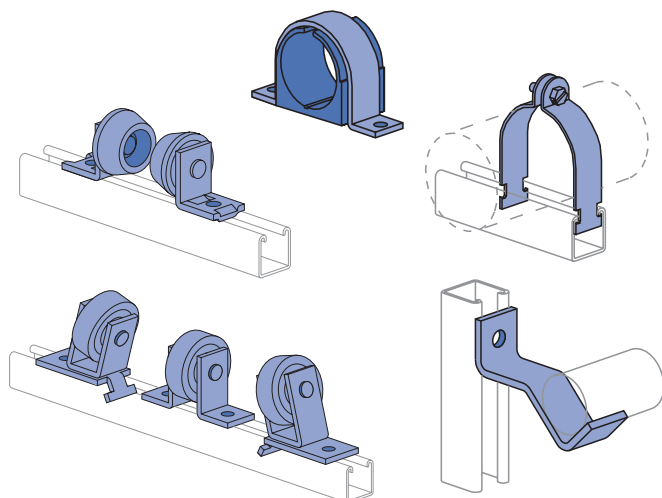


PIPE/CONDUIT SUPPORTS



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
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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.

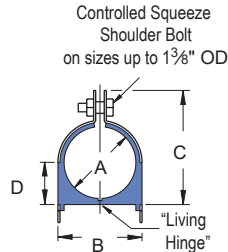
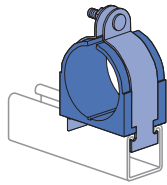
When used for mechanical supports, load capacities of brackets, fittings and other supporting elements should be in compliance with the American Standard Code for Pressure Piping.

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

004T008 THRU 098N106, 009N012 THRU 106N114

CUSH-A-CLAMP® ASSEMBLY 



Materials:

Clamp: Electro-galvanized or stainless steel.
Cushion: Thermoplastic elastomer. (UV Resistant)

Includes cushion, clamp and hardware.

Temperature Rating:

-50°F to +275°F (-45°C to +135°C)

Insert Width: 1.56" (39.6)

Part Numbers are "coded" to designate cushion size and clamp size. Examples:

- 004T008** 004 - Cushion Size 1/16" (6.4)
T - With Controlled Squeeze Shoulder Bolt
Available on sizes up to 1 3/8"
008 - Clamp Size 3/8" (12.7)
- 009N012** 009 - Cushion Size 3/16" (14.3)
N - With Standard Bolt
012 - Clamp Size 1/2" (19.1)

Pipe Series Assembly

Part No.	Nominal Pipe Size	"A" In(mm)	"B" In(mm)	"C" In(mm)	"D" In(mm)	Wt/100 pcs Lbs(kg)
009N012	1/4	0.54 13.7	0.98 24.9	1.34 34.0	0.43 10.9	13 5.9
011N014	3/8	0.67 17.0	1.13 28.7	1.54 39.1	0.49 12.4	14 6.4
014N018	1/2	0.84 21.3	1.29 32.8	1.82 46.2	0.58 14.7	15 6.8
017N022	3/4	1.05 26.7	1.5 38.1	1.95 49.5	0.7 17.8	17 7.7
021N026	1	1.31 33.3	1.76 44.7	2.34 59.4	0.81 20.6	19 8.6
027N032	1 1/4	1.66 42.2	2.17 55.1	2.73 69.3	0.99 25.1	35 15.9
030N034*	1 1/2	1.9 48.3	2.35 59.7	2.86 72.6	1.09 27.7	39 17.7
038N044	2	2.37 60.2	2.82 71.6	3.67 93.2	1.41 35.8	49 22.2
046N052	2 1/2	2.87 72.9	3.32 84.3	4.17 105.9	1.66 42.2	57 25.9
056N062	3	3.5 88.9	3.95 100.3	4.79 121.7	1.97 50.0	55 24.9
064N072	3 1/2	4 101.6	4.45 113.0	5.42 137.7	2.28 57.9	88 39.9
072N080	4	4.5 114.3	4.95 125.7	5.92 150.4	2.53 64.3	110 49.9
089N096	5	5.56 141.2	6.01 152.7	6.92 175.8	3.06 77.7	130 59.0
106N114	6	6.62 168.1	7.07 179.6	8.23 209.0	3.59 91.2	140 63.5

Tube Series Assembly

Part Number	Copper & Steel Tube O. D. Size	Copper Water Pipe (Nominal)	"A" In(mm)	"B" In(mm)	"C" In(mm)	"D" In(mm)	Wt/100 pcs Lbs(kg)
004T008	1/4		0.25 6.4	0.62 15.7	0.98 24.9	0.27 6.9	10 4.5
006T010	3/8	1/4	0.37 9.4	0.82 20.8	1.13 28.7	0.33 8.4	11 5.0
008T012	1/2	3/8	0.5 12.7	0.94 23.9	1.34 34.0	0.4 10.2	13 5.9
010T014	5/8	1/2	0.62 15.7	1.06 26.9	1.54 39.1	0.46 11.7	14 6.4
012T016	3/4	5/8	0.75 19.1	1.2 30.5	1.68 42.7	0.52 13.2	14 6.4
014T018	7/8	3/4	0.87 22.1	1.31 33.3	1.82 46.2	0.58 14.7	15 6.8
016T020	1		1 25.4	1.44 36.6	1.95 49.5	0.65 16.5	17 7.7
018T022	1 1/8	1	1.12 28.4	1.57 39.9	2.08 52.8	0.7 17.8	18 8.2
020T024	1 1/4		1.25 31.8	1.7 43.2	2.21 56.1	0.77 19.6	18 8.2
022T026	1 3/8	1 1/4	1.37 34.8	1.82 46.2	2.34 59.4	0.83 21.1	20 9.1
024N028	1 1/2		1.5 38.1	1.95 49.5	2.47 62.7	0.9 22.9	33 15.0
026N030	1 5/8	1 1/2	1.62 41.1	2.07 52.6	2.6 66.0	0.96 24.4	35 15.9
028N032	1 3/4		1.75 44.5	2.2 55.9	2.73 69.3	1.02 25.9	37 16.8
030N034	1 7/8		1.9 48.3	2.35 59.7	2.86 72.6	1.09 27.7	39 17.7
032N036	2		2 50.8	2.45 62.2	3.04 77.2	1.15 29.2	46 20.9
034N040	2 1/8	2	2.12 53.8	2.57 65.3	3.23 82.0	1.27 32.3	47 21.3
038N044	2 3/8		2.37 60.2	2.82 71.6	3.67 93.2	1.41 35.8	49 22.2
040N046	2 1/2		2.5 63.5	2.94 74.7	3.79 96.3	1.46 37.1	51 23.1
042N048	2 7/8	2 1/2	2.62 66.5	3.1 78.0	3.92 99.6	1.53 38.9	55 24.9
046N052	2 3/4		2.87 72.9	3.3 84.3	4.17 105.9	1.66 42.2	57 25.9
050N054	3		3 76.2	3.6 90.7	4.42 112.3	1.78 45.2	60 27.2
050N056	3 1/8	3	3.12 79.2	3.6 90.7	4.42 112.3	1.78 45.2	60 27.2
053N060	3 1/4		3.31 84.1	4.0 100.6	4.75 120.7	1.9 48.3	62 28.1
056N062	3 1/2		3.5 88.9	4.0 100.3	4.79 121.7	1.97 50.0	55 24.9
058N064	3 3/4	3 1/2	3.62 91.9	4.2 106.7	4.99 126.7	2.03 51.6	70 31.8
064N072	4		4 101.6	4.5 113.0	5.42 137.7	2.28 57.9	88 39.9
066N074	4 1/8	4	4.12 104.6	4.6 116.1	5.54 140.7	2.34 59.4	94 42.6
069N076	4 3/8		4.34 110.2	5.0 126.0	5.84 148.3	2.4 61.0	100 45.4
072N080	4 1/2		4.5 114.3	5.0 125.7	5.92 150.4	2.53 64.3	110 49.9
082N090	5 1/8	5	5.12 130.0	5.6 141.5	6.54 166.1	2.84 72.1	125 56.7
098N106	6 1/8	6	6.12 155.4	6.6 166.9	7.54 191.5	3.34 84.8	130 59.0

1 1/2" Channel

Telestrut

Nuts & Hardware

General Fittings

Pipe/Conduit Supports

Electrical Fittings

Concrete Inserts

Solar

Unipier®