

SYH2 重负荷 HEAVY LOAD 铜色 BROWN

| 规格 外径*内径*高度 OD*ID*Lenth | | 刚度 Spring Constant | | 工作极限高度及负荷 Ultimate Working Length And Load | | | |
|-----------------------------------|--------------|--------------------------|--------|--|-------|-------|-----|
| in | mm | N/mm | Lbs/in | in | Lbs | mm | N |
| $\frac{3}{8} * \frac{3}{16} * 1$ | 9.5*4.7*25.4 | 21.7 | 124 | 0.70 | 37.2 | 17.8 | 165 |
| $1\frac{1}{4}$ | 31.8 | 17.2 | 98 | 0.87 | 36.8 | 22.3 | 163 |
| $1\frac{1}{2}$ | 38.1 | 16.8 | 96 | 1.05 | 43.2 | 26.7 | 192 |
| $1\frac{3}{4}$ | 44.5 | 14.7 | 84 | 1.22 | 44.1 | 31.2 | 196 |
| 2 | 50.8 | 12.6 | 72 | 1.40 | 43.2 | 35.6 | 192 |
| $2\frac{1}{2}$ | 63.5 | 10.5 | 60 | 1.75 | 45.0 | 44.5 | 200 |
| 3 | 76.2 | 7.4 | 42 | 2.10 | 37.8 | 53.3 | 169 |
| 12 | 305.0 | 2.1 | 12 | 8.40 | 43.2 | 213.5 | 192 |
| $\frac{1}{2} * \frac{9}{32} * 1$ | 13*7*25.4 | 41.3 | 236 | 0.70 | 70.8 | 17.8 | 314 |
| $1\frac{1}{4}$ | 31.8 | 32.6 | 186 | 0.87 | 69.8 | 22.3 | 310 |
| $1\frac{1}{2}$ | 38.1 | 28.7 | 164 | 1.05 | 73.8 | 26.7 | 328 |
| $1\frac{3}{4}$ | 44.5 | 24.2 | 138 | 1.22 | 72.5 | 31.2 | 322 |
| 2 | 50.8 | 19.3 | 110 | 1.40 | 66.0 | 35.6 | 293 |
| $2\frac{1}{2}$ | 63.5 | 15.8 | 84 | 1.75 | 63.0 | 44.5 | 300 |
| 3 | 76.2 | 13.0 | 74 | 2.10 | 66.6 | 53.3 | 285 |
| $3\frac{1}{2}$ | 88.9 | 11.2 | 64 | 2.45 | 67.2 | 62.2 | 299 |
| 12 | 305.0 | 2.8 | 16 | 8.40 | 57.6 | 213.5 | 256 |
| $\frac{5}{8} * \frac{11}{32} * 1$ | 16*8.7*25.4 | 74.2 | 424 | 0.70 | 127.2 | 17.8 | 564 |
| $1\frac{1}{4}$ | 31.8 | 51.8 | 296 | 0.87 | 111.0 | 22.3 | 492 |
| $1\frac{1}{2}$ | 38.1 | 47.6 | 272 | 1.05 | 122.4 | 26.7 | 543 |
| $1\frac{3}{4}$ | 44.5 | 42.0 | 240 | 1.22 | 126.0 | 31.2 | 559 |
| 2 | 50.8 | 36.4 | 208 | 1.40 | 124.8 | 35.6 | 553 |

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|-------------------------------------|---------------|-------|------|------|-------|-------|------|
| $\frac{1}{2}$ | 63.5 | 29.8 | 170 | 1.75 | 127.5 | 44.5 | 566 |
| 3 | 76.2 | 25.2 | 144 | 2.10 | 129.6 | 53.3 | 577 |
| $\frac{1}{3}$ | 88.9 | 21.3 | 122 | 2.45 | 128.1 | 62.2 | 569 |
| 4 | 101.6 | 18.9 | 108 | 2.80 | 129.6 | 71.1 | 576 |
| 12 | 305.0 | 7.0 | 40 | 8.40 | 144.0 | 213.5 | 648 |
| $\frac{3}{4} \times \frac{3}{8} *1$ | 19.5*9.5*25.4 | 189.1 | 1080 | 0.70 | 324.0 | 17.8 | 1362 |
| $\frac{1}{4}$ | 31.8 | 154.1 | 880 | 0.87 | 330.0 | 22.3 | 1464 |
| $\frac{1}{2}$ | 38.1 | 114.9 | 656 | 1.05 | 295.2 | 26.7 | 1310 |
| $\frac{3}{4}$ | 44.5 | 105.1 | 600 | 1.22 | 315.0 | 31.2 | 1398 |
| 2 | 50.8 | 86.9 | 496 | 1.40 | 297.6 | 35.6 | 1321 |
| $\frac{1}{2}$ | 63.5 | 65.9 | 376 | 1.75 | 282.0 | 44.5 | 1252 |
| 3 | 76.2 | 54.6 | 312 | 2.10 | 280.8 | 53.3 | 1250 |
| $\frac{1}{3}$ | 88.9 | 46.3 | 264 | 2.45 | 277.2 | 62.2 | 1326 |
| 4 | 101.6 | 40.6 | 232 | 2.80 | 278.4 | 71.1 | 1238 |
| $\frac{1}{2}$ | 114.3 | 35.0 | 200 | 3.15 | 270.0 | 80.0 | 1201 |
| 5 | 127.0 | 30.8 | 176 | 3.50 | 264.0 | 88.9 | 1173 |
| $\frac{1}{5}$ | 139.7 | 28.0 | 160 | 3.85 | 264.0 | 97.8 | 1173 |
| 6 | 152.4 | 25.2 | 144 | 4.20 | 259.2 | 106.7 | 1152 |
| 12 | 305.0 | 12.6 | 72 | 8.40 | 259.2 | 213.5 | 1153 |
| $1 \times \frac{1}{2} *1$ | 25.5*13*25.4 | 364.3 | 2080 | 0.70 | 624.0 | 17.8 | 2769 |
| $\frac{1}{4}$ | 31.8 | 300.0 | 1712 | 0.87 | 642.0 | 22.3 | 2769 |
| $\frac{1}{2}$ | 38.1 | 207.4 | 1184 | 1.05 | 532.8 | 26.7 | 2364 |
| $\frac{3}{4}$ | 44.5 | 182.1 | 1040 | 1.22 | 546.0 | 31.2 | 2422 |
| 2 | 50.8 | 147.1 | 840 | 1.40 | 504.0 | 35.6 | 2236 |
| $\frac{1}{2}$ | 63.5 | 119.1 | 680 | 1.75 | 510.0 | 44.5 | 2263 |
| 3 | 76.2 | 95.3 | 544 | 2.10 | 489.6 | 53.3 | 2182 |
| $\frac{1}{3}$ | 88.9 | 79.8 | 456 | 2.45 | 478.8 | 62.2 | 2131 |

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铜色 BROWN

| 规格 外径*内径*高度 OD*ID*Lenth | | 刚度 Spring Constant | | 工作极限高度及负荷 Ultimate Working Length And Load | | | |
|---|----------------|--------------------------|--------|--|------|-------|------|
| in | mm | N/mm | Lbs/in | in | Lbs | mm | N |
| $1\frac{1}{2}$ *4 | 25.5*13*101.6 | 70.0 | 400 | 2.80 | 480 | 71.1 | 2135 |
| $4\frac{1}{2}$ | 114.3 | 61.6 | 352 | 3.15 | 475 | 80.0 | 2113 |
| 5 | 127.0 | 54.6 | 312 | 3.50 | 468 | 88.9 | 2080 |
| $5\frac{1}{2}$ | 139.7 | 50.4 | 288 | 3.85 | 475 | 97.8 | 2112 |
| 6 | 152.4 | 44.8 | 256 | 4.20 | 461 | 106.7 | 2047 |
| 7 | 177.8 | 39.2 | 224 | 4.90 | 470 | 124.4 | 2093 |
| 8 | 203.2 | 33.6 | 192 | 5.60 | 461 | 142.2 | 2095 |
| 12 | 305.0 | 21.0 | 120 | 8.40 | 432 | 213.5 | 1922 |
| $1\frac{1}{4}$ * $\frac{5}{8}$ * $1\frac{1}{2}$ | 32*16*38.1 | 371.3 | 2120 | 1.05 | 954 | 26.7 | 4233 |
| $3\frac{3}{4}$ | 44.5 | 318.0 | 1816 | 1.22 | 953 | 31.2 | 4229 |
| 2 | 50.8 | 262.0 | 1496 | 1.40 | 898 | 35.6 | 3982 |
| $2\frac{1}{2}$ | 63.5 | 205.9 | 1176 | 1.75 | 882 | 44.5 | 3912 |
| 3 | 76.2 | 166.7 | 952 | 2.10 | 857 | 53.3 | 3817 |
| $3\frac{1}{2}$ | 88.9 | 131.7 | 752 | 2.45 | 790 | 62.2 | 3516 |
| 4 | 101.6 | 116.3 | 664 | 2.80 | 797 | 71.1 | 3547 |
| $4\frac{1}{2}$ | 114.3 | 102.3 | 584 | 3.15 | 788 | 80.0 | 3509 |
| 5 | 127.0 | 86.9 | 496 | 3.50 | 744 | 88.9 | 3311 |
| $5\frac{1}{2}$ | 139.7 | 82.7 | 472 | 3.85 | 779 | 97.8 | 3465 |
| 6 | 152.4 | 74.2 | 424 | 4.20 | 763 | 106.7 | 3431 |
| 7 | 177.8 | 64.4 | 368 | 4.90 | 773 | 124.4 | 3501 |
| 8 | 203.2 | 57.4 | 328 | 5.60 | 787 | 142.2 | 3501 |
| 10 | 254.0 | 44.8 | 256 | 7.00 | 768 | 177.8 | 3414 |
| 12 | 305.0 | 36.4 | 208 | 8.40 | 749 | 213.5 | 3331 |
| $1\frac{1}{2}$ * $\frac{3}{4}$ *2 | 38.5*19.5*50.8 | 333.4 | 1094 | 1.40 | 1142 | 35.6 | 5068 |

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|-------------------|--------------|-------|------|------|------|-------|------|
| $\frac{1}{2}$ | 63.5 | 260.6 | 1488 | 1.75 | 1116 | 44.5 | 4951 |
| 3 | 76.2 | 214.4 | 1224 | 2.10 | 1102 | 53.3 | 4910 |
| $\frac{1}{3}$ | 88.9 | 186.3 | 1064 | 2.45 | 1117 | 62.2 | 4974 |
| 4 | 101.6 | 159.7 | 912 | 2.80 | 1094 | 74.1 | 4871 |
| $\frac{1}{4}$ | 114.3 | 137.3 | 784 | 3.15 | 1058 | 80.0 | 4709 |
| 5 | 127.0 | 124.7 | 712 | 3.50 | 1068 | 88.9 | 4751 |
| $\frac{1}{5}$ | 139.7 | 112.1 | 640 | 3.85 | 1056 | 97.8 | 4697 |
| 6 | 152.4 | 102.3 | 584 | 4.20 | 1051 | 106.7 | 4675 |
| 7 | 177.8 | 86.9 | 496 | 4.90 | 1042 | 124.4 | 4640 |
| 8 | 203.2 | 75.7 | 432 | 5.60 | 1037 | 142.2 | 4618 |
| 10 | 254.0 | 60.2 | 344 | 7.00 | 1032 | 213.5 | 4587 |
| 12 | 305.0 | 50.4 | 288 | 8.40 | 1037 | 213.5 | 4612 |
| $2*1*\frac{1}{2}$ | 51*25.5*63.5 | 386.3 | 2200 | 1.75 | 1650 | 44.5 | 7321 |
| 3 | 76.2 | 325.1 | 1856 | 2.10 | 1670 | 53.3 | 7445 |
| $\frac{1}{3}$ | 88.9 | 280.2 | 1600 | 2.45 | 1680 | 62.2 | 6361 |
| 4 | 101.6 | 234.0 | 1336 | 2.80 | 1603 | 71.1 | 7137 |
| $\frac{1}{4}$ | 114.3 | 205.9 | 1176 | 3.15 | 1588 | 80.0 | 7062 |
| 5 | 127.0 | 182.1 | 1040 | 3.50 | 1560 | 88.9 | 6938 |
| $\frac{1}{5}$ | 139.7 | 162.5 | 928 | 3.85 | 1513 | 97.8 | 6809 |
| 6 | 152.4 | 145.7 | 832 | 4.20 | 1498 | 106.7 | 6658 |
| 7 | 177.8 | 128.9 | 736 | 4.90 | 1546 | 124.4 | 6883 |
| 8 | 203.2 | 112.1 | 640 | 5.60 | 1536 | 142.2 | 6838 |
| 10 | 254.0 | 85.5 | 488 | 7.00 | 1464 | 177.8 | 6515 |
| 12 | 305.0 | 70.0 | 400 | 8.40 | 1440 | 213.5 | 6405 |