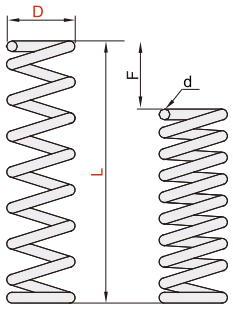
# 压缩弹簧 ◂ 外径基准不锈钢型·允许位移量L×(27~40)%






| 代码 | 类型 | 材质 | | 允许位移量 | 弹簧常数公差 |
|---|---|---|---|---|---|
| | | 国标 | 相当 | | |
| AUL | 外径基准不锈钢型 | OCr18Ni9 | SUS304-WPB | L×40% | ±10% |
| AUTT | | | | L×(27~40)% | |

■外径D公差∅10以下-0.5mm~0mm
∅12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。
■带( )内的L规格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,适合配合孔使用,内径仅做参考(按负公差),选型时请注意。
■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 代码 | D | L | d | 压紧长度 | F max | 允许负载 Nmax | 弹簧常数 N/mm |
|---|---|---|---|---|---|---|---|
| AUL | 2 | (5) | 0.20 | 1.65 | 2 | 0.98 | 0.49 |
| | | (10) | 0.26 | 5.07 | 4 | 1.96 | |
| | | (15) | | | 6 | 2.94 | |
| | | (20) | 0.30 | 9.9 | 8 | 3.92 | |
| | | (25) | 0.32 | 14.1 | 10 | 4.9 | |
| | | (30) | | | 12 | 5.88 | |
| | 3 | (5) | 0.30 | 2 | 2 | 2 | 1.00 |
| | | (10) | 0.35 | 3.7 | 4 | 3.9 | 0.98 |
| | | (15) | 0.4 | 6.6 | 6 | 5.9 | |
| | | (20) | | | 8 | 7.8 | |
| | | (25) | 0.45 | 11.7 | 10 | 9.8 | |
| | | (30) | | | 12 | 11.8 | |
| | | (35) | | | 14 | 13.7 | |
| | | (40) | 0.5 | 20 | 16 | 15.7 | |
| | 4 | (5) | 0.35 | 2.1 | 2 | 2 | 1.00 |
| | | (10) | 0.45 | 5.3 | 4 | 3.9 | 0.98 |
| | | (15) | | | 6 | 5.9 | |
| | | (20) | 0.5 | 8 | 8 | 7.8 | |
| | | (25) | 0.5 | 8 | 10 | 9.8 | |
| | | (30) | 0.55 | 12.7 | 12 | 11.8 | |
| | | (35) | | | 14 | 13.7 | |
| | | 40 | 0.6 | 19.8 | 16 | 15.7 | |
| | | 45 | | | 18 | 17.7 | |
| | | 50 | | | 20 | 19.6 | |
| | | 60 | 0.65 | 29.9 | 24 | 23.5 | |
| | 5 | (5) | 0.4 | 2.2 | 2 | 2 | 1.00 |
| | | (10) | 0.5 | 4.75 | 4 | 3.9 | 0.98 |
| | | (15) | | | 6 | 5.9 | |
| | | (20) | 0.55 | 6.88 | 8 | 7.8 | |
| | | (25) | 0.55 | 6.88 | 10 | 9.8 | |
| | | 30 | 0.65 | 14.95 | 12 | 11.8 | |
| | | 35 | | | 14 | 13.7 | |
| | | 40 | 0.65 | 14.95 | 16 | 15.7 | |
| | | 45 | 0.7 | 21.7 | 18 | 17.7 | |
| | | 50 | | | 20 | 19.6 | |
| | | 60 | 0.75 | 30.75 | 24 | 23.5 | |
| | 6 | (5) | 0.45 | 2.3 | 2 | 2 | 1.00 |
| | | (10) | 0.55 | 4.4 | 4 | 3.9 | 0.98 |
| | | (15) | | | 6 | 5.9 | |
| | | 20 | 0.65 | 8.5 | 8 | 7.8 | |
| | | 25 | | | 10 | 9.8 | |
| | | 30 | 0.7 | 12.6 | 12 | 11.8 | |
| | | 35 | | | 14 | 13.7 | |
| | | 40 | 0.7 | 12.6 | 16 | 15.7 | |
| | | 45 | 0.75 | 17.3 | 18 | 17.7 | |
| | | 50 | | | 20 | 19.6 | |
| | | 60 | 0.8 | 24.8 | 24 | 23.5 | |
| | | 70 | | | 28 | 27.5 | |
| | 8 | 10 | 0.65 | 4.6 | 4 | 3.9 | 0.98 |
| | | 15 | 0.75 | 8.3 | 6 | 5.9 | |
| | | 20 | | | 8 | 7.8 | |
| | | 25 | | | 10 | 9.8 | |
| | | 30 | 0.8 | 10.4 | 12 | 11.8 | |
| | | 35 | | | 14 | 13.7 | |
| | | 40 | | | 16 | 15.7 | |
| | | 45 | 0.85 | 14.5 | 18 | 17.7 | |
| | | 50 | 0.85 | 14.5 | 20 | 19.6 | |
| | | 60 | 0.9 | 18 | 24 | 23.5 | |
| | | 70 | 1.0 | 30 | 28 | 27.5 | |
| | | 80 | | | 32 | 31.4 | |

| 型号 代码 | D | L | d | 压紧长度 | F max | 允许负载 Nmax | 弹簧常数 N/mm |
|---|---|---|---|---|---|---|---|
| AUL | 10 | 10 | 0.75 | 4.7 | 4 | 3.9 | 0.98 |
| | | 15 | 0.8 | 6.2 | 6 | 5.9 | |
| | | 20 | | | 8 | 7.8 | |
| | | 25 | 0.9 | 9.5 | 10 | 9.8 | |
| | | 30 | | | 12 | 11.8 | |
| | | 35 | | | 14 | 13.7 | |
| | | 40 | 1.0 | 15.5 | 16 | 15.7 | |
| | | 45 | | | 18 | 17.7 | |
| | | 50 | | | 20 | 19.6 | |
| | | 60 | 1.1 | 23.7 | 24 | 23.5 | |
| | | 70 | | | 28 | 27.5 | |
| | | 80 | 1.1 | 23.7 | 32 | 31.4 | |
| | 12 | 15 | 0.9 | 6.75 | 6 | 5.9 | |
| | | 20 | 1.0 | 10 | 8 | 7.8 | |
| | | 25 | | | 10 | 9.8 | |
| | | 30 | 1.1 | 14.85 | 12 | 11.8 | |
| | | 35 | | | 14 | 13.7 | |
| | | 40 | 1.2 | 21.6 | 16 | 15.7 | |
| | | 45 | | | 18 | 17.7 | |
| | | 50 | | | 20 | 19.6 | |
| | | 60 | 1.3 | 32.5 | 24 | 23.5 | |
| | | 70 | | | 28 | 27.5 | |
| | | 80 | 1.4 | 46.2 | 32 | 31.4 | |
| | 13 | 15 | 0.9 | 5.4 | 6 | 5.9 | |
| | | 20 | 1.0 | 8.25 | 8 | 7.8 | |
| | | 25 | | | 10 | 9.8 | |
| | | 30 | 1.1 | 12.1 | 12 | 11.8 | |
| | | 35 | | | 14 | 13.7 | |
| | | 40 | | | 16 | 15.7 | |
| | | 45 | 1.2 | 16.8 | 18 | 17.7 | |
| | | 50 | | | 20 | 19.6 | |
| | | 60 | | | 24 | 23.5 | |
| | | 70 | 1.4 | 35 | 28 | 27.5 | |
| | | 80 | | | 32 | 31.4 | |
| | 16 | 15 | 1.1 | 7.7 | 6 | 5.9 | |
| | | 20 | | | 8 | 7.8 | |
| | | 25 | 1.2 | 10.8 | 10 | 9.8 | |
| | | 30 | | | 12 | 11.8 | |
| | | 35 | 1.3 | 14.3 | 14 | 13.7 | |
| | | 40 | | | 16 | 15.7 | |
| | | 45 | 1.4 | 19.6 | 18 | 17.7 | |
| | | 50 | | | 20 | 19.6 | |
| | | 60 | | | 24 | 23.5 | |
| | | 70 | 1.5 | 27 | 28 | 27.5 | |
| | | 80 | | | 32 | 31.4 | |
| | 20 | 20 | 1.6 | 10.4 | 8 | 23.5 | 2.94 |
| | | 25 | | | 10 | 29.4 | |
| | | 30 | 1.7 | 12.8 | 12 | 35.3 | |
| | | 35 | | | 14 | 41.2 | |
| | | 40 | 1.8 | 15.3 | 16 | 47.1 | |
| | | 45 | | | 18 | 53 | |
| | | 50 | 2 | 23 | 20 | 58.8 | |
| | | 60 | | | 24 | 70.6 | |
| | | 70 | 2.2 | 35.2 | 28 | 82.4 | |
| | | 80 | | | 32 | 94.1 | |

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)。

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# 压缩弹簧 ◂ 外径基准不锈钢型·允许位移量L×(27~40)%

| 型号 代码 | D | L | d | 压紧长度 | F max | 允许负载 Nmax | 弹簧常数 N/mm |
|---|---|---|---|---|---|---|---|
| AUTT | 3 | (5) | 0.35 | 2.8 | 2 | 2.9 | 1.45 |
| | | (10) | 0.4 | 4.8 | 4 | 5.9 | 1.48 |
| | | (15) | 0.45 | 8.3 | 6 | 8.8 | 1.47 |
| | | (20) | | | | 8.8 | |
| | | (25) | 0.5 | 14 | 8 | 11.8 | 1.48 |
| | | (30) | | | | 11.8 | |
| | 4 | (5) | 0.4 | 2.6 | 2 | 2.9 | 1.45 |
| | | (10) | 0.45 | 3.9 | 4 | 5.9 | 1.48 |
| | | (15) | 0.5 | 6 | 6 | 8.8 | 1.47 |
| | | (20) | 0.55 | 9.4 | 8 | 11.8 | 1.48 |
| | | 25 | 0.6 | 14.4 | 10 | 14.7 | 1.47 |
| | | 30 | | | | 14.7 | |
| | 5 | (5) | 0.45 | 2.6 | 2 | 2.9 | 1.45 |
| | | (10) | 0.5 | 3.6 | 4 | 5.9 | 1.48 |
| | | 15 | 0.6 | 7.5 | 6 | 8.8 | 1.47 |
| | | 20 | | | 8 | 11.8 | 1.48 |
| | | 25 | 0.65 | 10.7 | 10 | 14.7 | 1.47 |
| | | 30 | 0.7 | 15.4 | 12 | 17.7 | 1.48 |
| | | 35 | | | 14 | 20.6 | 1.47 |
| | 6 | (5) | 0.5 | 2.4 | 2 | 3.9 | 1.95 |
| | | (10) | 0.6 | 4.2 | 4 | 7.8 | |
| | | 15 | 0.7 | 7.4 | 6 | 11.8 | 1.97 |
| | | 20 | | | 8 | 15.7 | 1.96 |
| | | 25 | 0.8 | 13.6 | 10 | 19.6 | |
| | | 30 | | | 12 | 23.5 | |
| | | 35 | 0.85 | 17.5 | 14 | 27.5 | |
| | | 40 | 0.9 | 23.4 | 16 | 31.4 | |
| | | 45 | | | 18 | 35.3 | |
| | | 50 | | | | 35.3 | |
| | | 60 | 1 | 41 | | 35.3 | |
| | | 70 | | | 24 | 47.1 | |
| | 8 | 10 | 0.75 | 5.3 | 4 | 7.8 | 1.95 |
| | | 15 | | | 6 | 11.8 | 1.97 |
| | | 20 | 0.9 | 10.4 | 8 | 15.7 | 1.96 |
| | | 25 | | | 10 | 19.6 | |
| | | 30 | 1 | 17 | 12 | 23.5 | |
| | | 35 | | | 14 | 27.5 | |
| | | 40 | | 19.1 | 16 | 31.4 | |
| | | 45 | 1.1 | 25.3 | 18 | 35.3 | |
| | | 50 | | | 20 | 39.2 | |
| | | 60 | | | 24 | 47.1 | |
| | | 70 | 1.2 | 39.6 | 28 | 54.9 | |
| | 10 | 10 | 0.85 | 5.1 | 4 | 7.8 | 1.95 |
| | | 15 | | | 6 | 11.8 | 1.97 |
| | | 20 | 1 | 9.5 | 8 | 15.7 | 1.96 |
| | | 25 | | | 10 | 19.6 | |
| | | 30 | 1.1 | 14.3 | 12 | 23.5 | |
| | | 35 | | | 14 | 27.5 | |
| | | 40 | 1.2 | 20.4 | 16 | 31.4 | |
| | | 45 | | | 18 | 35.3 | |
| | | 50 | | | 20 | 39.2 | |
| | | 60 | 1.3 | 29.9 | 24 | 47.1 | |
| | | 70 | 1.4 | 43.4 | 24 | 47.1 | |
| | 13 | 15 | 1 | 5.75 | 6 | 11.8 | 1.97 |
| | | 20 | 1.2 | 10.5 | 8 | 15.7 | 1.96 |
| | | 25 | | | 10 | 19.6 | |
| | | 30 | 1.3 | 15 | 12 | 23.5 | |
| | | 35 | | | 14 | 27.5 | |
| | | 40 | 1.4 | 20.3 | 16 | 31.4 | |
| | | 45 | | | 18 | 35.3 | |
| | | 50 | 1.5 | 27.8 | 20 | 39.2 | |
| | | 60 | | | 24 | 47.1 | |
| | | 70 | 1.6 | 38.4 | 28 | 54.9 | |
| | | 80 | | | 32 | 62.8 | |

| 型号 代码 | D | L | d | 压紧长度 | F max | 允许负载 Nmax | 弹簧常数 N/mm |
|---|---|---|---|---|---|---|---|
| AUTT | 16 | 15 | 1.2 | 7.2 | 6 | 11.8 | 1.97 |
| | | 20 | 1.3 | 9.1 | 8 | 15.7 | 1.96 |
| | | 25 | | | 10 | 19.6 | |
| | | 30 | 1.4 | 12.3 | 12 | 23.5 | |
| | | 35 | 1.5 | 16.5 | 14 | 27.5 | |
| | | 40 | 1.6 | 21.6 | 16 | 31.4 | |
| | | 45 | | | 18 | 35.3 | |
| | | 50 | 1.7 | 28 | 20 | 39.2 | |
| | | 60 | | | 24 | 47.1 | |
| | | 70 | 1.8 | 36 | 28 | 54.9 | |
| | | 80 | | | 32 | 62.8 | |
| | 20 | 20 | 1.7 | 10.6 | 8 | 31.4 | 3.93 |
| | | 25 | 1.8 | 12.6 | 10 | 39.2 | 3.92 |
| | | 30 | | | 12 | 47.1 | 3.93 |
| | | 35 | 2 | 19 | 14 | 54.9 | 3.92 |
| | | 40 | | | 16 | 62.8 | 3.93 |
| | | 45 | | | 18 | 70.6 | 3.92 |
| | | 50 | 2.2 | 27.5 | 20 | 78.5 | 3.93 |
| | | 60 | | | 24 | 94.1 | 3.92 |
| | | 70 | 2.3 | 34.5 | 28 | 109.8 | |
| | | 80 | 2.4 | 40.8 | 32 | 125.5 | |

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

■ **AUTT-D5-L15**

| 型号 代码 | D | L |
|---|---|---|
| AUTT | 5 | 15<br>20 |

交期Delivery 5天 发货
○本产品发货时间不含周日

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