

LDx

Linear Modules

Linear Modules LDx:

The next generation of high-speed modules

For high-precision, high-speed applications

The new LDx series from SCHUNK sets a new benchmark: Compared with the previous modules, powerful servo motors achieve a 15% higher rated force in a module of the same size. In the future it will therefore be possible to use smaller modules to achieve the same performance. Alternatively, higher masses can be moved in vertical applications.

Compact and cost-effective

The basic modules are the three universal linear modules LDN, LDM and LDT, the short-stroke modules LDK and LDH and the flat linear module LDF. The absolute encoder eliminates the need for time-consuming programming of reference runs, as well as the reference runs themselves.



Large portfolio!

Unique diversity of modules and variants for every application.

Immediately available



Sizes
50 .. 600



Maximum stroke
3800 mm



Driving force
750 N



Repeat accuracy
0.01 mm



Maximum speed
4 m/s

Product features

- Optionally with absolute encoders for a repeat accuracy of 0.01 mm per axis
- 15% higher rated force
- Can be used horizontally and vertically
- Choice of static profile and moving slide or static slide and moving profile

Your advantage

- Shortest cycle times due to high dynamics
- Long life, since there are hardly any wear parts
- Reduced costs due to elimination of limit and reference sensors
- Absolute encoder reduces commissioning time and increases process reliability

Function cross section

- 1 Aluminum profile
- 2 Steel guide rail
- 3 Secondary part
- 4 Primary part
- 5 End plates
- 6 Motor connector

