

|    |    |                                  |    |      |                               |
|----|----|----------------------------------|----|------|-------------------------------|
| D  | mm | Wire diameter                    | L1 | mm   | Prestressed spring length     |
| D  | mm | Mean coil diameter               | L2 | mm   | Loaded spring length          |
| De | mm | Outer coil diameter              | Ln | mm   | Maximum spring length         |
| Dh | mm | Minimum diameter of bush         | m  | mm   | Loop opening width            |
| F0 | N  | Initial tension                  | n  | pc.  | Number of active coils        |
| F1 | N  | Prestressed spring force         | nt | pc.  | Total number of coils         |
| F2 | N  | Loaded spring force              | s1 | mm   | Prestressed spring deflection |
| Fn | N  | Maximum spring force             | s2 | mm   | Loaded spring deflection      |
| Lh | mm | Loop height                      | sn | mm   | Maximum spring deflection     |
| Lk | mm | Length of unstressed spring body | sh | mm   | Excursion                     |
| L0 | mm | Unstressed spring length         | R  | N/mm | Spring rate                   |

| Symbol | Unit | Description                      | Value |
|--------|------|----------------------------------|-------|
| Lh     | mm   | Loop height                      | 42,05 |
| Lk     | mm   | Length of unstressed spring body | 0,63  |
| L0     | mm   | Unstressed spring length         | 50,00 |
| sn     | mm   | Maximum spring deflection        | 94,70 |
| sh     | mm   | Excursion                        | 1,30  |
| R      | N/mm | Spring rate                      | 1,11  |

The technical drawing shows a spring with a hook and a coiled body. Key dimensions are labeled: Dh (hook diameter) = 7,20; Lh (loop height) = 42,05; Lk (length of unstressed spring body) = 0,63; L0 (unstressed spring length) = 50,00; sn (maximum spring deflection) = 94,70; sh (excursion) = 1,30; R (spring rate) = 1,11; and F0 (initial force) = 1,11. The force-displacement diagram shows a linear relationship between force (F) and displacement (s), with a slope of R = 1,11 N/mm. The maximum force Fn is 13,93 N at a displacement of sn = 94,70 mm.

Spring test acc. to DIN ISO 2859/1 test level II

| Cantidad progresiva | Precio unidad [EUR] |
|---------------------|---------------------|
| 1                   | 6,3400 €            |
| 2                   | 3,9900 €            |
| 3                   | 2,6300 €            |
| 7                   | 2,1900 €            |
| 17                  | 1,1200 €            |
| 37                  | 0,7600 €            |
| 75                  | 0,5700 €            |
| 125                 | 0,5339 €            |
| 175                 | 0,5280 €            |
| 250                 | 0,5147 €            |
| 350                 | 0,4963 €            |
| 450                 | 0,4768 €            |