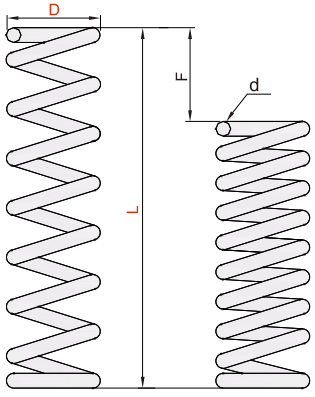
# 压缩弹簧 ◂ 外径基准型·SWP材质·允许位移量L×60%






| 代码 | 类型 | 材质 | | 表面处理 | 允许低移量 | 弹簧常数公差 |
|---|---|---|---|---|---|---|
| | | 国标 | 相当 | | | |
| AWR | 外径基准型 | 琴钢丝 | SWP | 发黑 | L×60% | ±10% |

- 外径D公差: Ø10以下-0.5mm~0mm；Ø12以上-0.8mm~0mm
- 长度L公差: 50以下±1.5, 55以上±2.5
- 压紧长度为参考值, 因批次不同会有偏差,
- 理论使用次数100万次
- 两端均未进行磨削加工。
- 此系列为外径基准型弹簧, 以保证外径公差进行生产, 外径为负公差, 适合配孔使用, 内径仅做参考 (按负公差), 选型时注意。
- 此系列产品因结构升级改进, 产品尺寸略有变动, 新旧款交替期间, 出货时可能有不同款产品, 均不影响使用。

| 型号 | | | d | 压紧长度 | Fmax | 允许负载 Nmax | 弹簧常数 N/mm |
|---|---|---|---|---|---|---|---|
| 代码 | D | L | | | | | |
| AWR | 3 | 5 | 0.23 | 1.8 | 3 | 0.9 | 0.30 |
| | | 10 | 0.25 | 2.3 | 6 | 1.8 | 0.30 |
| | | 15 | 0.3 | 4.8 | 9 | 2.6 | 0.29 |
| | | 20 | 0.3 | 4.8 | 12 | 3.5 | 0.29 |
| | | 25 | 0.32 | 6.8 | 15 | 4.4 | 0.29 |
| | | 30 | 0.32 | 6.8 | 18 | 5.3 | 0.29 |
| | | 35 | 0.35 | 11.5 | 21 | 6.2 | 0.30 |
| | | 40 | 0.35 | 11.5 | 24 | 7.1 | 0.30 |
| | 4 | 5 | 0.26 | 1.6 | 3 | 0.9 | 0.30 |
| | | 10 | 0.29 | 2.2 | 6 | 1.8 | 0.30 |
| | | 15 | 0.32 | 3.2 | 9 | 2.6 | 0.29 |
| | | 20 | 0.38 | 6.5 | 12 | 3.5 | 0.29 |
| | | 25 | 0.38 | 6.5 | 15 | 4.4 | 0.29 |
| | | 30 | 0.4 | 8.4 | 18 | 5.3 | 0.29 |
| | | 35 | 0.4 | 8.4 | 21 | 6.2 | 0.30 |
| | | 40 | 0.45 | 15 | 24 | 7.1 | 0.30 |
| | | 45 | 0.45 | 15 | 27 | 7.9 | 0.29 |
| | | 50 | 0.45 | 15 | 30 | 8.8 | 0.29 |
| | | 55 | 0.45 | 15 | 33 | 9.7 | 0.29 |
| | | 60 | 0.5 | 23.5 | 36 | 10.6 | 0.29 |
| | | 65 | 0.5 | 25 | 39 | 11.5 | 0.29 |
| | | 70 | 0.5 | 25 | 42 | 12.4 | 0.30 |
| | 5 | 5 | 0.3 | 1.6 | 3 | 0.9 | 0.30 |
| | | 10 | 0.35 | 1.6 | 6 | 0.8 | 0.30 |
| | | 15 | 0.35 | 2.8 | 9 | 2.6 | 0.29 |
| | | 20 | 0.4 | 4.8 | 12 | 3.8 | 0.29 |
| | | 25 | 0.45 | 8 | 15 | 4.4 | 0.29 |
| | | 30 | 0.45 | 8 | 18 | 5.3 | 0.29 |
| | | 35 | 0.5 | 12.5 | 21 | 8.2 | 0.30 |
| | | 40 | 0.5 | 12.5 | 24 | 7.1 | 0.30 |
| | | 45 | 0.55 | 17.6 | 27 | 7.9 | 0.29 |
| | | 50 | 0.55 | 18 | 30 | 8.8 | 0.29 |
| | | 55 | 0.55 | 20 | 33 | 9.7 | 0.29 |
| | | 60 | 0.55 | 20 | 36 | 10.6 | 0.29 |
| | | 65 | 0.55 | 20.9 | 39 | 11.5 | 0.29 |
| | | 70 | 0.55 | 20.9 | 42 | 12.4 | 0.30 |

| 型号 | | | d | 压紧长度 | Fmax | 允许负载 Nmax | 弹簧常数 N/mm |
|---|---|---|---|---|---|---|---|
| 代码 | D | L | | | | | |
| AWR | 6 | 5 | 0.32 | 1.6 | 3 | 0.9 | 0.30 |
| | | 10 | 0.4 | 3.2 | 6 | 1.8 | 0.30 |
| | | 15 | 0.4 | 3.2 | 9 | 2.6 | 0.29 |
| | | 20 | 0.5 | 7.5 | 12 | 3.5 | 0.29 |
| | | 25 | 0.5 | 7.5 | 15 | 4.4 | 0.29 |
| | | 30 | 0.5 | 7.5 | 18 | 5.3 | 0.29 |
| | | 35 | 0.55 | 11.5 | 21 | 6.2 | 0.30 |
| | | 40 | 0.55 | 11.5 | 24 | 7.1 | 0.30 |
| | | 45 | 0.6 | 17.4 | 27 | 7.9 | 0.29 |
| | | 50 | 0.6 | 17.4 | 30 | 8.8 | 0.29 |
| | | 55 | 0.6 | 17.4 | 33 | 9.7 | 0.29 |
| | | 60 | 0.6 | 17.4 | 36 | 10.6 | 0.29 |
| | | 65 | 0.6 | 17.4 | 39 | 11.5 | 0.29 |
| | | 70 | 0.6 | 17.4 | 42 | 12.4 | 0.30 |
| | | 80 | 0.65 | 27.3 | 48 | 14.1 | 0.29 |
| | 8 | 10 | 0.45 | 2.7 | 6 | 1.8 | 0.30 |
| | | 15 | 0.5 | 4 | 9 | 2.6 | 0.29 |
| | | 20 | 0.5 | 4 | 12 | 3.5 | 0.29 |
| | | 25 | 0.55 | 5.8 | 15 | 4.4 | 0.29 |
| | | 30 | 0.6 | 8.4 | 18 | 5.3 | 0.29 |
| | | 35 | 0.6 | 8.4 | 21 | 6.7 | 0.30 |
| | | 40 | 0.6 | 8.4 | 24 | 7.1 | 0.30 |
| | | 45 | 0.7 | 16 | 27 | 7.9 | 0.29 |
| | | 50 | 0.7 | 16 | 30 | 8.8 | 0.29 |
| | | 55 | 0.7 | 16 | 33 | 9.7 | 0.29 |
| | | 60 | 0.7 | 16 | 36 | 10.6 | 0.29 |
| | | 65 | 0.7 | 16 | 39 | 11.5 | 0.29 |
| | | 70 | 0.7 | 16 | 42 | 12.4 | 0.30 |
| | | 80 | 0.75 | 22.9 | 48 | 14.1 | 0.29 |
| | 10 | 10 | 0.55 | 3.6 | 6 | 1.8 | 0.30 |
| | | 15 | 0.6 | 4.8 | 9 | 2.6 | 0.29 |
| | | 20 | 0.65 | 6.5 | 12 | 3.5 | |
| | | 25 | 0.65 | 6.5 | 15 | 4.4 | |
| | | 30 | 0.7 | 8.8 | 18 | 5.3 | |
| | | 35 | 0.7 | 8.8 | 21 | 6.2 | 0.30 |
| | | 40 | 0.7 | 8.8 | 24 | 7.1 | 0.30 |

www.vipdo.cn 400-098-1117 工厂自动化零件一站式采购平台
汇集国内外知名品牌，让采购更便捷，让设计更高效！

# 压缩弹簧 ◂ 外径基准型·SWP材质·允许位移量L×60%

| 型号 | | | d | 压紧长度 | Fmax | 允许负载 Nmax | 弹簧常数 N/mm |
|---|---|---|---|---|---|---|---|
| 代码 | D | L | | | | | |
| AWR | 10 | 45 | 0.8 | 16 | 27 | 7.9 | 0.29 |
| | | 50 | 0.8 | 16 | 30 | 8.8 | 0.29 |
| | | 55 | 0.8 | 16 | 33 | 9.7 | 0.29 |
| | | 60 | 0.85 | 21 | 36 | 10.6 | 0.29 |
| | | 65 | 0.85 | 21 | 39 | 11.5 | 0.29 |
| | | 70 | 0.85 | 21 | 42 | 12.4 | 0.30 |
| | | 80 | 0.9 | 28.8 | 48 | 14.1 | 0.29 |
| | 12 | 10 | 0.6 | 3.6 | 6 | 1.8 | 0.30 |
| | | 15 | 0.65 | 4.6 | 9 | 2.6 | 0.29 |
| | | 20 | 0.65 | 4.6 | 12 | 3.5 | 0.29 |
| | | 25 | 0.7 | 6 | 15 | 4.4 | 0.29 |
| | | 30 | 0.7 | 6 | 18 | 5.3 | 0.29 |
| | | 35 | 0.7 | 6 | 21 | 6.2 | 0.30 |
| | | 40 | 0.8 | 10.4 | 24 | 7.1 | 0.30 |
| | | 45 | 0.8 | 10.4 | 27 | 7.9 | 0.29 |
| | | 50 | 0.9 | 17.1 | 30 | 8.8 | 0.29 |
| | | 55 | 0.9 | 17.1 | 33 | 9.7 | 0.29 |
| | | 60 | 0.9 | 17.1 | 36 | 10.6 | 0.29 |
| | | 65 | 0.9 | 17.1 | 39 | 11.5 | 0.29 |
| | | 70 | 0.9 | 17.1 | 42 | 12.4 | 0.30 |
| | | 80 | 1 | 28 | 48 | 14.1 | 0.29 |
| | 13 | 10 | 0.6 | 3.2 | 6 | 1.8 | 0.30 |
| | | 15 | 0.7 | 4.9 | 9 | 2.6 | 0.29 |
| | | 20 | 0.7 | 4.9 | 12 | 3.5 | 0.29 |
| | | 25 | 0.8 | 8.4 | 15 | 4.4 | 0.29 |
| | | 30 | 0.8 | 8.4 | 18 | 5.3 | 0.29 |
| | | 35 | 0.8 | 8.4 | 21 | 6.2 | 0.30 |
| | | 40 | 0.9 | 13.5 | 24 | 7.1 | 0.30 |
| | | 45 | 0.9 | 13.5 | 27 | 7.9 | 0.29 |
| | | 50 | 0.9 | 13.5 | 30 | 8.8 | 0.29 |
| | | 55 | 0.9 | 13.5 | 33 | 9.7 | 0.29 |
| | | 60 | 1 | 22 | 36 | 10.6 | 0.29 |
| | | 65 | 1 | 22 | 39 | 11.5 | 0.29 |
| | | 70 | 1 | 22 | 42 | 12.4 | 0.30 |
| | | 80 | 1 | 22 | 48 | 14.1 | 0.29 |
| | | 90 | 1 | 22 | 54 | 15.9 | 0.29 |
| | 14 | 15 | 0.7 | 4.6 | 9 | 2.6 | 0.29 |
| | | 20 | 0.75 | 5.6 | 12 | 3.5 | 0.29 |
| | | 25 | 0.8 | 7.2 | 15 | 4.4 | 0.29 |
| | | 30 | 0.8 | 7.2 | 18 | 5.3 | 0.29 |
| | | 35 | 0.8 | 7.2 | 21 | 6.2 | 0.30 |
| | | 40 | 0.9 | 11.3 | 24 | 7.1 | 0.30 |
| | | 45 | 0.9 | 11.3 | 27 | 7.9 | 0.29 |
| | | 50 | 0.9 | 11.3 | 30 | 8.8 | 0.29 |
| | | 55 | 1 | 18 | 33 | 9.7 | 0.29 |
| | | 60 | 1 | 18 | 36 | 10.6 | 0.29 |
| | | 65 | 1 | 18 | 39 | 11.5 | 0.29 |
| | | 70 | 1 | 18 | 42 | 12.4 | 0.30 |
| | | 80 | 1.1 | 28.6 | 48 | 14.1 | 0.29 |
| | | 90 | 1.1 | 28.6 | 54 | 15.9 | 0.29 |
| | 16 | 15 | 0.75 | 4.5 | 9 | 2.6 | 0.29 |
| | | 20 | 0.8 | 5.6 | 12 | 3.5 | 0.29 |
| | | 25 | 0.9 | 8 | 15 | 4.4 | 0.29 |
| | | 30 | 0.9 | 8 | 18 | 5.3 | 0.29 |
| | | 35 | 0.9 | 8 | 21 | 6.2 | 0.30 |

| 型号 | | | d | 压紧长度 | Fmax | 允许负载 Nmax | 弹簧常数 N/mm |
|---|---|---|---|---|---|---|---|
| 代码 | D | L | | | | | |
| AWR | 16 | 40 | 1 | 13 | 24 | 7.1 | 0.30 |
| | | 45 | 1 | 13 | 27 | 7.9 | 0.29 |
| | | 50 | 1 | 13 | 30 | 8.8 | 0.29 |
| | | 55 | 1 | 13 | 33 | 9.7 | 0.29 |
| | | 60 | 1.1 | 20 | 36 | 10.6 | 0.29 |
| | | 65 | 1.1 | 20 | 39 | 11.5 | 0.29 |
| | | 70 | 1.1 | 20 | 42 | 12.4 | 0.30 |
| | | 80 | 1.1 | 20 | 48 | 14.1 | 0.29 |
| | | 90 | 1.2 | 28.8 | 54 | 15.9 | 0.29 |
| | 18 | 20 | 1 | 7 | 12 | 5.8 | 0.48 |
| | | 25 | 1 | 7 | 15 | 7.4 | 0.49 |
| | | 30 | 1.1 | 9.9 | 18 | 8.8 | |
| | | 35 | 1.1 | 9.9 | 21 | 10.3 | |
| | | 40 | 1.2 | 14.4 | 24 | 11.8 | |
| | | 45 | 1.2 | 14.4 | 27 | 13.2 | |
| | | 50 | 1.2 | 14.4 | 30 | 14.7 | |
| | | 55 | 1.3 | 19.5 | 33 | 16.2 | |
| | | 60 | 1.3 | 19.5 | 36 | 17.7 | |
| | | 65 | 1.3 | 19.5 | 39 | 19.1 | |
| | | 70 | 1.3 | 19.5 | 42 | 20.6 | |
| | | 80 | 1.4 | 27.3 | 48 | 23.5 | |
| | 20 | 20 | 1 | 6 | 12 | 5.8 | 0.48 |
| | | 25 | 1.1 | 8.3 | 15 | 7.4 | 0.49 |
| | | 30 | 1.1 | 8.3 | 18 | 8.8 | |
| | | 35 | 1.2 | 10.8 | 21 | 10.3 | |
| | | 40 | 1.2 | 10.8 | 24 | 11.8 | |
| | | 45 | 1.2 | 10.8 | 27 | 13.2 | |
| | | 50 | 1.3 | 15 | 30 | 14.7 | |
| | | 55 | 1.3 | 15 | 33 | 16.2 | |
| | | 60 | 1.3 | 15 | 36 | 17.7 | |
| | | 65 | 1.3 | 15 | 39 | 19.1 | |
| | | 70 | 1.4 | 21 | 42 | 20.6 | |
| | | 80 | 1.4 | 21 | 48 | 23.5 | |
| | 22 | 20 | 1.1 | 6.9 | 12 | 5.9 | |
| | | 25 | 1.2 | 9 | 15 | 7.4 | |
| | | 30 | 1.2 | 9 | 18 | 8.8 | |
| | | 35 | 1.3 | 12.4 | 21 | 10.3 | |
| | | 40 | 1.3 | 12.4 | 24 | 11.8 | |
| | | 45 | 1.3 | 12.4 | 27 | 13.2 | |
| | | 50 | 1.4 | 16.1 | 30 | 14.7 | |
| | | 55 | 1.4 | 16.1 | 33 | 16.2 | |
| | | 60 | 1.4 | 16.1 | 36 | 17.7 | |
| | | 65 | 1.5 | 22.5 | 39 | 19.1 | |
| | | 70 | 1.5 | 22.5 | 42 | 20.6 | |
| | | 80 | 1.5 | 22.5 | 48 | 23.5 | |
| | 27 | 30 | 1.3 | 8.5 | 18 | 8.8 | |
| | | 35 | 1.4 | 10.5 | 21 | 10.3 | |
| | | 40 | 1.4 | 10.5 | 24 | 11.8 | |
| | | 45 | 1.4 | 10.5 | 27 | 13.2 | |
| | | 50 | 1.6 | 17.6 | 30 | 14.7 | |
| | | 55 | 1.6 | 17.6 | 33 | 16.2 | |
| | | 60 | 1.6 | 17.6 | 36 | 17.7 | |
| | | 65 | 1.7 | 22.1 | 39 | 19.1 | |
| | | 70 | 1.7 | 22.1 | 42 | 20.6 | |
| | | 80 | 1.7 | 22.1 | 48 | 23.5 | |

①允许位移量Fmax:表示弹簧允许压缩的最大长度，超出此压缩量使用弹簧会缩短。
②允许负载Nmax:表示压缩Fmax的负载，单位N。
③弹簧常数N/mm=(Nmax)/(Fmax)。

请按图示订货

■ **AWR-D3-L10**

| 型号 | | |
|---|---|---|
| 代码 | D | L |
| AWR | 3 | 5<br>10 |

交期Delivery

4天 发货

○本产品发货时间不含周日

www.vipdo.cn 400-098-1117 工厂自动化零件一站式采购平台
汇集国内外知名品牌，让采购更便捷，让设计更高效！