Gas Strut Force Calculation Chart

Force Calculation

Lt

Lg 730

400

L1

Fg
5Kg

500 Strut
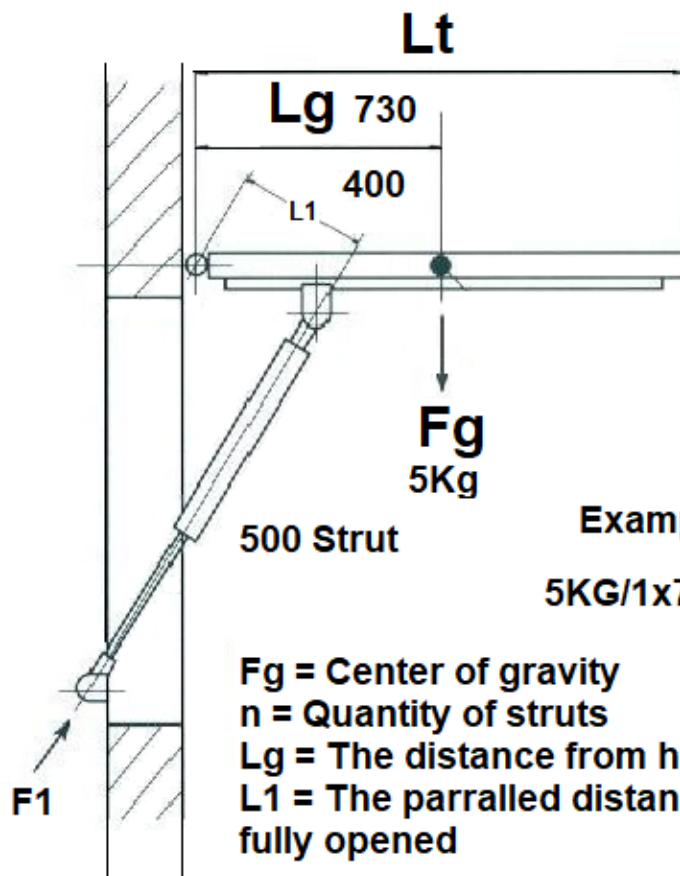
LG to Newtons
5KG x 9.8 = 49N

Calculation Example

$$F1 = Fg/n \times Lg/L1$$

Example 500-8-18-210s   **Example 830-10-22-340s**

5KG/1x730/400 = 9.25 kg   25kg/2x1620/670 = 30.22kg

Fg = Center of gravity
n = Quantity of struts
Lg = The distance from hinge to the center of gravity
L1 = The parralled distance from the hinge to the gas strut
fully opened

F1