

Field : **TRANSPORT BY RAIL**

## Cable comfort for a trip without vibrations

SOCITEC's experience is recognised in the field of high technology as well as industry. The main railway companies now order large quantities of shock mounts to protect their equipment ( antenna stands, camera stands, electronic boxes, transformers ). They pay special attention to the isolation of compressors integrated in the brake systems of a railway vehicle.

KNORR-BREMSE, leader in the study and production of brake systems is looking for a new solution to replace the rubber isolation used until now. The problems involved in the ageing of the product as well as the risks for safety do not comply with the requirements of this German company.

SOCITEC proposes the suspension of the compressors by means of **HELICAL cable shock absorbers**. The first tests, carried out on 160kg piston compressors with 4 large loop shock absorbers are conclusive : **almost no vibration escapes from the isolation. The nuisance caused by the compressors is controlled.**

A little later, 12 other prototypes were ordered for tests on different models of compressors. **These shock mounts have been tested day and night for 4 years by the client.**

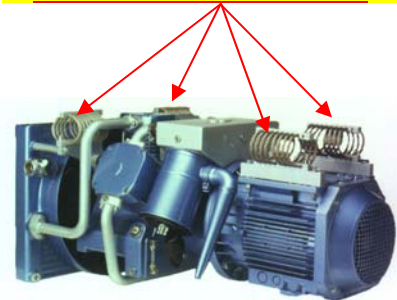


KNORR-BREMSE now regularly integrates SOCITEC cable suspensions in the brake systems sold throughout the world : the Vienna subway, the Kuala Lumpur subway, etc. With its specific product, the metal cable shock absorber, SOCITEC gives the client what he's looking for : **bilateral protection for the isolation of vibrations for passengers and compressor protection.**

The client was able to directly note the **ADVANTAGES of SOCITEC isolating products** :

- **ISOLATION OF VIBRATION**  
Beyond passenger comfort, the life of the protected equipment is extended.
- **SAFETY**  
Tear resistance in the case of impact defined by general specifications ( DIN, IEC, ...) of up to 5g.
- **EXTENDED LIFE TIME**  
SOCITEC metal cable shock mounts have a high fatigue resistance capability.

*Suspension of a compressor with 4 HELICAL cable shock absorbers*



### Our references

- AD TRANS** Germany  
*Compressor suspension in trains*
- ALSTOM** France  
*Suspension of signalling equipment in the Hong-Kong subway*
- FAIVELEY** France  
*Suspension for video surveillance equipment in buses and tramway*
- SERBE** France  
*Suspension of electronic box in buses and tramways*
- NIEKE** Germany  
*Suspension of transformers under trains*
- MOTOROLA** Great Britain  
*Suspension of telecommunication racks in the Shuttle*