Product data sheet
Characteristics

PAS42E0300
portal axis PAS E - profile size 60x60mm - toothed belt - ball - stroke 300mm

Commercial status
This Product is Obsolete : SEP 19, 2022

⚠ This Product is Obsolete

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
Guide type	Ball

Complementary

Operating position	Horizontal
Permanent permissible load	26.46 Lb(US) (12 kg)
Distance per revolution	6.10 In (155 mm)
Maximum operating force	800 N for Fx 2810 N for Fy 2810 N for Fz
Maximum actuation speed	6.56 Ft/S (2 m/s)
Maximum acceleration	49.21 Ft/S² (15 m/s²)
Maximum drive torque	35.40 Lbf.In (4 N.m)
Maximum torque value	<44.25 Lbf.In (5 N.m) for Mx <97.36 Lbf.In (11 N.m) for My <150.46 Lbf.In (17 N.m) for Mz
Operating travel	11.81 In (300 mm)
Product Weight	16.53 Lb(US) (7.5 kg) at 0 stroke with carriage and motor 2.20 Lb(US) (1 kg) of carriage 23.59 Lb(US) (10.7 kg) total
Repeat accuracy	+/- 0.05 mm
Outer dimension	60 x 60 mm
Mechanical service life	30000 km
Associated module	PLE60 planetary gearbox 5:1 supplied) BMH0702P06A2A servo motor supplied) LXM32.D12N4 servo drive not supplied)

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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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Ordering and shipping details

GTIN	3606485236605

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.50 In (16.5 cm)
Package 1 Width	19.21 In (48.8 cm)
Package 1 Length	32.13 In (81.6 cm)
Package 1 Weight	23.66 Lb(US) (10.73 kg)

Offer Sustainability

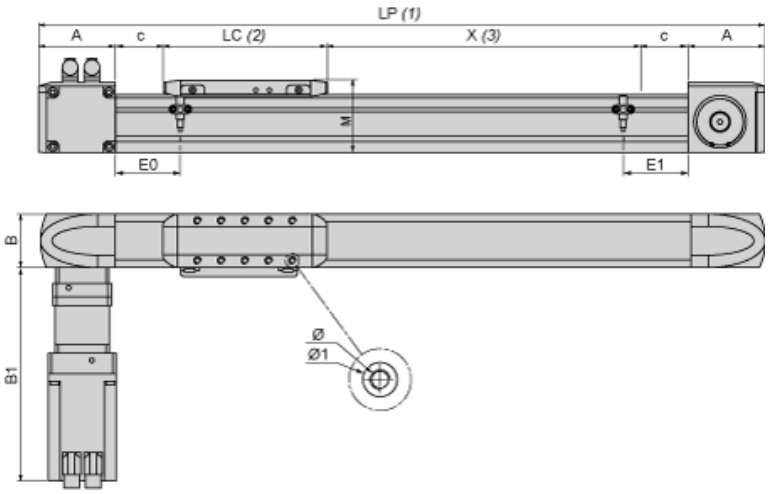
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
PVC free	Yes

Contractual warranty

Warranty	18 months

PAS42E0300

Size Characteristics

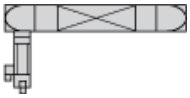


(1) LP : total length of axis
(2) LC : length of carriage
(3) X : Stroke, refer to product characteristics.

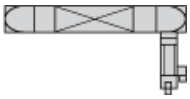
A	mm	80
in.	3.15	
B	mm	60
in.	2.36	
B1	mm	278
in.	10.94	
c	mm	15
in.	0.59	
E0	mm	33
in.	1.30	
E1	mm	33
in.	1.30	
LC	mm	206
in.	8.11	
LP	mm	= 190 + LC + X
in.	= 7.48 + LC + X	
M	mm	75
in.	2.95	
∅	mm	M5 X 12
in.	M5 X 0.47	
∅1	mm	8^{H7} X 2.1
in.	8^{H7} X 0.08	

Servo Motor Mounting

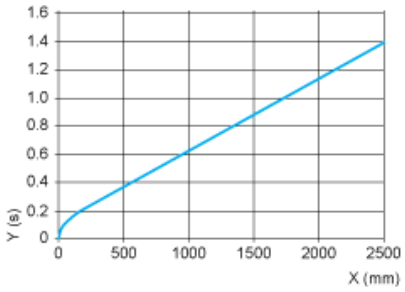
Standard servo motor mounting



Servo motor mounted on the left

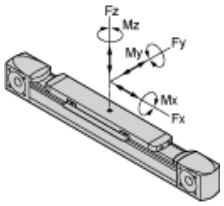


Axis Positioning Time as a Function of the Stroke



X : Stroke
Y : Positioning time

Forces and Torques Exerted on the Lexium PAS E Portal Axis



Product Life Status :	End of commerc. - Block

PAS42E0300 is replaced by the following product range:

2919

Portal axes with movable carriage and fixed axis.

Substitution date: |