The newly designed conventional brake caliper unit combines the benefits of the SafePark® parking brake cylinder with lightweight design. The result is a brake caliper unit with improved functionality and significantly reduced weight and installation space, but with identical interfaces to the bogie and service-proven robust design principles (e.g. suspension, bushing design, etc.).

**MAIN FEATURES**
- Light caliper design
- SafePark® cylinder
- Two-piece pull rod
- Robust locking mechanism

**ADVANTAGES**
- Less installation space in the bogie
- No superposition of service and parking brake
- SafePark® suitable for all brake caliper units
- Reduction of weight, especially together with new light weight caliper design:
  - Service brake from 73 kg to 53 kg
  - Parking brake from 95 kg to 60 kg
LIFE-CYCLE ASSESSMENT – FOCUS PRODUCT CARBON FOOTPRINT

Light Weight Caliper saves 24% CO₂ emissions during its lifetime compared to the standard conventional caliper

Use phase only contains raw material consumption within overhaul period

Weight reduction of 33% provides further energy and CO₂-savings in the use phase of a train, i.e. 10 MWh per brake caliper during the lifetime of a typical metro application