



RAILKO RG15

Friction Damper Bushes

RAILKO RG15 friction damper bushes are used within the suspension dampening system on Y-series freight bogies.

Product Description

RG15 has been specially formulated and manufactured for friction damper applications. RAILKO RG15 friction damper bushes are used to provide optional suspension dampening to the system. RAILKO RG15 offers complete protection against ovalisation to the bogie housing and wear onto the damper plunger which was a common customer problem.

Product Advantages

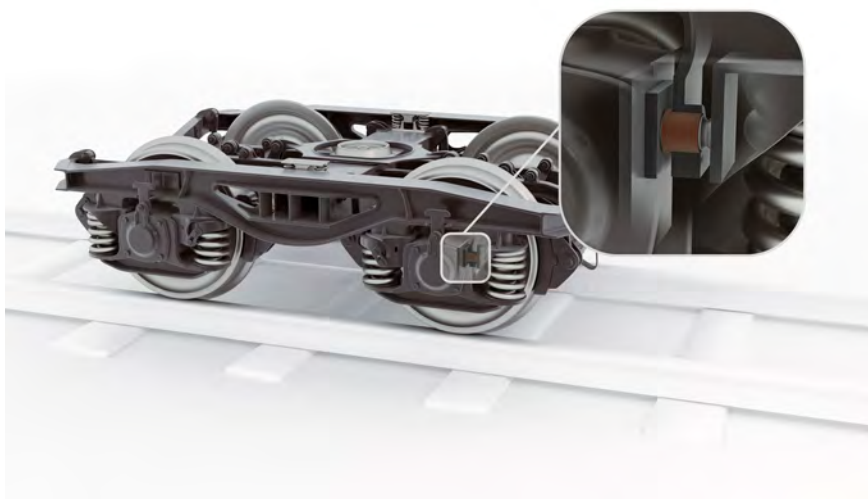
- Protection against housing ovalisation (wear)
 - Excellent impact and vibration absorption
 - Significantly lower noise than steel
 - Low water swell
 - High temperature resistance
 - Outstanding strength capabilities
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Storage

- To be stored in a dry location
- Take care not to exceed safe working loads and heights for storage shelves and racks

Physical Properties

| Property | Units | RG15 |
|--|------------------------|-----------|
| Density | g/cm ³ | 1.31 |
| Flexural Strength | MPa | 100 |
| Flexural Modulus | GPa | 4.8 |
| Compressive Strength | MPa | 240 |
| Tensile Strength | MPa | 60 |
| Charpy Impact Notched | kJ/m ² | 32 |
| Shear Strength | MPa | 80 |
| Compressive Yield @ 68.9 Mpa | % | 2.2 |
| Brinell Hardness | kgf/mm ² | 32 |
| Swell in Water (24 hours) | % | |
| 20 °C | | 0.4 |
| 80 °C | | 0.6 |
| Coefficient of Thermal Expansion | x 10 ⁻⁶ /°C | |
| Parallel | | 30 |
| Perpendicular | | 52 |
| Coefficient of Friction (Unlubricated) | | 0.28-0.42 |
| Maximum Operating Temperature | °C | |
| Continuous | | 200 |
| Intermittent | | 220 |
| Normal Working Pressure | MPa | 60 |



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Advanced materials.
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