

## 4.2 Product Characteristics ALM 80

The high-performance module for universal utilization.

The optimized, torsionally rigid aluminum profile makes space- and cost-saving individual axes possible even in the case of high tilting torques. The built-in SCHNEEBERGER profile rail guideways type MONORAIL BM 20 ensure a high guiding accuracy.

Special adapter plates also permit the combination with other sizes and types.

The belt drive enables highly dynamic travelling tasks with a maximum speed of  $v_{max} = 3.5 \text{ m/s}$ !

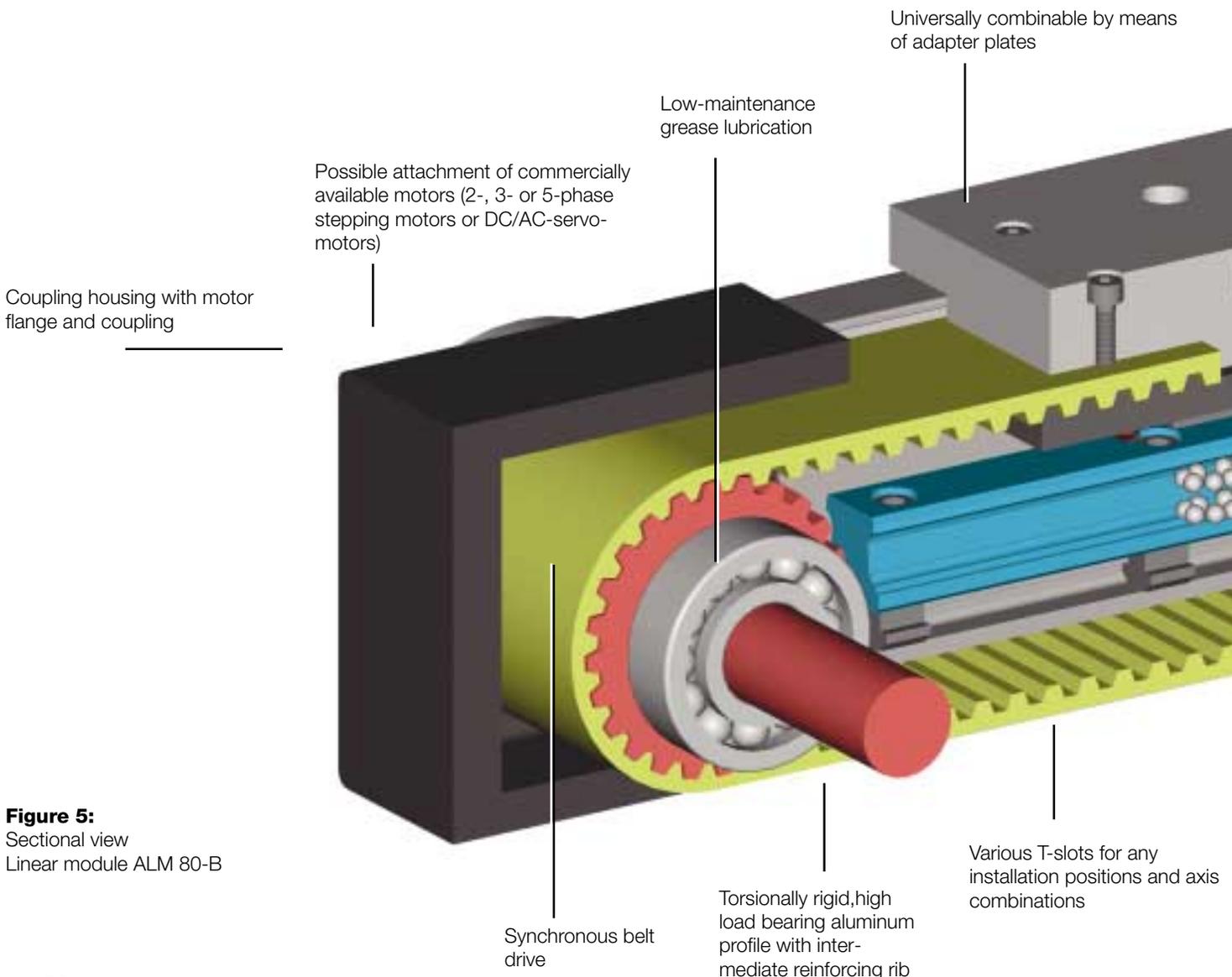
The highly rigid aluminum profile with recessed slots makes possible a simple fixing of the module by means of sliding blocks in any position.

The internal space is protected against contamination with dirt by the belt. Thus even under dusty operating conditions, a long service lifetime is achieved.

For a low-maintenance operation, the profile rail guideway is factory equipped with

grease lubrication. Re-greasing takes place through the central grease nipple.

The basic element is supplied as standard version with table plate. Base and adapter plates as well as other accessories, such as sliding blocks, limit and reference switches, motors and control systems have to be ordered separately.



**Figure 5:**  
Sectional view  
Linear module ALM 80-B

