

Linear units with spindle drive

LES 6



LES 6 with side belt drive module

Features

- Aluminium shaft housing profile W150 × H75 mm, naturally anodised
- Clamping area and profile underside milled flat
- with 4 precision steel shafts Ø 12 h6, material Cf53, Hardness 60 ± 2 HRC
- Aluminium shaft slots WS 5/70, 2 x WS 5/70 (70 mm long), adjustable for no play, central lubrication system
- Recirculating ball transmission with 2.5/4/5/10 and 20 mm pitches
- Profile sealing with friction-resistant lip seals
- Cast aluminium end plates
- with 2 limit or reference switches, Repeatability ± 0.02 mm
- sealed angular contact bearings in drive - steel flange

Ordering key

234 **XXX** **0XXX**

Drive

- 6** = Preparation Direct drive modules
- 7** = Preparation Belt drive module

Shaft slots

- 0** = 2 shaft slots 70 mm
- 2** = 4 shaft slots 70 mm

Profil length (L1)

e.g. **029** = 290 mm (min.)
299 = 2990 mm (max.)
(rounded to the last digit)

Standard profile length in 100 mm raster – to order

Recirculating ball drive

- 0** = none
- 1** = Pitch 2.5 mm
- 2** = Pitch 4.0 mm
- 3** = Pitch 5.0 mm
- 4** = Pitch 10 mm
- 5** = Pitch 20 mm

Options:

- Black powder-coated aluminium profile
- Electromagnetic brake
- Steel slots LS2 (Part no. 223007)
- Limit switch attachment kit (see accessories)

Drive modules

see page 72 et seq. of the catalogue



Technical specification Aluminium profile

Aluminium profile LES 6	
Moment of inertia I _x	707.100 cm ⁴
Moment of inertia I _y	212.200 cm ⁴
*Centre of gravity <small>see dimensioned drawing</small>	32.78 mm
Cross-sectional area	30.07 cm ²
Material	AlMgSiO, 5F22
Anodising	E6/EV1
Weight with steel shafts	11.4 kg/m
Weight with steel shafts and spindles	12.8 kg/m

No load running torques

No load running torques (Ncm)					
Speed (rpm)	Spindle pitch				
	2.5	4	5	10	20
500	17	17	18	20	21
1500	20	20	22	24	25
3000	24	25	26	29	30

