

Product data sheet

Specifications



cantilever axis CAS 3 - size 65x23 - rack - ball

CAS30RC

⚠ 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	Rack
Type Of Guide	Ball

Complementary

Operating Position	Vertical
Function Available	Different types of motor mounting
Operating Force	80 N for Fx 160 N for Fy 130 N for Fz
Maximum Speed	3 m/s
Acceleration	20 m/s²
Max. Drive Torque	0.6 N.m
Max. Torque	<1.9 N.m for Mx <2.8 N.m for My <3.5 N.m for Mz
Min. ... Max. Stroke	8...150 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

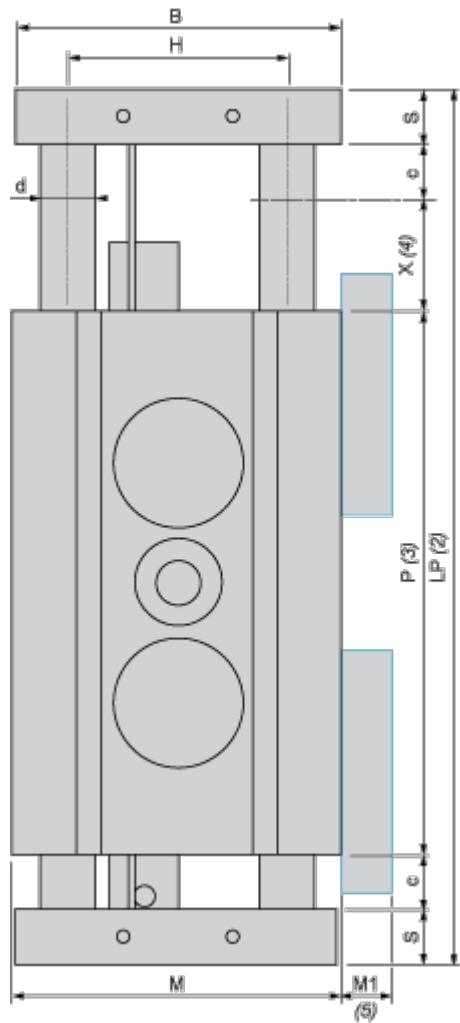
Contractual warranty

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



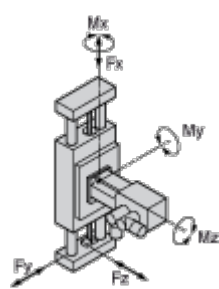
- (2) LP: total length of axis
- (3) P: length of drive element
- (4) X: stroke, depending on application
- (5) Only for Lexium CAS 30 cantilever axes with sensors and CAS 31

B	mm	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

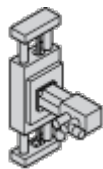
Technical Description

Forces and Torques Exerted on the Lexium CAS 3 Cantilever Axis



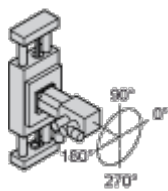
Type of Interface for the Drive Element

Drive Element Fixed on Right-Hand Side

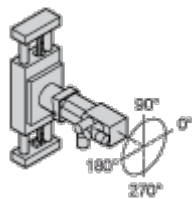


Possible Motor Drive Configurations and Orientations

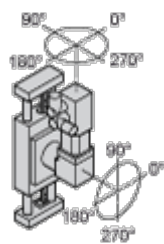
Motor only without Gearbox



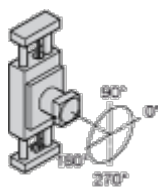
Motor with Planetary Gearbox



Motor with Angular Planetary Gearbox



Planetary Gearbox only



Angular Planetary Gearbox only

