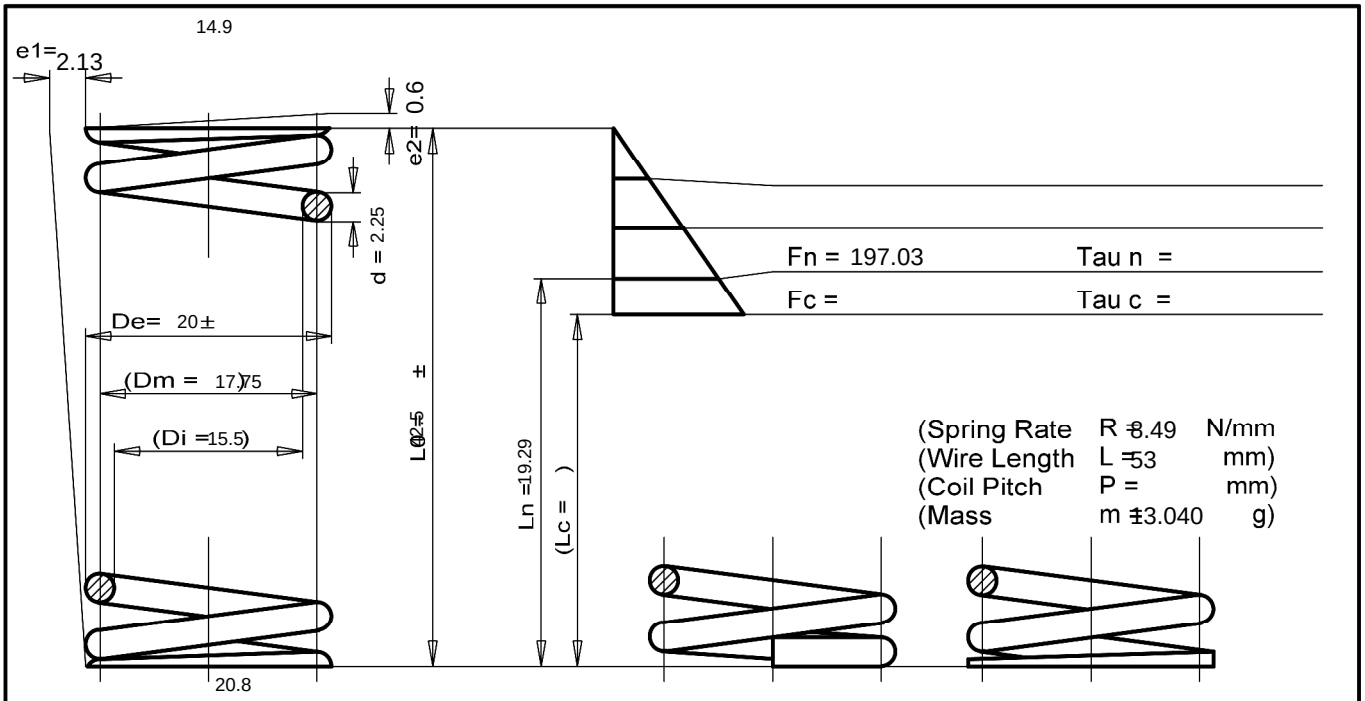
HEXAGON FED1+ Druckfederberechnung nach EN 13906-1 V31.0



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

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

ZILLER PRÄZISIONSFEDERN

Feder

D-22512

Copying of this document and giving it to other and the use or communication of the contents therof, are forbidden without express authority. Offenders are liable to the payment of damages. All rights are reserved in the event of the grant of a patent or the registration of a utility model or design.