Fig. 175

Roller Chair

Size Range: 2" through 30" pipe
Material: Cast iron roll, steel chair, roll rod, bolts and hex nuts
Finish: ☐ Plain, ☐ Galvanized or ☐ Resilient Coated
Maximum Temperature: 450° F at roller, 300° F at resilient coated roller.
Service: For support of pipe where longitudinal movement due to expansion and contraction may occur, but where no vertical adjustment is required.
Approvals: Complies with Federal Specification A-A-1192A (Type 44), *WW-H-171-E (Type 45)*, ANSI/MSS SP-69 and MSS SP-58 (Type 44).
Installation: Two bolts and nuts provide anchorage to floor or top of steel beam or bracket or chair may be welded to supporting steel.
Features: Advantages of pipe rollers with a protective resilient coated covering.

- Non conductive pipe rollers - prevent the passing of current from pipeline to structure.
- Corrosion resistant - for protection against severe weather conditions, moderate corrosive conditions such as marine atmospheres and weather resistant to ultra-violet radiation.
- Low coefficient of friction between pipe and resilient coated pipe roller.

How to size:

(1) If roll is to support bare pipe, select the size directly from nominal pipe size (see below).
(2) If used with pipe covering protection saddle, see page 118 for size of pipe roll.
(3) If roll is to support covered pipe, the O.D. of the covering should not be greater than the O.D. of the pipe for which the roll was designed.

Ordering: Specify size of roll, figure number, name and finish. Be certain to order oversized rolls when insulation and protection saddles are required.

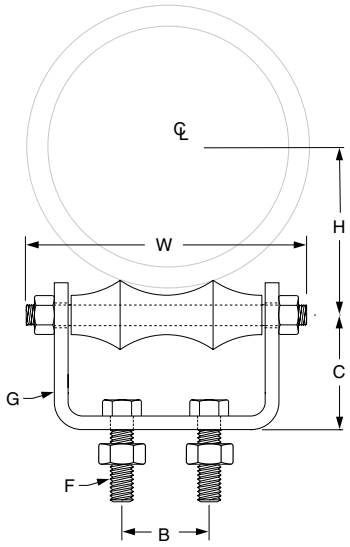

FIG. 175: LOADS (LBS) • WEIGHT (LBS) • DIMENSIONS (IN)

Pipe Size	Max Load	Wgt.	W	B	C	F	G Width	H
2	600	1.1	4	1¼	1½	⅜ x 1½	1¼	1⅝
2½	660	1.4	4⅞		1⅝			1 15/16
3	700	1.6	5⅜	2	1¾			2¼
3½	750	2.6	6⅛		2 1/16		1½	2 9/16
4		2.9	6⅝		2 5/16	½ x 1½		2 13/16
5		3.7	7⅞	3	2½			3 7/16
6	1,070	5.9	9¼	3⅛	2¾		2	4
8	1,350	9.0	11⅝	3⅜	3	⅝ x 1½		5⅛
10	1,730	13.8	14⅛	5¼	3⅝	⅝ x 2		6⅜
12	2,400	18.9	16⅛	5½	4⅛			7 7/16
14	3,130	28.07	18¾	6½	4 11/16	¾ x 2	2½	8⅜
16	3,970	34.93	21	8¼	5⅜	¾ x 2½	3	9⅜
18	4,200	44.35	23⅛	9¼	6			10 7/16
20	4,550	56.34	24⅝	10¼	6½			11⅝
24	6,160	87.52	29⅜	12¼	7⅞	⅞ x 3½	4	14
30	7,290	151.25	34 13/16	15⅜	8¾		6	17 7/16

DI/CI ROLL SIZING

DI/CI Pipe Size	Fig. 175 Roller Size
3	4
4	5
6	6
8	8
10	10
12	14
14	16
16	18
18	20
20	24
24	30
30	No Recom.

PROJECT INFORMATION	APPROVAL STAMP
Project:	☐ Approved
Address:	☐ Approved as noted
Contractor:	☐ Not approved
Engineer:	**Remarks:**
Submittal Date:	
Notes 1:	
Notes 2:	