

Fig. 277: with Cast Iron Base Plate

Pipe Roll and Base Plate

Size Range: 2" through 24"

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.

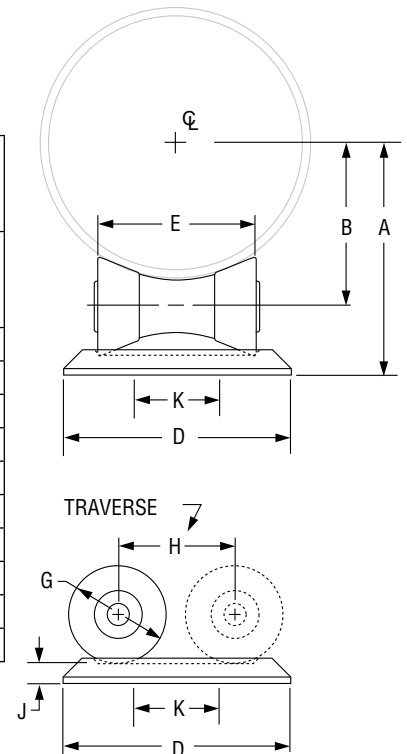


FIG. 277: DIMENSIONS (IN) • LOADS (LBS) • WEIGHT (LBS)

Pipe Size	Max Load	Wgt.	A	B	D	E	G	H	J	K
2	390	4.0	3 ¹ / ₄	1 ³ / ₄	4 ³ / ₄	2 ⁵ / ₈	1 ⁷ / ₈	1 ³ / ₄	1 ¹ / ₂	
2 ¹ / ₂			3 ¹ / ₂	2 ¹ / ₈						
3			3 ¹³ / ₁₆	2 ³ / ₈						
3 ¹ / ₂			4 ¹ / ₁₆	2 ⁵ / ₈						
4	950	5.6	4 ⁵ / ₁₆	2 ³ / ₄	5 ³ / ₄	3 ⁵ / ₈	2 ¹ / ₁₆	2 ⁵ / ₈	1 ¹ / ₂	1 ¹ / ₂
5			4 ¹⁵ / ₁₆	3 ³ / ₈						
6			5 ¹ / ₂	4						
8	2,100	15.3	7 ⁹ / ₁₆	5 ¹ / ₄	8 ¹ / ₄	5 ⁵ / ₈	3 ¹ / 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 ³ / ₄	4
14			10 ⁷ / ₈	8 ¹ / ₈						
16	4,980	43.7	12 ³ / ₈	9 ³ / ₈	12	8 ¹ / ₂	4 ¹ / ₂	6 ³ / ₈	7 ⁷ / ₈	5
18			13 ¹ / ₂	10 ³ / ₈						
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:		<input type="checkbox"/> Approved
Address:		<input type="checkbox"/> Approved as noted
Contractor:		<input type="checkbox"/> Not approved
Engineer:		Remarks:
Submittal Date:		
Notes 1:		
Notes 2:		