



## 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            |

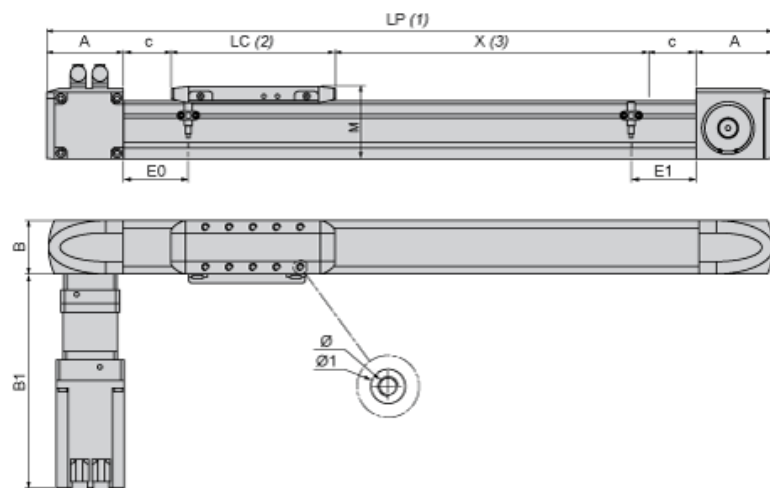
## Complementary

|                            |                                                                                                                                            |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Operating position         | Horizontal                                                                                                                                 |
| Permanent permissible load | 12 kg                                                                                                                                      |
| Distance per revolution    | 155 mm                                                                                                                                     |
| Operating force            | $\leq 2810$ N for Z axis<br>$\leq 2810$ N for Y axis<br>$\leq 800$ N for X axis                                                            |
| Maximum actuation speed    | 2 m/s                                                                                                                                      |
| Maximum acceleration       | 15 m/s <sup>2</sup>                                                                                                                        |
| Torque value               | $\leq 74$ N.m for Z axis<br>$\leq 74$ N.m for Y axis<br>$\leq 19$ N.m for X axis<br>$\leq 20$ N.m driving torque                           |
| Operating travel           | 1500 mm                                                                                                                                    |
| Product weight             | 27.1 kg total<br>1 kg of carriage<br>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)<br>PLE60 planetary gearbox, reduction ratio: 5:1 (supplied)<br>BMH0702P06A2A 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.

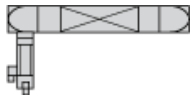
|     |                        |                       |
|-----|------------------------|-----------------------|
| A   | mm                     | 80                    |
| in. | 3.15                   |                       |
| B   | mm                     | 60                    |
| in. | 2.36                   |                       |
| 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 <sup>H7</sup> X 2.1 |
| in. | 8 <sup>H7</sup> X 0.08 |                       |

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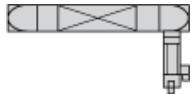
### Servo Motor Mounting

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Standard servo motor mounting



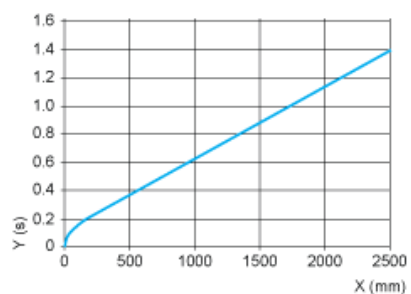
Servo motor mounted on the left



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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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