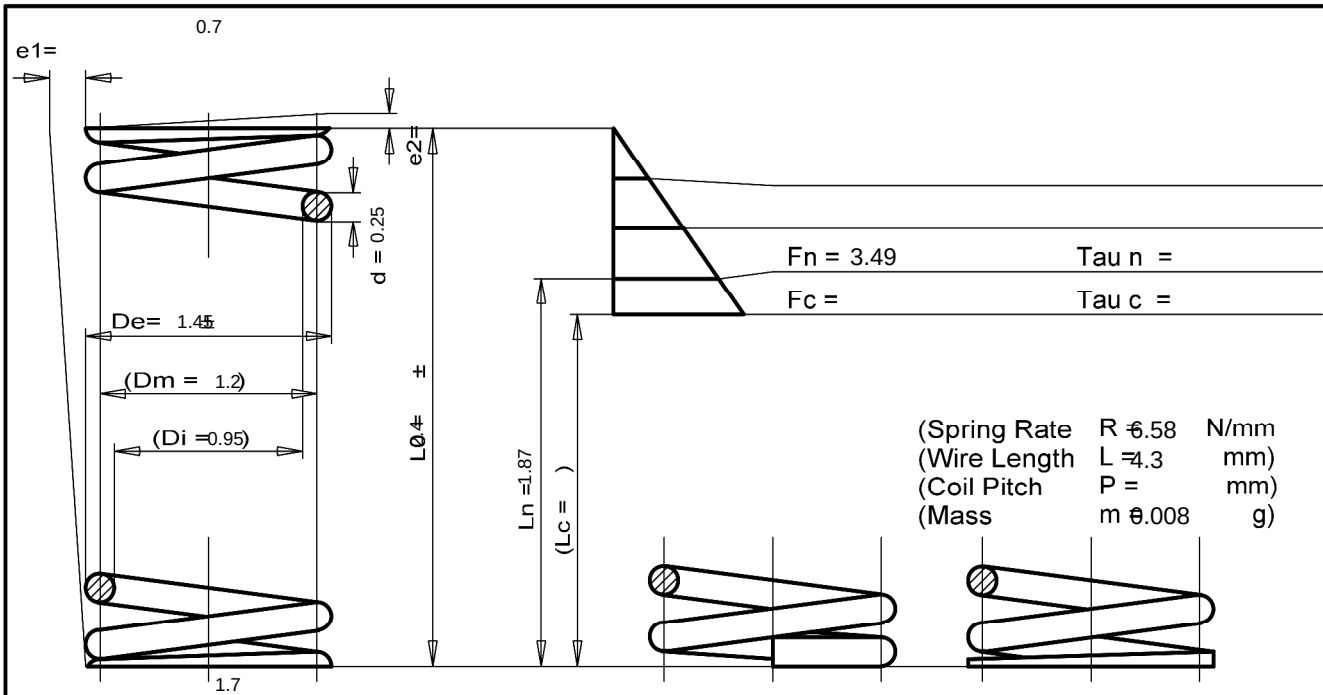




Illustr. 1. Spring ends lined up and ground  
Illustr. 2. Spring ends lined up  
Illustr. 3. Spring ends lined up, forged and ground

|   |                              |                                                                                                                                                                                            |
|---|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 | $0 \dots 80 \text{ }^{\circ}\text{C}$                                                                                                                                                      |
| 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 | Feder   |
|       |              |      |      | Compl.             |      |         |
|       |              |      |      | Check              |      |         |
|       |              |      |      | Stand.             |      |         |
|       |              |      |      |                    |      | D-02501 |
|       |              |      |      |                    |      |         |
| Cond. | Modification | Date | Name | ZILLER Böhmenkirch |      |         |

