

F0 N	Initial tension
F1 N	Prestressed spring force
F2 N	Loaded spring force
Fn N	Maximum spring force
s1 mm	Prestressed spring deflection
s2 mm	Loaded spring deflection
sn mm	Maximum spring deflection

Chart values:

(0): $s_0 = 0,00 \text{ mm}$; $F_0 = 5,50 \text{ N}$ (x): $s_n = 174,94 \text{ mm}$; $F_n = 84,86 \text{ N}$ **Spring characteristic (force-displacement diagram)**