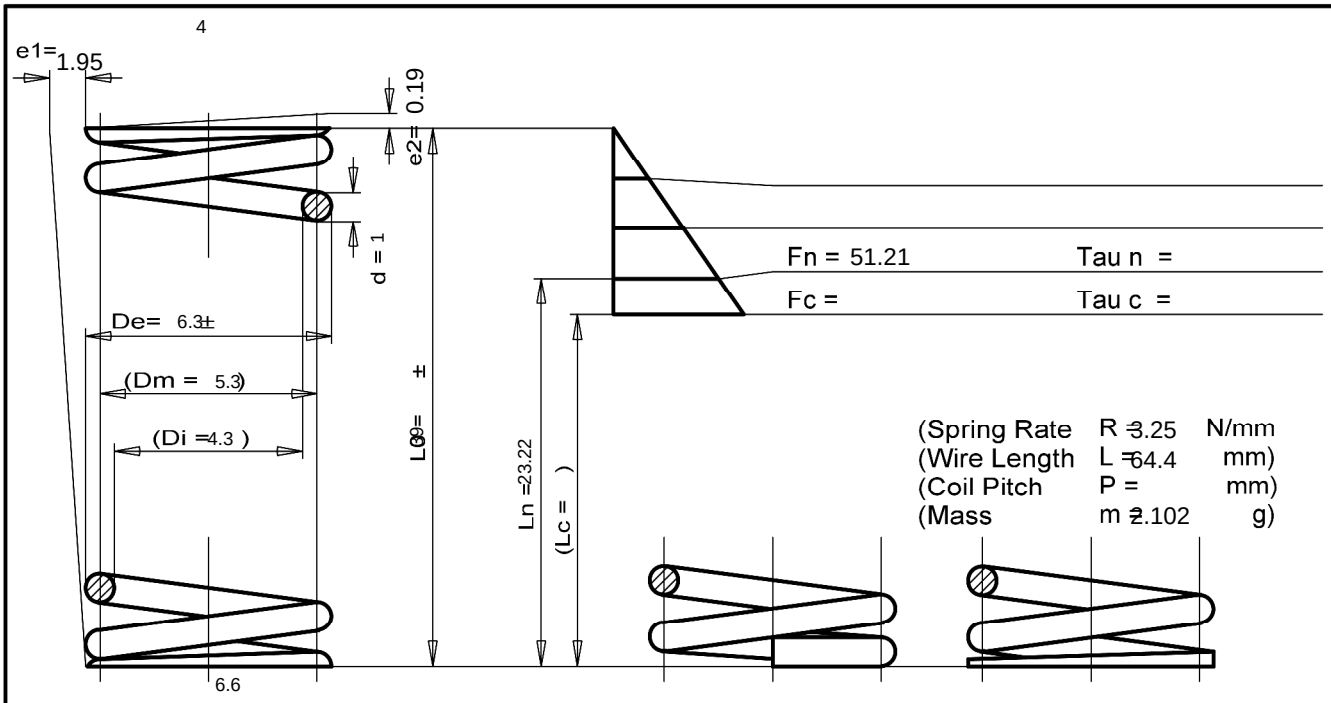
HEXAGON FED1+ Druckfederberechnung nach EN 13906-1 V31.0



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 = 18.5	
	Total No. of Coils	nt = 20.5	
2	Direction of Coils	right	⊗
		left	○
3	Deburring of Spring Ends	no	⊗
		inside	○
		outside	○
4	Working Path (Stroke)		
5	Stress Cycle Frequency		
6	Range of working temperature	0 .. 80 °C	
7	Wire or Rod Surface	drawn	⊗
		rolled	○
		tipless grinding	○
		spring shot-blasted with steel balls	○
8	Surface Protection:		
9	Material: 1.4310		

10 Permissible Deviations according to EN 15800 Quality Class / DIN 2096

	1	2	3	DIN 2096
De, Di	○	○	○	○
L0	○	○	○	○
F1	○	○	○	○
F2	○	○	○	○
e1	○	○	○	○
e2	○	○	○	○
d				

11	Manufacturing Tolerance	by:	
	a) if the spring force and the spring length are specified	L0	○
	b) if the spring force, the spring length and L0 are specified	n and d	⊗
		n and De, Di	○
	c) if two spring forces and the spring lengths are specified	L0, n and d	○
		L0, n and De, Di	○

12 Set Test Springs !
Supply remaining springs set ○
not set ○
Springs to be supplied not set may be longer than L0

Cond.	Modification	Date	Name

	Date	Name
Compl.		
Check		
Stand.		

ZILLER PRÄZISIONSFEDERN

ZILLER Böhmenkirch

Feder

RD-10015

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