All linear slides consist of an outer rail with a runner moving inside. Rolling bearing balls lie between the rail and the runner and are kept at a distance and in position by means of a ball cage.

Rail and runner are made of heat-treated steel, enabling use in industrial environments with higher requirements on load rating, smooth running and service life.

All designs are available in the nominal rail dimensions h_1 = 28, 35 and 43 mm and may also be supplied beyond the standard range in lengths from 130 mm to 1970 mm, appropriate for individual requirements.

Linear slides are normally adjusted in such a way that a clearance-free (i.e. slightly pre-loaded) match-up is created between rail and runner. The raceways of the rails and runners are induction hardened, which combined with rolling bearing balls results in lower wear and longer service life. Linear slides are permanently lubricated with a high-quality special grease designed for linear guide rail systems.

Depending on the requirements, a variety of different types is available. Sliding distances of the runners can be inside, partly outside or entirely outside the length of the rails. Fully extendable telescopic linear slides consist of linear slides directly interconnected at the rails, the runners or with the help of an additional plate (intermediate profile).

To mount linear slides, countersunk holes in the rails and, depending on the type, threaded or countersunk holes in the runners are available. The compact design is generally advantageous for use in confined spaces.