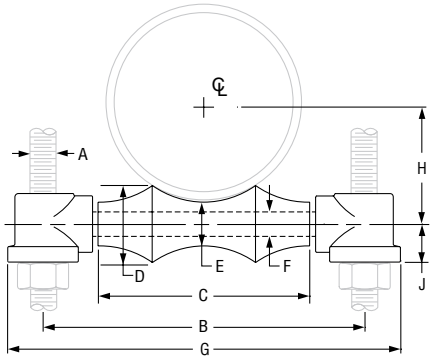
Fig. 171: Pipe Roll

Single Pipe Roll

Size Range: 1" through 30"
Material: Cast iron roll and sockets, steel roll rod
Finish: ☐ Plain, ☐ Galvanized 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: 450° 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 page 118 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 1/8	1 3/8	7/8	1/2	1 15/16	11/16
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	1		2 9/16	3/4
4	5 1/2	5/8		1.70	8 1/4	6 7/8	4 3/4	1 3/4			2 13/16	
5	7			2.60	9 11/16	8 1/16	5 13/16	2	1 1/8	5/8	3 7/16	7/8
6	8 1/4	3/4	1,070	4.50	11 7/16	9 9/16	6 7/8	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		11 5/8	1 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	1 1/2	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 7/16	2 7/16

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:	