

LEITNER Roller Batteries

Pioneering designs for many years

Safety is not a matter of compromise. LEITNER's roller batteries have for many years had design features that were only definitively required by changes to European ropeway legislation in 2004.

The outer flange and main body of each roller are made of a single piece of cast aluminum, which virtually eliminates the possibility of the roller flange failing completely. The roller insert consists of a one-piece rubber ring whose compound is subject to minimal flexing, thus minimizing friction losses. Roller flange projection and groove depth are designed to match LEITNER grips, which guarantees maximum derailment protection. The rope catchers on the outside of the battery are designed to handle passage over a derailed grip, while the rope guides on the inside of the battery prevent the rope from moving towards the inside of the line. Since 1993, LEITNER roller batteries have been equipped with rotation limiting devices, which ensure that grips can be passed even if a roller is lost or a rope derails. The last rope rocker on each grip is designed in such a way that, in conjunction with the breaking rods, rope derailment is reliably detected, even if the rope catcher has been missed.

BENEFITS High roller flange projection and maximum possible groove depth provide the utmost protection against derailment. Roller batteries can be adjusted biaxially, which is ideal for setting up the roller battery along the rope axis. LEITNER roller batteries operate with high roller pressures, which allows a reduction in the number of rollers and therefore less maintenance and less outlay for spare parts. The rubber compound used in LEITNER rope rollers is subject to minimal flex, which significantly reduces the power required of the ropeway's drive system.

TECHNICAL SPECIFICATIONS

- + Number of rollers: Compression roller battery with 8, 10, 12 and 16 rollers Supporting roller battery with 4, 6, 8, 10 and 12 rollers Mixed roller battery with +/- 4 rollers und +/- 8 rollers
- + max. roller pressures: Compression roller battery 6 kN Supporting roller battery 10 kN
- + Monitoring device: Fracture rods for rope derailment and rip wire for rope cuts Optional: CPS Cable Position Supervision
- + Compression rollers: D420
- + Support rollers: D420, D460 and D550
- + Load change: D550/420 and D460/420 or D420/420

