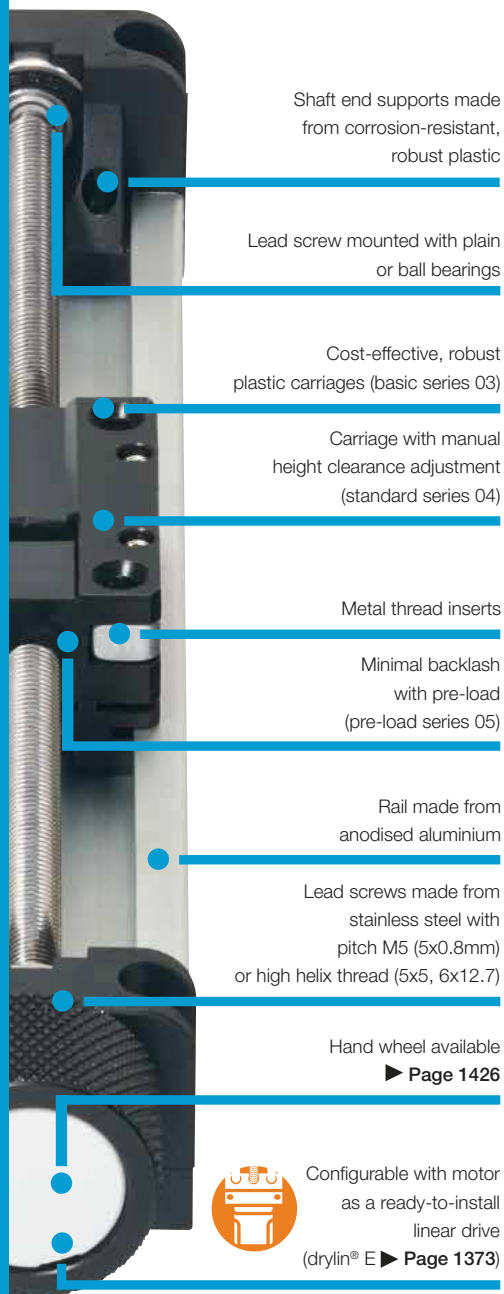


Compact, precise and lubrication-free



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 1426

Configurable with motor as a ready-to-install linear drive (drylin® E ▶ Page 1373)

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® E 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



Quick delivery

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.co.uk/sln-productfinder

Miniature linear module, pre-load version



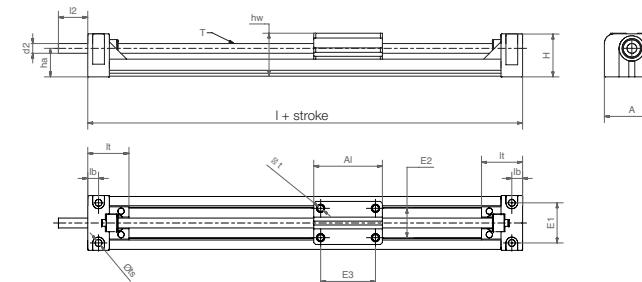
Order key

SLN-27-14-0008



Pitch:
0008: M5x0.8
0050: Sg5x5
0025: Ds6.35x2.54
0127: Sg6.35x12.7
0254: Ds6.35x25.4
 Carriage version
4: Standard, adjustable
5: Standard, pre-load
 Shaft end support design
0: Plain bearing
1: Ball bearing
 drylin® N size 27
 Linear module

- 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 1419
- Available with motor
▶ Page 1373
- Also see econ chapter
▶ Page 1370



Technical data

Part No.	Max. stroke length ¹⁰¹⁾ [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 ±0.2	Al -0.1	H ±0.2	E1 ±0.15	E2 ±0.15	E3 ±0.15	E11 ¹⁰²⁾	l	hw ±0.2	lt ±0.2	lb	ts	d2 ⁹⁸⁾ Ø	l2	ha
SLN-27-04	28	35	21.5	15	15	28	15	77	22	20.2	5	3.5	5	15	14
SLN-27-05	28	35	21.5	15	15	28	15	77	22	20.2	5	3.5	5	15	14
SLN-27-14	28	35	21.5	15	15	28	15	77	22	20.2	5	3.5	Ø4h9 ⁹⁸⁾	15	14
SLN-27-15	28	35	21.5	15	15	28	15	77	22	20.2	5	3.5	Ø4h9 ⁹⁸⁾	15	14

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

¹⁰²⁾ The dimension E11 can only be found in conjunction with the igus® motor connection ⁹⁸⁾ Thread/ remaining thread visible