

Die spring ISO 10243



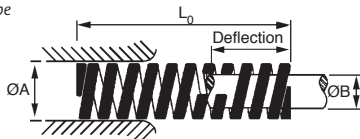
R Red: **heavy duty**

- ISO red standard (ISO 10243)
- Extra-rigid spring
- For heavy loads
- Trapezoidal wire
- Ends squared and ground
- Withstands shocks
- Tolerates shaking
- Easy to compress to solid height
- Material: chromium-vanadium steel



Advantages

- The trapezoidal wire permits optimum deflection whilst protecting against the risk of damage caused by overloading the spring.
- Hardness sufficient to allow heavy loads to be withstood.
- Heat resistant up to 230°C.
- Uniform spring performance.
- Uniform stiffness ratio
- Greater load accuracy for a given height.
- Reliable performance.
- Reduced risk of breakage.



Option

- Other sizes



DISCOUNTS

| Qty | 1+ | 6+ | 10+ | 20+ | 40+ |
|-------|------|------|------|------|------------|
| Disc. | List | -15% | -20% | -25% | On request |

| Part number | Hole ØA (mm) | Rod ØB (mm) | Free length Lo (mm) | Load at 1 mm deflection (N) | Load table | | | | | | | | Price each 1 to 5 |
|-------------|--------------|-------------|---------------------|-----------------------------|-----------------------------------|-----------------|--------------------------------|-----------------|-----------------------------------|-----------------|-----------------|-----------------|-------------------|
| | | | | | Optimum life (25% free length L0) | | Long life (30% free length L0) | | Max. working (35% free length L0) | | Max. deflection | | |
| | | | | | Load (N) | Deflection (mm) | Load (N) | Deflection (mm) | Load (N) | Deflection (mm) | Load (N) | Deflection (mm) | |
| R205104 | 10,0 | 5,0 | 25 | 22,1 | 82,9 | 3,8 | 110,5 | 5,0 | 138,1 | 6,3 | 165,8 | 7,5 | 2,81 € |
| R205106 | 10,0 | 5,0 | 38 | 17,1 | 97,5 | 5,7 | 130,0 | 7,6 | 162,5 | 9,5 | 194,9 | 11,4 | 3,34 € |
| R205108 | 10,0 | 5,0 | 51 | 12,8 | 97,9 | 7,7 | 130,6 | 10,2 | 163,2 | 12,8 | 195,8 | 15,3 | 3,46 € |
| R205112 | 10,0 | 5,0 | 76 | 7,5 | 85,5 | 11,4 | 114,0 | 15,2 | 142,5 | 19,0 | 171,0 | 22,8 | 4,53 € |
| R205204 | 12,5 | 6,3 | 25 | 42,1 | 157,9 | 3,8 | 210,5 | 5,0 | 263,1 | 6,3 | 315,8 | 7,5 | 3,54 € |
| R205206 | 12,5 | 6,3 | 38 | 29,3 | 167,0 | 5,7 | 222,7 | 7,6 | 278,4 | 9,5 | 334,0 | 11,4 | 4,06 € |
| R205208 | 12,5 | 6,3 | 51 | 19,6 | 149,9 | 7,7 | 199,9 | 10,2 | 249,9 | 12,8 | 299,9 | 15,3 | 4,49 € |
| R205212 | 12,5 | 6,3 | 76 | 13,2 | 150,5 | 11,4 | 200,6 | 15,2 | 250,8 | 19,0 | 301,0 | 22,8 | 5,70 € |
| R205248 | 12,5 | 6,3 | 305 | 2,8 | 128,1 | 45,8 | 170,8 | 61,0 | 213,5 | 76,3 | 256,2 | 91,5 | 27,05 € |
| R205304 | 16,0 | 8,0 | 25 | 75,7 | 283,9 | 3,8 | 378,5 | 5,0 | 473,1 | 6,3 | 567,8 | 7,5 | 4,41 € |
| R205306 | 16,0 | 8,0 | 38 | 48,5 | 276,5 | 5,7 | 368,6 | 7,6 | 460,8 | 9,5 | 552,9 | 11,4 | 4,84 € |
| R205308 | 16,0 | 8,0 | 51 | 37,1 | 283,8 | 7,7 | 378,4 | 10,2 | 473,0 | 12,8 | 567,6 | 15,3 | 5,27 € |
| R205312 | 16,0 | 8,0 | 76 | 25,7 | 293,0 | 11,4 | 390,6 | 15,2 | 488,3 | 19,0 | 586,0 | 22,8 | 6,47 € |
| R205316 | 16,0 | 8,0 | 102 | 19,3 | 295,3 | 15,3 | 393,7 | 20,4 | 492,2 | 25,5 | 590,6 | 30,6 | 6,90 € |
| R205404 | 20,0 | 10,0 | 25 | 216,0 | 810,0 | 3,8 | 1080,0 | 5,0 | 1350,0 | 6,3 | 1620,0 | 7,5 | 4,62 € |
| R205406 | 20,0 | 10,0 | 38 | 129,0 | 735,3 | 5,7 | 980,4 | 7,6 | 1225,5 | 9,5 | 1419,0 | 11,0 | 5,52 € |

Dimensions in mm

| Part number | Hole ØA (mm) | Rod ØB (mm) | Free length Lo (mm) | Load at 1 mm deflection (N) | Load table | | | | | | | | Price each 1 to 5 |
|-------------|--------------------|-------------------|------------------------------|--------------------------------------|---|--------------------|--------------------------------------|--------------------|---|--------------------|--------------------|--------------------|-------------------------|
| | | | | | Optimum life (25% free length Lo) | | Long life (30% free length Lo) | | Max. working (35% free length Lo) | | Max. deflection | | |
| | | | | | Load (N) | Deflection (mm) | Load (N) | Deflection (mm) | Load (N) | Deflection (mm) | Load (N) | Deflection (mm) | |
| R205408 | 20,0 | 10,0 | 51 | 94,0 | 719,1 | 7,7 | 958,8 | 10,2 | 1198,5 | 12,8 | 1410,0 | 15,0 | 6,47 € |
| R205410 | 20,0 | 10,0 | 64 | 72,1 | 692,2 | 9,6 | 922,9 | 12,8 | 1153,6 | 16,0 | 1369,9 | 19,0 | 7,06 € |
| R205412 | 20,0 | 10,0 | 76 | 59,7 | 680,6 | 11,4 | 907,4 | 15,2 | 1134,3 | 19,0 | 1373,1 | 23,0 | 7,17 € |
| R205414 | 20,0 | 10,0 | 89 | 50,5 | 674,2 | 13,4 | 898,9 | 17,8 | 1123,6 | 22,3 | 1363,5 | 27,0 | 9,18 € |
| R205416 | 20,0 | 10,0 | 102 | 44,2 | 676,3 | 15,3 | 901,7 | 20,4 | 1127,1 | 25,5 | 1370,2 | 31,0 | 10,04 € |
| R205418 | 20,0 | 10,0 | 115 | 38,4 | 662,4 | 17,3 | 883,2 | 23,0 | 1104,0 | 28,8 | 1344,0 | 35,0 | 11,15 € |
| R205420 | 20,0 | 10,0 | 127 | 34,1 | 649,6 | 19,1 | 866,1 | 25,4 | 1082,7 | 31,8 | 1295,8 | 38,0 | 12,36 € |
| R205422 | 20,0 | 10,0 | 139 | 31,0 | 646,4 | 20,9 | 861,8 | 27,8 | 1077,3 | 34,8 | 1302,0 | 42,0 | 13,35 € |
| R205424 | 20,0 | 10,0 | 152 | 28,2 | 643,0 | 22,8 | 857,3 | 30,4 | 1071,6 | 38,0 | 1297,2 | 46,0 | 14,03 € |
| R205448 | 20,0 | 10,0 | 305 | 15,0 | 686,3 | 45,8 | 915,0 | 61,0 | 1143,8 | 76,3 | 1365,0 | 91,0 | 37,13 € |
| R205504 | 25,0 | 12,5 | 25 | 375,0 | 1406,3 | 3,8 | 1875,0 | 5,0 | 2343,8 | 6,3 | 2812,5 | 7,5 | 5,01 € |
| R205505 | 25,0 | 12,5 | 32 | 297,0 | 1425,6 | 4,8 | 1900,8 | 6,4 | 2376,0 | 8,0 | 2851,2 | 9,6 | 5,99 € |
| R205506 | 25,0 | 12,5 | 38 | 219,0 | 1248,3 | 5,7 | 1664,4 | 7,6 | 2080,5 | 9,5 | 2409,0 | 11,0 | 5,99 € |
| R205507 | 25,0 | 12,5 | 44 | 187,0 | 1234,2 | 6,6 | 1645,6 | 8,8 | 2057,0 | 11,0 | 2431,0 | 13,0 | 7,45 € |
| R205508 | 25,0 | 12,5 | 51 | 156,0 | 1193,4 | 7,7 | 1591,2 | 10,2 | 1989,0 | 12,8 | 2340,0 | 15,0 | 8,10 € |
| R205510 | 25,0 | 12,5 | 64 | 123,0 | 1180,8 | 9,6 | 1574,4 | 12,8 | 1968,0 | 16,0 | 2337,0 | 19,0 | 8,87 € |
| R205512 | 25,0 | 12,5 | 76 | 99,0 | 1128,6 | 11,4 | 1504,8 | 15,2 | 1881,0 | 19,0 | 2277,0 | 23,0 | 9,82 € |
| R205514 | 25,0 | 12,5 | 89 | 84,0 | 1121,4 | 13,4 | 1495,2 | 17,8 | 1869,0 | 22,3 | 2268,0 | 27,0 | 9,56 € |
| R205516 | 25,0 | 12,5 | 102 | 73,0 | 1116,9 | 15,3 | 1489,2 | 20,4 | 1861,5 | 25,5 | 2263,0 | 31,0 | 12,01 € |
| R205518 | 25,0 | 12,5 | 115 | 65,0 | 1121,3 | 17,3 | 1495,0 | 23,0 | 1868,8 | 28,8 | 2275,0 | 35,0 | 12,22 € |
| R205520 | 25,0 | 12,5 | 127 | 57,7 | 1099,2 | 19,1 | 1465,6 | 25,4 | 1832,0 | 31,8 | 2192,6 | 38,0 | 13,72 € |
| R205522 | 25,0 | 12,5 | 139 | 52,7 | 1098,8 | 20,9 | 1465,1 | 27,8 | 1831,3 | 34,8 | 2213,4 | 42,0 | 12,01 € |
| R205524 | 25,0 | 12,5 | 152 | 47,8 | 1089,8 | 22,8 | 1453,1 | 30,4 | 1816,4 | 38,0 | 2198,8 | 46,0 | 16,39 € |
| R205528 | 25,0 | 12,5 | 178 | 41,0 | 1094,7 | 26,7 | 1459,6 | 35,6 | 1824,5 | 44,5 | 2173,0 | 53,0 | 20,81 € |
| R205532 | 25,0 | 12,5 | 203 | 35,8 | 1090,1 | 30,5 | 1453,5 | 40,6 | 1816,9 | 50,8 | 2183,8 | 61,0 | 23,86 € |
| R205548 | 25,0 | 12,5 | 305 | 22,9 | 1047,7 | 45,8 | 1396,9 | 61,0 | 1746,1 | 76,3 | 2083,9 | 91,0 | 45,47 € |
| R205606 | 32,0 | 16,0 | 38 | 388,0 | 2211,6 | 5,7 | 2948,8 | 7,6 | 3686,0 | 9,5 | 4268,0 | 11,0 | 8,87 € |
| R205607 | 32,0 | 16,0 | 44 | 324,0 | 2138,4 | 6,6 | 2851,2 | 8,8 | 3564,0 | 11,0 | 4212,0 | 13,0 | 9,60 € |
| R205608 | 32,0 | 16,0 | 51 | 272,0 | 2080,8 | 7,7 | 2774,4 | 10,2 | 3468,0 | 12,8 | 4080,0 | 15,0 | 9,22 € |
| R205610 | 32,0 | 16,0 | 64 | 212,0 | 2035,2 | 9,6 | 2713,6 | 12,8 | 3392,0 | 16,0 | 4028,0 | 19,0 | 11,62 € |
| R205612 | 32,0 | 16,0 | 76 | 172,0 | 1960,8 | 11,4 | 2614,4 | 15,2 | 3268,0 | 19,0 | 3956,0 | 23,0 | 13,35 € |
| R205614 | 32,0 | 16,0 | 89 | 141,0 | 1882,4 | 13,4 | 2509,8 | 17,8 | 3137,3 | 22,3 | 3807,0 | 27,0 | 13,72 € |
| R205618 | 32,0 | 16,0 | 115 | 107,0 | 1845,8 | 17,3 | 2461,0 | 23,0 | 3076,3 | 28,8 | 3745,0 | 35,0 | 19,49 € |
| R205622 | 32,0 | 16,0 | 139 | 86,0 | 1793,1 | 20,9 | 2390,8 | 27,8 | 2988,5 | 34,8 | 3612,0 | 42,0 | 21,47 € |
| R205628 | 32,0 | 16,0 | 178 | 67,2 | 1794,2 | 26,7 | 2392,3 | 35,6 | 2990,4 | 44,5 | 3561,6 | 53,0 | 26,43 € |
| R205640 | 32,0 | 16,0 | 254 | 46,4 | 1767,8 | 38,1 | 2357,1 | 50,8 | 2946,4 | 63,5 | 3526,4 | 76,0 | 36,88 € |
| R205708 | 40,0 | 20,0 | 51 | 350,0 | 2677,5 | 7,7 | 3570,0 | 10,2 | 4462,5 | 12,8 | 5250,0 | 15,0 | 12,36 € |
| R205712 | 40,0 | 20,0 | 76 | 219,0 | 2496,6 | 11,4 | 3328,8 | 15,2 | 4161,0 | 19,0 | 5037,0 | 23,0 | 17,17 € |
| R205716 | 40,0 | 20,0 | 102 | 163,0 | 2493,9 | 15,3 | 3325,2 | 20,4 | 4156,5 | 25,5 | 5053,0 | 31,0 | 23,65 € |
| R205720 | 40,0 | 20,0 | 127 | 128,0 | 2438,4 | 19,1 | 3251,2 | 25,4 | 4064,0 | 31,8 | 4864,0 | 38,0 | 30,56 € |
| R205724 | 40,0 | 20,0 | 152 | 105,0 | 2394,0 | 22,8 | 3192,0 | 30,4 | 3990,0 | 38,0 | 4830,0 | 46,0 | 30,87 € |
| R205732 | 40,0 | 20,0 | 203 | 77,0 | 2344,7 | 30,5 | 3126,2 | 40,6 | 3907,8 | 50,8 | 4697,0 | 61,0 | 41,52 € |
| R205748 | 40,0 | 20,0 | 305 | 51,0 | 2333,3 | 45,8 | 3111,0 | 61,0 | 3888,8 | 76,3 | 4641,0 | 91,0 | 60,33 € |
| R205810 | 50,0 | 25,0 | 64 | 413,0 | 3964,8 | 9,6 | 5286,4 | 12,8 | 6608,0 | 16,0 | 7847,0 | 19,0 | 24,25 € |
| R205814 | 50,0 | 25,0 | 89 | 288,0 | 3844,8 | 13,4 | 5126,4 | 17,8 | 6408,0 | 22,3 | 7776,0 | 27,0 | 31,77 € |
| R205818 | 50,0 | 25,0 | 115 | 215,0 | 3708,8 | 17,3 | 4945,0 | 23,0 | 6181,3 | 28,8 | 7525,0 | 35,0 | 35,93 € |
| R205822 | 50,0 | 25,0 | 139 | 168,0 | 3502,8 | 20,9 | 4670,4 | 27,8 | 5838,0 | 34,8 | 7056,0 | 42,0 | 57,63 € |
| R205828 | 50,0 | 25,0 | 178 | 134,0 | 3577,8 | 26,7 | 4770,4 | 35,6 | 5963,0 | 44,5 | 7102,0 | 53,0 | 57,53 € |
| R205840 | 50,0 | 25,0 | 254 | 89,0 | 3390,9 | 38,1 | 4521,2 | 50,8 | 5651,5 | 63,5 | 6764,0 | 76,0 | 76,90 € |
| R205848 | 50,0 | 25,0 | 305 | 73,0 | 3339,8 | 45,8 | 4453,0 | 61,0 | 5566,3 | 76,3 | 6643,0 | 91,0 | 100,92 € |

Dimensions in mm

Our other products



CLG2

Moulded plastic spur gear, Moulded plastic (nylon)



PRES4HR

Manual workbench press, Force up to 600kg



PRF-SRA

Lock for aluminium profile, Lock



RBNpl

Fixed castor with plate, Steel - rubber



CHMR40

Worm and wheel gear reducer, up to 57 Nm



MEB

Moulded plastic bevel gear (nylon), 1:1



DKN

Bellows coupling Gerwah®, from 0.4 to 10Nm



PSG125S

Spur gear - precision range, Stainless steel 303



GLT3E-58

Telescopic drawer,



FIRSTDC1Q60

Speed controller 10A, 10 A



RHTplss

High Temperature Castor, up to 200kg



BLHB30

Right angled gearbox, bored shafts, up to 4.4 Nm

Complementary products



R206

Die spring ISO10243, Extra-heavy



R204

Die spring ISO10243, Average



CDGamme

Compression spring DIN2095, DIN 2095



R203

Die spring ISO10243, Light