

Technical drawing of a helical spring with dimensions and stress analysis.

Dimensions:

- Outer diameter: $De = 21.6 \pm 0.45$
- Mean diameter: $(Dm = 20)$
- Inner diameter: $(Di = 18.4)$
- Wire diameter: $d = 1.6$
- Free height: $L_0 = 48 \pm$
- Coiled height: $L_n = 10.88$
- Coil length: $(L_c =)$
- End distance: $e1 = 2.4$
- End distance: $e2 = 0.65$
- End distance: ≤ 17.8
- End distance: 22.4

Stress Analysis:

Stress distribution diagram showing the variation of stress along the length of the spring.

Stress values:

- $F_n = 77.66$
- $F_c =$

Tau n =
Tau c =

Spring Properties:

- Federrate $R = 2.09$ N/mm
- (Drahtlänge $L = 27.6$ mm)
- (Steigung $P =$ mm)
- (Masse $m = 5.480$ g)

Form 3. Federenden
○ angelegt, geschmiedet
und geschliffen

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