



Drawing is not true to scale

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

Dimensions without tolerance:
up to 20mm $\pm 0,2$ / bigger than 20mm $\pm 0,3$

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:

- * Any installation position
- * 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:

- * Unlocking: Activate release lever
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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:

- * Rigidly locking under tension up to 135 N
- * Rigidly locking under compression up to 770 N

Static load limit in locked condition:

- * Max. admissible load under tension 1200 N
- * Max. admissible load under compression 770 N

L-Aus System(ext. leng. sys.) [mm]:	1001,0	+3,4 -2,6
L-Aus (extended length) [mm]:	(984)	
A-dim [mm]:	530,0	+1,0
B-dim [mm]:	454,0	+1,2 -1,4
C-dim (rod travel not to exceed) [mm]:	435,0	+2
L-Gew. (Length of thread) [mm]:	18,0	+2
D-Rohr (Tube dia.) [mm]:	27	+0,5 -0,2
F1[N]:	85	+15 -15
F4 [N]:	(205)	
release-travel gas spring [max. mm]:	3,5	
release-force gas spring [max. N]:	35	
Progressivity (i.e. F2/F1) [-]:	(~1,61)	
Cross section of damping [mm²]:	(7,5)	
Extension speed [m/s]:	(0,6)	

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Customer:		BIOTEK	
designed by:ri	Designation:	Part No.:	
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