



The LEITNER Grip

Highly functional, technically perfect

Simplicity and clarity are leading design principles when developing safety-critical parts. Following these principles, LEITNER grips have been developed using a minimum of components.

Each detachable grip has just one moving part, namely the moving grip jaw, which also functions as the coupling lever. The grip therefore opens and closes directly, without cams, joints, or lever systems, which is the best approach from a safety viewpoint.

The gripping force is produced by parallel coil springs. In its resting position, the grip remains closed, thus eliminating the possibility of a dead-point position. The grip geometry is designed to maintain a constant grip force, even if the rope diameter varies (e.g. at a splice).

Because of their strictly modular design, the grips can be adapted very effectively to different requirements specific to different ropeways, while retaining the same geometry. Every detachable LEITNER grip has an integrated longitudinal damping system to make the ride more comfortable. This quickly attenuates oscillating movements when crossing towers.

Parallel coil springs are arranged redundantly for maximum safety. Even if a spring fails, the grip is reliably prevented from slipping.

Exposed coil springs and minimal moving parts make the grip easy and efficient to inspect visually, so they are even safer. This simple construction principle, and the use of low-maintenance bearings, makes them very easy and cost-efficient to service.

Optimum ride comfort during the crossing of compression towers is ensured by an optimized, low upper surface of the grip and an extended grip tongue.

TECHNICAL DATA

rope diameter

MONO-CABLE SYSTEM WITH LPA GRIP:

30 – 64 mm

TWO-CABLE SYSTEM WITH LP-BD GRIP:

Carrying rope: max. 70 mm

Hauling rope: 40 – 56 mm

THREE-CABLE SYSTEM WITH LP-TD GRIP:

Carrying rope: max. 70 mm

Hauling rope: 40 – 60 mm

Maximum rope inclination

100% for all ropeway systems