

# Pipe Rollers & Roller Supports

## B3120 - Roller Chair (TOLCO Fig. 325)

**Size Range:** 2" (50mm) thru 24" (600mm) pipe

**Material:** Cast iron and steel

**Function:** For supporting pipe where movement may occur due to thermal expansion. Used when ceiling suspension is impractical.

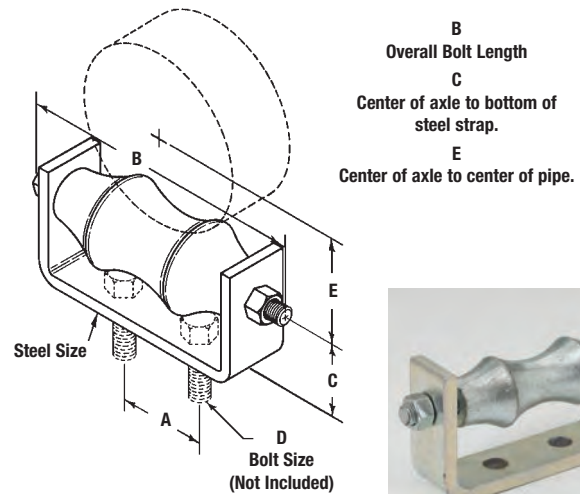
**Approvals:** Conforms to Federal Specification WW-H-171E & A-A-1192A, Type 45 and Manufacturers Standardization Society ANSI/MSS SP-69 & SP-58, Type 44.

**Note:** When pipe line is insulated, total outside diameter of pipe and covering should be used to determine size of hanger; also see B3160 to B3165 on pages 155 thru 160.

**Finish:** Plain. Contact B-Line for alternative finishes and materials.

**Order by:** Part number, pipe size and finish

**Note:** Not for continuous cycling applications.



Part No.	Pipe Size in. (mm)	A in. (mm)	B in. (mm)	C in. (mm)	Recommended Bolt Size D (Not Included)
B3120-2	2" (50)	1 1/4" (31.7)	4 5/8" (117.5)	1 1/2" (38.1)	3/8"-16 x 1 1/2"
B3120-2 1/2	2 1/2" (65)	1 1/4" (31.7)	5 3/8" (136.5)	1 5/8" (41.3)	3/8"-16 x 1 1/2"
B3120-3	3" (80)	2" (50.8)	6" (152.4)	1 3/4" (44.4)	3/8"-16 x 1 1/2"
B3120-3 1/2	3 1/2" (90)	2" (50.8)	6 3/4" (171.4)	2 1/16" (52.4)	3/8"-16 x 1 1/2"
B3120-4	4" (100)	2" (50.8)	7 1/4" (184.1)	2 5/16" (58.7)	1/2"-13 x 1 1/2"
B3120-5	5" (125)	3" (76.2)	8 7/16" (214.3)	2 1/2" (63.5)	1/2"-13 x 1 1/2"
B3120-6	6" (150)	3 1/8" (79.4)	9 3/4" (247.6)	2 3/4" (69.8)	1/2"-13 x 1 1/2"
B3120-8	8" (200)	3 3/8" (85.7)	12" (304.8)	3" (76.2)	5/8"-11 x 1 1/2"
B3120-10	10" (250)	5 1/4" (133.3)	14 7/16" (366.7)	3 5/8" (92.1)	5/8"-11 x 2"
B3120-12	12" (300)	5 1/2" (139.7)	16 5/8" (422.3)	4 1/8" (104.8)	5/8"-11 x 2"
B3120-14	14" (350)	6" (152.4)	18 1/4" (463.5)	4 5/8" (117.5)	5/8"-11 x 2"
B3120-16	16" (400)	8" (203.2)	21" (533.4)	5" (127.0)	5/8"-11 x 2 1/2"
B3120-18	18" (450)	9" (228.6)	23" (584.2)	5 1/4" (133.3)	5/8"-11 x 2 1/2"
B3120-20	20" (500)	10" (254.0)	25" (635.0)	5 3/4" (146.0)	3/4"-10 x 3"
B3120-24	24" (600)	12" (304.8)	30" (762.0)	7" (177.8)	3/4"-10 x 3"

**Notes:** If using D.I. pipe refer to page 298 for sizing. Non-metallic rollers with stainless steel chair and hardware are available for most sizes (B3120NM-Pipe Size). Contact B-Line Engineering for more information.

Part No.	E in. (mm)	Steel Size in. (mm)	Design Load lbs. (kN)	Approx. Wt./100 lbs. (kg)
B3120-2	1 9/16" (39.7)	1/4" x 1 1/4" (6.3 x 31.7)	300 (1.33)	119 (54.0)
B3120-2 1/2	1 7/8" (47.6)	1/4" x 1 1/4" (6.3 x 31.7)	600 (2.67)	146 (66.2)
B3120-3	2 3/16" (55.6)	1/4" x 1 1/4" (6.3 x 31.7)	600 (2.67)	172 (78.0)
B3120-3 1/2	2 1/2" (63.5)	3/8" x 1 1/2" (9.5 x 38.1)	600 (2.67)	264 (119.7)
B3120-4	2 3/4" (69.8)	3/8" x 1 1/2" (9.5 x 38.1)	700 (3.11)	303 (137.4)
B3120-5	3 3/8" (85.7)	3/8" x 1 1/2" (9.5 x 38.1)	700 (3.11)	401 (181.9)
B3120-6	3 15/16" (100.0)	3/8" x 2" (9.5 x 50.8)	1000 (4.45)	620 (281.2)
B3120-8	5 1/16" (128.6)	3/8" x 2" (9.5 x 50.8)	1300 (5.78)	874 (396.4)
B3120-10	6 1/4" (158.7)	1/2" x 2" (12.7 x 50.8)	1700 (7.56)	1270 (576.1)
B3120-12	7 3/8" (187.3)	1/2" x 2" (12.7 x 50.8)	2300 (10.33)	1918 (870.0)
B3120-14	8 1/4" (209.5)	1/2" x 2 1/2" (12.7 x 63.5)	3100 (13.79)	2629 (1192.5)
B3120-16	9 1/4" (234.9)	5/8" x 2 1/2" (15.9 x 63.5)	3900 (17.35)	3248 (1473.3)
B3120-18	10 3/8" (263.5)	5/8" x 2 1/2" (15.9 x 63.5)	4200 (18.68)	4120 (1868.8)
B3120-20	11 1/2" (292.1)	5/8" x 3" (15.9 x 76.2)	4500 (20.01)	5630 (3553.7)
B3120-24	13 3/4" (349.2)	3/4" x 3" (19.0 x 76.2)	6000 (26.69)	7702 (3493.6)

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