

Portal axis, Lexium PAS, model range 4, profile size 80 x 80 mm, toothed belt, roller guide

PAS43BR

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
Type Of Guide	Roller

Complementary

Operating Position	Horizontal
Function Available	Different type of guides
	Different types of sensors for the limit switch function
	Different carriage lengths adapted to the load
	Additional carriages option
	Increased corrosion resistance
	Anti-static toothed belt
	Protective cover strip for the axis inner parts
	Motor and gearbox mounting options
Operating Force	1100 N for Fx
	1760 N for Fy
	1040 N for Fz
Maximum Speed	26.25 ft/s (8 m/s)
Maximum Acceleration	65.62 ft/s² (20 m/s²)
Max. Drive Torque	318.63 lbf.in (36 N.m)
Max. Torque	<256.67 lbf.in (29 N.m) for Mx
	<451.39 lbf.in (51 N.m) for My carriage type 1)
	<770.01 lbf.in (87 N.m) for My carriage type 2)
	<1416.12 lbf.in (160 N.m) for My carriage type 4)
	<761.16 lbf.in (86 N.m) for Mz carriage type 1)
	<1309.91 lbf.in (148 N.m) for Mz carriage type 2)
	<2398.55 lbf.in (271 N.m) for Mz carriage type 4)
Min Max. Stroke	6.89216.54 in (1755500 mm)
Repeat Accuracy	+/- 0.05 mm
Profile Dimension	80 x 100 mm
Service Life	30000 km

Packing Units

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

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Contractual warranty

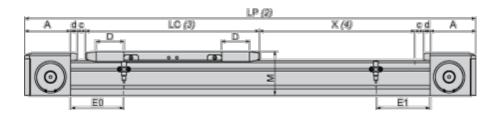
Warranty

18 months

PAS43BR

Dimensions Drawings

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	110	110
	in.	4.33	4.33
	mm	25	25
С	in.	0.98	0.98
d	mm	_	15
u	in.	_	0.59
D	mm	_	60
	in.	_	2.36
LP	mm	= 270 + LC + X	= 300 + LC + X
LP	in.	= 10.63 + LC + X	= 11.81 + LC + X
М	mm	100	100
IVI	in.	3.94	3.94

Carriage type 1			
		Without protective metal strip	With protective metal strip
	mm	62	138
E0	in.	2.44	5.43
	mm	62	138
E1	in.	2.44	5.43
	mm	244	364

Product data sheet

PAS43BR

	Carriage type 1			
Without protective metal strip		Without protective metal strip	With protective metal strip	
	l	in.	9.61	14.33

Carr	Carriage type 2			
		Without protective metal strip	With protective metal strip	
E0	mm	62	138	
EU	in.	2.44	5.43	
E1	mm	133	208	
	in.	5.24	8.19	
LC	mm	314	434	
LC	in.	12.36	17.09	

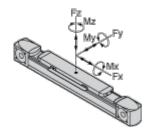
Carriage type 4			
		Without protective metal strip	With protective metal strip
E0	mm	62	138
EU	in.	2.44	5.43
E1	mm	273	348
EI	in.	10.75	13.70
LC	mm	454	574
LC	in.	17.87	22.60

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PAS43BR

Technical Description

Forces and Torques Exerted on the Lexium PAS B Portal Axis



PAS43BR

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

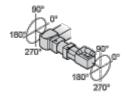


Possible Motor Drive Configurations and Orientations

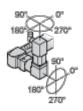
Motor Only Without Gearbox



Motor With Planetary Gearbox



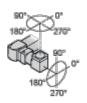
Motor With Angular Planetary Gearbox



Planetary Gearbox Only



Angular Planetary Gearbox Only



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



Without Motor, Without Gearbox

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PAS43BR

