

Pipe Clamps

B3144 - Standard Double Bolt Pipe Clamp

Size Range: — 1/2" (15mm) thru 36" (900mm) pipe.

Material: — Steel

Function: — Recommended for the suspension of pipe requiring up to 4" (101.6mm) of insulation and where flexibility of the clamp may be necessary. Use B3200 weldless eye nut, B3210 eye rod or B3211 welded eye rod. Also recommended for the attachment of sway bracing up to 8" (203.2mm). Refer to B-Line/TOLCO State of California Approved Seismic Restraint Product Manual.

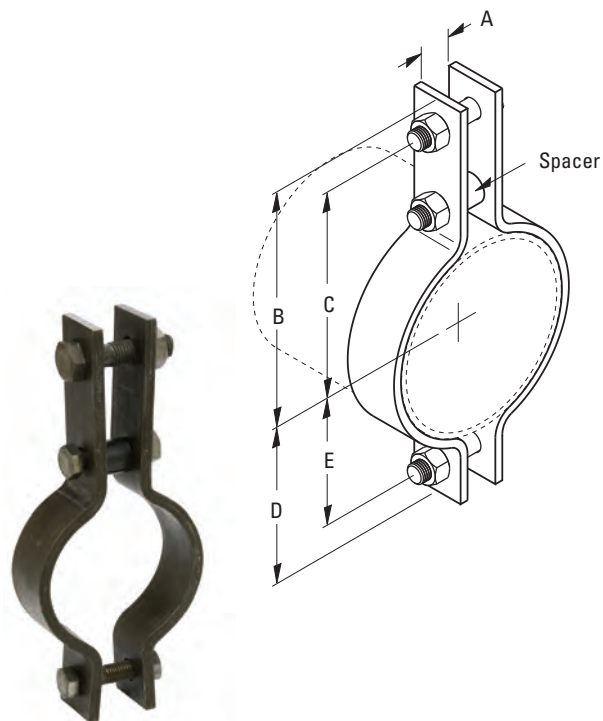
Approvals: — Conforms to Federal Specification WW-H-171E & A-A-1192A, Type 3 and Manufacturers Standardization Society ANSI/MSS SP-69 & SP-58, Type 3. Included in our Seismic Restraints Catalog approved by the State of California Office of Statewide Health Planning and Development (OSHPD). For additional load, spacing and placement information relating to OSHPD projects, please refer to the B-Line/TOLCO Seismic Restraint Systems Guidelines.

Maximum Temperature: 750°F (399°C)

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

Order By: Part number, pipe size and finish.

Component of State of
California OSHPD Approved
Seismic Restraints System

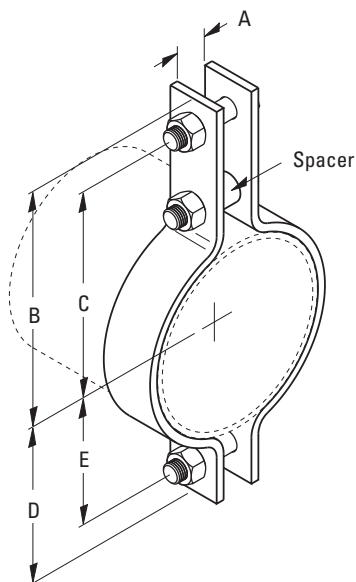


Part No.	Pipe Size	A		B		C		D		E	
	in. (mm)	in. (mm)	mm	in. (mm)	mm	in. (mm)	mm	in. (mm)	mm	in. (mm)	mm
B3144-1/2	1/2" (15)	3/8" (9.5)	213/16"	23/16"	11/2"	7/8"					
B3144-3/4	3/4" (20)	5/8" (15.9)	3"	23/8"	111/16"	11/16"					
B3144-1	1" (25)	5/8" (15.9)	31/4"	25/8"	115/16"	15/16"					
B3144-11/4	11/4" (32)	5/8" (15.9)	31/2"	27/8"	23/16"	19/16"					
B3144-11/2	11/2" (40)	1" (25.4)	53/8"	41/2"	25/8"	13/4"					
B3144-2	2" (50)	1" (25.4)	513/16"	415/16"	215/16"	21/16"					
B3144-21/2	21/2" (65)	1" (25.4)	61/8"	51/4"	31/4"	23/8"					
B3144-3	3" (75)	1" (25.4)	63/4"	57/8"	35/8"	211/16"					
B3144-31/2	31/2" (90)	1" (25.4)	73/16"	65/16"	37/8"	3"					
B3144-4	4" (100)	1" (25.4)	73/4"	65/8"	411/16"	39/16"					
B3144-5	5" (125)	1" (25.4)	89/16"	77/16"	55/16"	43/16"					
B3144-6	6" (150)	11/2" (38.1)	97/8"	81/2"	61/8"	43/4"					
B3144-8	8" (200)	11/2" (38.1)	11"	95/8"	75/16"	515/16"					
B3144-10	10" (250)	11/2" (38.1)	12"	101/2"	87/8"	75/16"					
B3144-12	12" (300)	11/2" (38.1)	131/8"	115/8"	915/16"	87/16"					
B3144-14	14" (350)	2" (50.8)	145/16"	129/16"	115/16"	99/16"					
B3144-16	16" (400)	2" (50.8)	159/16"	1313/16"	125/16"	109/16"					
B3144-18	18" (450)	2" (50.8)	167/8"	151/8"	133/8"	115/8"					
B3144-20	20" (500)	2" (50.8)	181/4"	163/8"	151/8"	131/4"					
B3144-24	24" (600)	2" (50.8)	207/16"	187/16"	175/16"	155/16"					
B3144-30	30" (750)	21/2" (63.5)	26"	23"	22"	19"					
B3144-36	36" (900)	21/2" (63.5)	323/8"	287/8"	255/8"	221/8"					

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

B3144 - Standard Double Bolt Pipe Clamp cont.

Component of State of
California OSHPD Approved
Seismic Restraints System



Part No.	Pipe Size in. (mm)	Bolt Size Size	Max. Design Load		Approx. Wt./100	
			650°F (343°C) lbs. (kN)	750°F (399°C) lbs. (kN)	lbs. (kg)	(kg)
B3144-1/2	1/2" (15)	3/8"-16	950 (4.22)	-- (--)	73 (33.1)	
B3144-3/4	3/4" (20)	3/8"-16	950 (4.22)	-- (--)	73 (33.1)	
B3144-1	1" (25)	3/8"-16	950 (4.22)	-- (--)	77 (34.9)	
B3144-1 1/4	1 1/4" (32)	3/8"-16	950 (4.22)	-- (--)	79 (35.8)	
B3144-1 1/2	1 1/2" (40)	5/8"-11	1545 (6.87)	1380 (6.14)	236 (107.0)	
B3144-2	2" (50)	5/8"-11	1545 (6.87)	1380 (6.14)	251 (113.8)	
B3144-2 1/2	2 1/2" (65)	5/8"-11	1545 (6.87)	1380 (6.14)	274 (124.3)	
B3144-3	3" (75)	5/8"-11	1545 (6.87)	1380 (6.14)	289 (131.1)	
B3144-3 1/2	3 1/2" (90)	5/8"-11	1545 (6.87)	1380 (6.14)	315 (142.9)	
B3144-4	4" (100)	3/4"-10	2500 (11.12)	2230 (9.92)	745 (337.9)	
B3144-5	5" (125)	3/4"-10	2500 (11.12)	2230 (9.92)	828 (375.6)	
B3144-6	6" (150)	7/8"-9	2865 (12.74)	2555 (11.36)	1261 (572.0)	
B3144-8	8" (200)	7/8"-9	2865 (12.74)	2555 (11.36)	1535 (696.3)	
B3144-10	10" (250)	1"-8	3240 (14.41)	2890 (12.85)	2173 (985.7)	
B3144-12	12" (300)	1"-8	3240 (14.41)	2890 (12.85)	2404 (1090.4)	
B3144-14	14" (350)	1 1/4"-7	4300 (19.12)	3835 (17.06)	4002 (1815.3)	
B3144-16	16" (400)	1 1/4"-7	4300 (19.12)	3835 (17.06)	4362 (1978.6)	
B3144-18	18" (450)	1 1/4"-7	4300 (19.12)	3835 (17.06)	4935 (2238.5)	
B3144-20	20" (500)	1 3/8"-6	5490 (24.42)	4900 (21.79)	6570 (2980.1)	
B3144-24	24" (600)	1 3/8"-6	4500 (20.01)	4015 (17.86)	7524 (3412.9)	
B3144-30	30" (750)	1 3/8"-6	7500 (33.36)	-- (--)	19502 (8846.1)	
B3144-36	36" (900)	1 3/4"-5	10500 (46.70)	-- (--)	23488 (10654.1)	

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

Pipe Clamps

B3146 - Heavy Duty Double Bolt Pipe Clamp

Size Range: 6" (150mm) thru 36" (900mm) pipe.

Material: Steel

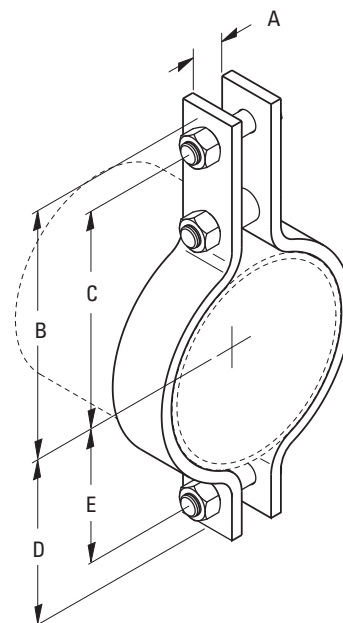
Function: Recommended for the suspension of heavy duty high temperature pipe runs requiring up to 4" (101.6mm) of insulation and where flexibility of the clamp may be necessary. Use with B3200 weldless eye nut, B3210 eye rod or B3211 welded eye rod.

Approvals: Conforms to Federal Specification WW-H-171E & A-A-1192A, Type 3 and Manufacturers Standardization Society ANSI/MSS SP-69 & SP-58, Type 3.

Maximum Temperature: 750°F (399°C)

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

Order By: Part number, pipe size and finish.



Part No.	Pipe Size	A		B		C		D		E	
	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)		
B3146-6	6" (150)	1 ³ / ₄ " (44.4)	10 ³ / ₁₆ " (258.8)	8 ¹⁵ / ₁₆ " (227.0)	6" (152.4)	4 ³ / ₄ " (120.6)					
B3146-8	8" (200)	2" (50.8)	11 ³ / ₈ " (288.9)	10 ¹ / ₈ " (257.2)	7 ¹ / ₄ " (184.1)	6" (152.4)					
B3146-10	10" (350)	2 ¹ / ₄ " (57.1)	13 ¹ / ₈ " (333.4)	11 ³ / ₈ " (288.9)	9" (228.6)	7 ¹ / ₄ " (184.1)					
B3146-12	12" (300)	2 ¹ / ₂ " (63.5)	14 ⁵ / ₁₆ " (363.5)	12 ⁹ / ₁₆ " (319.1)	10 ³ / ₈ " (263.5)	8 ⁵ / ₈ " (219.1)					
B3146-14	14" (450)	2 ¹ / ₂ " (63.5)	15 ¹ / ₂ " (393.7)	13 ¹ / ₂ " (342.9)	11 ⁵ / ₈ " (295.3)	9 ⁵ / ₈ " (244.5)					
B3146-16	16" (400)	3" (76.2)	17 ¹ / ₈ " (435.0)	14 ⁷ / ₈ " (377.7)	13 ¹ / ₈ " (333.4)	10 ⁷ / ₈ " (276.2)					
B3146-18	18" (550)	3 ¹ / ₂ " (88.9)	18 ¹ / ₄ " (463.5)	16 ¹ / ₄ " (412.7)	14 ¹ / ₂ " (368.3)	12 ¹ / ₂ " (317.5)					
B3146-20	20" (500)	3 ¹ / ₂ " (88.9)	19 ³ / ₄ " (501.6)	17 ¹ / ₄ " (438.1)	16" (406.4)	13 ¹ / ₂ " (342.9)					
B3146-24	24" (600)	3 ¹ / ₂ " (88.9)	22 ³ / ₈ " (568.3)	19 ⁵ / ₁₆ " (490.5)	18 ¹ / ₂ " (469.9)	15 ¹ / ₂ " (393.7)					
B3146-30	30" (750)	4 ¹ / ₄ " (107.9)	32 ³ / ₄ " (831.8)	28 ¹ / ₄ " (717.5)	24 ³ / ₈ " (619.1)	19 ⁷ / ₈ " (504.8)					
B3146-36	36" (900)	4 ¹ / ₂ " (107.9)	40 ¹ / ₄ " (1022.3)	34 ³ / ₄ " (882.6)	30 ¹ / ₈ " (765.2)	22 ⁵ / ₈ " (574.7)					

Part No.	Bolt Size in. (mm)	Maximum Design Load For Service Temperature				Approx. Wt./100	
		650°F (343°C)		750°F (399°C)		Lbs.	(kg)
		Lbs.	(kN)	Lbs.	(kN)		
B3146-6	1" (25.4)	3500	(15.57)	3125	(13.90)	1200	(544.3)
B3146-8	1 1/8" (28.6)	4800	(21.35)	4285	(19.06)	1850	(839.1)
B3146-10	1 1/4" (31.7)	5500	(24.46)	4910	(21.84)	3030	(1374.4)
B3146-12	1 3/8" (34.9)	7000	(31.13)	6250	(27.80)	4200	(1905.1)
B3146-14	1 1/2" (38.1)	9500	(42.25)	8485	(37.74)	6000	(2721.6)
B3146-16	1 3/4" (44.4)	10000	(44.48)	8930	(39.72)	8000	(3628.8)
B3146-18	2" (50.8)	13800	(61.38)	12325	(54.82)	11500	(5216.4)
B3146-20	2" (50.8)	15300	(68.05)	13665	(60.78)	14000	(6350.4)
B3146-24	2" (50.8)	16300	(72.50)	14555	(64.74)	19000	(8618.4)
B3146-30	2 1/4" (57.1)	20500	(91.18)	--	(--)	40600	(18416.1)
B3146-36	2 3/4" (69.8)	28000	(124.54)	--	(--)	67800	(30754.1)



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