



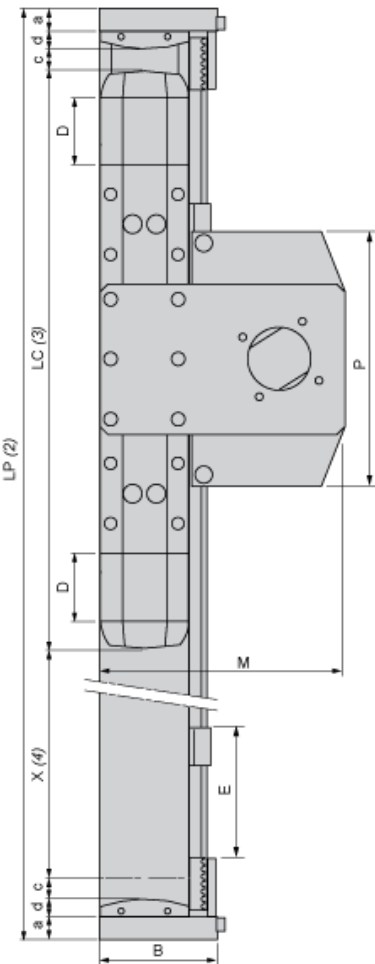
Main

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

Complementary

Operating position	Vertical
Function available	Different types of sensors for the limit switch function Anti-corrosion version proof enhance Anti-static belt Protective metal strip Different types of motor mounting
Permanent permissible load	15 kg
Operating force	≤ 3540 N for Z axis ≤ 3540 N for Y axis ≤ 650 N for X axis
Maximum actuation speed	3 m/s
Acceleration	≤ 20 m/s ²
Torque value	≤ 250 N.m for Z axis ≤ 250 N.m for Y axis ≤ 24 N.m for X axis ≤ 16 N.m driving torque
Operating travel	9...600 mm
Repeat accuracy	+/- 0.05 mm
Outer dimension	60 x 60 mm
Mechanical service life	15000 km

Size Characteristics

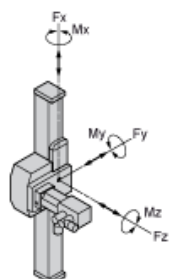


- (2) LP: total length of axis
- (3) LC: length of drive element
- (4) X: stroke, depending on application

		Without protective metal strip	With protective metal strip
a	mm	15	15
in.	0.59	0.59	
B	mm	78	78
in.	3.07	3.07	
c	mm	15	15
in.	0.59	0.59	
d	mm	–	11.5
in.	–	0.45	
D	mm	–	48.5
in.	–	1.91	
E	mm	85	145
in.	3.35	5.71	
LC	mm	296	393
in.	11.65	15.47	

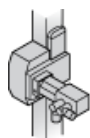
		Without protective metal strip	With protective metal strip
LP	mm	$= 356 + X$	$= 476 + X$
in.	$= 14.02 + X$	$= 18.74 + X$	
M	mm	163.5	163.5
in.	6.44	6.44	
P	mm	170	170
in.	6.69	6.69	

Forces and Torques Exerted on the Lexium CAS 4 Cantilever Axis

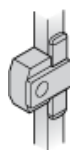


Types of Interface for the Drive Element

Drive Element Fixed on Right-Hand Side

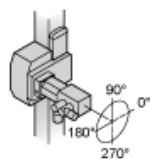


Axis with no Drive

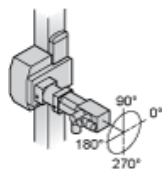


Possible Motor Drive Configurations and Orientations

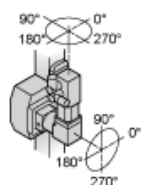
Motor only without Gearbox



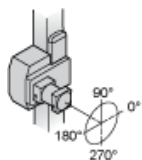
Motor with Planetary Gearbox



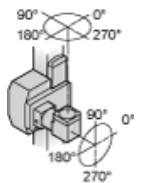
Motor with Angular Planetary Gearbox



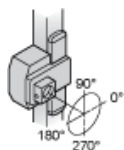
Planetary Gearbox Only



Angular Planetary Gearbox Only



Without Motor / Without Gearbox / With Adaptor Plate for the Drive Element



Without Motor / Without Gearbox

