

Overview – the quickest route to the ideal linear slide

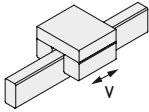
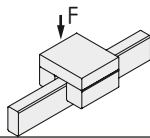
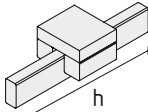
Five different linear slides are available to enable rapid and precise slide movements. Their modular design means they can be configured to create customised solutions in terms of stroke length, speed, drive and construction.

Three guide alternatives are available for **various applications** and loads:

- Innovative Shaft-Clamp Profiles from item can be used to fasten hardened steel shafts directly to the profile groove, which results in high rigidity and load-carrying capacity, even over long stretches.
- Ball Bushes can be used to create particularly light lifting guides on cantilevered shafts.
- When there are particularly tough requirements for load-carrying capacity and rigidity, steel profile rails can be used that are anchored in one profile groove or, for additional hold, between two profile grooves. A stable linear guide system ensures smooth running even when carrying heavy loads.

Shafts anchored in the profile can be used with **three different bearing systems**:

- Roller guides are extremely easy to install, move easily and offer a broad range of construction sizes for a variety of purposes.
- Linear Guide Units deliver exceptional rigidity and load-carrying capacity in compact dimensions.
- The ideal linear slide for automated lifting and sliding doors are C-Rails, which ensure precise motion with low tolerances.

Linear slides – a comparison	Speed	Load-carrying capacity	Stroke length (max.)
			
Roller guide – variable and modular <ul style="list-style-type: none"> ▪ Biggest selection of Bearing Units ▪ Can be adapted to a whole range of tasks using customised slides 	10 m/s	400 - 7,600 N	Unlimited (shafts can be butt-joined)
Linear Guide Unit – for maximum load-carrying capacity <ul style="list-style-type: none"> ▪ More rigid and more compact than a roller guide ▪ Easy to construct thanks to completed slide 	3 m/s	2,300 N	6,000 mm
C-Rail System – for suspended loads <ul style="list-style-type: none"> ▪ Ideal for lifting and sliding doors ▪ Easy-running Bearing Units in a range of load-carrying classes. 	10 m/s	50 - 750 N	Unlimited (shafts can be butt-joined)
Linear guide system – for high loads <ul style="list-style-type: none"> ▪ High load-carrying capacity for heavy loads ▪ Torsion resistant thanks to rails on the profile groove 	5 m/s	1,000 - 2,500 N	3,800 mm
Ball-bearing guide bush – simple and complete <ul style="list-style-type: none"> ▪ Low friction and maintenance requirements ▪ Ideal for lifting guides 	2 m/s	500 - 1,500 N	2,000 mm