Product Range Railway





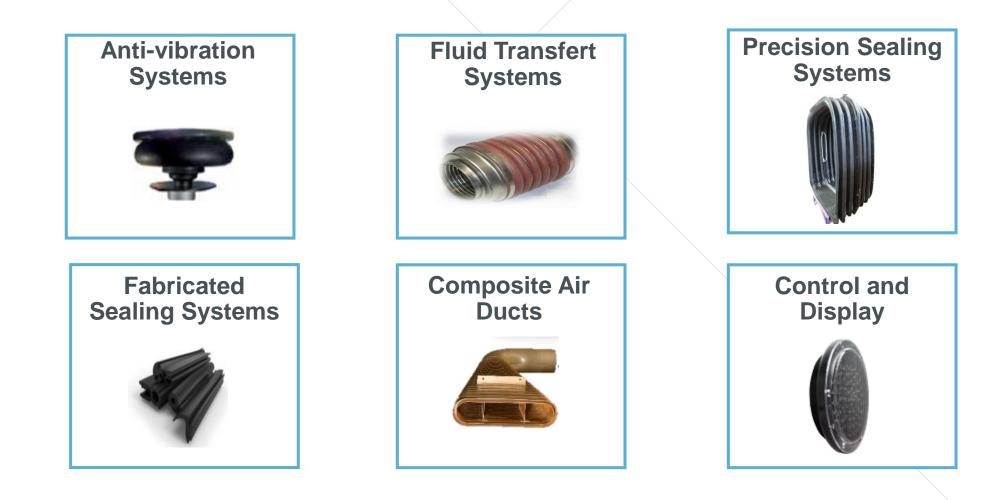


A global customer network



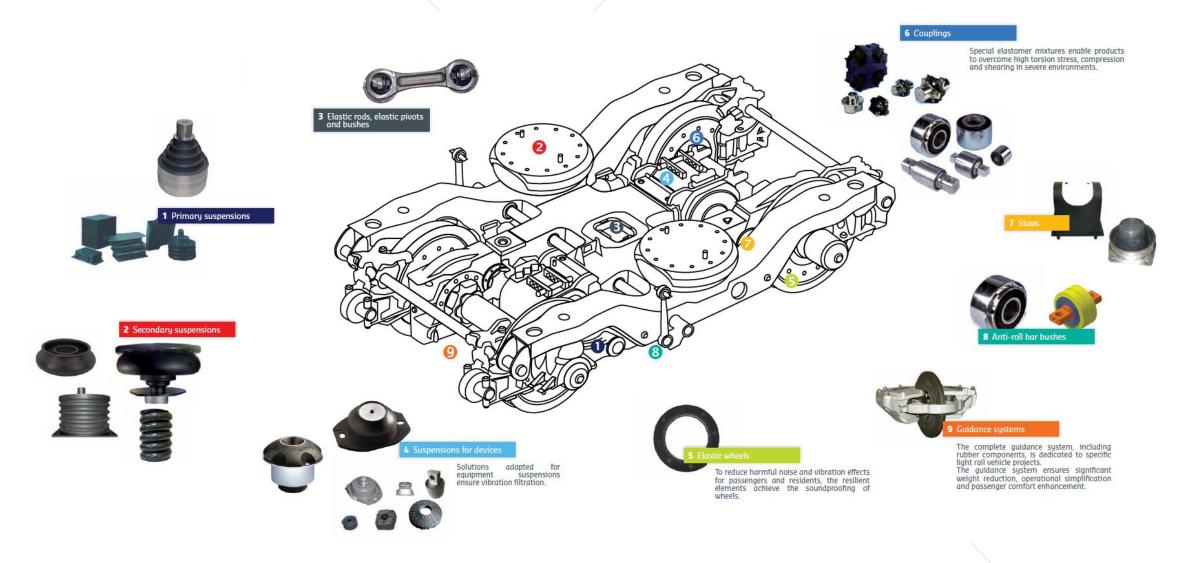


Product range





Anti-Vibration Systems – Bogie Parts

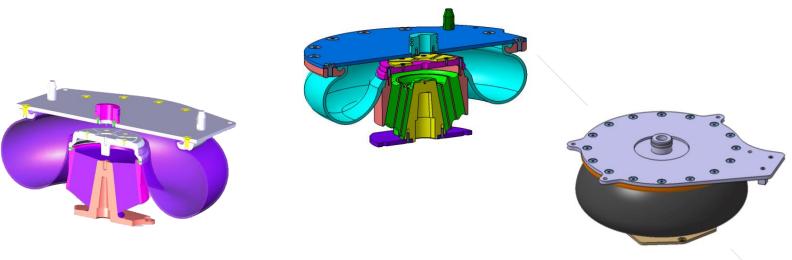


Anti-Vibration Systems – Bogie Parts

Secondary suspensions

- Coupled in-house pneumatic and rubber to metal conception
- EN45-545 HL2 R9 compliant
- Taylor designed counpound for low creep and extreme temperature (-40°C)
- Large product range : belted bellow, large displacement bellow, limited volume bellow
- All rolling stock familly covered : high Speed, regional, light rail vehicule, and metro.





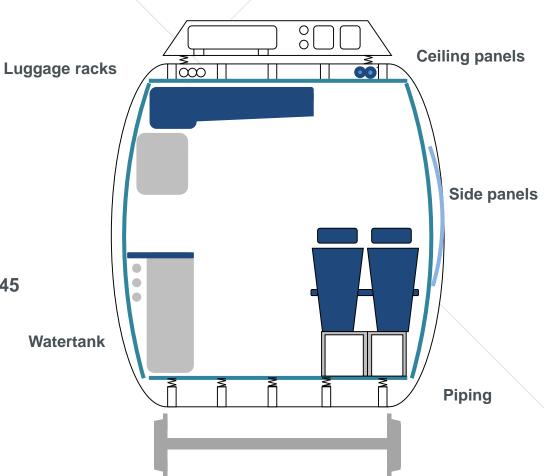


Anti-Vibration Systems- car body parts





- Fully stainless steel damper
- Compliance with fire standard EN45-545



Cooling- and air conditioning

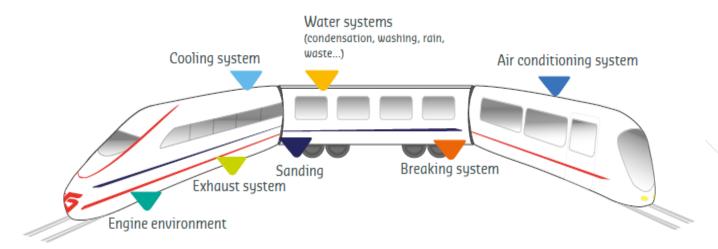


 Rubber to metal extensive range



Fluid Transfer Systems

EUROPEAN Applications : **RAIL FIRE** hoses range certified EN 45545



Smoke fire standard NFF 16101, LUL RSE/STD/024 part 1, BSS7239, DIN5510, BS6853, ASTM-C-1166-91, EN 45545

- Braking: NFF 11380 C1 & C2 ST L-12
- Cooling: STMD802 C1 & C2
- Water: ISO 1403
- Engine
- Sand: ISO 3861 (ST275)

Air-Conditioning

- Diesel systems: STMD803C1/C2





Fluid Transfert Systems

Pneumatic applications

- 161 RF type for NFF11380 C2
 - 15 different diameters
- 0201 RF type for NFF11380 C1
 - 1 main diameter
- Glass and silicone sleeve addition for ISO 15-540



Coupling

- Technical norms NFF11380 C1
- EN 45545 compliant





• Fixing collar and clamps



Quick Connectors





Precision Sealing Systems



Gangway & bellows EN45-545 HL2 R9



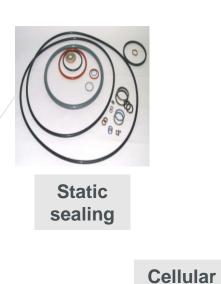
Dynamic sealing Magnetic encoder



Hoses and ducts



Rubber sealing Profiles





blocks and

sheets

Molded part



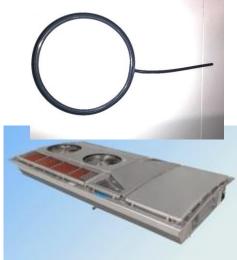
Fabricated Sealing Systems

VHS Train door seal

- Handcrafted inflatable seal
- 6,5m length / Silicon made
- Fire/Smoke properties + Extinguishable

• VHS Train Duplex : HVAC Seal

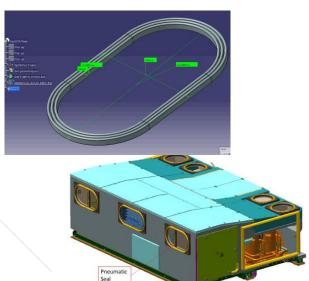
- Handcrafted inflatable seal
- 863cm length / Silicon made
- EN 45545 compliant





Other type of HVAC Seal

- Handcrafted inflatable
- Material Silicon + Fabrics
- EN 45545 compliant
- + Extinguishable





Fabricated Sealing Systems

Silicon Seals

- Good flexibility
- Good temperature resistance (250 C°)
- Good elasticity
- Resistant to certain types of fluids
- Fire/smoke properties + Extinguishable (excellent in passenger environment)
- → COLOR OF MATERIAL CAN BE ADAPTED

EPDM Seals

- Excellent oil resistance
- Temperature resistance max 120C°
- Good resistance to pressure
- Good UV resistance
- Excellent qualities of resistance to mechanical compression stress





Composite air ducts

Thermoset Ducts

- Adapted to complex geometry
- Easy joining capability
- Process adapted to big parts

Thermoplastic Systems

- Single layer composite ducts
- Upt to 45% lightercompared to traditional glass/phenolic prepreg ducting
- Automated and semi-automated process
- Welded ducts No sealant or adhesive required
- Materials : BMS 8-353



Applications : Ceiling channels and supply air ducts



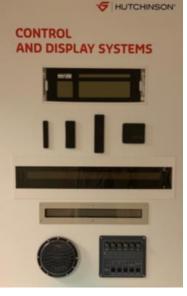
Control and display

Control Panels

- warning panels
- braking indicator systems
- driving assistance control boxes







Displays for Passenger Information Systems (PIS) made of LCD or LED technologies

 Lighting products : red tail lights, indicators and LED technology exit signs





