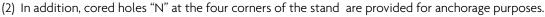# Fig. 271: Complete

Pipe Roll Stand

Size Range: 2" through 42"

Material: Cast iron roll and stand

Finish: ❏ Plain, ❏ Galvanized 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: 450° 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 page 118 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.**

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

Fig. 271: Complete — Pipe Roll Stand (cont.)

1" Outside Holes Only on Sizes 2" to 6"

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	1⅜	–	8⅜	5⅜	2¾	1⅞	–	6⅜	9/16	11/16	½	4	3 7/16	4
2½			3⅞	2⅛	–					–							
3			4⅛	2⅜	–					–							
3½			4⅜	2⅝	–					–							
4	950	8.9	4 13/16	2¾	–	9⅞	5⅝	3¾	2 1/16	–	7⅞				5⅜	4 11/16	4¼
5			5 7/16	3⅜	–					–							
6			6 1/16	4	–					–							
8	2,100	15.3	8 11/16	5¼	8⅝	–	6⅝	6	3¼	4	–	¾	⅞	⅝	7¾	7	5
10			9 13/16	6⅜		–					–							
12	3,075	28.1	11⅜	7½	10 15/16	–	7⅞	8	4	5¾	–			¾	9⅞	9 1/16	6
14			12	8⅛		–					–							
16	4,980	39.7	13⅝	9⅜	12⅜	–	8⅝	9	4½	6¾	–	⅞	1	13/16	11¼	10¼	6½
18			14⅝	10⅜		–					–							
20			15⅝	11⅜		–					–							
24	6,100	49.6	17¾	13⅜	13½	–		10	4 7/16	7½	–	1	1⅛		12½	11⅜	
30	7,500	99.3	21⅞	16¾	17	–	10¾	12½	5½	10	–	1¼	1½	1 1/16	15¾	14¼	8
36	12,000	152.0	25¾	20	20	–	12	15	6⅜	12	–	1½	1¾	1 5/16	18¾	17	9
42			28⅞	23⅛	–	–					–							

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