

# PYE

## Extra Heavy Load Springs

**Equivalent to ISO 10243**

**Colour - Yellow**



**WIRE**

| Dh | Dd | Lo | C | Maximum Life | | Average Life | | Code |
|---|---|---|---|---|---|---|---|---|
| (mm) | (mm) | (mm) | (Kg/mm) | Pm (Kg) | Lm (mm) | Pa (Kg) | La (mm) | |
| 10 | 5 | 25 | 3.8 | 16.1 | 4.3 | 23.7 | 6.3 | PYE 10 X 025 |
| | | 32 | 2.8 | 15.3 | 5.4 | 22.7 | 8.0 | PYE 10 X 032 |
| | | 38 | 2.4 | 15.7 | 6.5 | 23.0 | 9.5 | PYE 10 X 038 |
| | | 44 | 2.0 | 14.6 | 7.5 | 23.0 | 11.0 | PYE 10 X 044 |
| | | 51 | 1.7 | 14.6 | 8.7 | 21.5 | 12.8 | PYE 10 X 051 |
| | | 64 | 1.3 | 14.6 | 10.9 | 21.5 | 16.0 | PYE 10 X 064 |
| | | 76 | 1.1 | 14.3 | 12.9 | 21.1 | 19.0 | PYE 10 X 076 |
| | | 305 | 0.3 | 13.5 | 51.9 | 20.2 | 76.3 | PYE 10 X 305 |
| 13 | 6.3 | 25 | 6.0 | 25.6 | 4.3 | 37.6 | 6.3 | PYE 13 X 025 |
| | | 32 | 4.5 | 24.1 | 5.4 | 35.8 | 8.0 | PYE 13 X 032 |
| | | 38 | 3.8 | 24.4 | 6.5 | 34.9 | 9.5 | PYE 13 X 038 |
| | | 44 | 3.0 | 22.5 | 7.5 | 34.0 | 11.0 | PYE 13 X 044 |
| | | 51 | 2.7 | 23.2 | 8.7 | 34.2 | 12.8 | PYE 13 X 051 |
| | | 64 | 2.2 | 23.5 | 10.9 | 34.6 | 16.0 | PYE 13 X 064 |
| | | 76 | 1.7 | 22.4 | 12.9 | 33.2 | 19.0 | PYE 13 X 076 |
| | | 89 | 1.5 | 22.2 | 15.1 | 32.9 | 22.3 | PYE 13 X 089 |
| | | 102 | 1.3 | 22.3 | 17.3 | 33.0 | 25.5 | PYE 13 X 102 |
| | | 305 | 0.4 | 22.3 | 51.9 | 33.5 | 76.3 | PYE 13 X 305 |
| 16 | 8 | 25 | 12.0 | 51.7 | 4.3 | 75.8 | 6.3 | PYE 16 X 025 |
| | | 32 | 9.1 | 49.0 | 5.4 | 72.6 | 8.0 | PYE 16X 032 |
| | | 38 | 7.4 | 47.8 | 6.5 | 69.9 | 9.5 | PYE 16 X 038 |
| | | 44 | 6.2 | 46.6 | 7.5 | 68.3 | 11.0 | PYE 16 X 044 |
| | | 51 | 5.3 | 46.4 | 8.7 | 68.2 | 12.8 | PYE 16 X 051 |
| | | 64 | 4.2 | 45.8 | 10.9 | 67.2 | 16.0 | PYE 16 X 064 |
| | | 76 | 3.5 | 44.8 | 12.9 | 66.1 | 19.0 | PYE 16 X 076 |
| | | 89 | 3.0 | 45.3 | 15.1 | 67.1 | 22.3 | PYE 16 X 089 |
| | | 102 | 2.6 | 45.2 | 17.3 | 66.6 | 25.5 | PYE 16 X 102 |
| | | 115 | 2.3 | 44.7 | 19.6 | 65.8 | 28.8 | PYE 16 X 115 |
| | | 305 | 0.9 | 44.1 | 51.9 | 65.4 | 76.3 | PYE 16 X 305 |
| 20 | 10 | 25 | 29.9 | 128.5 | 4.3 | 188.3 | 6.3 | PYE 20 X 025 |
| | | 32 | 22.8 | 123.3 | 5.4 | 182.8 | 8.0 | PYE 20 X 032 |
| | | 38 | 18.1 | 117.3 | 6.5 | 171.6 | 9.5 | PYE 20 X 038 |
| | | 44 | 15.2 | 113.9 | 7.5 | 167.2 | 11.0 | PYE 20 X 044 |
| | | 51 | 13.1 | 113.5 | 8.7 | 167.1 | 12.8 | PYE 20 X 051 |
| | | 64 | 10.1 | 110.0 | 10.9 | 161.6 | 16.0 | PYE 20 X 064 |
| | | 76 | 8.3 | 107.5 | 12.9 | 158.3 | 19.0 | PYE 20 X 076 |
| | | 89 | 7.1 | 106.9 | 15.1 | 158.1 | 22.3 | PYE 20 X 089 |
| | | 102 | 6.2 | 106.9 | 17.3 | 157.6 | 25.5 | PYE 20 X 102 |
| | | 115 | 5.4 | 105.8 | 19.6 | 155.7 | 28.8 | PYE 20 X 115 |
| | | 127 | 4.8 | 104.5 | 21.6 | 154.1 | 31.8 | PYE 20 X 127 |
| | | 139 | 4.4 | 104.2 | 23.8 | 153.5 | 35.0 | PYE 20 X 139 |
| | | 152 | 4.0 | 102.4 | 25.8 | 151.2 | 38.0 | PYE 20 X 152 |
| | | 305 | 2.2 | 112.1 | 51.9 | 165.0 | 76.3 | PYE 20 X 305 |
| 25 | 12.5 | 25 | 46.8 | 201.3 | 4.3 | 295.0 | 6.3 | PYE 25 X 025 |
| | | 32 | 38.2 | 206.2 | 5.4 | 305.5 | 8.0 | PYE 25 X 032 |
| | | 38 | 35.3 | 229.4 | 6.5 | 335.3 | 9.5 | PYE 25 X 038 |
| | | 44 | 24.9 | 186.6 | 7.5 | 273.8 | 11.0 | PYE 25 X 044 |
| | | 51 | 21.2 | 184.1 | 8.7 | 270.9 | 12.8 | PYE 25 X 051 |
| | | 64 | 16.4 | 179.0 | 10.9 | 262.8 | 16.0 | PYE 25 X 064 |
| | | 76 | 13.3 | 172.1 | 12.9 | 253.5 | 19.0 | PYE 25 X 076 |
| | | 89 | 11.3 | 170.2 | 15.1 | 251.3 | 22.3 | PYE 25 X 089 |
| | | 102 | 9.8 | 169.9 | 17.3 | 250.5 | 25.5 | PYE 25 X 102 |
| | | 115 | 8.7 | 171.3 | 19.6 | 251.7 | 28.8 | PYE 25 X 115 |
| | | 127 | 7.8 | 168.0 | 21.6 | 247.5 | 31.8 | PYE 25 X 127 |
| | | 139 | 7.0 | 167.1 | 23.8 | 246.0 | 35.0 | PYE 25 X 139 |
| | | 152 | 6.5 | 166.9 | 25.8 | 246.1 | 38.0 | PYE 25 X 152 |
| | | 178 | 5.5 | 166.3 | 30.3 | 244.7 | 44.5 | PYE 25 X 178 |
| | | 203 | 4.8 | 165.3 | 34.5 | 243.6 | 50.8 | PYE 25 X 203 |
| | | 305 | 3.2 | 163.5 | 51.9 | 240.5 | 76.3 | PYE 25 X 305 |
| 32 | 16 | 38 | 53.9 | 350.2 | 6.5 | 511.8 | 9.5 | PYE 32 X 038 |
| 32 | 16 | 44 | 43.3 | 324.6 | 7.5 | 476.1 | 11.0 | PYE 32 X 044 |
| | | 51 | 36.0 | 313.2 | 8.7 | 460.8 | 12.8 | PYE 32 X 051 |
| | | 64 | 27.5 | 299.2 | 10.9 | 439.3 | 16.0 | PYE 32 X 064 |
| | | 76 | 22.3 | 287.4 | 12.9 | 423.5 | 19.0 | PYE 32 X 076 |
| | | 89 | 18.4 | 277.7 | 15.1 | 410.1 | 22.3 | PYE 32 X 089 |
| | | 102 | 15.8 | 273.5 | 17.3 | 403.2 | 25.5 | PYE 32 X 102 |
| | | 115 | 14.3 | 279.9 | 19.6 | 411.3 | 28.8 | PYE 32 X 115 |
| | | 127 | 12.6 | 273.0 | 21.6 | 402.2 | 31.8 | PYE 32 X 127 |
| | | 139 | 11.5 | 272.5 | 23.8 | 401.0 | 35.0 | PYE 32 X 139 |
| | | 152 | 10.4 | 268.3 | 25.8 | 395.4 | 38.0 | PYE 32 X 152 |
| | | 178 | 9.0 | 272.4 | 30.3 | 400.4 | 44.5 | PYE 32 X 178 |
| | | 203 | 7.8 | 267.4 | 34.5 | 393.8 | 50.8 | PYE 32 X 203 |
| | | 254 | 6.2 | 267.8 | 43.2 | 393.8 | 63.5 | PYE 32 X 254 |
| | | 305 | 5.0 | 259.0 | 51.9 | 381.4 | 76.3 | PYE 32 X 305 |
| 40 | 20 | 51 | 64.1 | 557.2 | 8.7 | 819.9 | 12.8 | PYE 40 X 051 |
| | | 64 | 49.7 | 541.4 | 10.9 | 794.8 | 16.0 | PYE 40 X 064 |
| | | 76 | 38.7 | 498.6 | 12.9 | 734.5 | 19.0 | PYE 40 X 076 |
| | | 89 | 32.7 | 494.4 | 15.1 | 730.1 | 22.3 | PYE 40 X 089 |
| | | 102 | 28.7 | 495.8 | 17.3 | 730.9 | 25.5 | PYE 40 X 102 |
| | | 115 | 25.0 | 489.8 | 19.6 | 719.7 | 28.8 | PYE 40 X 115 |
| | | 127 | 22.5 | 486.9 | 21.6 | 716.9 | 31.8 | PYE 40 X 127 |
| | | 139 | 19.4 | 461.2 | 23.8 | 678.0 | 35.0 | PYE 40 X 139 |
| | | 152 | 17.1 | 442.0 | 25.8 | 651.2 | 38.0 | PYE 40 X 152 |
| | | 178 | 14.9 | 451.2 | 30.3 | 662.7 | 44.5 | PYE 40 X 178 |
| | | 203 | 13.5 | 464.4 | 34.5 | 684.0 | 50.8 | PYE 40 X 203 |
| | | 254 | 10.9 | 471.3 | 43.2 | 693.1 | 63.5 | PYE 40 X 254 |
| | | 305 | 9.0 | 464.5 | 51.9 | 683.3 | 76.3 | PYE 40 X 305 |
| 50 | 25 | 64 | 72.3 | 788.1 | 10.9 | 1157.0 | 16.0 | PYE 50 X 064 |
| | | 76 | 58.3 | 752.1 | 12.9 | 1108.0 | 19.0 | PYE 50 X 076 |
| | | 89 | 48.5 | 732.4 | 15.1 | 1083.0 | 22.3 | PYE 50 X 089 |
| | | 102 | 41.3 | 714.5 | 17.3 | 1053.0 | 25.5 | PYE 50 X 102 |
| | | 115 | 35.9 | 703.6 | 19.6 | 1034.0 | 28.8 | PYE 50 X 115 |
| | | 127 | 32.2 | 695.5 | 21.6 | 1024.0 | 31.8 | PYE 50 X 127 |
| | | 139 | 27.9 | 664.0 | 23.8 | 977.0 | 35.0 | PYE 50 X 139 |
| | | 152 | 24.4 | 629.5 | 25.8 | 927.0 | 38.0 | PYE 50 X 152 |
| | | 178 | 21.9 | 663.6 | 30.3 | 975.0 | 44.5 | PYE 50 X 178 |
| | | 203 | 19.1 | 659.0 | 34.5 | 970.0 | 50.8 | PYE 50 X 203 |
| | | 254 | 15.6 | 673.9 | 43.2 | 991.0 | 63.5 | PYE 50 X 254 |
| | | 305 | 13.0 | 674.7 | 51.9 | 992.0 | 76.3 | PYE 50 X 305 |
| 63 | 38 | 76 | 97.1 | 1252.6 | 12.9 | 1554.0 | 19.0 | PYE 63 X 076 |
| | | 89 | 83.5 | 1260.9 | 15.1 | 1587.0 | 22.3 | PYE 63 X 089 |
| | | 102 | 71.4 | 1235.2 | 17.3 | 1821.0 | 25.5 | PYE 63 X 102 |
| | | 115 | 63.2 | 1238.7 | 19.6 | 1820.0 | 28.8 | PYE 63 X 115 |
| | | 127 | 57.6 | 1244.2 | 21.6 | 1832.0 | 31.8 | PYE 63 X 127 |
| | | 152 | 46.7 | 1204.9 | 25.8 | 1775.0 | 38.0 | PYE 63 X 152 |
| | | 178 | 39.2 | 1187.8 | 30.3 | 1744.0 | 44.5 | PYE 63 X 178 |
| | | 203 | 34.4 | 1186.8 | 34.5 | 1748.0 | 50.8 | PYE 63 X 203 |
| | | 254 | 26.8 | 1157.8 | 43.2 | 1702.0 | 63.5 | PYE 63 X 254 |
| | | 305 | 22.2 | 1152.2 | 51.9 | 1694.0 | 76.3 | PYE 63 X 305 |

**Note :** Spring beyond standard OD, ID & Length can also be manufactured (Refer Page No. 28-29)