

MARINE BEARINGS

TENMAT, FEROFORM and RAILKO

Long service life marine bearings.

Fitted in over 8,000 vessels, more than 120 submarines and by more than 30 navies worldwide, TENMAT marine bearings combine high strength with excellent wear resistance and durability, featuring hard wearing composites that outlive rubber and thermoplastics in all types of service conditions. This provides ship owners with longer service life and lower operational costs.

TENMAT are so confident of the superior performance of FEROFORM and RAILKO marine bearings that we offer a 15 year warranty. Stock is available through our worldwide network of distributors. RAILKO and FEROFORM materials are fully approved by all major marine classification societies for critical applications.

TENMAT marine bearings are available in tubes, half shells, stave bearings and fully machined bearings and can include bronze or stainless steel housings if required. Bearing design including calculation sheet and technical assistance is also available.



HOW TO REACH US

Any questions?

Please call or e-mail, we will be glad to help.



MIM

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Internet:
mim-hamburg.de



Online shop:
epoxy-shop.com

Applications:

Stern tube bearings, split bearings, staves, rudder bearings (10 N/mm²), flap rudder bearings, thrusters, winches, davits, cranes, pumps, slides, stinger rollers, stabiliser bearings, spherical bearings

Marine and transportation references



AIRBUS



ANDRITZ



GE Transportation



MAERSK
LINE

ThyssenKrupp



Rolls-Royce

VOITH



WÄRTSILÄ



TENMAT MARINE BEARINGS

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OFFICIAL DISTRIBUTOR



CBH CARL
BAGUHN
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MIM

Marine- und Industrie-Montage GmbH

BENEFITS

Key Benefits

- Superior wear performance
- Very low water swell
- Very low thermal expansion: for tighter clearances, longer life and less noise
- Compatible with all shaft materials: bronze, inox, steel
- Tolerate misalignment
- Work with “dirty” water
- Large size range
- Do not promote corrosion
- Do not support biofouling

Others

- Operate with all common lubricants – even dry
- Low coefficient of friction
- Can operate at temperatures beyond range of most lubricants (-54 °C to +120 °C)

MATERIALS

Material Overview: epoxy-shop.com/tenmat/produkte

FEROFORM T14

COF (dry):	0.08–0.15
Swell (water @ 20°C):	0.2%
Temp cont:	100 °C
Temp max:	120 °C
Comp. strength:	>400 N/mm ²



FEROFORM T12 + MoS2

COF (dry):	0.08–0.19
Swell (water @ 20°C):	0.2%
Temp cont:	100 °C
Temp max:	120 °C
Comp. strength:	>400 N/mm ²



FEROFORM T814 + PTFE

COF (dry):	0.07–0.10
Swell (water @ 20°C):	0.25%
Temp cont:	100 °C
Temp max:	120 °C
Comp. strength:	>400 N/mm ²



FEROFORM PR18 + graphite + PTFE

COF (dry):	0.08–0.12
Swell (water @ 20°C):	0.05%
Temp cont:	100 °C
Temp max:	120 °C
Comp. strength:	395 N/mm ²



RAILKO NF21 & RAILKO NF22 nylon felt + graphite

COF (dry):	0.36–0.4
COF (wet):	0.04–0.08
Swell (water @ 20°C):	0.2%
Temp cont:	120 °C
Temp max:	140 °C
Comp. strength:	>400 N/mm ²

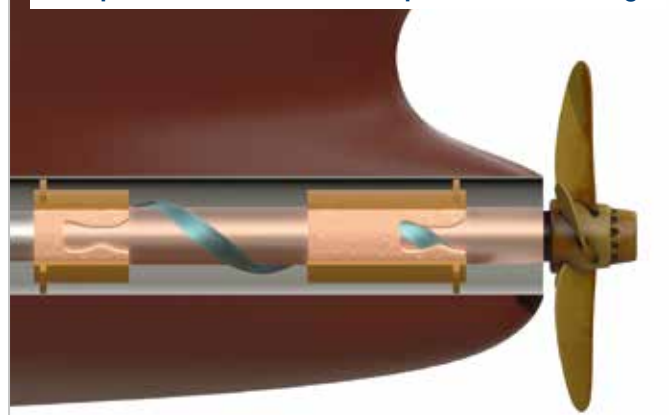


F3637 high temp

COF (dry):	0.13–0.15
Swell (water @ 20°C):	0.5%
Temp cont:	200 °C
Temp max:	300 °C
Comp. strength:	>400 N/mm ²



Composite Stern Tube and Propeller Shaft Bearings



More information: mim-hamburg.de/tenmat

Tank Pads

