

portal axis PAS E - profile size 110x110mm - toothed belt - ball stroke 1100mm

PAS44E1100

! Discontinued on: Dec 31, 2021

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

Main

Range Of Product	Lexium PAS E	
Product Or Component Type	Portal axis	
Product Specific Application	For 1 direction	
Load Position	On carriage	
Drive Type	Toothed belt	
Type Of Guide	Ball	

Complementary

Operating Position	on Horizontal	
Typlical Payload	50 kg	
Distance Per Revolution	264 mm	
Operating Force	2600 N for Fx 6270 N for Fy 6270 N for Fz	
Maximum Speed	2 m/s	
Maximum Acceleration	15 m/s²	
Max. Drive Torque 4 N.m		
Max. Torque	<5 N.m for Mx <11 N.m for My <17 N.m for Mz	
Stroke	1100 mm	
Product Weight	37 kg at 0 stroke with carriage and motor 4.2 kg of carriage 75.3 kg total	
Repeat Accuracy	+/- 0.05 mm	
Profile Dimension	110 x 110 mm	
Service Life	30000 km	
Associated Module	PLE120 planetary gearbox, reduction ratio: 5:1 (supplied) BMH1401P06A2A servo motor (supplied) LXM32.D72N4 servo drive (not supplied)	

Packing Units

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

Package 1 Height	30.5 cm	
Package 1 Width	48.8 cm	
Package 1 Length	190.2 cm	
Package 1 Weight	75.326 ka	

Contractual warranty

Warranty 18 months

Sustainability

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

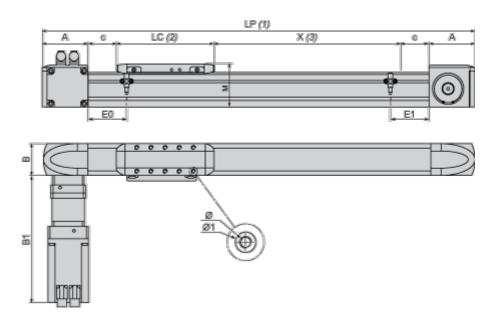
Guide to assess a product's sustainability >

Well-being performance

Reach Free Of Svhc	
Mercury Free	
Rohs Exemption Information	Yes
Pvc Free	
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Dimensions Drawings

Size Characteristics



(1) LP: total length of axis

(2) LC : length of carriage

(3) X: Stroke, refer to product characteristics.

A	mm	146
	in.	5.75
В	mm	110
	in.	4.33
B1	mm	360
	in.	14.17
С	mm	40
	in.	1.57
E0	mm	110
	in.	4.33
E1	mm	110
	in.	4.33
LC	mm	310
	in.	12.20

Product data sheet PAS44E1100

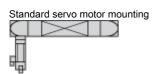
LP	mm	= 372 + LC + X
	in.	= 14.64 + LC + X
М	mm	135
	in.	5.31
Ø	mm	M8 X 18
	in.	M8 X 0.70
Ø1	mm	12 ^{H7} X 2.1
	in.	12 ^{H7} X 0.08

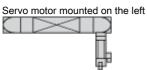
Product data sheet

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Mounting and Clearance

Servo Motor Mounting



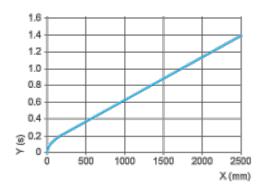


Product data sheet

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Performance Curves

Axis Positioning Time as a Function of the Stroke



X: Stroke

Y: Positioning time

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Technical Description

Forces and Torques Exerted on the Lexium PAS E Portal Axis

