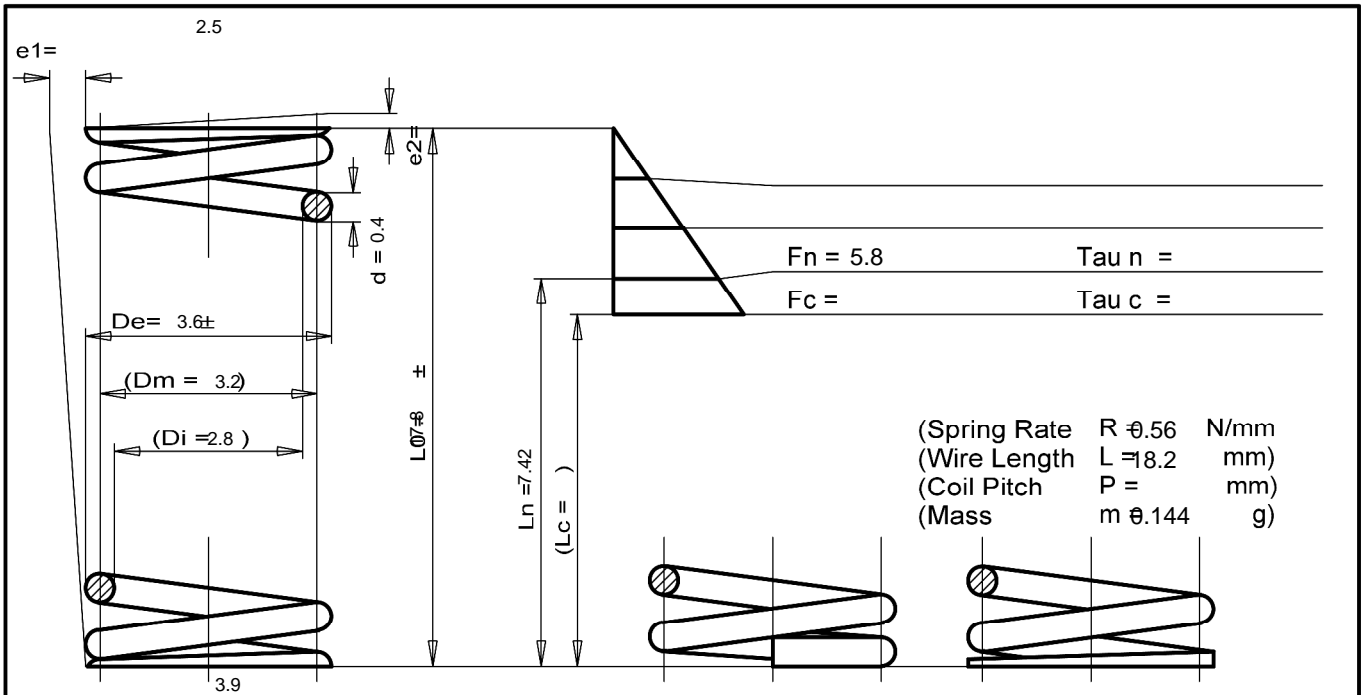


HEXAGON FED1+ Druckfederberechnung nach EN 13906-1 V31.0



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	$n = 12.5$
	Total No. of Coils	$nt = 14.5$
2	Direction of Coils	right <input checked="" type="radio"/> left <input type="radio"/>
3	Deburring of Spring Ends	no <input checked="" type="radio"/> inside <input type="radio"/> outside <input type="radio"/>
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="radio"/> rolled <input type="radio"/> tipless grinding <input type="radio"/> 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-04024-01

