

Tread Brake Unit



Description :

Modular design Tread Brake Units (TBU) allowing service brake, parking brake. TBUs are designed for all rail market segments to work under extreme operating conditions and serving the industry over decades

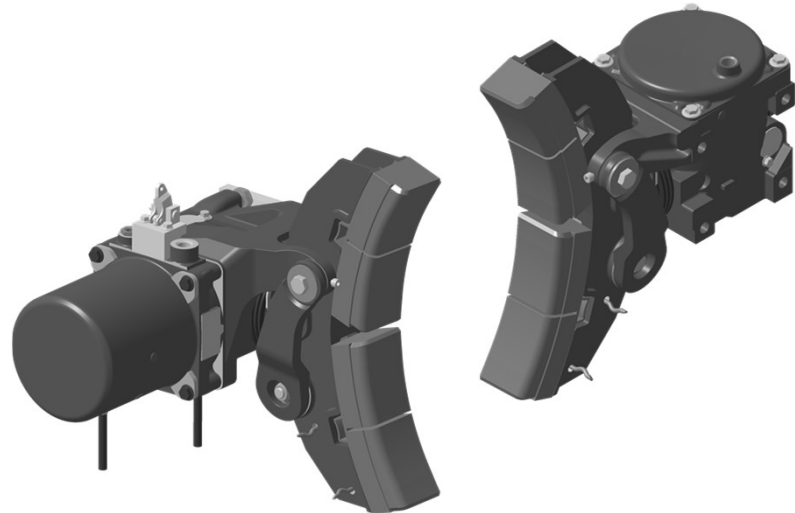
Application : Locomotives, Metros, Catenary Maintenance Vehicles & Wagons

Key Benefits of Product :

- Compact TBUs with Bg and BgU configurations
- Flexible TBUs cater to higher lateral wheel dynamics
- Flexibility to adapt UIC and AAR standard block holders for different wheel dimensions
- Minimum space envelop for easy installation
- Integrated slack adjuster
- Adjustable cylinder ratio by proven Wedge principle
- Integrated anti-compound valve & retention device
- Easy maintainability with low LCC
- High standardisation using service proven components
- Ball release system for parking brake can be used

Technical Features :

- Suitable wheel diameter : Ø860 to Ø1250 mm
- Brake block / Block holder : UIC 250 & 320
- TBU configuration : Bg & BgU



- TBU Service & Parking brake : BFC & BFCF
- Stroke : 72 mm
- Max. SB output force : 50 kN (customizable)
- Max. PB output force : 22 to 33 kN (customizable)
- Max. slack adjustment : 125 mm
- PB release pressure : 6.5 bar
- Ambient temperature range : -25°C < T < +70°C
- Service brake Pipe thread : G1/2" ISO 228/1
- Parking brake Pipe thread : G1/4" ISO 228/1

Standards Compliance :

- Shock & vibration : EN 61373
- Salt spray test : EN 9227
- Fire and Smoke : NF F 16 101

References :

- Chennai, Kochi, Mumbai Metros
- WAG 9 Loco, Kazakhstan Loco
- Metro Cairo, Metro Toulouse, Metro London

