

## Pipe Roll and Base Plate Fig. 277 with Cast Iron Base Plate

**Size Range:** 2" through 24"

**Note:** 24" size supplied with a fabricated steel base plate with a cast iron roller.

**Material:** Cast iron roll and plate

**Finish:** Plain, Zinc Plated (Hot-Dip Galvanized optional) or Resilient Coated

**Service:** For support of pipe where small longitudinal movement due to expansion and contraction may occur and where no vertical adjustment is required.

**Maximum Temperature:** 400° F at roller, 300° F at resilient coated roller.

**Approvals:** Complies with Federal Specification A-A-1192A (Type 45), WW-H-171-E (Type 46), ANSI/MSS SP-69 and MSS SP-58 (Type 45).

**Installation:** Consist of sitting the unit in place. Weight of pipe and material hold unit in place.

**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.

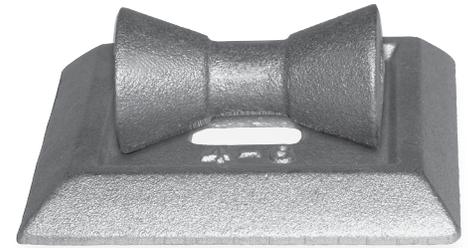
**Features:** An economical, practical means of supporting pipe with limited horizontal movement due to expansion and contraction.

**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.

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

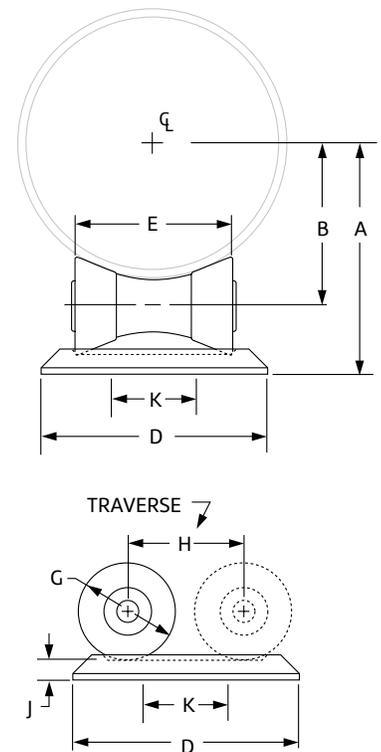
**Note:** Fabricated carbon steel base plates for extended travel are available upon request. Refer to Fig. 75 SD and 76 SD for additional pipe roll designs.



**Fig. 277: Dimensions (in) • Loads (lbs) • Weight (lbs)**

Pipe Size	Max Load	Wgt.	A	B	D	E	G	H	J	K
2			3/4	1 3/4						
2 1/2	390	4.0	3 1/2	2 1/8	4 3/4	2 5/8	1 7/8	1 3/4	1/2	-
3			3 13/16	2 3/8						
3 1/2			4 1/16	2 5/8						
4			4 5/16	2 3/4						
5	950	5.6	4 15/16	3 3/8	5 3/4	3 5/8	2 1/16	2 5/8	1/2	1 1/2
6			5 1/2	4						
8	2,100	15.3	7 9/16	5 1/4	8 3/4	5 5/8	3 3/4	4	1 1/16	2 1/2
10			8 11/16	6 3/8						
12	3,075	27.9	10 1/4	7 1/2	10 3/4	7 5/8	4	5 5/8	3/4	4
14			10 7/8	8 1/8						
16			12 3/8	9 3/8						
18	4,980	43.7	13 1/2	10 3/8	12	8 1/2	4 1/2	6 3/8	7/8	5
20			14 1/2	11 3/8						
24	6,100	51.5	16 5/8	13 3/8	13 1/4	9 1/2	4 7/16	7 5/8	1	5 3/4

DI/CI Roll Sizing	
DI/CI Pipe Size	Fig. 277 Roller Size
3	4
4	5
6	6
8	8
10	10
12	14
14	16
16	18
18	20
20	24



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