



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          | $n = 8.5$  |  |
|   | Total No. of Coils           | $nt = 10.5$  |  |
| 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 | $0 \dots 80 \text{ } ^\circ\text{C}$   |  |
| 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 !<br>Supply remaining springs set <input type="checkbox"/><br>not set <input type="checkbox"/> |                          |                          |                          |                                     |
|    | Springs to be supplied not set may be longer than L0  |                          |                          |                          |                                     |

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

Feder

D-20044

