



Fn = 262.13 Tau n =
Fc = Tau c =

(Spring Rate R = 4.51 N/mm
(Wire Length L = 28.8 mm)
(Coil Pitch P = mm)
(Mass m = 9.900 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 = 18.5	
	Total No. of Coils	nt = 20.5	
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 .. 80 °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:	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 !		Springs to be supplied not set may be longer than L0		
	Supply remaining springs set		<input type="checkbox"/>		
	not set		<input type="checkbox"/>		

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

Feder

D-20025