



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 |

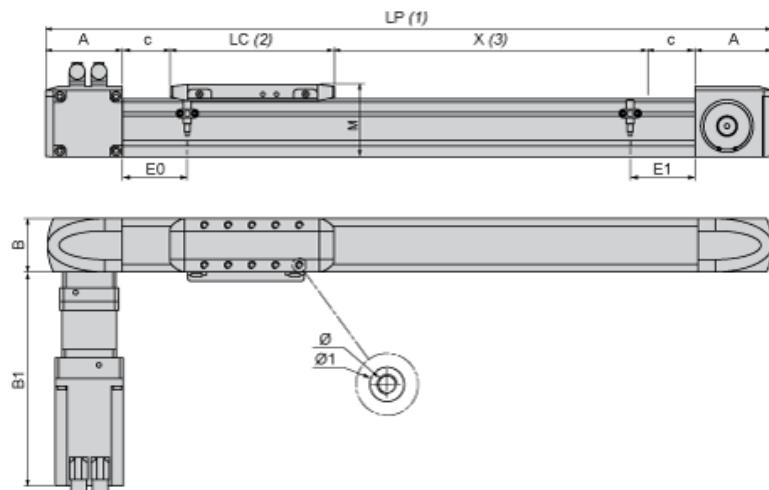
Complementary

| | |
|----------------------------|--|
| Operating position | Horizontal |
| Permanent permissible load | 12 kg |
| Distance per revolution | 155 mm |
| Operating force | <= 2810 N for Z axis <= 2810 N for Y axis <= 800 N for X axis |
| Maximum actuation speed | 2 m/s |
| Maximum acceleration | 15 m/s ² |
| Torque value | <= 74 N.m for Z axis <= 74 N.m for Y axis <= 19 N.m for X axis <= 20 N.m driving torque |
| Operating travel | 1800 mm |
| Product weight | 29.3 kg total 1 kg of carriage 7.5 kg at 0 stroke with carriage and motor |
| Repeat accuracy | +/- 0.05 mm |
| Outer dimension | 60 x 60 mm |
| Mechanical service life | 30000 km |
| Associated module | LXM32.D12N4 servo drive (not supplied) PLE60 planetary gearbox, reduction ratio: 5:1 (supplied) BMH0702P06A2A servo motor (supplied) |

Offer Sustainability

| | |
|----------------------------------|--|
| Sustainable offer status | Not Green Premium product |
| Product environmental profile | Available Download Product Environmental |
| Product end of life instructions | Need no specific recycling operations |

Size Characteristics



(1) LP : total length of axis

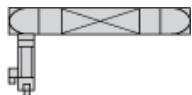
(2) LC : length of carriage

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

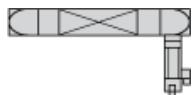
| | | |
|-----|------------------------|-----------------------|
| A | mm | 80 |
| in. | 3.15 | |
| B | mm | 60 |
| in. | 2.36 | |
| B1 | mm | 278 |
| in. | 10.94 | |
| c | mm | 15 |
| in. | 0.59 | |
| E0 | mm | 33 |
| in. | 1.30 | |
| E1 | mm | 33 |
| in. | 1.30 | |
| LC | mm | 206 |
| in. | 8.11 | |
| LP | mm | = 190 + LC + X |
| in. | = 7.48 + LC + X | |
| M | mm | 75 |
| in. | 2.95 | |
| Ø | mm | M5 X 12 |
| in. | M5 X 0.47 | |
| Ø1 | mm | 8 ^{H7} X 2.1 |
| in. | 8 ^{H7} X 0.08 | |

Servo Motor Mounting

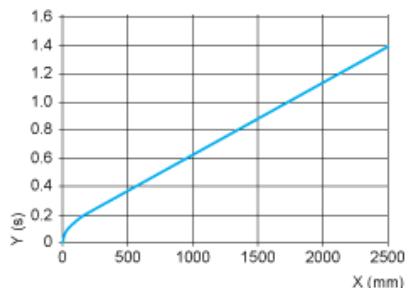
Standard servo motor mounting



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

