# 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.

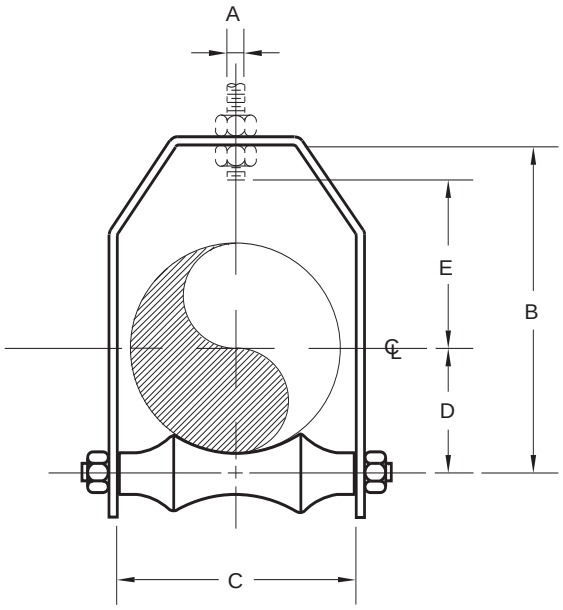


**FIGURE 140 – HARVARD ROLL HANGER**

| PIPE SIZE | MAXIMUM LOAD | ROD SIZE A | B | C | D | E | G | WEIGHT EACH |
|---|---|---|---|---|---|---|---|---|
| 2 | 150 | ½ | 4¼ | 2¾ | 1⅝ | 2⅝ | 3/16 x 1¼ | 1.60 |
| 50 | 667 | M12 | 108 | 70 | 41 | 67 | 5 x 32 | 0.73 |
| 2½ | 225 | ½ | 4⅞ | 3¼ | 2 | 2⅞ | 3/16 x 1¼ | 2.00 |
| 65 | 1001 | M12 | 124 | 83 | 51 | 73 | 5 x 32 | 0.91 |
| 3 | 310 | ½ | 6¼ | 3⅞ | 2¼ | 3⅛ | 3/16 x 1¼ | 2.30 |
| 80 | 1379 | M12 | 159 | 98 | 57 | 79 | 5 x 32 | 1.04 |
| 3½ | 390 | ½ | 6⅞ | 4½ | 2⅝ | 3½ | ¼ x 1¼ | 2.50 |
| 90 | 1735 | M12 | 175 | 114 | 67 | 89 | 6 x 32 | 1.13 |
| 4 | 475 | ⅝ | 7½ | 4⅞ | 2⅞ | 3⅝ | ¼ x 1½ | 4.00 |
| 100 | 2113 | M16 | 191 | 124 | 73 | 92 | 6 x 38 | 1.81 |
| 5 | 685 | ⅝ | 8⅜ | 6⅜ | 3½ | 4½ | ¼ x 2 | 5.30 |
| 125 | 3047 | M16 | 213 | 162 | 89 | 114 | 6 x 51 | 2.40 |
| 6 | 780 | ¾ | 9⅞ | 7⅝ | 4 | 5 | ¼ x 2 | 7.00 |
| 150 | 3470 | M20 | 251 | 194 | 102 | 127 | 6 x 51 | 9.40 |
| 7 | 780 | ¾ | 11⅛ | 8½ | 4¾ | 5¼ | ¼ x 2 | 9.40 |
| 175 | 3470 | M20 | 283 | 216 | 121 | 133 | 6 x 51 | 4.26 |
| 8 | 780 | ⅞ | 12⅝ | 9½ | 5⅛ | 6⅛ | ⅜ x 2 | 12.30 |
| 200 | 3470 | M20 | 321 | 241 | 130 | 156 | 10 x 51 | 5.58 |
| 10 | 965 | ⅞ | 15 | 11¼ | 6¼ | 7¼ | ⅜ x 2½ | 19.30 |
| 250 | 4293 | M22 | 381 | 286 | 159 | 184 | 10 x 64 | 8.75 |
| 12 | 965 | ⅞ | 17⅛ | 13½ | 7½ | 8⅜ | ½ x 2 | 23.10 |
| 300 | 4293 | M22 | 435 | 343 | 191 | 213 | 13 x 51 | 10.50 |
| 14 | 1200 | 1 | 18⅜ | 14⅝ | 8⅜ | 8¾ | ½ x 2½ | 35.50 |
| 350 | 5338 | M24 | 467 | 371 | 213 | 222 | 13 x 64 | 16.10 |
| 16 | 1400 | 1 | 20½ | 17¼ | 9½ | 9¾ | ½ x 2½ | 46.50 |
| 400 | 6228 | M24 | 521 | 438 | 241 | 248 | 13 x 64 | 21.10 |
| 18 | 1400 | 1 | 23⅛ | 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 | 11⅝ | 12¼ | ⅝ x 3 | 75.90 |
| 500 | 7117 | M30 | 622 | 533 | 295 | 311 | 16 x 76 | 34.40 |
| 24 | 1800 | 1½ | 29⅞ | 24¾ | 14 | 15¾ | ⅝ 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 |