 23.8 | 130 59.0 | 1,600 725.7 |
| P1651AS | 5/8 -11 | 1/4 6.4 | 1/2 x 1 1/2 | 15/16 23.8 | 130 59.0 | 1,600 725.7 |
| P1652S | 5/8 -11 | 5/16 7.9 | 5/8 x 1 1/2 | 15/16 33.3 | 160 72.6 | 2,400 1,088.6 |
| P1653S | 3/4 -10 | 5/16 7.9 | 5/8 x 1 1/2 | 15/16 33.3 | 160 72.6 | 2,400 1,088.6 |

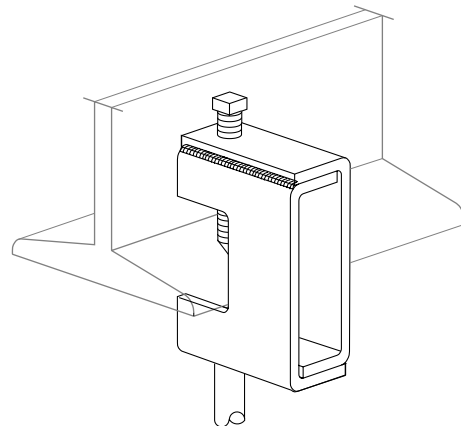
For beams under 7/8" (22.2) thick flange.

P2398S, P2401S, P2403S



| Part Number | "A" In | "B" In (mm) | "C" In | "D" In (mm) | Wt/100 pcs Lbs (kg) | Design Load Lbs (kg) |
|-------------|-----------|----------------|-----------|-----------------|------------------------|-------------------------|
| P2398S | 1/4 -20 | 1/8 3.2 | 3/8 x 2 | 1 21/32 42.1 | 109 49.4 | 800 362.9 |
| P2401S | 3/8 -16 | 3/16 4.8 | 1/2 x 2 | 1 11/16 42.9 | 156 70.8 | 1,300 589.7 |
| P2403S | 1/2 -13 | 1/4 6.4 | 1/2 x 2 | 1 11/16 42.9 | 201 91.2 | 1,900 861.8 |

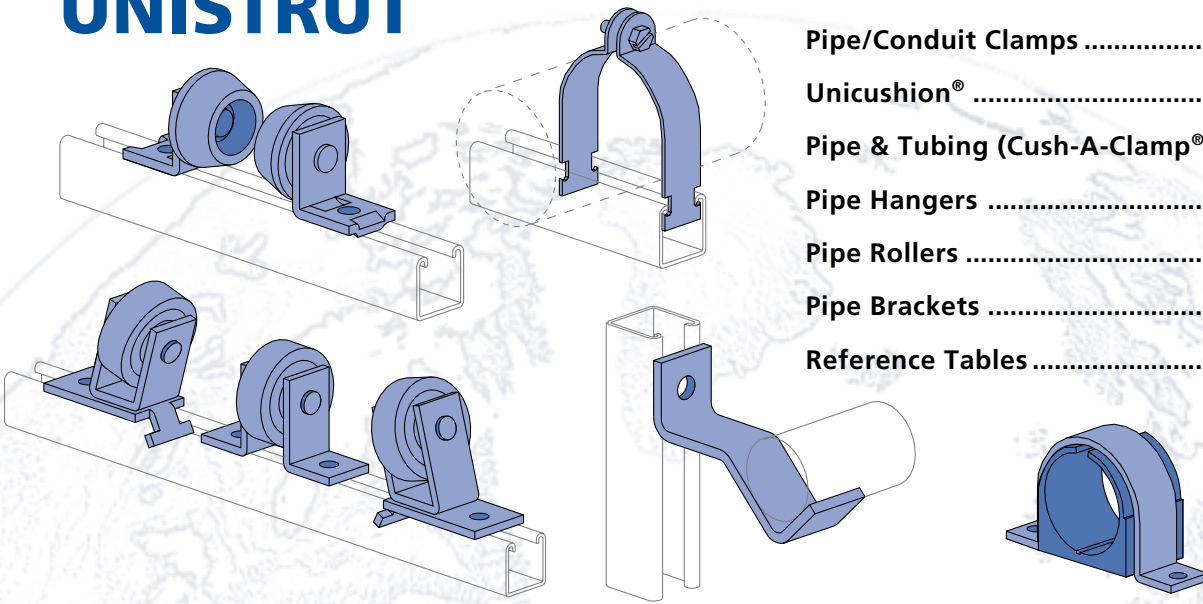
For beams between 3/4" (19.1) to 1 1/8" (41.3) thick flanges.





UNISTRUT®

PIPE/CONDUIT SUPPORTS



| | |
|--------------------------------------------|-----|
| Pipe/Conduit Clamps | 139 |
| Unicushion® | 144 |
| Pipe & Tubing (Cush-A-Clamp®) Clamps | 146 |
| Pipe Hangers | 149 |
| Pipe Rollers | 150 |
| Pipe Brackets | 153 |
| Reference Tables | 154 |

MATERIAL

Unistrut pipe clamps, unless noted, are punch-press made from hot-rolled, pickled and oiled steel plates, strip or coil, and conform to ASTM specifications A1008, A575, A576, A635, or A36. The fitting steel also meets the physical requirements of ASTM A1011 SS GR 33. The pickling of the steel produces a smooth surface free from scale.

Many items are also available in stainless steel. Consult factory for ordering information.

FINISHES

Pipe supports are available in:

- Electro-galvanized (EG), conforming to ASTM B633 Type III SC1
- Hot-dipped galvanized (HG), conforming to ASTM A123 or A153 (hardware)
- Perma-Green II (GR), and plain (PL).

APPLICATION

Unistrut pipe clamps, pipe hangers, brackets and rollers are designed for the support of electrical and mechanical services. Supports to meet nearly every requirement can be attained using Unistrut Metal Framing components.

DIMENSIONS

Imperial dimensions are illustrated in inches. Metric dimensions are shown in parenthesis or as noted. Unless noted, all metric dimensions are in millimeters and rounded to one decimal place.

DESIGN BOLT TORQUE

| BOLT SIZE | 1/4" | 5/16" | 3/8" | 1/2" | 5/8" | 3/4" |
|-----------|------|-------|------|------|------|------|
| FOOT LBS. | 6 | 11 | 19 | 50 | 100 | 125 |
| N·m | 8 | 15 | 25 | 70 | 135 | 170 |

Note: When tightening 1/4" screws used with a two piece pipe clamp, a torque of 5 foot pounds (60 inch-pounds) should be used.

DESIGN LOAD

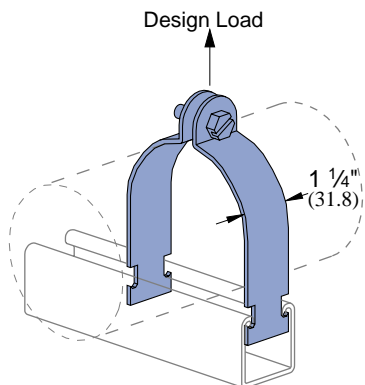
Design load data, where shown, is based on the ultimate strength of the connection with a safety factor of 5.0, unless otherwise noted.

Pipe Clamps In Special Materials (P1109, P1211, P1425, P2024 Series)

| Material | Add Suffix to P/N | Example |
|--------------------------------------|-------------------|----------|
| Steel Strap, Everdur Hardware | E | P1109 E |
| Copper Coated Steel Strap & Hardware | CC | P1109 CC |
| Aluminum | AL | P1109 AL |
| Stainless Steel 304 or 316 | SS or ST | P1109 SS |
| Plastic Coated Steel Straps | PC | P1109 PC |

P1109 thru P1126

Pipe Clamps for Rigid Steel Conduit

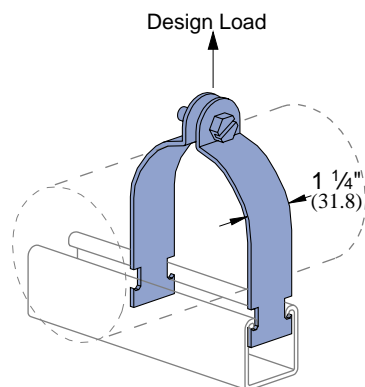


Slotted hex head screw and nut included.
Finish: Electro-galvanized.

| Part Number | Pipe Size In | O.D. Size In (mm) | Thickness Gauge (mm) | Wt/100 pcs Lbs (kg) | Design Load Lbs (kg) |
|-------------|--------------|-------------------|----------------------|---------------------|----------------------|
| P1109 | 3/8 | 0.675 17.1 | 16 1.5 | 10 4.5 | 400 181 |
| P1111 | 1/2 | 0.840 21.3 | 16 1.5 | 11 5.0 | 400 181 |
| P1112 | 3/4 | 1.050 26.7 | 14 1.9 | 15 6.8 | 600 272 |
| P1113 | 1 | 1.315 33.4 | 14 1.9 | 17 7.7 | 600 272 |
| P1114 | 1 1/4 | 1.660 42.2 | 14 1.9 | 19 8.6 | 600 272 |
| P1115 | 1 1/2 | 1.900 48.3 | 12 2.7 | 29 13.2 | 800 363 |
| P1117 | 2 | 2.375 60.3 | 12 2.7 | 34 15.4 | 800 363 |
| P1118 | 2 1/2 | 2.875 73.0 | 12 2.7 | 40 18.1 | 800 363 |
| P1119 | 3 | 3.500 88.9 | 12 2.7 | 47 21.3 | 800 363 |
| P1120 | 3 1/2 | 4.000 101.6 | 11 3.0 | 62 28.1 | 1,000 454 |
| P1121 | 4 | 4.500 114.3 | 11 3.0 | 67 30.4 | 1,000 454 |
| P1123 | 5 | 5.563 141.3 | 11 3.0 | 80 36.3 | 1,000 454 |
| P1124 | 6 | 6.625 168.3 | 10 3.4 | 102 46.3 | 1,000 454 |
| P1126 | 8 | 8.625 219.1 | 10 3.4 | 130 59.0 | 1,000 454 |

P1425 thru P1431

Pipe Clamps for Thin Wall Conduit (E.M.T.)

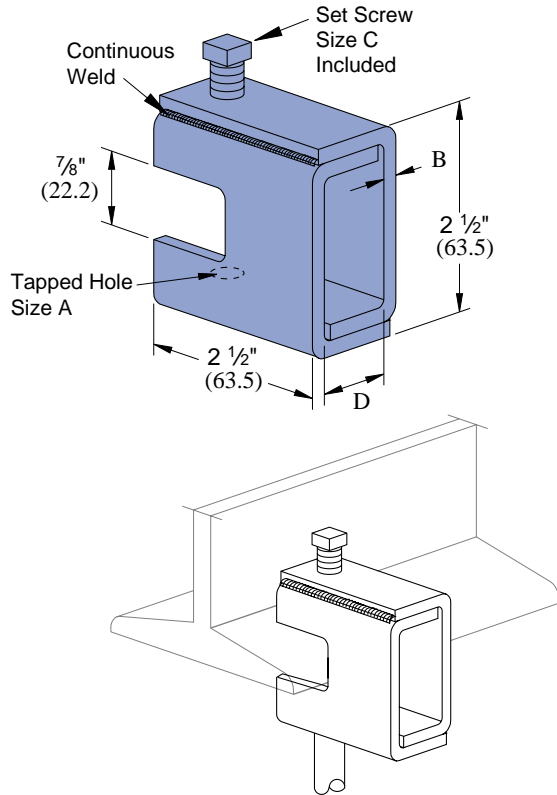


Slotted hex head screw and nut included.
Finish: Electro-galvanized.

| Part Number | Pipe Size In | O.D. Size In (mm) | Thickness Gauge (mm) | Wt/100 pcs Lbs (kg) | Design Load Lbs (kg) |
|-------------|--------------|-------------------|----------------------|---------------------|----------------------|
| P1425 | 3/8 | 0.577 14.7 | 16 1.5 | 9 4.1 | 400 181 |
| P1426 | 1/2 | 0.706 17.9 | 16 1.5 | 11 5.0 | 400 181 |
| P1427 | 3/4 | 0.922 23.4 | 16 1.5 | 12 5.4 | 400 181 |
| P1428 | 1 | 1.163 29.5 | 14 1.9 | 15 6.8 | 600 272 |
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| P1120 | 3 1/2 | 4.000 101.6 | 11 3.0 | 62 28.1 | 1,000 454 |
| P1121 | 4 | 4.500 114.3 | 11 3.0 | 67 30.4 | 1,000 454 |

15/8" Channel
Telesrnut System
Nuts & Hardware
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Electrical Fittings
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1 1/2" Framing System
1 1/4" Framing System
1 3/8" Framing System
Fiberglass System
Special Metals
PrimeAngle System
Product Index

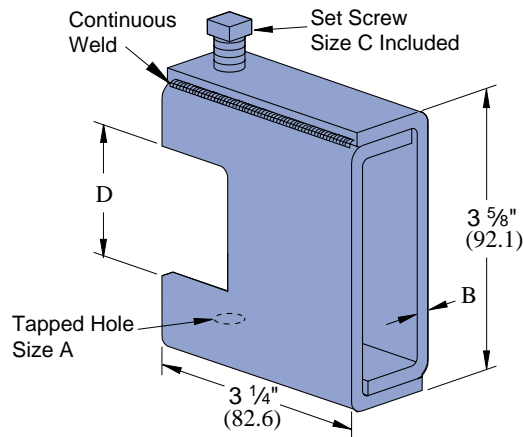
P1648S thru P1653S



| Part Number | "A" In | "B" In (mm) | "C" In | "D" In (mm) | Wt/100 pcs Lbs (kg) | Design Load Lbs (kg) |
|-------------|----------|-------------|-------------|-------------|---------------------|----------------------|
| P1648S | 1/4 -20 | 1/8 3.2 | 3/8 x 1 1/2 | 7/8 22.2 | 67 30.4 | 650 294.8 |
| P1649S | 5/16 -18 | 1/8 3.2 | 3/8 x 1 1/2 | 7/8 22.2 | 67 30.4 | 650 294.8 |
| P1649AS | 3/8 -16 | 1/8 3.2 | 3/8 x 1 1/2 | 7/8 22.2 | 67 30.4 | 650 294.8 |
| P1650S | 3/8 -16 | 3/16 4.8 | 1/2 x 1 1/2 | 15/16 23.8 | 100 45.4 | 1,100 499.0 |
| P1650AS | 1/2 -13 | 3/16 4.8 | 1/2 x 1 1/2 | 15/16 23.8 | 100 45.4 | 1,100 499.0 |
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| P1652S | 5/8 -11 | 5/16 7.9 | 5/8 x 1 1/2 | 15/16 33.3 | 160 72.6 | 2,400 1,088.6 |
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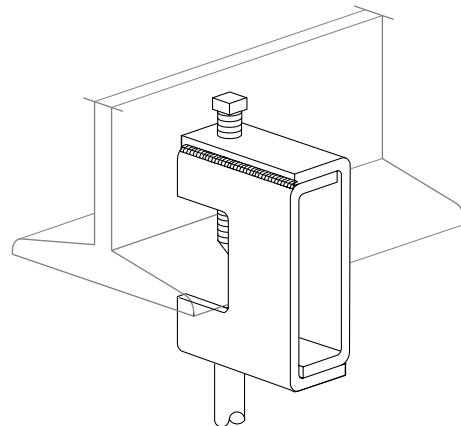
For beams under 7/8" (22.2) thick flange.

P2398S, P2401S, P2403S



| Part Number | "A" In | "B" In (mm) | "C" In | "D" In (mm) | Wt/100 pcs Lbs (kg) | Design Load Lbs (kg) |
|-------------|---------|-------------|---------|--------------|---------------------|----------------------|
| P2398S | 1/4 -20 | 1/8 3.2 | 3/8 x 2 | 1 21/32 42.1 | 109 49.4 | 800 362.9 |
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| P2403S | 1/2 -13 | 1/4 6.4 | 1/2 x 2 | 1 11/16 42.9 | 201 91.2 | 1,900 861.8 |

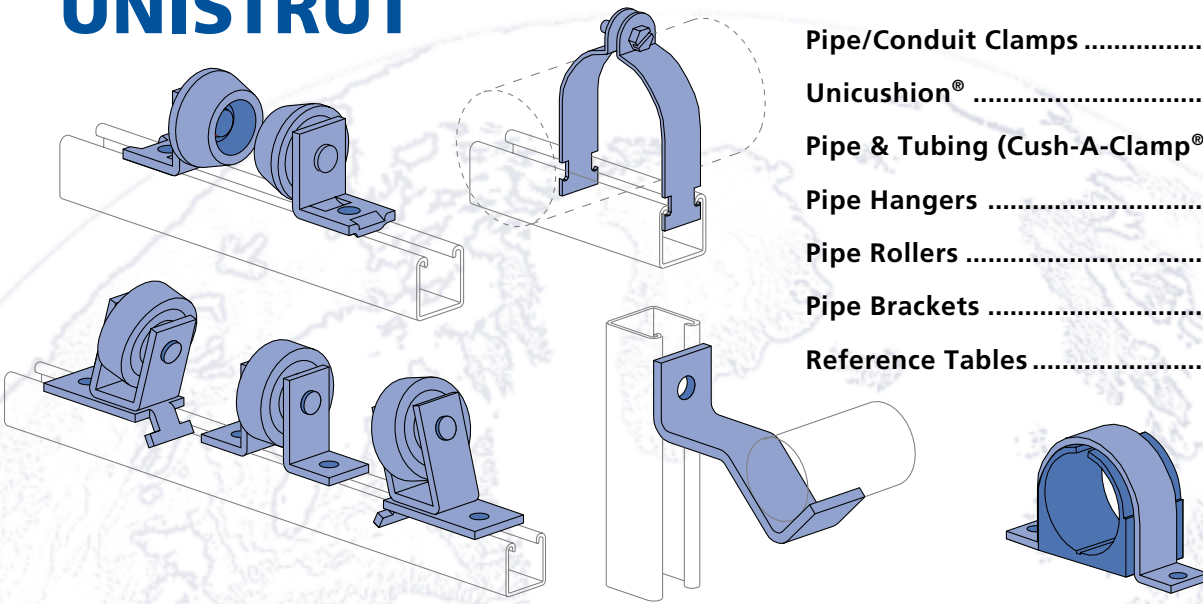
For beams between 3/4" (19.1) to 1 1/8" (41.3) thick flanges.





UNISTRUT®

PIPE/CONDUIT SUPPORTS



| | |
|--------------------------------------------|-----|
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- Perma-Green II (GR), and plain (PL).

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DESIGN BOLT TORQUE

| BOLT SIZE | 1/4" | 5/16" | 3/8" | 1/2" | 5/8" | 3/4" |
|-----------|------|-------|------|------|------|------|
| FOOT LBS. | 6 | 11 | 19 | 50 | 100 | 125 |
| N·m | 8 | 15 | 25 | 70 | 135 | 170 |

Note: When tightening 1/4" screws used with a two piece pipe clamp, a torque of 5 foot pounds (60 inch-pounds) should be used.

DESIGN LOAD

Design load data, where shown, is based on the ultimate strength of the connection with a safety factor of 5.0, unless otherwise noted.

Pipe Clamps In Special Materials (P1109, P1211, P1425, P2024 Series)

| Material | Add Suffix to P/N | Example |
|--------------------------------------|-------------------|----------|
| Steel Strap, Everdur Hardware | E | P1109 E |
| Copper Coated Steel Strap & Hardware | CC | P1109 CC |
| Aluminum | AL | P1109 AL |
| Stainless Steel 304 or 316 | SS or ST | P1109 SS |
| Plastic Coated Steel Straps | PC | P1109 PC |