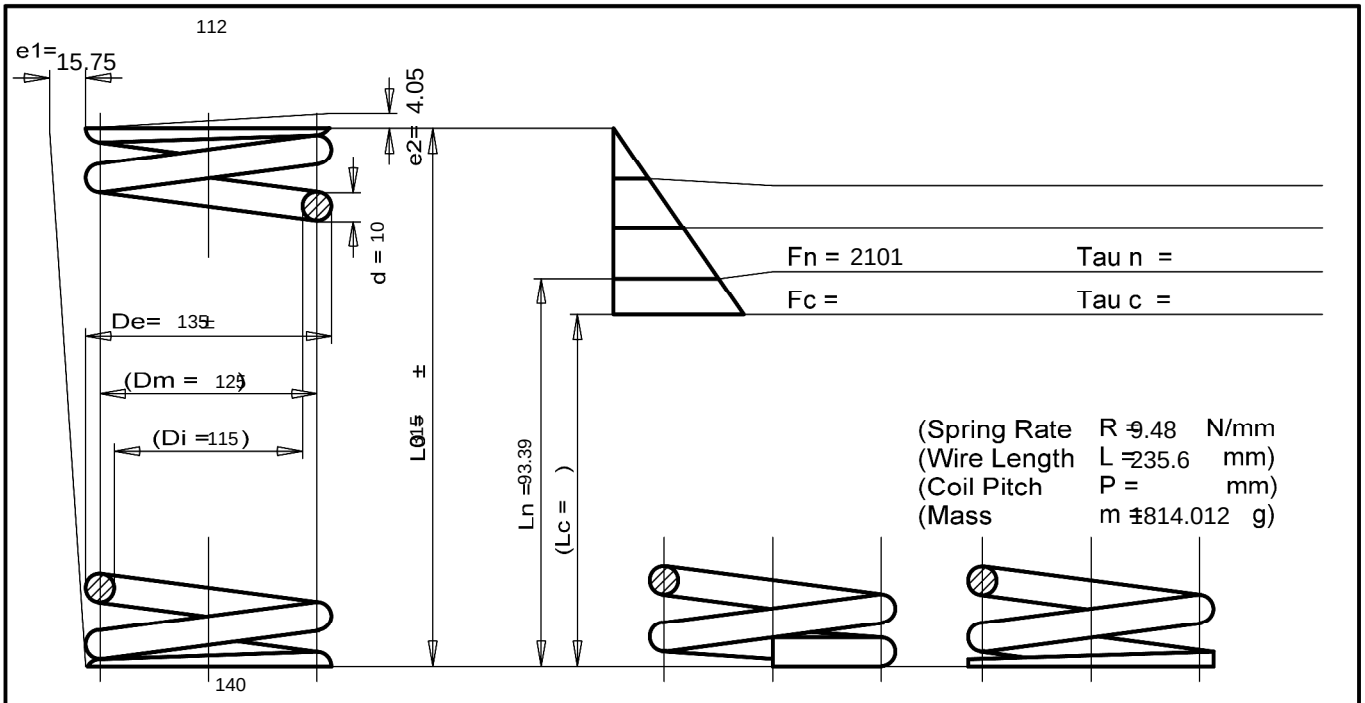
HEXAGON FED1+ Druckfederberechnung nach EN 13906-1 V31.0



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 = 5.5
	Total No. of Coils	nt = 7.5
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: SH/DH	

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

D-101202

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