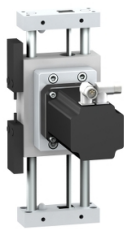


Product data sheet

Specifications



cantilever axis CAS 3 - size 79x29 - toothed belt - ball

CAS31BC

⚠ Discontinued on: Dec 31, 2021

⚠ To be end-of-service on: Dec 31, 2026

⚠ Discontinued - Service only

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	Toothed belt
Type Of Guide	Ball

Complementary

Operating Position	Vertical
Function Available	Anti-static belt Anti-corrosion version Different types of motor mounting
Operating Force	125 N for Fx 210 N for Fy 180 N for Fz
Maximum Speed	3 m/s
Acceleration	20 m/s²
Max. Drive Torque	1.5 N.m
Max. Torque	<5.1 N.m for Mx <6.7 N.m for My <7.8 N.m for Mz
Min. ... Max. Stroke	8...200 mm
Repeat Accuracy	+/- 0.05 mm
Service Life	15000 km

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

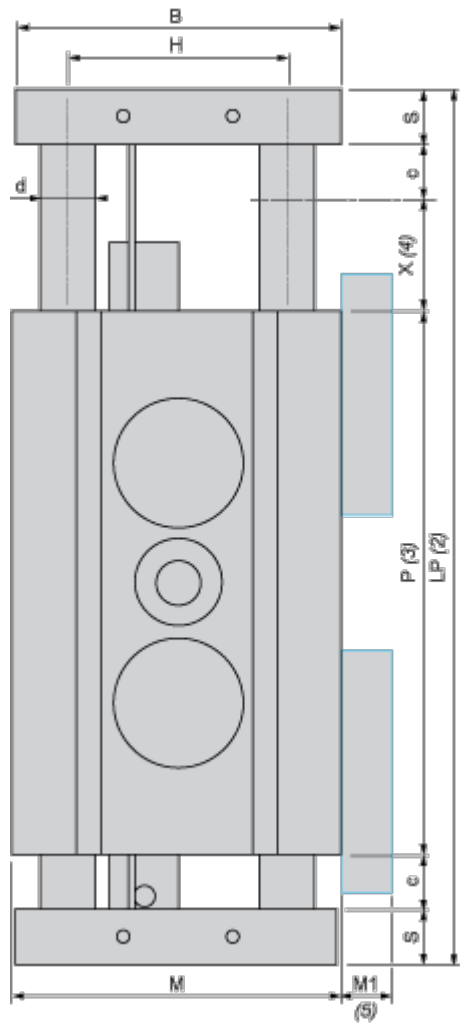
Contractual warranty

Warranty	18 months
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Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Dimensions Drawings

Size Characteristics



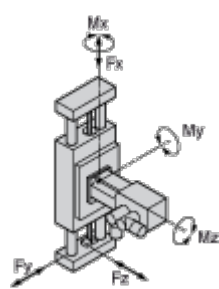
- (2) LP: total length of axis
- (3) P: length of drive element
- (4) X: stroke, depending on application
- (5) Only for Lexium CAS 30 cantilever axes with sensors and CAS 31

B	mm	79
	in.	3.11
c	mm	10
	in.	0.39
d	mm	10
	in.	0.39
H	mm	56

	in.	2.20
LP	mm	= 150 + X
	in.	= 5.90 + X
M	mm	80
	in.	3.15
M1	mm	10
	in.	0.39
P	mm	100
	in.	3.94
S	mm	15
	in.	0.59

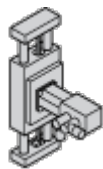
Technical Description

Forces and Torques Exerted on the Lexium CAS 3 Cantilever Axis



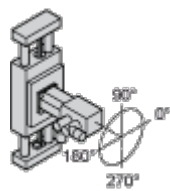
Type of Interface for the Drive Element

Drive Element Fixed on Right-Hand Side

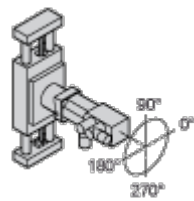


Possible Motor Drive Configurations and Orientations

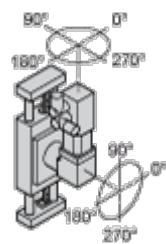
Motor only without Gearbox



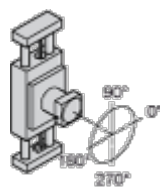
Motor with Planetary Gearbox



Motor with Angular Planetary Gearbox



Planetary Gearbox only



Angular Planetary Gearbox only

