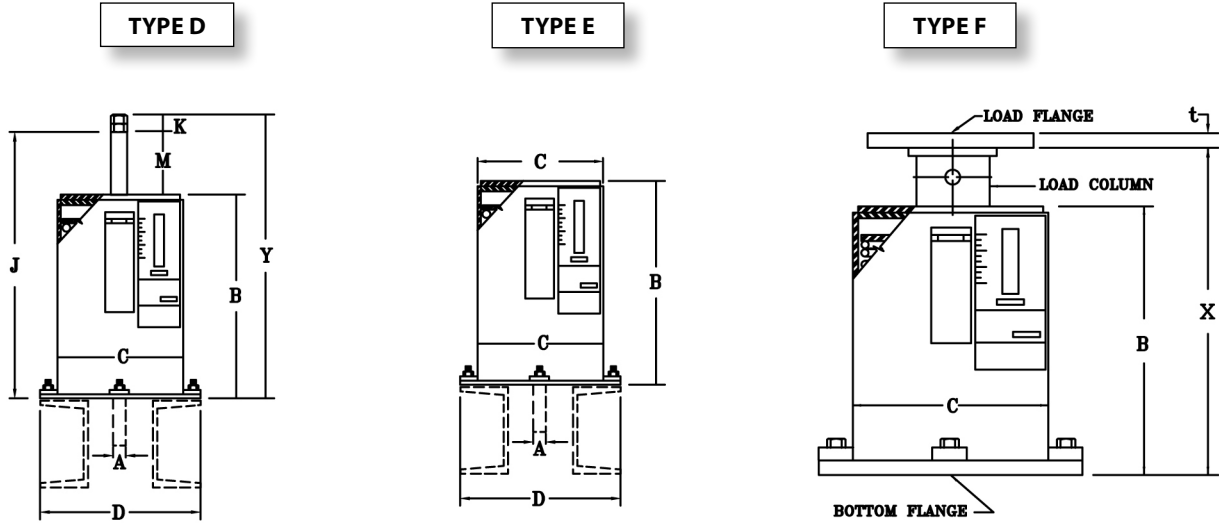




FIG. PTP-2

STANDARD VARIABLE SPRINGS

www.pipingtech.com/ptp2-def



ORDERING: Specify figure number, size, type, description, type, operating load and calculated amount and direction of pipe movement from installed to operating position. Please specify any non-standard requirements, i.e. internally guided load column, jacking bolt, lifting lugs, etc.

| HANGER SIZE | TYPES D & E | | | | | TYPE F | | | | | | | | | |
|-------------|---------------|------------|------------|---------------|------------------------|---------------|---------------|---------------------------|--------|---------------------|------------------|----------------|-----------------|----------|----------------|
| | CASING LENGTH | ROD LENGTH | NUT ALLOW. | SPACER HEIGHT | APPROX. WEIGHT OF EACH | CASING LENGTH | BOTTOM FLANGE | BOTTOM FLANGE BOLT CIRCLE | | BOTTOM FLANGE BOLTS | LOAD COLUMN DIA. | LOAD FLANGE | LOADED LENGTH X | | APPROX. WEIGHT |
| | B | Y | K | M | lb. | B | THK. X SQ. | MIN. | MAX. | | | THK. X SQ. | MIN. | MAX. | |
| 00 | 7 | 11 1/16 | 1 1/4 | 3 1/8 | 6 | 7 | 1/4 x 7 1/2 | 7 | 8 3/4 | 5/8 | 1.900 | 3/16 x 3 13/16 | 8 1/2 | 10 1/2 | 13 |
| 10 | 7 27/32 | 11 15/16 | 1 1/4 | 3 1/8 | 7 | 7 27/32 | 1/4 x 7 1/2 | 7 | 8 3/4 | 5/8 | 1.900 | 3/16 x 3 13/16 | 9 11/32 | 11 11/32 | 13 |
| 20 | 8 5/8 | 12 11/16 | 1 1/4 | 3 1/8 | 8 | 8 5/8 | 1/4 x 7 1/2 | 7 | 8 3/4 | 5/8 | 1.900 | 3/16 x 3 13/16 | 10 1/8 | 12 1/8 | 14 |
| 30 | 7 11/16 | 11 11/16 | 1 1/4 | 3 1/8 | 11 | 7 11/16 | 1/4 x 7 1/2 | 7 3/4 | 8 3/4 | 3/4 | 2.875 | 3/16 x 5 1/4 | 9 3/16 | 11 3/16 | 21 |
| 40 | 8 1/4 | 12 5/16 | 1 1/4 | 3 1/8 | 12 | 8 1/4 | 1/4 x 7 1/2 | 7 3/4 | 8 3/4 | 3/4 | 2.875 | 3/16 x 5 1/4 | 9 3/4 | 11 3/4 | 23 |
| 50 | 9 | 13 | 1 1/4 | 3 1/8 | 14 | 9 | 1/4 x 7 1/2 | 7 3/4 | 8 3/4 | 3/4 | 2.875 | 3/16 x 5 1/4 | 10 1/2 | 12 1/2 | 24 |
| 60 | 8 15/16 | 13 5/16 | 1 1/2 | 3 | 22 | 8 15/16 | 3/8 x 9 | 8 1/8 | 10 7/8 | 3/4 | 3.500 | 1/4 x 6 5/16 | 10 7/16 | 12 7/16 | 37 |
| 70 | 9 7/8 | 14 1/4 | 1 1/2 | 3 | 25 | 9 7/8 | 3/8 x 9 | 8 1/8 | 10 7/8 | 3/4 | 3.500 | 1/4 x 6 5/16 | 11 3/8 | 13 3/8 | 43 |
| 80 | 10 3/8 | 14 3/4 | 1 1/2 | 3 | 26 | 10 3/8 | 3/8 x 9 | 8 1/8 | 10 7/8 | 3/4 | 3.500 | 1/4 x 6 5/16 | 11 7/8 | 13 7/8 | 44 |
| 90 | 10 7/16 | 15 5/8 | 1 3/4 | 3 | 51 | 10 7/16 | 1/2 x 13 1/4 | 12 1/4 | 16 1/2 | 3/4 | 4.500 | 1/2 x 8 1/4 | 11 15/16 | 13 15/16 | 81 |
| 100 | 11 5/8 | 16 7/8 | 1 3/4 | 3 | 58 | 11 5/8 | 1/2 x 13 1/4 | 12 1/4 | 16 1/2 | 3/4 | 4.500 | 1/2 x 8 1/4 | 13 1/8 | 15 1/8 | 88 |
| 110 | 9 7/16 | 14 15/16 | 2 | 3 | 51 | 9 7/16 | 1/2 x 13 1/4 | 12 1/4 | 16 1/2 | 3/4 | 4.500 | 1/2 x 8 1/4 | 10 15/16 | 12 15/16 | 80 |
| 120 | 10 1/4 | 15 13/16 | 2 1/4 | 3 | 56 | 10 1/4 | 1/2 x 13 1/4 | 12 1/4 | 16 1/2 | 3/4 | 4.500 | 1/2 x 8 1/4 | 11 3/4 | 13 3/4 | 85 |
| 130 | 12 3/4 | 18 5/8 | 2 1/2 | 3 | 73 | 12 3/4 | 1/2 x 13 1/4 | 12 1/4 | 16 1/2 | 3/4 | 4.500 | 1/2 x 8 1/4 | 14 1/4 | 16 1/4 | 105 |
| 140 | 13 1/4 | 18 3/4 | 2 1/2 | 3 | 77 | 13 1/4 | 1/2 x 13 1/4 | 12 1/4 | 16 1/2 | 3/4 | 4.500 | 1/2 x 8 1/4 | 14 3/4 | 16 3/4 | 109 |
| 150 | 13 1/8 | 19 3/4 | 3 | 3 | 88 | 13 1/8 | 1/2 x 13 1/4 | 12 1/4 | 16 1/2 | 3/4 | 4.500 | 1/2 x 8 1/4 | 14 5/8 | 16 5/8 | 116 |
| 160 | 15 5/8 | 22 9/16 | 3 1/2 | 3 | 107 | 15 5/8 | 1/2 x 13 1/4 | 12 1/4 | 16 1/2 | 3/4 | 4.500 | 1/2 x 8 1/4 | 17 1/8 | 19 1/8 | 136 |
| 170 | 17 3/4 | 25 1/8 | 4 | 3 | 133 | 17 3/4 | 1/2 x 13 1/4 | 12 1/4 | 16 1/2 | 3/4 | 4.500 | 1/2 x 8 1/4 | 19 1/4 | 21 1/4 | 159 |
| 180 | 19 7/8 | 25 11/16 | 4 9/16 | 3 | 262 | 17 3/8 | 5/8 x 17 1/4 | 17 3/4 | 22 | 3/4 | 5.563 | 1/2 x 12 1/2 | 18 7/8 | 20 7/8 | 313 |
| 190 | 22 1/8 | 28 3/8 | 5 | 3 | 300 | 19 5/8 | 5/8 x 17 1/4 | 17 3/4 | 22 | 3/4 | 5.563 | 1/2 x 12 1/2 | 21 1/8 | 23 1/8 | 350 |
| 200 | 27 1/8 | 32 3/16 | 5 9/16 | 3 | 370 | 23 1/2 | 3/4 x 17 1/4 | 17 3/4 | 22 | 3/4 | 5.563 | 1/2 x 12 1/2 | 25 | 27 | 441 |
| 210 | 29 13/16 | 35 9/16 | 6 1/4 | 3 | 455 | 25 13/16 | 3/4 x 17 1/4 | 17 3/4 | 22 | 3/4 | 5.563 | 1/2 x 12 1/2 | 27 5/16 | 29 5/16 | 466 |
| 220 | 35 1/2 | 42 | 6 5/8 | 3 | 505 | 31 7/8 | 3/4 x 17 1/4 | 17 3/4 | 22 | 3/4 | 5.563 | 1/2 x 12 1/2 | 33 3/8 | 35 3/8 | 624 |

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