

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 <sup>-6</sup> /°C	110
	Parallel	10 <sup>-6</sup> /°C	40
Maximum Operating Temperature	Continuous	°C	100
	Intermittent	°C	120
Impact Strength		kJ/m <sup>2</sup>	33
Hardness		Brinell	23
Density		g/cm <sup>3</sup>	1,3

**Availability:****Railko RG22:**

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