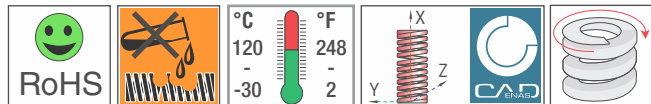
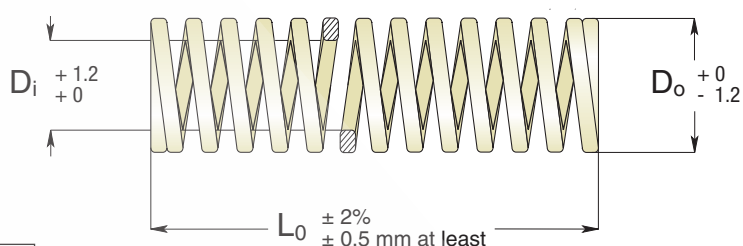


# 塑胶模具弹簧 Plastic mould coil springs

SERIES 系列 SR

- EN** High deflection springs for mould return pin  
**CN** 大压缩量塑胶模具回针弹簧



| Code<br>型号  | D <sub>o</sub><br>Outside Diameter<br>外径 | D <sub>i</sub><br>Inside Diameter<br>内径 | L <sub>0</sub><br>Free Length<br>自由长度 | R<br>Spring Constant<br>弹簧定数 | A<br>50% L <sub>0</sub><br>1.000.000 cycles | Solid Length<br>结实长度 |
|-------------|--|---|---------------------------------------|------------------------------|---|----------------------|
|             | mm                                       | mm                                      | mm                                    | mm                           | mm  | mm                   |
| SR 14 - 020 | 14.5                                     | 8.5                                     | 20                                    | 1.30                         | 10.0  | 8                    |
| SR 14 - 025 |  |   | 25                                    | 1.04                         | 12.5  | 10                   |
| SR 14 - 030 |  |   | 30                                    | 0.87                         | 15.0  | 12                   |
| SR 14 - 035 |  |   | 35                                    | 0.74                         | 17.5  | 14                   |
| SR 14 - 040 |  |   | 40                                    | 0.65                         | 20.0  | 16                   |
| SR 14 - 045 |  |   | 45                                    | 0.58                         | 22.5  | 18                   |
| SR 14 - 050 |  |   | 50                                    | 0.52                         | 25.0  | 20                   |
| SR 14 - 055 |  |   | 55                                    | 0.47                         | 27.5  | 22                   |
| SR 14 - 060 |  |   | 60                                    | 0.43                         | 30.0  | 24                   |
| SR 14 - 065 |  |   | 65                                    | 0.40                         | 32.5  | 26                   |
| SR 14 - 070 |  |   | 70                                    | 0.37                         | 35.0  | 28                   |
| SR 14 - 075 |  |   | 75                                    | 0.35                         | 37.5  | 30                   |
| SR 14 - 080 |  |   | 80                                    | 0.33                         | 40.0  | 32                   |
| SR 14 - 090 |  |   | 90                                    | 0.29                         | 45.0  | 36                   |
| SR 14 - 100 |  |   | 100                                   | 0.26                         | 50.0  | 40                   |
| SR 14 - 125 |  |   | 125                                   | 0.21                         | 62.5  | 50                   |
| SR 17 - 025 | 17                                       | 10.5                                    | 25                                    | 1.60                         | 12.5  | 10                   |
| SR 17 - 030 |  |   | 30                                    | 1.33                         | 15.0  | 12                   |
| SR 17 - 035 |  |   | 35                                    | 1.14                         | 17.5  | 14                   |
| SR 17 - 040 |  |   | 40                                    | 1.00                         | 20.0  | 16                   |
| SR 17 - 045 |  |   | 45                                    | 0.89                         | 22.5  | 18                   |
| SR 17 - 050 |  |   | 50                                    | 0.80                         | 25.0  | 20                   |
| SR 17 - 055 |  |   | 55                                    | 0.73                         | 27.5  | 22                   |
| SR 17 - 060 |  |   | 60                                    | 0.67                         | 30.0  | 24                   |
| SR 17 - 065 |  |   | 65                                    | 0.62                         | 32.5  | 26                   |
| SR 17 - 070 |  |   | 70                                    | 0.57                         | 35.0  | 28                   |
| SR 17 - 075 |  |   | 75                                    | 0.53                         | 37.5  | 30                   |
| SR 17 - 080 |  |   | 80                                    | 0.50                         | 40.0  | 32                   |
| SR 17 - 090 |  |   | 90                                    | 0.44                         | 45.0  | 36                   |
| SR 17 - 100 |  |   | 100                                   | 0.40                         | 50.0  | 40                   |
| SR 17 - 125 |  |   | 125                                   | 0.32                         | 62.5  | 50                   |
| SR 17 - 150 |  |   | 150                                   | 0.27                         | 75.0  | 60                   |
| SR 21 - 030 | 21                                       | 13.5                                    | 30                                    | 2.00                         | 15.0  | 12                   |
| SR 21 - 035 |  |   | 35                                    | 1.71                         | 17.5  | 14                   |
| SR 21 - 040 |  |   | 40                                    | 1.50                         | 20.0  | 16                   |
| SR 21 - 045 |  |   | 45                                    | 1.33                         | 22.5  | 18                   |
| SR 21 - 050 |  |   | 50                                    | 1.20                         | 25.0  | 20                   |
| SR 21 - 055 |  |   | 55                                    | 1.09                         | 27.5  | 22                   |
| SR 21 - 060 |  |   | 60                                    | 1.00                         | 30.0  | 24                   |
| SR 21 - 065 |  |   | 65                                    | 0.92                         | 32.5  | 26                   |
| SR 21 - 070 |  |   | 70                                    | 0.86                         | 35.0  | 28                   |
| SR 21 - 075 |  |   | 75                                    | 0.80                         | 37.5  | 30                   |
| SR 21 - 080 |  |   | 80                                    | 0.75                         | 40.0  | 32                   |
| SR 21 - 090 |  |   | 90                                    | 0.67                         | 45.0  | 36                   |
| SR 21 - 100 |  |   | 100                                   | 0.60                         | 50.0  | 40                   |
| SR 21 - 110 |  |   | 110                                   | 0.55                         | 55.0  | 44                   |
| SR 21 - 120 |  |   | 120                                   | 0.50                         | 60.0  | 48                   |
| SR 21 - 125 |  |   | 125                                   | 0.48                         | 62.5  | 50                   |
| SR 21 - 130 |  |   | 130                                   | 0.46                         | 65.0  | 52                   |
| SR 21 - 140 |  |   | 140                                   | 0.43                         | 70.0  | 56                   |
| SR 21 - 150 |  |   | 150                                   | 0.40                         | 75.0  | 60                   |




L 12 - 300 (Series D<sub>0</sub> - L<sub>0</sub>)

Load (N) = R (N/mm) x Deflection (mm)

1 N = 0.1 daN = 0.102 kgf

Special Springs 49

SR

| Code<br>型号  | D <sub>o</sub><br>Outside<br>Diameter<br>外径 | D <sub>i</sub><br>Inside<br>Diameter<br>内径 | L <sub>0</sub><br>Free<br>Length<br>自由长度 | R<br>Spring<br>Constant<br>弹簧定数 |  A<br>50% L <sub>0</sub><br>1,000,000 cycles | Solid<br>Length<br>结实长度 |
|-------------|---|--|--|---------------------------------|---|-------------------------|
|             | mm  | mm   | mm                                       | mm                              | mm  | mm                      |
| SR 26 - 030 | 26  | 16.5                                       | 30                                       | 2.67                            | 15.0  | 12                      |
| SR 26 - 035 |   |  | 35                                       | 2.29                            | 17.5  | 14                      |
| SR 26 - 040 |   |  | 40                                       | 2.00                            | 20.0  | 16                      |
| SR 26 - 045 |   |  | 45                                       | 1.78                            | 22.5  | 18                      |
| SR 26 - 050 |   |  | 50                                       | 1.60                            | 25.0  | 20                      |
| SR 26 - 055 |   |  | 55                                       | 1.45                            | 27.5  | 22                      |
| SR 26 - 060 |   |  | 60                                       | 1.33                            | 30.0  | 24                      |
| SR 26 - 065 |   |  | 65                                       | 1.23                            | 32.5  | 26                      |
| SR 26 - 070 |   |  | 70                                       | 1.14                            | 35.0  | 28                      |
| SR 26 - 075 |   |  | 75                                       | 1.07                            | 37.5  | 30                      |
| SR 26 - 080 |   |  | 80                                       | 1.00                            | 40.0  | 32                      |
| SR 26 - 090 |   |  | 90                                       | 0.89                            | 45.0  | 36                      |
| SR 26 - 100 |   |  | 100                                      | 0.80                            | 50.0  | 40                      |
| SR 26 - 110 |   |  | 110                                      | 0.73                            | 55.0  | 44                      |
| SR 26 - 120 |   |  | 120                                      | 0.67                            | 60.0  | 48                      |
| SR 26 - 125 |   |  | 125                                      | 0.64                            | 62.5  | 50                      |
| SR 26 - 130 |   |  | 130                                      | 0.62                            | 65.0  | 52                      |
| SR 26 - 140 |   |  | 140                                      | 0.57                            | 70.0  | 56                      |
| SR 26 - 150 |   |  | 150                                      | 0.53                            | 75.0  | 60                      |
| SR 26 - 175 |   |  | 175                                      | 0.46                            | 87.5  | 70                      |
| SR 26 - 200 |   |  | 200                                      | 0.40                            | 100.0   | 80                      |
| SR 31 - 040 | 31  | 21   | 40                                       | 2.50                            | 2.50  | 16                      |
| SR 31 - 045 |   |  | 45                                       | 2.22                            | 2.22  | 18                      |
| SR 31 - 050 |   |  | 50                                       | 2.00                            | 2.00  | 20                      |
| SR 31 - 060 |   |  | 60                                       | 1.67                            | 1.67  | 24                      |
| SR 31 - 070 |   |  | 70                                       | 1.43                            | 1.43  | 28                      |
| SR 31 - 080 |   |  | 80                                       | 1.25                            | 1.25  | 32                      |
| SR 31 - 090 |   |  | 90                                       | 1.11                            | 1.11  | 36                      |
| SR 31 - 100 |   |  | 100                                      | 1.00                            | 1.00  | 40                      |
| SR 31 - 110 |   |  | 110                                      | 0.91                            | 0.91  | 44                      |
| SR 31 - 120 |   |  | 120                                      | 0.83                            | 0.83  | 48                      |
| SR 31 - 125 |   |  | 125                                      | 0.80                            | 0.80  | 50                      |
| SR 31 - 130 |   |  | 130                                      | 0.77                            | 0.77  | 52                      |
| SR 31 - 140 |   |  | 140                                      | 0.71                            | 0.71  | 56                      |
| SR 31 - 150 |   |  | 150                                      | 0.67                            | 0.67  | 60                      |
| SR 31 - 160 |   |  | 160                                      | 0.63                            | 0.63  | 64                      |
| SR 31 - 170 |   |  | 170                                      | 0.59                            | 0.59  | 68                      |
| SR 31 - 175 |   |  | 175                                      | 0.57                            | 0.57  | 70                      |
| SR 31 - 180 |   |  | 180                                      | 0.56                            | 0.56  | 72                      |
| SR 31 - 190 |   |  | 190                                      | 0.53                            | 0.53  | 76                      |
| SR 31 - 200 |   |  | 200                                      | 0.50                            | 0.50  | 80                      |
| SR 31 - 250 |   |  | 250                                      | 0.40                            | 0.40  | 100                     |
| SR 31 - 300 |   |  | 300                                      | 0.33                            | 0.33  | 120                     |

# 塑胶模具弹簧 Plastic mould coil springs

SERIES 系列 SR

| Code<br>型号  | D <sub>o</sub><br>Outside Diameter<br>外径 | D <sub>i</sub><br>Inside Diameter<br>内径 | L <sub>0</sub><br>Free Length<br>自由长度 | R<br>Spring Constant<br>弹簧定数 | A<br>50% L <sub>0</sub><br>1.000.000 cycles | Solid Length<br>结实长度 |
|-------------|--|---|---------------------------------------|------------------------------|---|----------------------|
|             | mm                                       | mm                                      | mm                                    | mm                           | mm  | mm                   |
| SR 46 - 050 | 46                                       | 33                                      | 50                                    | 4.40                         | 25.0  | 20                   |
| SR 46 - 060 |  |   | 60                                    | 3.67                         | 30.0  | 24                   |
| SR 46 - 070 |  |   | 70                                    | 3.14                         | 35.0  | 28                   |
| SR 46 - 080 |  |   | 80                                    | 2.75                         | 40.0  | 32                   |
| SR 46 - 090 |  |   | 90                                    | 2.44                         | 45.0  | 36                   |
| SR 46 - 100 |  |   | 100                                   | 2.20                         | 50.0  | 40                   |
| SR 46 - 110 |  |   | 110                                   | 2.00                         | 55.0  | 44                   |
| SR 46 - 120 |  |   | 120                                   | 1.83                         | 60.0  | 48                   |
| SR 46 - 125 |  |   | 125                                   | 1.76                         | 62.5  | 50                   |
| SR 46 - 130 |  |   | 130                                   | 1.69                         | 65.0  | 52                   |
| SR 46 - 140 |  |   | 140                                   | 1.57                         | 70.0  | 56                   |
| SR 46 - 150 |  |   | 150                                   | 1.47                         | 75.0  | 60                   |
| SR 46 - 175 |  |   | 175                                   | 1.26                         | 87.5  | 70                   |
| SR 46 - 200 |  |   | 200                                   | 1.10                         | 100.0                                       | 80                   |
| SR 46 - 225 |  |   | 225                                   | 0.98                         | 112.5                                       | 90                   |
| SR 46 - 250 |  |   | 250                                   | 0.88                         | 125.0                                       | 100                  |
| SR 46 - 275 |  |   | 275                                   | 0.80                         | 137.5                                       | 110                  |
| SR 46 - 300 |  |   | 300                                   | 0.73                         | 150.0                                       | 120                  |
| SR 37 - 040 | 37                                       | 26                                      | 40                                    | 3.00                         | 3.00  | 16                   |
| SR 37 - 045 |  |   | 45                                    | 2.67                         | 2.67  | 18                   |
| SR 37 - 050 |  |   | 50                                    | 2.40                         | 2.40  | 20                   |
| SR 37 - 060 |  |   | 60                                    | 2.00                         | 2.00  | 24                   |
| SR 37 - 070 |  |   | 70                                    | 1.71                         | 1.71  | 28                   |
| SR 37 - 080 |  |   | 80                                    | 1.50                         | 1.50  | 32                   |
| SR 37 - 090 |  |   | 90                                    | 1.33                         | 1.33  | 36                   |
| SR 37 - 100 |  |   | 100                                   | 1.20                         | 1.20  | 40                   |
| SR 37 - 110 |  |   | 110                                   | 1.09                         | 1.09  | 44                   |
| SR 37 - 120 |  |   | 120                                   | 1.00                         | 1.00  | 48                   |
| SR 37 - 125 |  |   | 125                                   | 0.96                         | 0.96  | 50                   |
| SR 37 - 130 |  |   | 130                                   | 0.92                         | 0.92  | 52                   |
| SR 37 - 140 |  |   | 140                                   | 0.86                         | 0.86  | 56                   |
| SR 37 - 150 |  |   | 150                                   | 0.80                         | 0.80  | 60                   |
| SR 37 - 160 |  |   | 160                                   | 0.75                         | 0.75  | 64                   |
| SR 37 - 170 |  |   | 170                                   | 0.71                         | 0.71  | 68                   |
| SR 37 - 175 |  |   | 175                                   | 0.69                         | 0.69  | 70                   |
| SR 37 - 180 |  |   | 180                                   | 0.67                         | 0.67  | 72                   |
| SR 37 - 190 |  |   | 190                                   | 0.63                         | 0.63  | 76                   |
| SR 37 - 200 |  |   | 200                                   | 0.60                         | 0.60  | 80                   |
| SR 37 - 250 |  |   | 250                                   | 0.48                         | 0.48  | 100                  |
| SR 37 - 300 |  |   | 300                                   | 0.40                         | 0.40  | 120                  |



L 12 - 300 (Series D<sub>o</sub> - L<sub>0</sub>)

Load (N) = R (N/mm) x Deflection (mm)

1 N = 0.1 daN = 0.102 kgf

Special Springs 51

SR