

Main

Range of product	Lexium PAS
Product or component type	Portal axis
Product specific application	For 1 direction
Load position	On carriage
Drive type	Toothed belt
Guide type	Roller

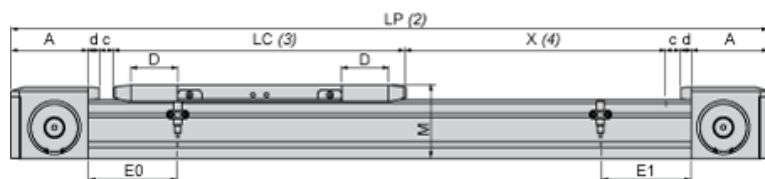
Complementary

Operating position	Horizontal
Function available	Different types of sensors for the limit switch function Different types of carriage adapted to the load 1 to 3 carriages Anti-corrosion version proof enhance Anti-static belt Protective metal strip Different types of motor mounting
Operating force	<= 300 N for Fx <= 660 N for Fy <= 430 N for Fz
Maximum actuation speed	26.25 ft/s (8 m/s)
Maximum acceleration	65.62 ft/s ² (20 m/s ²)
Drive torque	<= 4 N.m
Torque value	<= 5 N.m for Mx <= 11 N.m for My (carriage type 2) <= 28 N.m for My (carriage type 4) <= 17 N.m for Mz (carriage type 2) <= 43 N.m for Mz (carriage type 4)
Operating travel	4.92...118.11 in (125...3000 mm)
Repeat accuracy	+/- 0.05 mm
Outer dimension	40 x 40 mm
Mechanical service life	30000 km

Contractual warranty

Warranty period	18 months
-----------------	-----------

Size Characteristics



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

		Without protective metal strip	With protective metal strip
A	mm	53.5	53.5
in.	2.11	2.11	
c	mm	10	10
in.	0.39	0.39	
d	mm	–	9
in.	–	0.35	
D	mm	–	48.5
in.	–	1.91	
LP	mm	= 127 + LC + X	= 145 + LC + X
in.	= 5.00 + LC + X	= 5.71 + LC + X	
M	mm	55	55
in.	2.16	2.16	

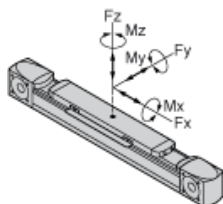
Carriage type 2

		Without protective metal strip	With protective metal strip
E0	mm	25	82
in.	0.98	3.23	
E1	mm	25	82
in.	0.98	3.23	
LC	mm	200	297
in.	7.87	11.69	

Carriage type 4

		Without protective metal strip	With protective metal strip
E0	mm	25	82
in.	0.98	3.23	
E1	mm	105	162
in.	4.13	6.38	
LC	mm	280	377
in.	11.02	14.84	

Forces and Torques Exerted on the Lexium PAS B Portal Axis



Types of Interface for the Drive Element

Drive Element Fixed on Right-Hand Side



Drive Element Fixed on Left-Hand Side

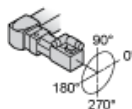


Without Connection / Without Adaptor Plate

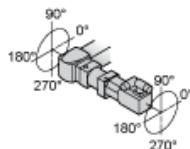


Possible Motor Drive Configurations and Orientations

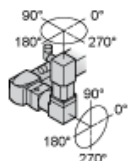
Motor Only Without Gearbox



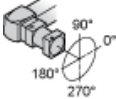
Motor With Planetary Gearbox



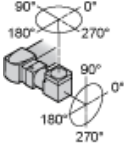
Motor With Angular Planetary Gearbox



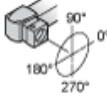
Planetary Gearbox Only



Angular Planetary Gearbox Only



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



Without Motor, Without Gearbox



Product Life Status : Commercialised