

## Fig. 271: Complete

## Pipe Roll Stand

**Size Range:** 2" through 42"

**Material:** Cast iron roll and stand

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

**Service:** For support of pipe where longitudinal movement due to expansion and contraction may occur but 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 44), WW-H-171-E (Type 45), ANSI/MSS SP-69 and MSS SP-58 (Type 44).

**Installation:**

- (1) Two cored holes for anchorage bolts are provided on all sizes for fastening stands to structural supports, piers, floors, etc.
- (2) In addition, cored holes "N" at the four corners of the stand are provided for anchorage purposes.
- (3) The two cored holes on sizes 2" to 6" are on outside of stand (see dotted lines and dimension J').
- (4) On all other sizes, the holes are inside of uprights (see dimension J).

**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:**

- If roll is to support bare pipe, select the size directly from nominal pipe size (see below).
- If used with pipe covering protection saddle, see Figure 160 to Figure 166A for size of pipe roll.

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

**Note:** Refer to Fig. 75 SD and 76 SD for additional pipe roll designs. **Standard line of carbon steel base plates available.**



Continued on Following Page.

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:			

## Fig. 271: Complete

## Pipe Roll Stand (cont.)

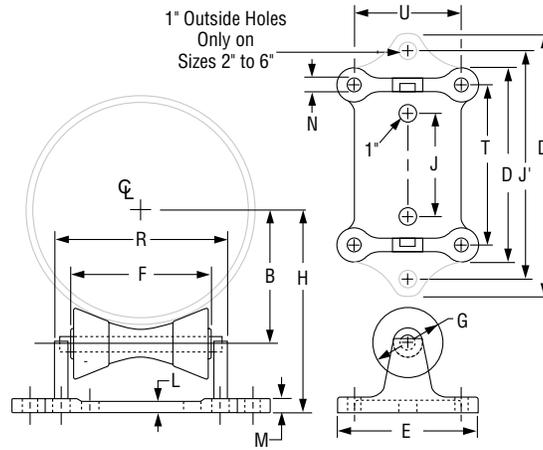


FIG. 271: WEIGHT (LBS) • LOADS (LBS) • DIMENSIONS (IN)																	
Pipe Size	Max Load	Weight	H	B	D	D'	E	F	G	J	J'	L	M	N	R	T	U
2	390	6.4	3½	1¾	—	8¾	5¾	2¾	1⅞	—	6¾	9/16	11/16	½	4	3⅞	4
2½			3⅞	2⅞	—					—							
3			4⅞	2⅞	—					—							
3½			4¾	2⅞	—					—							
4	950	8.9	4 <sup>13</sup> / <sub>16</sub>	2¾	—	9 <sup>7</sup> / <sub>8</sub>	5¾	3¾	2 <sup>1</sup> / <sub>16</sub>	—	7 <sup>7</sup> / <sub>8</sub>	¾	7/8	5/8	4 <sup>11</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>4</sub>	
5			5 <sup>7</sup> / <sub>16</sub>	3¾	—					—							
6			6 <sup>1</sup> / <sub>16</sub>	4	—					—							
8	2,100	15.3	8 <sup>11</sup> / <sub>16</sub>	5¼	—	8 <sup>5</sup> / <sub>8</sub>	6 <sup>5</sup> / <sub>8</sub>	6	3¼	4	—	¾	7/8	5/8	7¾	7	5
10			9 <sup>13</sup> / <sub>16</sub>	6¾	—					—							
12	3,075	28.1	11 <sup>3</sup> / <sub>8</sub>	7½	—	10 <sup>15</sup> / <sub>16</sub>	7 <sup>7</sup> / <sub>8</sub>	8	4	5¾	—	¾	7/8	¾	9 <sup>7</sup> / <sub>8</sub>	9 <sup>1</sup> / <sub>16</sub>	6
14			12	8⅞	—					—							
16	4,980	39.7	13 <sup>5</sup> / <sub>8</sub>	9¾	—	12 <sup>3</sup> / <sub>8</sub>	8 <sup>5</sup> / <sub>8</sub>	9	4½	6¾	—	7/8	1	13/16	11¼	10¼	6½
18			14 <sup>5</sup> / <sub>8</sub>	10¾	—					—							
20			15 <sup>5</sup> / <sub>8</sub>	11¾	—					—							
24	6,100	49.6	17¾	13¾	13½	—	10¾	12½	5½	10	—	1¼	1½	1½	15¾	14¼	8
30	7,500	99.3	21¾	16¾	17	—				12							
36	12,000	152.0	25¾	20	20	—	12	15	6¾	12	—	1½	1¾	15/16	18¾	17	9
42			28¾	23¾	—	—				—							

DI/CI ROLL SIZING	
DI/CI Pipe Size	Fig. 271 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	N/A