



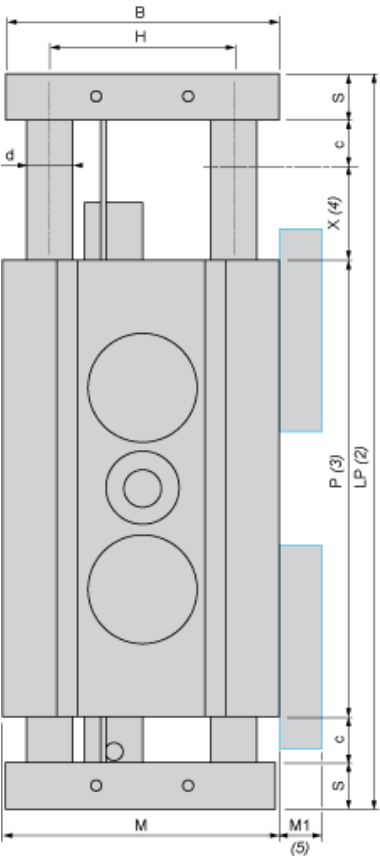
Main

Range of product	Lexium CAS
Product or component type	Cantilever axis
Product specific application	For 1 direction
Load position	On the 2 end blocks
Drive type	Rack
Guide type	Ball

Complementary

Operating position	Vertical
Function available	Different types of motor mounting
Permanent permissible load	1 kg
Operating force	≤ 130 N for Z axis ≤ 160 N for Y axis ≤ 80 N for X axis
Maximum actuation speed	3 m/s
Acceleration	≤ 20 m/s ²
Torque value	≤ 3.5 N.m for Z axis ≤ 2.8 N.m for Y axis ≤ 1.9 N.m for X axis ≤ 0.6 N.m driving torque
Operating travel	8...150 mm
Repeat accuracy	+/- 0.05 mm
Mechanical service life	15000 km

Size Characteristics

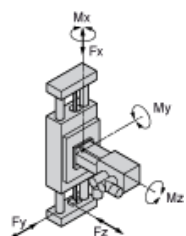


- (2) LP: total length of axis
(3) P: length of drive element
(4) X: stroke, depending on application
(5) Only for Lexium CAS 30 cantilever axes with sensors and CAS 31

B	mm	66
in.	2.60	
c	mm	13
in.	0.51	
d	mm	10
in.	0.39	
H	mm	30
in.	1.18	
LP	mm	= 120 + X
in.	= 4.72 + X	
M	mm	66
in.	2.60	
M1	mm	10
in.	0.39	
P	mm	70
in.	2.76	
S	mm	12

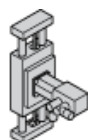
in.	0.47
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Forces and Torques Exerted on the Lexium CAS 3 Cantilever Axis



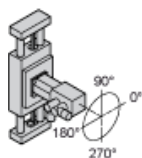
Type of Interface for the Drive Element

Drive Element Fixed on Right-Hand Side

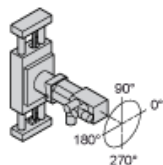


Possible Motor Drive Configurations and Orientations

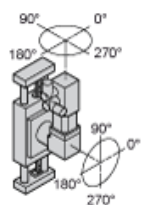
Motor only without Gearbox



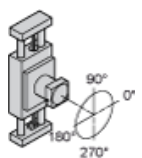
Motor with Planetary Gearbox



Motor with Angular Planetary Gearbox



Planetary Gearbox only



Angular Planetary Gearbox only

