



(Spring Rate R = 0.4 N/mm  
 (Wire Length L = 7.1 mm)  
 (Coil Pitch P = mm)  
 (Mass m = 0.042 g)

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 = 5.5  |
|   | Total No. of Coils           | nt = 7.5   |
| 2 | Direction of Coils           | right <input checked="" type="radio"/><br>left <input type="radio"/>   |
| 3 | Deburring of Spring Ends     | no <input checked="" type="radio"/><br>inside <input type="radio"/><br>outside <input type="radio"/>   |
| 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="radio"/><br>rolled <input type="radio"/><br>tipless grinding <input type="radio"/><br>spring shot-blasted with steel balls <input type="radio"/> |
| 8 | Surface Protection:          |  |
| 9 | Material:                    | 1.4310   |

|    |  |  |                                  |                       |                       |
|----|--|--|----------------------------------|-----------------------|-----------------------|
| 10 | Permissible Deviations according to EN 15800 Quality Class     |  |                                  |                       | DIN 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 spring length are specified     | L0   | <input type="radio"/>            |                       |                       |
|    | b) if the spring force, the spring length and L0 are specified | n and d  | <input checked="" type="radio"/> |                       |                       |
|    |  | n and De, Di   | <input type="radio"/>            |                       |                       |
|    | c) if two spring forces and the spring lengths are specified   | L0, n and d  | <input type="radio"/>            |                       |                       |
|    |  | L0, n and De, Di                                     | <input type="radio"/>            |                       |                       |
| 12 | Set Test Springs !   | Springs to be supplied not set may be longer than L0 |                                  |                       |                       |
|    | Supply remaining springs set                                   | <input type="radio"/>                                |                                  |                       |                       |
|    | not set  | <input type="radio"/>                                |                                  |                       |                       |

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

Feder

RD-03017

