



# RAILKO NF22

## Brake Linkage Bushes

RAILKO NF22 Brake Linkage Bushes are used within freight and passenger vehicles in the articulation points of the braking system.

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**Product Description**

RAILKO NF22 reinforced composite bushes are proven to lower noise by up to 13dB (A), compared with steel bushes. RAILKO NF22 reinforced composite bushes provide protection to pins, shafts and housings against costly wear. It is important to ensure the material has a low water swell and thermal expansion, thus avoiding seizing issues on the pin shaft, which can affect the wagon braking mechanism. The RAILKO NF22 Brake Linkage Bushes have a very low water swell and thermal expansion, which enables tighter running clearances and longer bearing life.

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**Product Advantages**

- Significantly lower noise than steel
  - Prevents shaft seizures - Maintenance free solution
  - High resistance to abrasive conditions - Longer component life time
  - Less downtime
  - Ease of installation
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**Approved Applications**

For use as Brake Linkage Bushes in the braking system in passenger/freight rail.

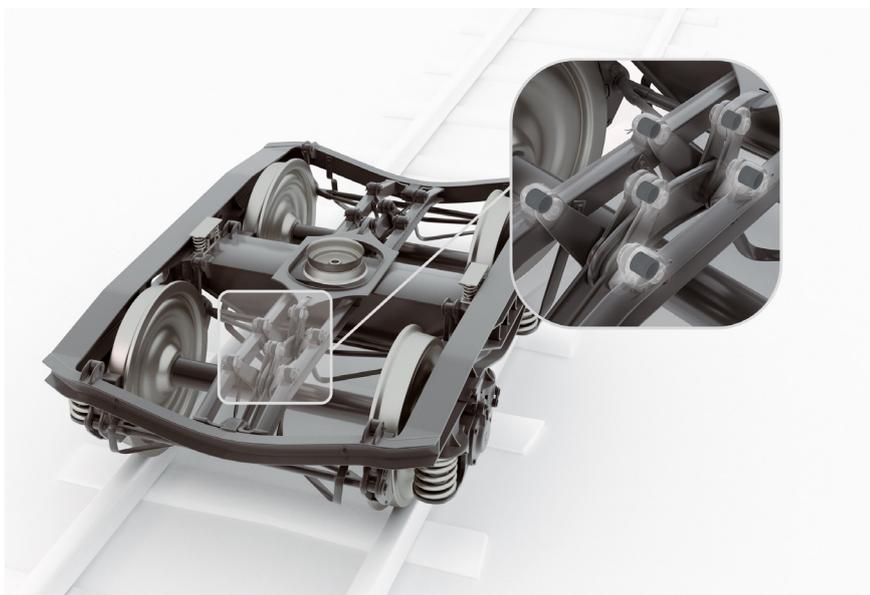
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**Storage**

- 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	NF
Density	g/cm <sup>3</sup>	1.64
Flexural Strength	MPa	44
Flexural Modulus	GPa	5.7
Compressive Strength	MPa	190
Tensile Strength	MPa	27
Charpy Impact Notched	kJ/m <sup>2</sup>	30
Shear Strength	MPa	40
Compressive Yield @ 68.9 Mpa	%	2.0
Shore D Hardness		90
Swell in Water (24 hours)	%	
20 °C		0.2
80 °C		0.5
Coefficient of Thermal Expansion	x 10 <sup>-6</sup> /°C	
Parallel		43
Perpendicular		43
Coefficient of Friction (Unlubricated)		0.34-0.42
Maximum Operating Temperature	°C	
Continuous		120
Intermittent		140
Normal Working Pressure	MPa	55



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