

## PIPE ROLLS

### HARVARD ROLL HANGER

**Figure 140**

Designed to support piping lines from above, allowing for vertical adjustment, and axial movement in the piping. The lower nut (not furnished) adjusts the pipe line to the proper elevation, the top nut (not furnished) prevents loosening due to vibration, and must be tightened securely to assure proper hanger performance.

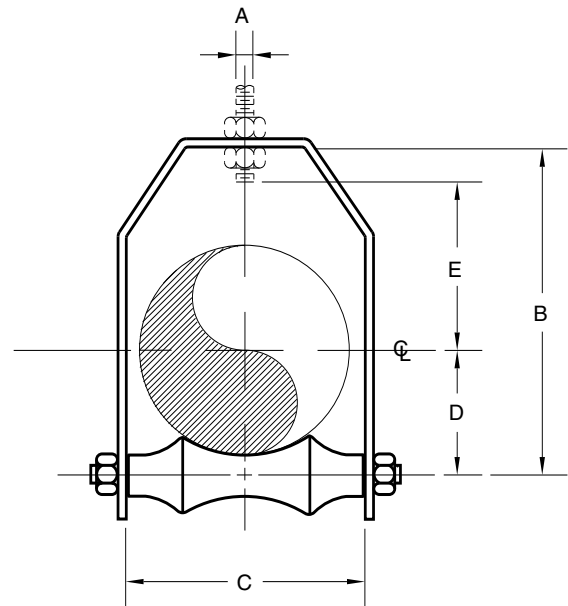
**Material:** Carbon Steel frame with a Cast Iron Roll. Do not exceed 450° F / 232° C at the contact point to the roll.

**Compliance:** A-A-1192A Type 43 and MSS-SP-69 Type 43.

**Finish:** Plain, Painted, and Hot-Dip Galvanized.

For pipe with insulation and a pipe covering protection saddle the Figure 140 will have to be oversized to suit. Please see the Table below showing the correct sizing for insulated pipe.

**Ordering:** Specify pipe size, figure number, and finish. For Metric applications specify Figure M140.



**FIGURE 140 – HARVARD ROLL HANGER**

PIPE SIZE	MAXIMUM LOAD	ROD SIZE A	B	C	D	E	G	WEIGHT EACH
2	150	½	4¼	2¾	1¾	2¾	¾ x 1¼	1.60
50	667	M12	108	70	41	67	5 x 32	0.73
2½	225	½	4¾	3¼	2	2¾	¾ x 1¼	2.00
65	1001	M12	124	83	51	73	5 x 32	0.91
3	310	½	6¼	3¾	2¼	3¾	¾ x 1¼	2.30
80	1379	M12	159	98	57	79	5 x 32	1.04
3½	390	½	6¾	4½	2½	3¾	¼ x 1¼	2.50
90	1735	M12	175	114	67	89	6 x 32	1.13
4	475	¾	7¾	4¾	2¾	3¾	¼ x 1½	4.00
100	2113	M16	191	124	73	92	6 x 38	1.81
5	685	¾	8¾	6¾	3½	4½	¼ x 2	5.30
125	3047	M16	213	162	89	114	6 x 51	2.40
6	780	¾	9¾	7¾	4	5	¼ x 2	7.00
150	3470	M20	251	194	102	127	6 x 51	9.40
7	780	¾	11¼	8¾	4¾	5¾	¼ x 2	9.40
175	3470	M20	283	216	121	133	6 x 51	4.26
8	780	¾	12¾	9¾	5¾	6¾	¾ x 2	12.30
200	3470	M20	321	241	130	156	10 x 51	5.58
10	965	¾	15	11¼	6¼	7¼	¾ x 2½	19.30
250	4293	M20	381	286	159	184	10 x 64	8.75
12	965	¾	17¼	13¾	7¾	8¾	½ x 2	23.10
300	4293	M20	435	343	191	213	13 x 51	10.50
14	1200	1	18¾	14¾	8¾	8¾	½ x 2½	35.50
350	5338	M24	467	371	213	222	13 x 64	16.10
16	1400	1	20½	17¼	9¾	9¾	½ x 2½	46.50
400	6228	M24	521	438	241	248	13 x 64	21.10
18	1400	1	23¾	19	10½	11½	½ x 3	57.00
450	6228	M24	587	483	267	292	13 x 76	25.90
20	1600	1¼	24½	21	11¾	12¾	¾ x 3	75.90
500	7117	M30	622	533	295	311	16 x 76	34.40
24	1800	1½	29¾	24¾	14	15¾	¾ x 3	119.30
600	8007	M36	759	629	356	400	16 x 76	54.10

DIMENSIONS		TEMPERATURE	LOADS	WEIGHT
INCHES	FAHRENHEIT		POUNDS	POUNDS
MILLIMETERS	CELSIUS		NEWTONS	KILOGRAMS

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Figure 140 PIPE SIZE OF ROLL	PIPE SIZE OF COVERING PROTECTION SADDLE to be used with Figure 140					
	Figure 351 1" Cov. 25	Figure 352 1½" Cov. 38	Figure 353 2" Cov. 51	Figure 354 2½" Cov. 64	Figure 355 3" Cov. 76	Figure 356 4" Cov. 100
2½	¾					
65	20					
3	1 to 1½					
80	25 to 40					
4	2 to 2½	1 to 1½				
100	50 to 65	25 to 40				
5	3 to 3½	2 to 2½	¾ to 1½			
125	80 to 90	50 to 65	20 to 40			
6	4	3 to 3½	2 to 2½	¾ to 1		
150	100	80 to 90	50 to 65	20 to 25		
7	5	4	3 to 3½	1¼ to 1½	2	
175	125	100	80 to 90	32 to 40	50	
8	6	5	4	2 to 3	2½	
200	150	125	100	50 to 80	65	
10	8	6	5 to 6	3½ to 5	3 to 4	
250	200	150	125 to 150	90 to 125	80 to 100	
12	10	8	8	6	5 to 6	
300	250	200	200	150	125 to 150	
14	12	10		8	5 to 6	
350	300	250		200	125 to 150	
16	14	12	10	10	8	8
400	350	300	250	250	200	200
18		14	12 to 14	12	10 to 12	10
450		350	300 to 350	300	250 to 300	250
20		16	16	14	14	12
500		400	400	350	350	300
24		18 to 20	18 to 20	18	18	16
600		450 to 500	450 to 500	450	450	400

DIMENSIONS		TEMPERATURE	LOADS	WEIGHT
INCHES	FAHRENHEIT	POUNDS	POUNDS	
MILLIMETERS	CELSIUS	NEWTONS	KILOGRAMS	