



## 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            |

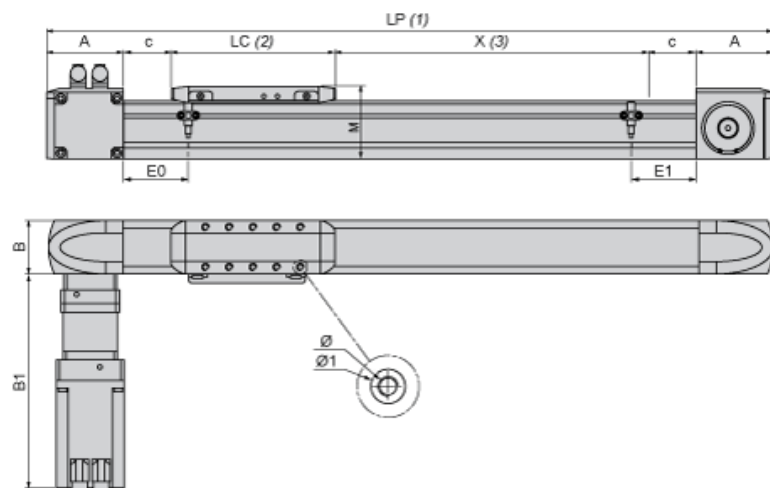
## Complementary

|                            |                                                                                                                                            |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Operating position         | Horizontal                                                                                                                                 |
| Permanent permissible load | 25 kg                                                                                                                                      |
| Distance per revolution    | 205 mm                                                                                                                                     |
| Operating force            | <= 4410 N for Z axis<br><= 4410 N for Y axis<br><= 1100 N for X axis                                                                       |
| Maximum actuation speed    | 2 m/s                                                                                                                                      |
| Maximum acceleration       | 15 m/s <sup>2</sup>                                                                                                                        |
| Torque value               | <= 162 N.m for Z axis<br><= 162 N.m for Y axis<br><= 42 N.m for X axis<br><= 36 N.m driving torque                                         |
| Operating travel           | 2100 mm                                                                                                                                    |
| Product weight             | 52.6 kg total<br>2.1 kg of carriage<br>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)<br>PLE80 planetary gearbox, reduction ratio: 5:1 (supplied)<br>BMH1002P06A2A servo motor (supplied) |

## Offer Sustainability

|                                  |                                                                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status         | Not Green Premium product                                                                                                                    |
| Product environmental profile    | Available  <a href="#">Download Product Environmental</a> |
| 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.

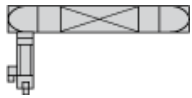
|     |                         |                        |
|-----|-------------------------|------------------------|
| A   | mm                      | 110                    |
| in. | 4.33                    |                        |
| B   | mm                      | 80                     |
| in. | 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 <sup>H7</sup> X 2.1 |
| in. | 10 <sup>H7</sup> X 0.08 |                        |

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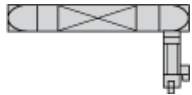
### Servo Motor Mounting

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Standard servo motor mounting



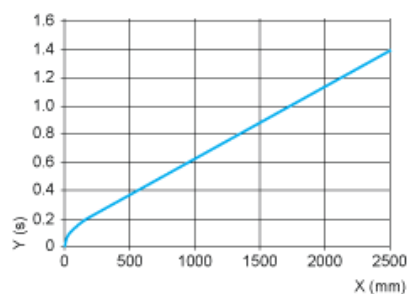
Servo motor mounted on the left



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Axis Positioning Time as a Function of the Stroke

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X : Stroke

Y : Positioning time

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Forces and Torques Exerted on the Lexium PAS E Portal Axis

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