



(Spring Rate $R \approx 1.07 \text{ N/mm}$
 (Wire Length $L \approx 235.6 \text{ mm}$
 (Coil Pitch $P = \text{ mm}$
 (Mass $m \approx 170.000 \text{ g}$)

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="checkbox"/> left <input type="checkbox"/>	
3	Deburring of Spring Ends	no <input checked="" type="checkbox"/> inside <input type="checkbox"/> 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"/> rolled <input type="checkbox"/> tipless grinding <input type="checkbox"/> spring shot-blasted with steel balls <input type="checkbox"/>	
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="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"/>			

Copying of this document and giving it to other and the use or communication of the contents thereof, are forbidden without express authority. Offenders are liable to the payment of damages. All rights are reserved in the event of the grant of a patent or the registration of a utility model or design.

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

Feder

RD-100802

