



Railko RG22 is a synthetic fibre reinforced material with added friction modifiers. Fully approved as a rudder bearing material with all major marine classification societies, it contains special friction modifiers permitting its use in dry running applications.

Railko RG22 can be pressed into housings or freeze-fitted using liquid nitrogen.

Bearings can be produced for shafts up to 1100 mm diameter and typically with 6 mm allowances on the diameter and 50 mm on length to allow for machining at shipyards.

Properties	Units	
Coefficient of Friction (DRY)	-	0,08 – 0,12
Swell in Water @ 20°C	%	0,15
Ultimate Compressive Strength	MPa	300
Compressive Yield @ 68,9 MPa	%	2,5
Normal Working Pressure	MPa	75
Thermal Expansion	Normal	10 ⁻⁶ /°C
	Parallel	10 ⁻⁶ /°C
Maximum Operating Temperature	Continuous	°C
	Intermittent	°C
Impact Strength	kJ/m ²	33
Hardness	Brinell	23
Density	g/cm ³	1,3

Availability:

Railko RG22:

Tube: Length: 900 mm
 Minimum Inside diameter: Ø20 mm
 Maximum Outside diameter: On request