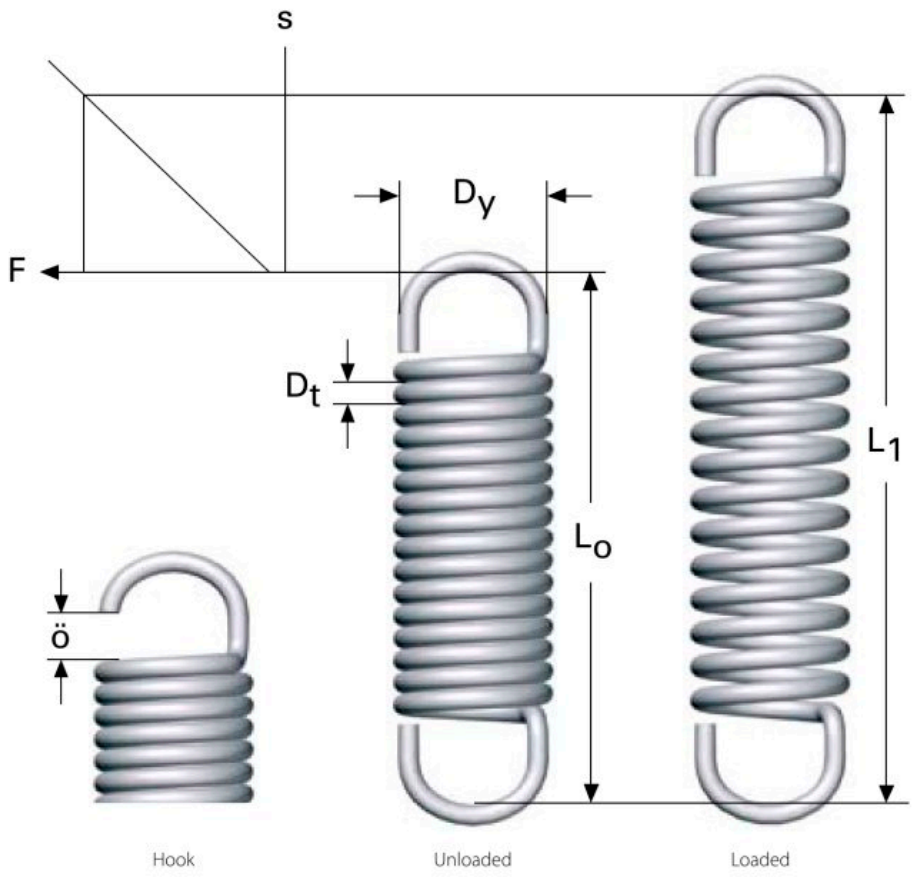
EXTENSION SPRING

SF-DF, SF-DFR Stainless steel



All dimensions are in mm

D_t = Wire diameter

D_y = Outer diameter

L_o = Free length

n_v = No of active coils

c = Rate

F_o = Initial force in Newtons, required force before the spring starts to extend

L_1 = Permitted extended length for dynamic load

F = Spring force in Newtons

s = Deflection

Material: Spring steel EN 10270-1-SM
Stainless steel EN 10270-3-1.4310

Tolerances: SS 2384, see page 220 for more information.

Max. working temperature: EN 10270-1 = 120 °C
EN 10270-3-1.4310 = 250 °C

End design: D_t 0.2–1.5 high loop,
D_t > 1.5 normal loop in accordance with SS 2386.
See page 214 for more information.

The loop can be cut using cutting pliers or a hacksaw to form a normal hook.

To calculate the spring force at a certain length, the travel in mm is multiplied by the rate (c) + the initial force (F_o).

1 kp = 9.80665 Newtons, 1 Newton = 0.10197 kp