

Compact, precise and lubrication-free


## Lubrication-free miniature linear modules – drylin® SLN


drylin® SLN linear axes is a compact solution. The axis measures 28 x 22mm and can be configured with stroke lengths of up to 250mm. Thanks to the lubrication-free plastic sliders, it is quiet and very light. The axis is based on the tried-and-tested drylin® N system, size 27. It is available both mounted on plain bearings or on ball bearings in the shaft end supports. The drylin® SLN linear axis can be adjusted manually using the hand wheel or combined with the drylin® stepper and DC motors.


- Ultra-compact design
- 3 carriage types (basic/adjustable/pre-load)
- Lubrication-free drylin® low-profile linear guide
- Modular design


### Typical application areas

- Sensors
- Inspection technology
- Laboratory technology
- Medical technology

 **Available in 3–8 days**  
Detailed information about delivery time online.

 **Price breaks online**  
No minimum order value. No minimum order quantity.

 **Carriage length: 35mm**  
**Stroke lengths: up to 250mm**

 **Product finder**  
▶ [www.igus-asean.com/sln-productfinder](http://www.igus-asean.com/sln-productfinder)

Shaft end supports made from corrosion-resistant, robust plastic

Lead screw mounted with plain or ball bearings

Cost-effective, robust plastic carriages (basic series 03)

Carriage with manual height clearance adjustment (standard series 04)

Metal thread inserts

Minimal backlash with pre-load (pre-load series 05)

Rail made from anodised aluminium

Lead screws made from stainless steel with pitch M5 (5x0.8mm) or high helix thread (5x5, 6x12.7)

Hand wheel available  
▶ [Page 1511](#)

Configurable with motor as a ready-to-install linear drive



Miniature linear module, pre-load version

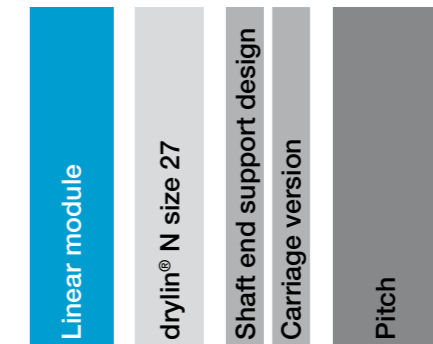


- Based on maintenance-free drylin® N low-profile linear guides size 27
- BB version (ball bearing) for low backlash run
- Manual and motorised operation possible
- Linear carriage with individual height clearance adjustment and pre-load (optional)
- Available accessories  
▶ [Page 1503](#)
- Also see econ chapter  
▶ [Page 1460](#)
- Available with motor

 **Order key**

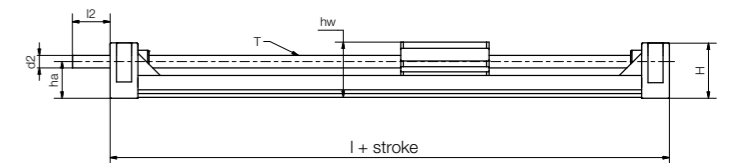
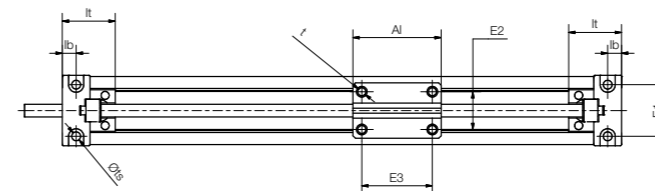
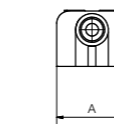
Order example

**SLN- 27 - 1 4 - 0008**



Options:

Shaft end support design	Pitch
0 = Plain bearing	0008 = M5x0.8
1 = Ball bearing	0050 = Sg5x5
Carriage version	0008 = Ds6.35x2.54
4 = Standard, adjustable	0127 = Sg6.35x12.7
5 = Standard, pre-load	0254 = Ds6.35x25.4



### Technical data

Part No.	Max. stroke length <sup>101)</sup> [mm]	Weight [kg]	Additional [kg] (per 100mm)	Max. static load capacity		Max. speed [rpm]	Max. drive torque [Nm]
				Axial [N]	radial [N]		
SLN-27-04	250	0.06	0.04	10	40	100	0.1
SLN-27-05	250	0.06	0.04	10	40	100	0.1
SLN-27-14	250	0.06	0.04	10	40	300	0.1
SLN-27-15	250	0.06	0.04	10	40	300	0.1

### Dimensions [mm]

Part No.	A	A1	H	E1	E2	E3	E11 <sup>102)</sup>	I	hw	It	Ib	ts	d2 <sup>98)</sup>	I2	ha
	±0.2	-0.1	±0.2	±0.15	±0.15	±0.15			±0.2	±0.2			∅		
SLN-27-04	28	35	22	20.5	15	28	15	77	22.5	21	5	3.5	5 (4 h7)	15	14.5
SLN-27-05	28	35	22	20.5	15	28	15	77	22.5	21	5	3.5	5 (4 h7)	15	14.5
SLN-27-14	28	35	22	20.5	15	28	15	77	22.5	21	5	3.5	∅ 4h9 <sup>98)</sup>	15	14.5
SLN-27-15	28	35	22	20.5	15	28	15	77	22.5	21	5	3.5	∅ 4h9 <sup>98)</sup>	15	14.5

<sup>101)</sup> Fixed stroke lengths for SLN option with ball bearings: 100/150/200/250mm

<sup>102)</sup> The dimension E11 can only be found in conjunction with the igus® motor connection

<sup>98)</sup> Thread/ remaining thread visible

