

ENGINEERED FASTENERS SOLUTION

Challenge

Well-known manufacturer of hydraulic controlled service and passenger elevators experiencing problems with fasteners on a new back-up mechanical brake system. The two section 3600, mechanical brake clamps on the cylinder lift arm and activates should there be a loss in hydraulic pressure.



Solution

Unbrako engineers developed a special 1-1/4" diameter forged and machined shoulder bolt from high grade alloy steel to secure the two sections of the brake.

Benefit

This patented brake system, incorporating the new design shoulder bolt from Unbrako, performs to the stated criteria for endurance, safety and liability coverage. In addition to their own original equipment applications, the brake system is being offered for installation on all hydraulic elevators currently in service.

Unbrako Engineered Fasteners specializes in developing custom fastening systems for one-of-a-kind, high volume applications. Services include engineering, manufacturing, accredited quality control and post-delivery liability insurance supporting protection of the manufacturer.

