

5.1 Product Characteristics ALS 140

The linear module ALS 140 is a precise, ready to install module with high performance characteristics with respect to the stability and to the exceptionally compact construction.

The fulfilment of these exceedingly important characteristics is assured by the rigid aluminum profile in conjunction with hardened steel shafts and precision linear ball bearings.

This linear module can be driven with a synchronous belt, ball screw or a pneumatic cylinder.

The ball screw drive with a low backlash nut makes high positioning accuracy and repeatability possible.

For extremely fast handling and positioning tasks, the synchronous belt or pneumatic drive is recommended.

The standard U-shaped sheet metal covering protects the built-in elements and enables full use of the maximum stroke compared to units with conventional bellows coverings.

The prepared lubrication equipment makes cost-effective maintenance possible and also assures a long service lifetime.

The basic element as standard version is supplied with a table plate. Accessories, such as limit and reference switches, motors and control systems have to be ordered separately.

Figure 1:
Sectional view
Linear module ALS 140-B

Possible attachment of commercially available motors (2-, 3-, or 5-phase stepping motors or DC/AC-servomotors)



