



# 弹簧/氮气弹簧

# 矩形弹簧

中压缩量弹簧 一橙色一

新增



型号(1)代码·(2)D) — (3)L  
LAWS21 — 100

■请按步骤①~③选择型号和参数后进行订购。



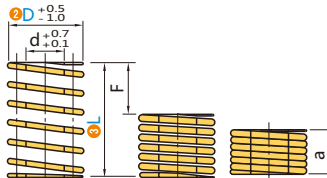
型号区分: 3 天发货  
交货期

LAWS



- ① 1kgf=9.81N
- ② 载荷 (±10%)
- ③ 载荷(N)=定数(N/mm)×压缩量
- ④ 直角度 (3°以下)
- ⑤ 耐热温度为150°C
- ⑥ 压紧长度为参考值,制作时会有少许差异。
- ⑦ 弹簧颜色和圈数可能会因生产批次不同而异,但产品性能均符合标准,不影响使用!

| 代码   | 类型   | 材质       |         | 最大压缩量 |
|------|------|----------|---------|-------|
|      |      | 国标       | 相当      |       |
| LAWS | 中压缩量 | 60Si2CrA | SWOSC-V | L×40% |



■ L尺寸公差

| L    | 公差    |
|------|-------|
| 50以下 | ±0.5  |
| 50以上 | ±1.5% |

| ①代码  | ②D         | ③L   | 内径 d        | 弹簧常数 N/mm (kgf/mm) | a          |       | F=L×40%     |             |      |            |              |
|------|------------|------|-------------|--------------------|------------|-------|-------------|-------------|------|------------|--------------|
|      |            |      |             |                    | 压紧长度 (min) | F 压缩量 | 负载 N(kgf)   |             |      |            |              |
| 10.5 | 5.5        | 20   | 5.5         | 10.90(1.11)        | 10         | 8     | 87.2 (8.9)  |             |      |            |              |
|      |            | 25   |             | 8.72(0.89)         | 12.5       | 10    |             |             |      |            |              |
|      |            | 30   |             | 7.26(0.74)         | 15         | 12    |             |             |      |            |              |
|      |            | 35   |             | 6.23(0.63)         | 17.5       | 14    |             |             |      |            |              |
|      |            | 40   |             | 5.45(0.56)         | 20         | 16    |             |             |      |            |              |
|      |            | 45   |             | 4.84(0.49)         | 22.5       | 18    |             |             |      |            |              |
|      |            | 50   |             | 4.36(0.44)         | 25         | 20    |             |             |      |            |              |
|      |            | 55   |             | 3.96(0.40)         | 27.5       | 22    |             |             |      |            |              |
|      |            | 60   |             | 3.63(0.37)         | 30         | 24    |             |             |      |            |              |
|      |            | 65   |             | 3.35(0.34)         | 32.5       | 26    |             |             |      |            |              |
|      |            | 70   |             | 3.11(0.32)         | 35         | 28    |             |             |      |            |              |
|      |            | 75   |             | 2.91(0.30)         | 37.5       | 30    |             |             |      |            |              |
|      |            | 80   |             | 2.72(0.28)         | 40         | 32    |             |             |      |            |              |
|      |            | 12.5 |             | 6.5                | 20         | 6.5   |             | 15.25(1.56) | 10   | 8          | 122.0 (12.4) |
|      |            |      |             |                    | 25         |       |             | 12.20(1.24) | 12.5 | 10         |              |
|      |            |      |             |                    | 30         |       |             | 10.17(1.04) | 15   | 12         |              |
| 35   | 8.72(0.89) |      | 17.5        |                    | 14         |       |             |             |      |            |              |
| 40   | 7.63(0.78) |      | 20          |                    | 16         |       |             |             |      |            |              |
| 45   | 6.78(0.69) |      | 22.5        |                    | 18         |       |             |             |      |            |              |
| 50   | 6.10(0.62) |      | 25          |                    | 20         |       |             |             |      |            |              |
| 55   | 5.55(0.57) |      | 27.5        |                    | 22         |       |             |             |      |            |              |
| 60   | 5.08(0.52) |      | 30          |                    | 24         |       |             |             |      |            |              |
| 65   | 4.69(0.48) |      | 32.5        |                    | 26         |       |             |             |      |            |              |
| 70   | 4.36(0.44) |      | 35          |                    | 28         |       |             |             |      |            |              |
| 75   | 4.07(0.41) |      | 37.5        |                    | 30         |       |             |             |      |            |              |
| 80   | 3.81(0.39) |      | 40          |                    | 32         |       |             |             |      |            |              |
| 14.5 | 8.5        |      | 20          |                    | 8.5        |       | 24.51(2.50) | 10          | 8    | 196.1 (20) |              |
|      |            |      | 25          |                    |            |       | 19.61(2.00) | 12.5        | 10   |            |              |
|      |            |      | 30          |                    |            |       | 16.37(1.67) | 15          | 12   |            |              |
|      |            | 35   | 14.02(1.43) | 17.5               |            | 14    |             |             |      |            |              |
|      |            | 40   | 12.25(1.25) | 20                 |            | 16    |             |             |      |            |              |
|      |            | 45   | 10.88(1.11) | 22.5               |            | 18    |             |             |      |            |              |
|      |            | 50   | 9.80(1.00)  | 25                 |            | 20    |             |             |      |            |              |
|      |            | 55   | 8.92(0.91)  | 27.5               |            | 22    |             |             |      |            |              |
|      |            | 60   | 8.13(0.83)  | 30                 |            | 24    |             |             |      |            |              |
|      |            | 65   | 7.55(0.77)  | 32.5               |            | 26    |             |             |      |            |              |
|      |            | 70   | 6.96(0.71)  | 35                 |            | 28    |             |             |      |            |              |
|      |            | 75   | 6.57(0.67)  | 37.5               |            | 30    |             |             |      |            |              |
|      |            | 80   | 6.17(0.63)  | 40                 |            | 32    |             |             |      |            |              |
|      |            | 90   | 5.49(0.56)  | 45                 |            | 36    |             |             |      |            |              |
|      |            | 100  | 4.90(0.50)  | 50                 |            | 40    |             |             |      |            |              |
|      |            | 125  | 3.92(0.40)  | 62.5               |            | 50    |             |             |      |            |              |
| 150  | 3.27(0.33) | 75   | 60          |                    |            |       |             |             |      |            |              |
| 17   | 10.5       | 25   | 10.5        | 29.41(3.00)        | 12.5       | 10    | 294.2 (30)  |             |      |            |              |
|      |            | 30   |             | 24.51(2.50)        | 15         | 12    |             |             |      |            |              |
|      |            | 35   |             | 20.98(2.14)        | 17.5       | 14    |             |             |      |            |              |
|      |            | 40   |             | 18.43(1.88)        | 20         | 16    |             |             |      |            |              |
|      |            | 45   |             | 16.37(1.67)        | 22.5       | 18    |             |             |      |            |              |
|      |            | 50   |             | 14.70(1.50)        | 25         | 20    |             |             |      |            |              |
|      |            | 55   |             | 13.33(1.36)        | 27.5       | 22    |             |             |      |            |              |
|      |            | 60   |             | 12.25(1.25)        | 30         | 24    |             |             |      |            |              |
|      |            | 65   |             | 11.27(1.15)        | 32.5       | 26    |             |             |      |            |              |

| ①代码 | ②D          | ③L    | 内径 d | 弹簧常数 N/mm (kgf/mm) | a          |       | F=L×40%    |             |      |    |          |
|-----|-------------|-------|------|--------------------|------------|-------|------------|-------------|------|----|----------|
|     |             |       |      |                    | 压紧长度 (min) | F 压缩量 | 负载 N(kgf)  |             |      |    |          |
| 17  | 10.5        | 70    | 10.5 | 10.49(1.07)        | 35         | 28    | 294.2 (30) |             |      |    |          |
|     |             | 75    |      | 9.80(1.00)         | 37.5       | 30    |            |             |      |    |          |
|     |             | 80    |      | 9.21(0.94)         | 40         | 32    |            |             |      |    |          |
|     |             | 90    |      | 8.13(0.83)         | 45         | 36    |            |             |      |    |          |
|     |             | 100   |      | 7.35(0.75)         | 50         | 40    |            |             |      |    |          |
|     |             | 125   |      | 5.88(0.60)         | 62.5       | 50    |            |             |      |    |          |
|     |             | 150   |      | 4.90(0.50)         | 75         | 60    |            |             |      |    |          |
|     |             | 21    |      | 13.5               | 30         | 13.5  |            | 35.10(3.58) | 15   | 12 | 422 (43) |
|     |             |       |      |                    | 35         |       |            | 30.10(3.07) | 17.5 | 14 |          |
|     |             |       |      |                    | 40         |       |            | 26.37(2.69) | 20   | 16 |          |
|     |             |       |      |                    | 45         |       |            | 23.43(2.39) | 22.5 | 18 |          |
|     |             |       |      |                    | 50         |       |            | 21.08(2.15) | 25   | 20 |          |
|     |             |       |      |                    | 55         |       |            | 19.12(1.95) | 27.5 | 22 |          |
|     |             |       |      |                    | 60         |       |            | 17.55(1.79) | 30   | 24 |          |
|     |             |       |      |                    | 65         |       |            | 16.18(1.65) | 32.5 | 26 |          |
|     |             |       |      |                    | 70         |       |            | 15.10(1.54) | 35   | 28 |          |
| 75  | 14.02(1.43) |       | 37.5 |                    | 30         |       |            |             |      |    |          |
| 80  | 13.14(1.34) |       | 40   |                    | 32         |       |            |             |      |    |          |
| 90  | 11.66(1.19) |       | 45   |                    | 36         |       |            |             |      |    |          |
| 100 | 10.59(1.08) |       | 50   |                    | 40         |       |            |             |      |    |          |
| 110 | 9.61(0.98)  |       | 55   |                    | 44         |       |            |             |      |    |          |
| 120 | 8.82(0.90)  |       | 60   |                    | 48         |       |            |             |      |    |          |
| 125 | 8.43(0.86)  |       | 62.5 |                    | 50         |       |            |             |      |    |          |
| 130 | 8.13(0.83)  | 65    | 52   |                    |            |       |            |             |      |    |          |
| 140 | 7.55(0.77)  | 70    | 56   |                    |            |       |            |             |      |    |          |
| 150 | 7.06(0.72)  | 75    | 60   |                    |            |       |            |             |      |    |          |
| 26  | 16.5        | 30    | 16.5 | 60.2(6.1)          | 87.5       | 70    | 569 (58)   |             |      |    |          |
|     |             | 35    |      | 52.7(5.4)          | 100        | 80    |            |             |      |    |          |
|     |             | 40    |      | 47.36(4.83)        | 15         | 12    |            |             |      |    |          |
|     |             | 45    |      | 40.59(4.14)        | 17.5       | 14    |            |             |      |    |          |
|     |             | 50    |      | 35.59(3.63)        | 20         | 16    |            |             |      |    |          |
|     |             | 55    |      | 31.57(3.22)        | 22.5       | 18    |            |             |      |    |          |
|     |             | 60    |      | 28.43(2.90)        | 25         | 20    |            |             |      |    |          |
|     |             | 65    |      | 25.88(2.64)        | 27.5       | 22    |            |             |      |    |          |
|     |             | 70    |      | 23.63(2.41)        | 30         | 24    |            |             |      |    |          |
|     |             | 75    |      | 21.86(2.23)        | 32.5       | 26    |            |             |      |    |          |
|     |             | 80    |      | 20.29(2.07)        | 35         | 28    |            |             |      |    |          |
|     |             | 90    |      | 18.92(1.93)        | 37.5       | 30    |            |             |      |    |          |
|     |             | 100   |      | 17.75(1.81)        | 40         | 32    |            |             |      |    |          |
|     |             | 110   |      | 17.75(1.81)        | 40         | 32    |            |             |      |    |          |
|     |             | 120   |      | 15.78(1.61)        | 45         | 36    |            |             |      |    |          |
|     |             | 125   |      | 14.21(1.45)        | 50         | 40    |            |             |      |    |          |
| 130 | 12.94(1.32) | 55    | 44   |                    |            |       |            |             |      |    |          |
| 140 | 11.86(1.21) | 60    | 48   |                    |            |       |            |             |      |    |          |
| 150 | 11.37(1.16) | 62.5  | 50   |                    |            |       |            |             |      |    |          |
| 175 | 10.98(1.12) | 65    | 52   |                    |            |       |            |             |      |    |          |
| 200 | 10.19(1.04) | 70    | 56   |                    |            |       |            |             |      |    |          |
| 225 | 9.51(0.97)  | 75    | 60   |                    |            |       |            |             |      |    |          |
| 250 | 8.13(0.83)  | 87.5  | 70   |                    |            |       |            |             |      |    |          |
|     | 7.15(0.73)  | 100   | 80   |                    |            |       |            |             |      |    |          |
|     | 6.32(0.64)  | 112.5 | 90   |                    |            |       |            |             |      |    |          |
|     | 5.69(0.58)  | 125   | 100  |                    |            |       |            |             |      |    |          |

询价④种方式



官网 <http://www.srdfaa.com>  
深圳市仕瑞达自动化设备有限公司



全国免费 400-966-3863  
客服热线 0755-27926613

新增

# 矩形弹簧

中压缩量弹簧 一橙色一

# 弹簧/氮气弹簧



| 型号  |             |     | 内径<br>d | 弹簧常数<br>N/mm<br>(kgf/mm) | a             |          | F=L×40%       |  |
|-----|-------------|-----|---------|--------------------------|---------------|----------|---------------|--|
| ①代码 | ②D          | ③L  |         |                          | 压紧长度<br>(min) | F<br>压缩量 | 负载<br>N(kgf)  |  |
| 31  | 31          | 21  | 40      | 49.03(5.00)              | 20            | 16       | 784<br>(80)   |  |
|     |             |     | 45      | 43.54(4.44)              | 22.5          | 18       |               |  |
|     |             |     | 50      | 39.22(4.00)              | 25            | 20       |               |  |
|     |             |     | 55      | 35.66(3.64)              | 27.5          | 22       |               |  |
|     |             |     | 60      | 32.65(3.33)              | 30            | 24       |               |  |
|     |             |     | 65      | 30.17(3.08)              | 32.5          | 26       |               |  |
|     |             |     | 70      | 28.04(2.86)              | 35            | 28       |               |  |
|     |             |     | 75      | 26.15(2.67)              | 37.5          | 30       |               |  |
|     |             |     | 80      | 24.51(2.50)              | 40            | 32       |               |  |
|     |             |     | 90      | 21.77(2.22)              | 45            | 36       |               |  |
|     |             |     | 100     | 19.61(2.00)              | 50            | 40       |               |  |
|     |             |     | 110     | 17.84(1.82)              | 55            | 44       |               |  |
|     |             |     | 120     | 16.37(1.67)              | 60            | 48       |               |  |
|     |             |     | 125     | 15.69(1.60)              | 62.5          | 50       |               |  |
|     |             |     | 130     | 15.10(1.54)              | 65            | 52       |               |  |
|     |             |     | 140     | 14.02(1.43)              | 70            | 56       |               |  |
|     |             |     | 150     | 13.04(1.33)              | 75            | 60       |               |  |
|     |             |     | 160     | 12.25(1.25)              | 80            | 64       |               |  |
|     |             |     | 170     | 11.57(1.18)              | 85            | 68       |               |  |
|     |             |     | 175     | 11.17(1.14)              | 87.5          | 70       |               |  |
| 180 | 10.88(1.11) | 90  | 72      |                          |               |          |               |  |
| 190 | 10.29(1.05) | 95  | 76      |                          |               |          |               |  |
| 200 | 9.80(1.00)  | 100 | 80      |                          |               |          |               |  |
| 250 | 7.84(0.80)  | 125 | 100     |                          |               |          |               |  |
| 300 | 6.57(0.67)  | 150 | 120     |                          |               |          |               |  |
| 37  | 37          | 26  | 40      | 52.07(5.31)              | 20            | 16       | 833.6<br>(85) |  |
|     |             |     | 45      | 46.28(4.72)              | 22.5          | 18       |               |  |
|     |             |     | 50      | 41.67(4.25)              | 25            | 20       |               |  |
|     |             |     | 55      | 37.89(3.86)              | 27.5          | 22       |               |  |
|     |             |     | 60      | 34.71(3.54)              | 30            | 24       |               |  |
|     |             |     | 65      | 32.06(3.27)              | 32.5          | 26       |               |  |
|     |             |     | 70      | 29.81(3.04)              | 35            | 28       |               |  |
|     |             |     | 75      | 27.79(2.83)              | 37.5          | 30       |               |  |
|     |             |     | 80      | 26.08(2.66)              | 40            | 32       |               |  |
|     |             |     | 90      | 23.14(2.36)              | 45            | 36       |               |  |
|     |             |     | 100     | 20.88(2.13)              | 50            | 40       |               |  |
|     |             |     | 110     | 18.92(1.93)              | 55            | 44       |               |  |
|     |             |     | 120     | 17.35(1.77)              | 60            | 48       |               |  |
|     |             |     | 125     | 16.67(1.70)              | 62.5          | 50       |               |  |
|     |             |     | 130     | 15.98(1.63)              | 65            | 52       |               |  |
|     |             |     | 140     | 14.90(1.52)              | 70            | 56       |               |  |
|     |             |     | 150     | 13.92(1.42)              | 75            | 60       |               |  |
|     |             |     | 160     | 13.04(1.33)              | 80            | 64       |               |  |
|     |             |     | 170     | 12.25(1.25)              | 85            | 68       |               |  |
|     |             |     | 175     | 11.86(1.21)              | 87.5          | 70       |               |  |
| 180 | 11.57(1.18) | 90  | 72      |                          |               |          |               |  |
| 190 | 10.98(1.12) | 95  | 76      |                          |               |          |               |  |
| 200 | 10.39(1.06) | 100 | 80      |                          |               |          |               |  |
| 250 | 8.33(0.85)  | 125 | 100     |                          |               |          |               |  |
| 300 | 6.96(0.71)  | 150 | 120     |                          |               |          |               |  |

| 型号   |             |       | 内径<br>d | 弹簧常数<br>N/mm<br>(kgf/mm) | a             |          | F=L×40%       |             |    |    |               |
|------|-------------|-------|---------|--------------------------|---------------|----------|---------------|-------------|----|----|---------------|
| ①代码  | ②D          | ③L    |         |                          | 压紧长度<br>(min) | F<br>压缩量 | 负载<br>N(kgf)  |             |    |    |               |
| 44.5 | 44.5        | 31    | 50      | 50.01(5.10)              | 25            | 20       | 1003<br>(102) |             |    |    |               |
|      |             |       | 60      | 41.68(4.25)              | 30            | 24       |               |             |    |    |               |
|      |             |       | 70      | 35.72(3.64)              | 35            | 28       |               |             |    |    |               |
|      |             |       | 80      | 31.26(3.19)              | 40            | 32       |               |             |    |    |               |
|      |             |       | 90      | 27.79(2.83)              | 45            | 36       |               |             |    |    |               |
|      |             |       | 100     | 25.01(2.55)              | 50            | 40       |               |             |    |    |               |
|      |             |       | 110     | 22.73(2.32)              | 55            | 44       |               |             |    |    |               |
|      |             |       | 120     | 20.84(2.13)              | 60            | 48       |               |             |    |    |               |
|      |             |       | 130     | 19.24(1.96)              | 65            | 52       |               |             |    |    |               |
|      |             |       | 140     | 17.86(1.82)              | 70            | 56       |               |             |    |    |               |
|      |             |       | 150     | 16.67(1.70)              | 75            | 60       |               |             |    |    |               |
|      |             |       | 160     | 15.63(1.59)              | 80            | 64       |               |             |    |    |               |
|      |             |       | 170     | 14.71(1.50)              | 85            | 68       |               |             |    |    |               |
|      |             |       | 180     | 13.89(1.42)              | 90            | 72       |               |             |    |    |               |
|      |             |       | 190     | 13.16(1.34)              | 95            | 76       |               |             |    |    |               |
|      |             |       | 200     | 12.50(1.28)              | 100           | 80       |               |             |    |    |               |
|      |             |       | 225     | 11.11(1.13)              | 112.5         | 90       |               |             |    |    |               |
|      |             |       | 250     | 10.00(1.02)              | 125           | 100      |               |             |    |    |               |
|      |             |       | 275     | 9.09(0.93)               | 137.5         | 110      |               |             |    |    |               |
|      |             |       | 300     | 8.34(0.85)               | 150           | 120      |               |             |    |    |               |
| 46   | 46          | 33    | 50      | 63.74(6.50)              | 25            | 20       | 1275<br>(130) |             |    |    |               |
|      |             |       | 60      | 53.15(5.42)              | 30            | 24       |               |             |    |    |               |
|      |             |       | 70      | 45.50(4.64)              | 35            | 28       |               |             |    |    |               |
|      |             |       | 80      | 39.81(4.06)              | 40            | 32       |               |             |    |    |               |
|      |             |       | 90      | 35.40(3.61)              | 45            | 36       |               |             |    |    |               |
|      |             |       | 100     | 31.87(3.25)              | 50            | 40       |               |             |    |    |               |
|      |             |       | 110     | 28.92(2.95)              | 55            | 44       |               |             |    |    |               |
|      |             |       | 120     | 26.57(2.71)              | 60            | 48       |               |             |    |    |               |
|      |             |       | 125     | 25.49(2.60)              | 62.5          | 50       |               |             |    |    |               |
|      |             |       | 130     | 24.51(2.50)              | 65            | 52       |               |             |    |    |               |
|      |             |       | 140     | 22.75(2.32)              | 70            | 56       |               |             |    |    |               |
|      |             |       | 150     | 21.28(2.17)              | 75            | 60       |               |             |    |    |               |
|      |             |       | 175     | 18.24(1.86)              | 87.5          | 70       |               |             |    |    |               |
|      |             |       | 200     | 15.98(1.63)              | 100           | 80       |               |             |    |    |               |
|      |             |       | 225     | 14.12(1.44)              | 112.5         | 90       |               |             |    |    |               |
|      |             |       | 250     | 12.74(1.30)              | 125           | 100      |               |             |    |    |               |
|      |             |       | 275     | 11.57(1.18)              | 137.5         | 110      |               |             |    |    |               |
|      |             |       | 300     | 10.59(1.08)              | 150           | 120      |               |             |    |    |               |
|      |             |       | 52      | 52                       | 37            | 60       |               | 65.38(6.67) | 30 | 24 | 1570<br>(160) |
|      |             |       |         |                          |               | 70       |               | 56.04(5.71) | 35 | 28 |               |
| 80   | 49.03(5.00) | 40    |         |                          |               | 32       |               |             |    |    |               |
| 90   | 43.58(4.44) | 45    |         |                          |               | 36       |               |             |    |    |               |
| 100  | 39.23(4.00) | 50    |         |                          |               | 40       |               |             |    |    |               |
| 110  | 35.66(3.64) | 55    |         |                          |               | 44       |               |             |    |    |               |
| 120  | 32.69(3.33) | 60    |         |                          |               | 48       |               |             |    |    |               |
| 130  | 30.17(3.08) | 65    |         |                          |               | 52       |               |             |    |    |               |
| 140  | 28.02(2.86) | 70    |         |                          |               | 56       |               |             |    |    |               |
| 150  | 26.15(2.67) | 75    |         |                          |               | 60       |               |             |    |    |               |
| 175  | 22.42(2.29) | 87.5  |         |                          |               | 70       |               |             |    |    |               |
| 200  | 19.61(2.00) | 100   |         |                          |               | 80       |               |             |    |    |               |
| 225  | 17.43(1.78) | 112.5 |         |                          |               | 90       |               |             |    |    |               |
| 250  | 15.69(1.60) | 125   |         |                          |               | 100      |               |             |    |    |               |
| 275  | 14.26(1.45) | 137.5 |         |                          |               | 110      |               |             |    |    |               |
| 300  | 13.08(1.33) | 150   |         |                          |               | 120      |               |             |    |    |               |

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