



Illustr. 1. Spring ends lined up and ground

Illustr. 2. Spring ends lined up

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

(Spring Rate $R \approx 2.4$ N/mm)
 (Wire Length $L \approx 49.5$ mm)
 (Coil Pitch $P =$ mm)
 (Mass $m \approx 481$ g)

1	No. of Active Coils	$n = 15.5$	
	Total No. of Coils	$nt = 17.5$	
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 ! Supply remaining springs set <input type="checkbox"/> 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	
RD-09001-04	