

Fig. 171: Pipe Roll

Single Pipe Roll

Size Range: 1" through 30"

Material: Cast iron roll and sockets, steel roll rod

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

Service: For suspension of pipe from two rods where longitudinal expansion and contraction may occur.

Approvals: Complies with Federal Specification A-A-1192A (Type 41), WW-H-171-E (Type 42), ANSI/MSS SP-69 and MSS SP-58 (Type 41).

Adjustment: Adjustable socket permits vertical adjustment at the roll.

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

How to size:

- (1) If the roll is to support non-insulated pipe, select the size directly from nominal pipe size (column 1) in table below.
- (2) If used with pipe covering protection saddle, see Figure 160 to Figure 166A for size of pipe roll.

Features:

- Provides for vertical adjustment; nut at bottom of hanger rod fits into the socket preventing loosening or turning due to vibration.
- Pipe roll is designed for two point surface contact with pipe or saddle.

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.
- Order should include figure number, name and finish in all cases. Hanger rods and nuts to be ordered separately.
- Be certain to order oversized rolls when insulation and protection saddles makes this necessary.

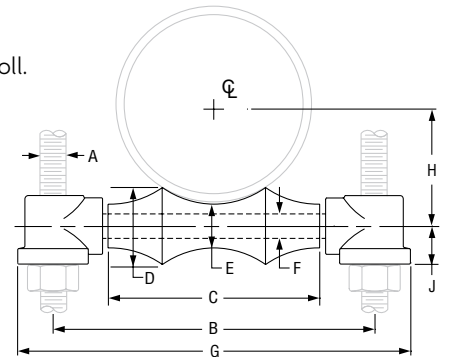


FIG. 171: LOADS (LBS) • WEIGHT (LBS) • DIMENSIONS (IN)

Pipe Size	Max O.D. Covering	Rod Size A	Max Load	Weight	G	B	C	D	E	F	H	J
1	2	3/8	600	0.45	4 1/8	3	1 1/2	1	3/4	3/8	1 1/16	9/16
1 1/4	2 1/2			0.48	4 1/2	3 3/8	1 7/8	1 1/16			1 1/4	
1 1/2	2 3/4			0.51	4 3/4	3 5/8	2 1/8	1 1/8			1 3/8	
2	3 1/4			0.57	5 1/4	4 1/8	2 5/8	1 3/16			1 5/8	
2 1/2	3 3/4	1/2	660	1.00	6 1/4	4 7/8	3 3/8	1 3/8	7/8	1/2	1 15/16	1 1/16
3	4 1/2		700	1.10	6 7/8	5 1/2	3 3/4	1 7/16			2 1/4	
3 1/2	5		750	1.40	7 1/2	6 1/8	4 1/4	1 5/8			2 9/16	3/4
4	5 1/2	5/8		1.70	8 1/4	6 3/8	4 3/4	1 3/4	2 13/16			
5	7			2.60	9 1/16	8 1/16	5 13/16	2	1 1/8		5/8	3 7/16
6	8 1/4	3/4	1,070	4.50	11 1/16	9 9/16	6 3/8	2 5/16	1 1/4	3/4	4	1
8	10 1/2		1,350	7.20	14 1/16	11 15/16	8 7/8	2 13/16	1 1/2	7/8	5 1/8	1 1/8
10	12 3/4	7/8	1,730	9.50	16 3/16	14 1/16	11	3 3/8	1 3/4		6 3/8	
12	14 3/4		2,400	15.90	17 15/16	15 13/16	12 1/2	3 7/8	2	1	7 7/16	1 1/4
14	16 1/4	1	3,130	24.30	20 1/8	17 3/4	14 1/4	4 5/8	2 1/2	1 1/8	8 3/8	1 3/8
16	18		3,970	31.90	22 1/8	19 3/4	16 1/4	5	2 5/8	1 1/4	9 7/16	1 1/2
18	20 1/4		4,200	35.50	24 1/2	21 7/8	18 1/4	5 7/16	2 3/4		10 1/2	
20	22 1/2	1 1/4	4,550	47.00	27 1/4	24 1/4	20 1/4	6	3		1 1/2	11 5/8
24	26 1/2	1 1/2	6,160	76.30	32 1/8	28 7/8	24 1/4	7 3/16	3 5/8	14		1 3/4
30	32 1/2		7,290	129.90	39	35 1/2	30 1/4	8 15/16	4 1/2	1 3/4		17 1/16

DI/CI ROLL SIZING

DI/CI Pipe Size	Fig. 171 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:	