



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

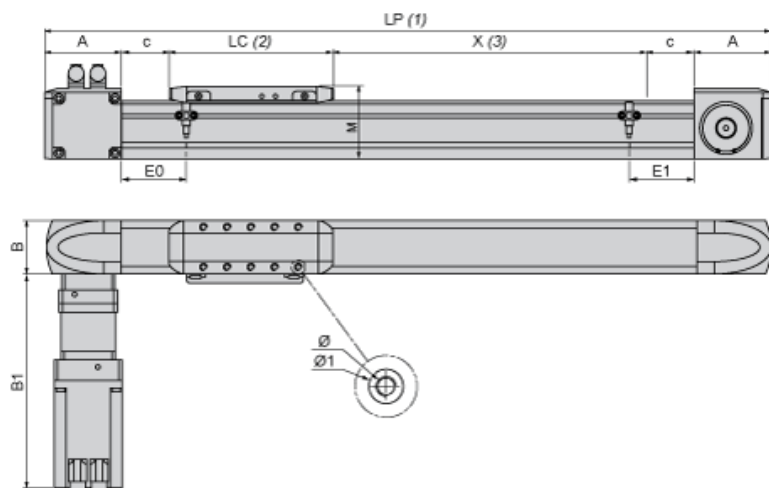
| | |
|----------------------------|--|
| Operating position | Horizontal |
| Permanent permissible load | 25 kg |
| Distance per revolution | 205 mm |
| Operating force | <= 4410 N for Z axis <= 4410 N for Y axis <= 1100 N for X axis |
| Maximum actuation speed | 2 m/s |
| Maximum acceleration | 15 m/s ² |
| Torque value | <= 162 N.m for Z axis <= 162 N.m for Y axis <= 42 N.m for X axis <= 36 N.m driving torque |
| Operating travel | 2000 mm |
| Product weight | 51.4 kg total 2.1 kg of carriage 18 kg at 0 stroke with carriage and motor |
| Repeat accuracy | +/- 0.05 mm |
| Outer dimension | 80 x 80 mm |
| Mechanical service life | 30000 km |
| Associated module | LXM32.D18N4 servo drive (not supplied) PLE80 planetary gearbox, reduction ratio: 5:1 (supplied) BMH1002P06A2A servo motor (supplied) |

Offer Sustainability

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|----------------------------------|---|
| Sustainable offer status | Not Green Premium product |
| RoHS | Compliant - since 1237 - Schneider Electric declaration of conformity |
| Product environmental profile | Available Download Product Environmental |
| Product end of life instructions | Need no specific recycling operations |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Size Characteristics



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

| | | |
|-----|-------------------------|------------------------|
| A | mm | 110 |
| in. | 4.33 | |
| B | mm | 80 |
| in. | 3.15 | |
| B1 | mm | 322 |
| in. | 12.68 | |
| c | mm | 25 |
| in. | 0.98 | |
| E0 | mm | 62 |
| in. | 2.44 | |
| E1 | mm | 62 |
| in. | 2.44 | |
| LC | mm | 244 |
| in. | 9.61 | |
| LP | mm | = 270 + LC + X |
| in. | = 10.63 + LC + X | |
| M | mm | 100 |
| in. | 3.94 | |
| Ø | mm | M6 X 14 |
| in. | M6 X 0.55 | |
| Ø1 | mm | 10 ^{H7} X 2.1 |
| in. | 10 ^{H7} X 0.08 | |

Servo Motor Mounting

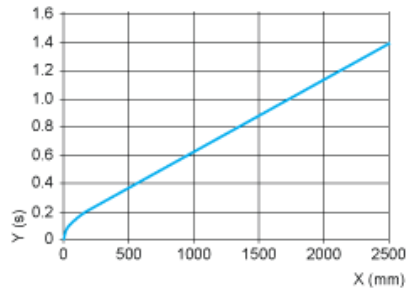
Standard servo motor mounting



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

