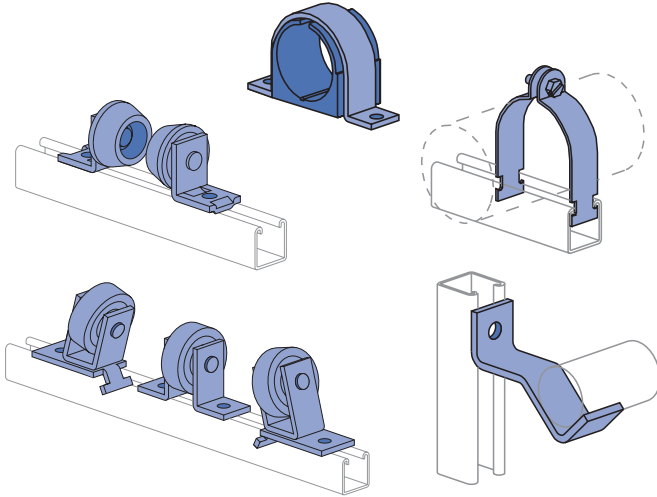


PIPE/CONDUIT SUPPORTS



Pipe/Conduit Clamps	108 - 111
Unicushion®	112
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Pipe & Tubing (Cush-A-Grip® & Cush-A-Therm™) Clamps.....	116
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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.

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	¼"-20	⅝"-18	⅜"-16	½"-13	⅝"-11	¾"-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 ¼" 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.

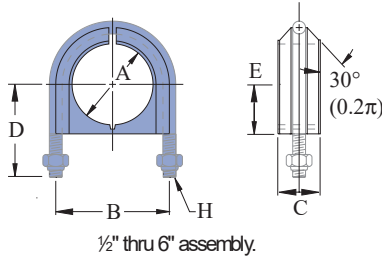
When used for mechanical supports, load capacities of brackets, fittings and other supporting elements should be in compliance with the American Standard Code for Pressure Piping.

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

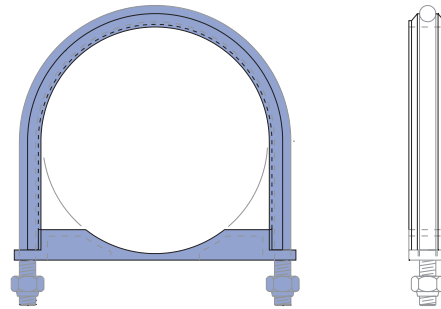
Material/Finish	Part Number Suffix	Pipe Clamp Material / Finish	Fasteners (Screw & Nut) Material / Finish	Example
Electro-galvanized	EG	EG	EG	P1109 EG
Hot-dipped galvanized	HG	HG	SS	P1109 HG
Unistrut Defender	DF	DF	DF	P1109 DF
Stainless Steel Type 304	SS	SS	SS	P1109 SS
Stainless Steel Type 316	ST	ST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

UB½PA THRU UB12PA

CUSH-A-CLAMP® ASSEMBLY U-BOLT SERIES **LEG**



½" thru 6" assembly.



8" thru 12" assembly.

Includes: U bolt, cushion, and hardware.

Materials:

U Bolt: Electro-galvanized finish or Type 316 SS

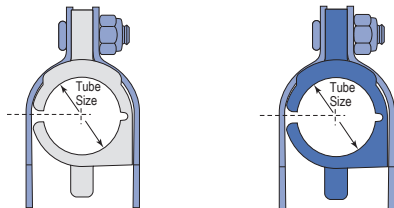
Cushion: Thermoplastic elastomer.

Note: Not intended for use with metal framing components due to the length of the thread.

Part Number	Pipe Size (Nominal) In (mm)	Dimensions							W/100 pcs Lbs (kg)
		"A" In (mm)	"B" In (mm)	"C" In (mm)	"D" In (mm)	"E" In (mm)	"F" In (mm)	H	
UB1/2PA	½	0.84	1.6	0.68	1.5	1	¼	¼-20 UNC-2B	9
	12.7	21.3	40.6	17.3	38.1	17.0	6.4		4.1
UB3/4PA	¾	1.1	1.8	0.7	1.6	0.8	¼	¼-20 UNC-2B	10
	19.1	26.7	45.7	17.3	40.6	19.8	6.4		4.5
UB1PA	1	1.3	2.1	0.7	1.7	0.9	¼	¼-20 UNC-2B	12
	25.4	33.3	52.1	17.3	43.2	23.1	6.4		5.4
UB1¼4PA	1¼	1.7	2.5	1.2	2.1	1.1	⅜	⅜-16 UNC-2B	36
	31.8	42.2	64.5	31.5	53.3	27.4	9.5		16.3
UB1½2PA	1½	1.9	2.8	1.2	2.2	1.2	⅜	⅜-16 UNC-2B	32
	38.1	48.3	70.6	31.5	55.9	30.2	9.5		14.5
UB2PA	2	2.4	3.3	1.2	2.5	1.5	⅜	⅜-16 UNC-2B	42
	50.8	60.2	84.3	31.5	63.5	36.8	9.5		19.1
UB2½2PA	2½	2.9	3.9	1.2	3.0	1.7	½	½-13 UNC-2B	72
	63.5	72.9	98.6	31.5	76.2	42.9	12.7		32.7
UB3PA	3	3.5	4.5	1.2	3.3	2.0	½	½-13 UNC-2B	84
	76.2	88.9	114.3	31.5	83.8	50.8	12.7		38.1
UB3½2PA	3½	4.0	5.0	1.2	3.7	2.3	½	½-13 UNC-2B	93
	88.9	101.6	127.0	31.5	94.0	57.2	12.7		42.2
UB4PA	4	4.5	5.5	1.2	3.9	2.5	½	½-13 UNC-2B	102
	101.6	114.3	139.7	31.5	99.1	63.5	12.7		46.3
UB5PA	5	5.6	6.6	1.2	4.5	3.0	½	½-13 UNC-2B	123
	127.0	141.2	167.4	31.5	114.3	77.0	12.7		55.8
UB6PA	6	6.6	7.8	1.4	5.4	3.6	⅝	⅝-11 UNC-2B	123
	152.4	168.1	198.4	36.6	137.2	90.4	15.9		55.8
UB8PA	8	8.6	9.8	1.4	6.4	4.6	⅝	⅝-11 UNC-2B	243
	203.2	218.9	249.9	36.6	162.6	115.8	15.9		110.2
UB10PA	10	10.8	12.3	1.7	7.7	5.7	¾	¾-10 UNC-2B	492
	254.0	273.1	311.2	41.9	195.6	144.3	19.1		223.2
UB12PA	12	12.8	14.3	1.7	8.7	6.7	¾	¾-10 UNC-2B	563
	304.8	323.9	362.0	41.9	221.0	169.7	19.1		255.4

CUSH-A-NATOR®

STEEL



The Cush-A-Nator cushion is made from a new extremely durable thermoplastic rubber that resists high heat and provides longer life against vibration fatigue.

Part Number	Clamp Material	Size
CN04	Steel	1/4"
CN26	Steel	1-5/8"
CN24	Steel	1-1/2"
CN22	Steel	1-3/8"
CN18	Steel	1-1/8"
CN16	Steel	1"
CN14	Steel	7/8"
CN12	Steel	3/4"
CN10	Steel	5/8"
CN08	Steel	1/2"
CN06	Steel	3/8"
CN34	Steel	1-1/8"

Part Number	Clamp Material	Size
HT04	Steel	1/4"
HT26	Steel	1-5/8"
HT24	Steel	1-1/2"
HT22	Steel	1-3/8"
HT18	Steel	1-1/8"
HT16	Steel	1"
HT14	Steel	7/8"
HT10	Steel	5/8"
HT08	Steel	1/2"
HT06	Steel	3/8"
HT34	Steel	2-1/8"