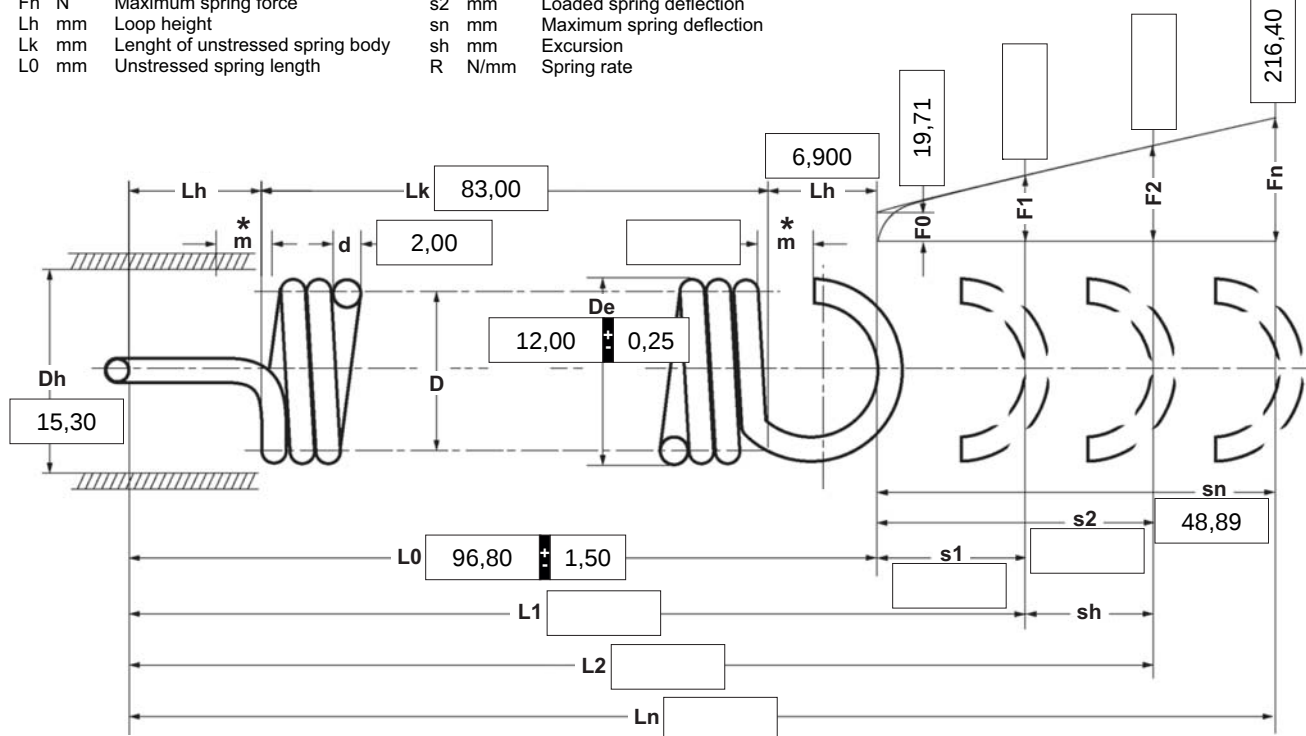


Weight  $q$  Weight of one spring

|     |    |                                  |    |      |                               |
|-----|----|----------------------------------|----|------|-------------------------------|
| 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 |
| Fxn | 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                   |

|        |         |
|--------|---------|
| 216,40 | + 16,96 |
|--------|---------|



|   |  |    |  |   |       |        |        |
|---|--|----|--|---|-------|--------|--------|
| n |  | nt |  | R | 4,025 | Weight | 33,080 |
|---|--|----|--|---|-------|--------|--------|

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                              |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>1 Coiling direction</b><br><input type="checkbox"/> left <input checked="" type="checkbox"/> right                                                                                                                                                                                                                                                                                                                                                          | <b>4 Stress cyc. end. N</b> <input style="width: 100%;" type="text"/>                                                                        |  |
| <b>2 Loop shape and loop position</b><br>Loop shape<br><div style="border: 1px solid black; padding: 5px; margin: 5px 0;">1/1 German loop</div> Loops offset to one another<br>by <div style="display: inline-block; border: 1px solid black; padding: 2px 10px; text-align: center;">180,0</div> <div style="display: inline-block; border: 1px solid black; padding: 2px 10px; text-align: center;">+ 34,0</div> degrees<br>(in the dir. of the right helix) | <b>5 Stress cycle frequ. n</b> <input style="width: 100%;" type="text"/> /                                                                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>6 Application temp.</b> <input style="width: 100%;" type="text"/> °C                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>7 Material</b><br><div style="border: 1px solid black; padding: 5px; margin: 5px 0;">EN 10270-1</div>                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>8 Wire or rod surface</b><br><input checked="" type="checkbox"/> drawn <input type="checkbox"/> rolled <input type="checkbox"/> metal-cut |  |
| <b>3 Excursion sh</b> <input style="width: 100%;" type="text"/> mm                                                                                                                                                                                                                                                                                                                                                                                             | <b>9 Surface treatment</b><br><div style="border: 1px solid black; height: 40px; margin: 5px 0;"></div>                                      |  |
| <b>Remarks</b><br><br>Paese d'origine: DE   Numero della tariffa doganale: 73202085                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                              |  |

| 10 Tolerances to DIN 2097 |                                     |                                     |                                     |                                     |                                     |
|---------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Grade                     | De, Di, D                           | L0                                  | F0-Fn                               | Loops                               | Wire diameter d to DIN 2076         |
| 1                         | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |                                     |
| 2                         | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
| 3                         | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

| 11 Production compensation through                             |                                           |
|----------------------------------------------------------------|-------------------------------------------|
| A spring resistance, associated length of tensed spring and L0 | F0, D <input checked="" type="checkbox"/> |
| A spring resistance, associated length of tensed spring and F0 | L0, n, d <input type="checkbox"/>         |
|                                                                | L0, D <input type="checkbox"/>            |
| Two spring resistances and associated length of tensed spring  | L0, n, d <input type="checkbox"/>         |
|                                                                | F0, D <input type="checkbox"/>            |

| Prices               |                      |
|----------------------|----------------------|
| Quantità progressive | Prezzo singolo [EUR] |
| 1                    | 6,3400 €             |
| 2                    | 3,9900 €             |
| 3                    | 2,6300 €             |
| 7                    | 2,1900 €             |
| 17                   | 1,1200 €             |
| 37                   | 0,7600 €             |
| 75                   | 0,5700 €             |
| 125                  | 0,5700 €             |
| 175                  | 0,5700 €             |
| 250                  | 0,5700 €             |
| 350                  | 0,5700 €             |
| 450                  | 0,5700 €             |