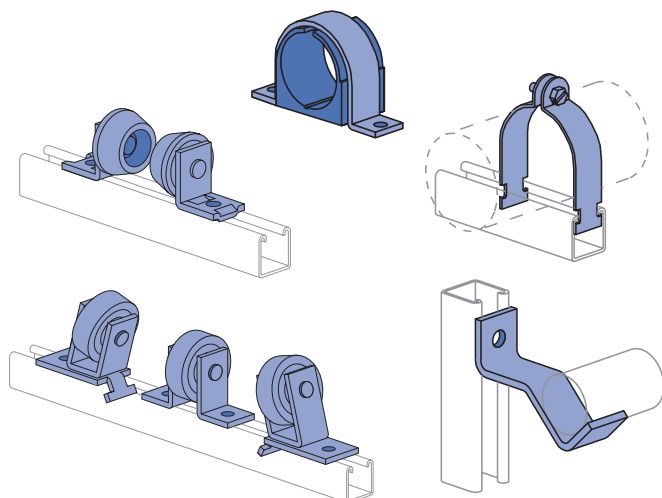


PIPE/CONDUIT SUPPORTS



MATERIAL

Unistrut pipe clamps, unless noted, are punch-press made from hot-rolled, pickled and oiled steel plates, strip, bar or coil, and conform to one or more of the following specifications: ASTM A1008, A575, A576, A635, A1011 SS GR 33, A1011 HSLAS GR 45, A1046 or A36. The fitting steel also meets the or exceeds the physical properties of ASTM A1011 GR 33. The pickling of the steel produces a smooth surface free from scale.

Many items are also available in stainless steel, aluminum and fiberglass.

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)
- Green Powder Coat (GR), conforming to commercial standards for Powder Coating, and plain (PL)
- Unistrut Defender (DF), conforming to ASTM A1059 or A1046

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.

Pipe/Conduit Clamps	108 - 111
Unicushion®	112
Pipe & Tubing (Cush-A-Clamp®) Clamps	113 - 115
Pipe & Tubing (Cush-A-Grip® & Cush-A-Therm™) Clamps.....	116
Pipe Hangers	117
Pipe Rollers.....	117 - 119
Pipe Brackets	119
Reference Tables	120 - 126

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"-20	5/16"-18	3/8"-16	1/2"-13	5/8"-11	3/4"-10
Rec.Torque Ft/Lbs (N•m)	6 (8)	11 (15)	19 (26)	50 (68)	100 (136)	125 (170)
Max Torque Ft/Lbs (N•m)	7 (9)	15 (20)	25 (34)	70 (95)	125 (170)	135 (183)

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.

When used for mechanical supports, load capacities of brackets, fittings and other supporting elements should be in compliance with the American Standard Code for Pressure Piping.

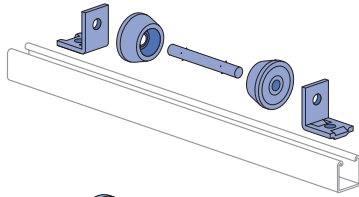
Pipe Clamps In Special Materials (P1109, P1211, P1425, P2024 Series)

Material/Finish	Part Number Suffix	Pipe Clamp Material / Finish	Fasteners (Screw & Nut) Material / Finish	Example
Electro-galvanized	EG	EG	EG	P1109 EG
Hot-dipped galvanized	HG	HG	SS	P1109 HG
Unistrut Defender	DF	DF	DF	P1109 DF
Stainless Steel Type 304	SS	SS	SS	P1109 SS
Stainless Steel Type 316	ST	ST	SS	P1109 ST
Aluminum	AL	AL	AL	P1109 AL
Copper Coated	CC	CC	CC	P1109 CC
Everdur	E EG	EG	E	P1109E EG



P2474-1 THRU P2474-4

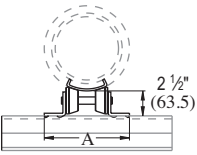
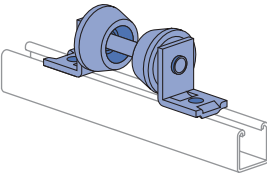
PIPE ROLLER FOR 1" - 8" PIPE EG GR



Parts are shipped loose and are easily assembled during installation.

Design Load
750 Lbs (3.34 kN)

Part Number	A In (mm)	Wt/100 pcs Lbs (kg)
P2474-1	6 3/4 171.5	299 135.6
P2474-2	7 1/2 190.5	304 137.9
P2474-3	8 1/2 215.9	311 141.1
P2474-4	9 9/16 242.9	319 144.7



Saddle by others.

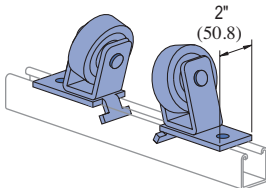
- Pipe roller will fit standard saddles.
- Select proper roller from chart.
- Requires 2 each 1/2" x 15/16" bolts and 1/2" channel nuts per assembly. Sold separately.

Chart for Roller Part Number Selection

Pipe Size In	No Insulation	Insulation Thickness					
		1" (25.4)	1 1/2" (38.1)	2" (50.8)	2 1/2" (63.5)	3" (76.2)	4" (101.6)
1/2	P2474-1	P2474-1	P2474-1	P2474-2	-	-	-
3/4	P2474-1	P2474-1	P2474-1	P2474-2	-	-	-
1	P2474-1	P2474-1	P2474-1	P2474-2	-	-	-
1 1/4	P2474-1	P2474-1	P2474-1	P2474-2	-	-	-
1 1/2	P2474-1	P2474-1	P2474-2	P2474-2	P2474-2	-	-
2	P2474-1	P2474-1	P2474-2	P2474-2	P2474-2	-	-
2 1/2	P2474-1	P2474-1	P2474-2	P2474-2	P2474-2	-	-
3	P2474-1	P2474-2	P2474-2	P2474-3	P2474-3	P2474-3	-
3 1/2	P2474-1	P2474-2	P2474-2	P2474-3	P2474-3	P2474-3	-
4	P2474-1	P2474-2	P2474-2	P2474-3	P2474-3	P2474-3	-
5	P2474-2	P2474-3	P2474-3	P2474-3	P2474-3	P2474-4	P2474-4
6	P2474-2	P2474-3	P2474-3	P2474-3	P2474-3	P2474-4	P2474-4
8	P2474-2	P2474-3	P2474-4	P2474-4	P2474-4	P2474-4	P2474-4

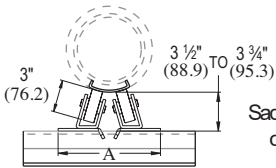
P2475

PIPE ROLLER FOR 6" - 16" PIPE EG GR



Material: Cast iron rollers.
• Requires 2 each 1/2" x 15/16" bolts and 1/2" channel nuts per assembly. Sold separately.

Sold in pairs.



Saddle by others.

Design Load
1500 Lbs (6.67 kN)

Wt/100 pcs: 680 Lbs (308.4 kg)

Chart for Dimension A

Pipe Size In	No Insulation In (mm)	Insulation Thickness					
		1" In (mm)	1 1/2" In (mm)	2" In (mm)	2 1/2" In (mm)	3" In (mm)	4" In (mm)
6	9 1/2 241.3	10 3/4 260.4	10 1/2 266.7	10 3/4 273	11 279.4	11 3/8 288.9	11 7/8 301.6
8	10 3/8 257.2	*	11 279.4	11 3/8 288.9	11 3/4 298.5	12 304.8	12 1/2 317.5
10	10 3/4 273.1	*	11 3/8 295.3	12 304.8	12 1/4 311.2	12 1/2 317.5	13 330.2
12	11 1/4 285.8	*	12 1/8 308.0	12 1/2 317.5	12 3/4 323.9	13 330.2	13 1/2 342.9
14	11 3/4 295.3	*	12 3/4 317.5	12 3/4 327.0	13 330.2	13 3/8 339.7	14 355.6
16	12 1/8 308.0	*	13 330.2	13 3/8 339.7	13 3/8 352.4	14 355.6	14 1/2 368.3

(*Not used for this size)

Standard Dimensions for 1 1/2" (41.3mm) width series channel fittings (Unless Otherwise Shown on Drawing)

Hole Diameter: 9/16" (14.3mm); Hole Spacing - From End: 1 3/16" (20.6mm); Hole Spacing - On Center: 1 7/8" (47.6mm); Width: 1 5/8" (41.3mm); Thickness: 1/4" (6.4mm)