

## Roller Chair Fig. 175

**Size Range:** 2" through 30" pipe

**Material:** Cast iron roll, steel chair, roll rod, bolts and hex nuts

**Finish:** Plain, Hot-Dip Galvanized Chair with Zinc Plated Parts or Resilient Coated

**Maximum Temperature:** 400°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 Figure 160 to Figure 166A 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.

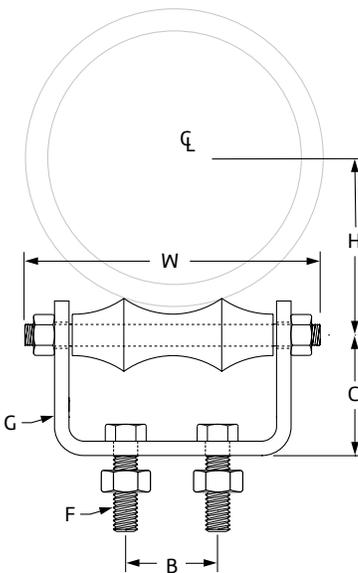


Fig. 175: Dimensions (in) • Loads (lbs) • Weight (lbs)

Pipe Size	Max Load	Wgt.	W	B	C	F	G Width	H	D1/C1 Roll Sizing	
									D1/C1 Pipe Size	Fig. 175 Roller Size
2	600	1.1	4		1½			1⅝		
2½	660	1.4	4⅞	¼	1⅝		¼	1⅝	3	4
3	700	1.6	5⅜		1¾	⅜ x 1½		2¼	4	5
3½		2.6	6⅞	2	2⅛			2⅞	6	6
4	750	2.9	6⅝		2⅝		½	2⅜	8	8
5		3.7	7⅞	3	2½	½ x 1½		3⅞	10	10
6	1,070	5.9	9¼	3⅞	2¾			4	12	14
8	1,350	9.0	11⅝	3⅞	3	⅝ x 1½	2	5⅞	14	16
10	1,730	13.8	14⅜	5¼	3⅝			6⅜	16	18
12	2,400	18.9	16⅞	5½	4⅛	⅝ x 2		7⅞	18	20
14	3,130	28.07	18¾	6½	4⅞	¾ x 2	2½	8⅞	20	24
16	3,970	34.93	21	8¼	5⅜			9⅞	24	30
18	4,200	44.35	23⅞	9¼	6	¾ x 2½	3	10⅞	30	No Recom.
20	4,550	56.34	24⅝	10¼	6½			11⅞		
24	6,160	87.52	29⅞	12¼	7⅞		4	14		
30	7,290	151.25	34⅞	15⅞	8¾	⅞ x 3½	6	17⅞		

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