



Illustr. 1. Spring ends lined up and ground

Illustr. 2. Spring ends lined up

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

|   |                              |  |  |
|---|------------------------------|--|--|
| 1 | No. of Active Coils          | n = 3.5  |  |
|   | Total No. of Coils           | nt = 5.5   |  |
| 2 | Direction of Coils           | right <input checked="" type="checkbox"/><br>left <input type="checkbox"/>   |  |
| 3 | Deburring of Spring Ends     | no <input checked="" type="checkbox"/><br>inside <input type="checkbox"/><br>outside <input type="checkbox"/>  |  |
| 4 | Working Path (Stroke)        |  |  |
| 5 | Stress Cycle Frequency       |  |  |
| 6 | Range of working temperature | 0 .. 80 °C   |  |
| 7 | Wire or Rod Surface          | drawn <input checked="" type="checkbox"/><br>rolled <input type="checkbox"/><br>tipless grinding <input type="checkbox"/><br>spring shot-blasted with steel balls <input type="checkbox"/> |  |
| 8 | Surface Protection:          |  |  |
| 9 | Material:                    | SH/DH  |  |

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

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

Feder

D-20042