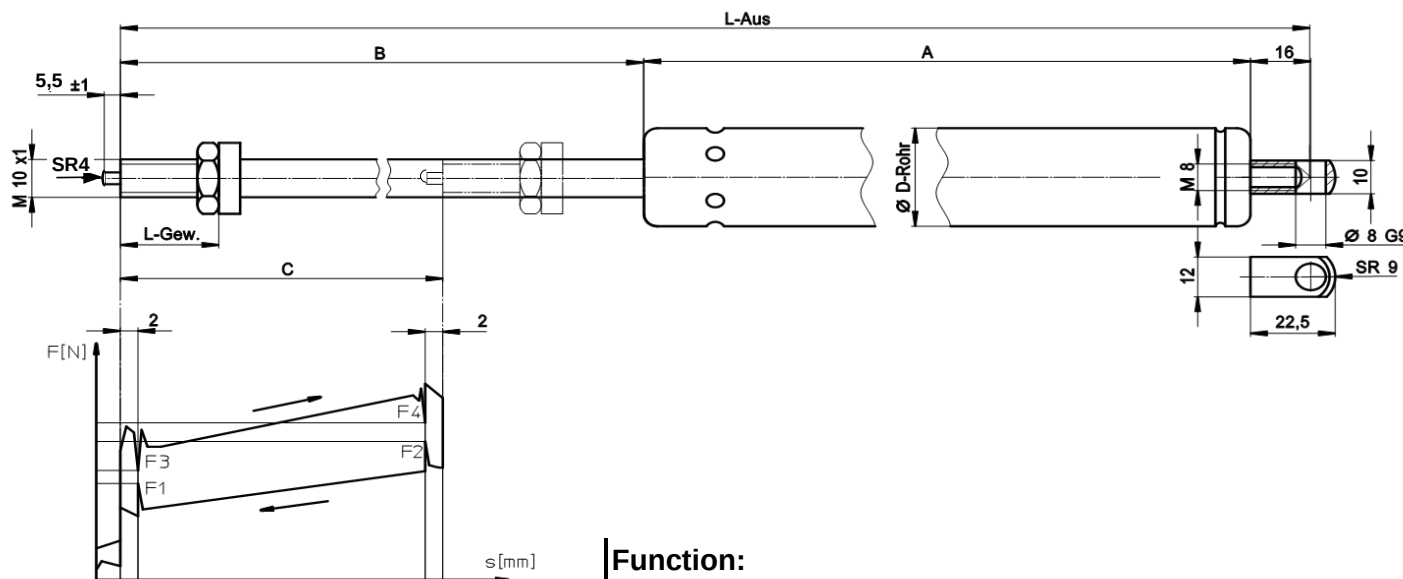




Ø8 G9 = Ø8 ^{+0,041}/_{+0,005}

Drawing is not true to scale

Unspecified dimensions of connection parts
to be taken from 3D data

Dimensions without tolerance:
up to 20mm ±0,2 / bigger than 20mm ±0,3

Information to surfaces:

- * Tube painted black (RAL 9005)
- * piston rod black nitrated
- * Corrosion resistance 120 hrs., tested acc. to DIN EN ISO 6270-2 CH, without functional changes

Installation instructions:

- * Installation with piston rod pointing downward
- * Application temperature range from -30°C to 80 °C
- * Unlocking under block load not permitted!
- * Please protect gas cylinder, piston rod and seal assembly against contamination and mechanical damage
- * When installed, no side loads should act on the gas cylinder!
- * Before disposing of the gas cylinder it must be depressurized!
- * Consider storage information F_287 & disposal information AW_302

Function:

- * Locking: Pin completely released
- * Unlocking: Activate release pin

Information about forces:

- * Slide in force and extension force measured at 20°C with piston rod pointing downward
- * F1 to F4 are static forces, measuring points approached at 8,33 mm/s

Locking:

- * Elastically locking

Static load limit in locked condition:

- * Max. admissible load under tension 3500 N
- * Max. admissible load under compression 900 N

L-Aus (extended length) [mm]:	1006,0 ^{+2,4} / _{-1,6}
A-dim [mm]:	571,0 ^{+1,0} / _{-1,0}
B-dim [mm]:	419,0 ^{+1,2} / _{-1,4}
C-dim (rod travel not to exceed) [mm]:	400,0 ⁺² / ₋₂
L-Gew. (Length of thread) [mm]:	18,0 ⁺² / ₋₂
D-Rohr (Tube dia.) [mm]:	22 ^{+0,5} / _{-0,2}
F1[N]:	100 ⁺⁴⁰ / ₋₂₀
F4 [N]:	(210)
release-travel gas spring [max. mm]:	3,5
release-force gas spring [max. N]:	30
Progressivity (i.e. F2/F1) [-]:	(~1,26)
Cross section of damping [mm²]:	(0,4)
Extension speed [m/s]:	(0,45)

This drawing is our property! Without our approval it should not be copied, handed over to third parties or subject to any unauthorized use (DIN ISO 16016)

SUSPA

Customer:

BIOTEK

designed by:ri

16.12.2024

Designation:

EL1-571-419-100N

Part No.:

K59396A