



Illustr.2. Spring ends lined up

Illustr.3. Spring ends lined  
up, forged  
and ground

|   |                              |                                                                             |                                                                                                             |
|---|------------------------------|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| 1 | No. of Active Coils          | n = 5.5                                                                     |                                                                                                             |
|   | Total No. of Coils           | nt = 7.5                                                                    |                                                                                                             |
| 2 | Direction of Coils           | right<br>left                                                               | <input checked="" type="radio"/><br><input type="radio"/>                                                   |
| 3 | Deburring of Spring Ends     | no<br>inside<br>outside                                                     | <input checked="" type="radio"/><br><input type="radio"/><br><input type="radio"/>                          |
| 4 | Working Path (Stroke)        |                                                                             |                                                                                                             |
| 5 | Stress Cycle Frequency       |                                                                             |                                                                                                             |
| 6 | Range of working temperature | 0 .. 80 °C                                                                  |                                                                                                             |
| 7 | Wire or<br>Rod Surface       | drawn<br>rolled<br>tipless grinding<br>spring shot-blasted with steel balls | <input checked="" type="radio"/><br><input type="radio"/><br><input type="radio"/><br><input type="radio"/> |
| 8 | Surface Protection:          |                                                                             |                                                                                                             |
| 9 | Material: SH/DH              |                                                                             |                                                                                                             |

|    |                                                                                                           |                                                                  |                       |                                             |                       |
|----|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------------------|---------------------------------------------|-----------------------|
| 10 |                                                                                                           | Permissible Deviations<br>according to EN 15800<br>Quality Class |                       |                                             | DIN<br>2096           |
|    |                                                                                                           | 1                                                                | 2                     | 3                                           |                       |
|    | De, Di                                                                                                    | <input type="radio"/>                                            | <input type="radio"/> | <input type="radio"/>                       | <input type="radio"/> |
|    | L0                                                                                                        | <input type="radio"/>                                            | <input type="radio"/> | <input type="radio"/>                       | <input type="radio"/> |
|    | F1                                                                                                        | <input type="radio"/>                                            | <input type="radio"/> | <input type="radio"/>                       | <input type="radio"/> |
|    | F2                                                                                                        | <input type="radio"/>                                            | <input type="radio"/> | <input type="radio"/>                       | <input type="radio"/> |
|    | e1                                                                                                        | <input type="radio"/>                                            | <input type="radio"/> | <input type="radio"/>                       | <input type="radio"/> |
|    | e2                                                                                                        | <input type="radio"/>                                            | <input type="radio"/> | <input type="radio"/>                       | <input type="radio"/> |
|    | d                                                                                                         |                                                                  |                       |                                             |                       |
| 11 | Manufacturing Tolerance                                                                                   |                                                                  |                       | by:                                         |                       |
|    | a) if the spring force and the<br>spring length are specified                                             |                                                                  |                       | L0 <input type="radio"/>                    |                       |
|    | b) if the spring force, the spring<br>length and L0 are specified                                         |                                                                  |                       | n and<br>d <input checked="" type="radio"/> |                       |
|    |                                                                                                           |                                                                  |                       | n and<br>De, Di <input type="radio"/>       |                       |
|    | c) if two spring forces and<br>the spring lengths are<br>specified                                        |                                                                  |                       | L0, n and<br>d <input type="radio"/>        |                       |
|    |                                                                                                           |                                                                  |                       | L0, n and<br>De, Di <input type="radio"/>   |                       |
| 12 | Springs to be supplied<br>not set may be longer<br>than L0                                                |                                                                  |                       |                                             |                       |
|    | Set Test Springs !<br>Supply remaining springs set <input type="radio"/><br>not set <input type="radio"/> |                                                                  |                       |                                             |                       |

|       |              |      |      |                                                                                     |      |         |  |  |
|-------|--------------|------|------|-------------------------------------------------------------------------------------|------|---------|--|--|
|       |              |      |      | Date                                                                                | Name | Feder   |  |  |
|       |              |      |      | Compl.                                                                              |      |         |  |  |
|       |              |      |      | Check                                                                               |      |         |  |  |
|       |              |      |      | Stand.                                                                              |      |         |  |  |
|       |              |      |      |  |      | D-10005 |  |  |
|       |              |      |      |                                                                                     |      |         |  |  |
|       |              |      |      |                                                                                     |      |         |  |  |
| Cond. | Modification | Date | Name | ZILLER Böhmenkirch                                                                  |      |         |  |  |