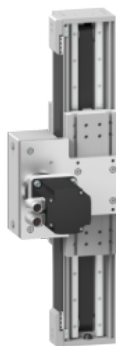


Product data sheet

Specifications



Telescopic axis, Lexium CAS, model range 2, profile size 120 x 95 mm, toothed belt, double ball guide

CAS24BB

Main

Range of product	Lexium CAS
Roduct or component type	Telescopic axis
Product specific application	For 1 direction
Load position	On carriage
Drive type	Toothed belt
Type of guide	Ball

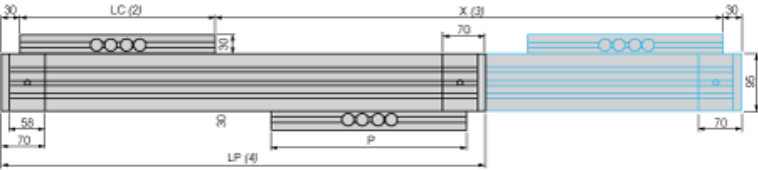
Complementary

Operating position	Horizontal
Function available	Different carriage lengths adapted to the load Motor and gearbox mounting options
Operating force	1500 N for Fx 2460 N for Fy 4650 N for Fz positive 2320 N for Fz negative
Maximum speed	9.84 ft/s (3 m/s)
Acceleration	65.62 ft/s² (20 m/s²)
Max. drive torque	318.63 lbf.in (36 N.m)
Max. torque	<619.55 lbf.in (70 N.m) for Mx <2487.06 lbf.in (281 N.m) for My carriage type 1) <3310.17 lbf.in (374 N.m) for My carriage type 2) <2637.52 lbf.in (298 N.m) for Mz carriage type 1) <3513.74 lbf.in (397 N.m) for Mz carriage type 2)
Min. ... Max. stroke	0.51...94.49 in (13...2400 mm)
Repeat accuracy	+/- 0.1 mm
Profile dimension	139 x 155 mm
Service life	30000 km

Contractual warranty

Warranty	18 months
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Size Characteristics

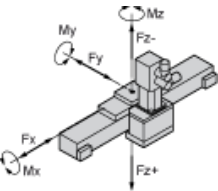


- (2) LC: length of carriage
- (3) X: stroke depending on application
- (4) LP: total length of axis

LP	mm	= 60 + LC + (X / 2)	= 60 + LC + (X / 2)
	in.	= 2.36 + LC + (X / 0.08)	= 2.36 + LC + (X / 0.08)

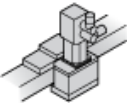
Carriage type 1		
LC	mm	320
	in.	12.60
P	mm	320
	in.	12.60
Carriage type 2		
LC	mm	400
	in.	15.75
P	mm	400
	in.	15.75

Forces and Torques Exerted on the Lexium CAS 2 Telescopic Axis



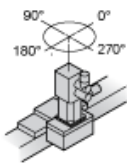
Type of Interface for the Drive Element

Drive Element Fixed on Right-Hand Side

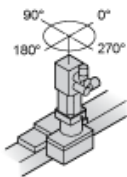


Possible Motor Drive Configurations and Orientations

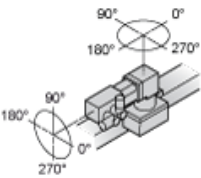
Motor only without Gearbox



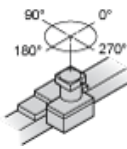
Motor with Planetary Gearbox



Motor with Angular Planetary Gearbox



Planetary Gearbox only



Angular Planetary Gearbox only

