

RAILKO NF21-NF22

RAILKO NF21 and **NF22** grades have a resin bonded composite structure with added friction modifiers to give a controlled friction. **RAILKO NF** has been developed as a high performing wearing and bearing material for many industrial applications and offers low wear and friction rates.

RAILKO NF21 and **NF22** are widely used in railway, pump marine, and, industrial engineering applications. **RAILKO NF21** and **NF22** are the same formulation. **NF21** is for flat products, and **NF22** is for cylindrical products.

- ✓ Excellent wear characteristics
- ✓ Low friction rates
- ✓ Self lubricating
- ✓ Excellent stability
- ✓ Low Noise
- ✓ Easy to Machine, Fit and Install

RAILKO NF is available as sheets, tubes, rods, finished machine parts, and fully finished bearings (full bearings, half shells, staves)



RAILKO NF22:

Tube: Length: 640 mm

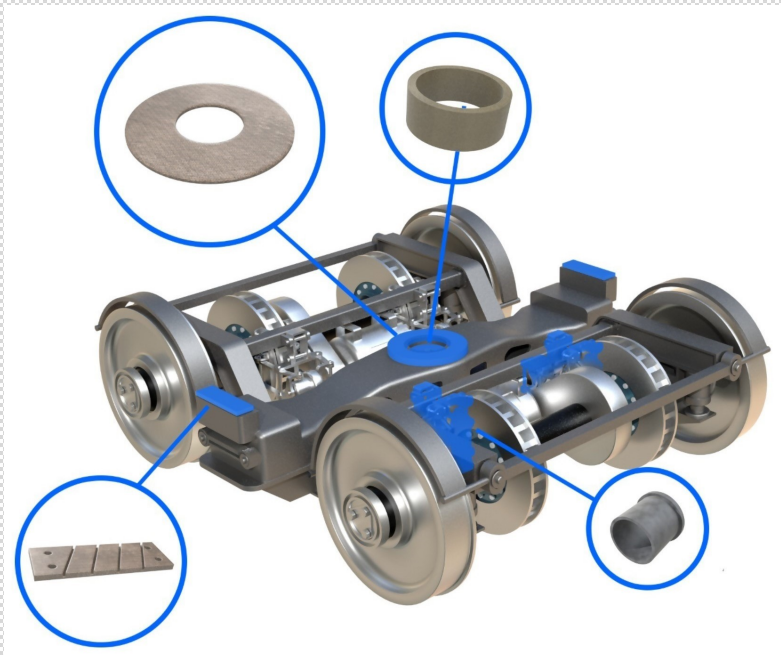
Minimum Inside diameter: Ø19 mm

Maximum Outside diameter: On request

RAILKO NF21:

Sheet: Thickness: 4 – 85 mm

Sizes: 660 – 1150 mm



GLOBALENGINEERING LTD

PROPERTY	UNITS	NF
Density	g/cm ³	1.64
Flexural Strength	MPa	44
Flexural Modulus	GPa	5.7
Compressive Strength	MPa	190
Tensile Strength	MPa	27
Charpy Impact Notched	kJ/m ²	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 ⁻⁶ /°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