



**Thordon Small Ship Bearings (SSB)
pollution-free propeller shaft, rudder
and deck equipment bearings**

MARINE BEARINGS YOU CAN RELY ON

- Easy installation and removal - saving time & money
- Smooth quiet operation at all speeds
- Flushes through abrasives without damaging shaft and bearing
- Absorbs misalignment & deflection from impacts
- No high frequency squeal at low RPM
- Available in a wide variety of sizes to suit various housings & shafts - custom sizes if required
- Long wear life – over twice that of rubber
- Class approved - suitable all for surveyed vessels
- Proven performance - 1000s of commercial, pleasure & naval vessel references.
- Bearings from 20mm to 10 meters in diameter

Developed in the 1960's as a high performance pump bearing, Thordon is an elastomeric polymer alloy that provides exceptional wear life, particularly in abrasive operating conditions. Thordon's proven performance in vertical pumps led to its very successful adaptation as a propeller shaft & rudder bearing. Thordon's grease-free propeller & rudder bearing systems are operating smoothly and pollution-free on thousands of vessels around the world. Using proven Thordon SXL, the system offers the reliability

needed in today's marine industry. With over 25+ years of trouble-free installations documented, Thordon marine bearing systems are the proven, reliable, pollution-free solution for vessel owners, managers, and yards who demand the best.

Royal New Zealand Navy "HMNZS Te Kaha"



Thordon installed in over 41 navies worldwide

Wellington Pilot Vessel achieved 20,000 hours on Kiwi



Fullers fleet switched to Thordon



Approved for all major classification societies including: Lloyds, ABS, DNV, BV, China Classification Society, Korean Register of shipping

Propeller shafts as small as 1"



ThorPlas Blue on vehicle ramp, Kiwi SSB on shafts & rudders





Easy Installation

Kiwi SSB bearings are installed with an Interference fit shrunk into the housing carrier, this can be done by either pressing the bearing in or freezing the bearing down, no mechanical lock (i.e. grub screws) are needed. Glue-Bond is also available if the housing is damaged or out of round. For removal, simply apply a heat source to the bearing surface above 80 °C (heat gun/blow torch) and the bearing will 'stress relieve', shrink and can easily be removed.



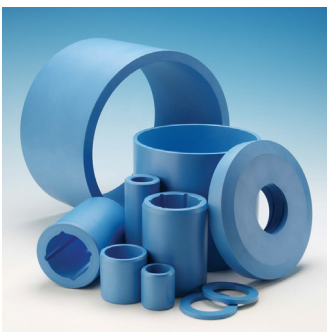
Rudder Bearings – Thordon SXL

Thordon SXL rudder bearings offer low friction, operating pressures up to 12 MPa (1,740 psi) and do not require grease or greasing systems. Thordon SXL can also withstand high shock loads and edge loading. An impressive reference list of demanding, yet satisfied customers is available. Thordon SXL is recognized as the proven choice for value, guaranteed performance, and freedom from pollution concerns.



Easiflow GRP Stern Tube

The Easiflow stern tube system, supplied by Henleys for over 35 years, is a composite tube specially designed and formulated to take the place of conventional metallic stern tubes and rudder port housings. It is manufactured to a very accurate ID and is designed so it does not absorb water, will not swell over time, and will not corrode. Easiflow stern tubes are designed to be fitted only with Thordon bearings.



ThorPlas Blue for Deck Machinery

Ensuring reliable operation of all equipment installed above the waterline is a tough issue for any ship's crew. Deck machinery and steering gear bearings require frequent maintenance and grease lubrication.

ThorPlas-Blue is a grease free, maintenance-free solution, eliminating a source of pollution. The proprietary engineered thermoplastic bearing is capable of pressures up to 45MPa (6,527 psi); higher pressures may be possible with Thordon Engineering review. ThorPlas-Blue can easily be back fitted into virtually all applications where greased bronze is currently installed. A stainless steel or non-corrosive mating surface should be used.

Typical ThorPlas-Blue Deck Equipment Maintenance Free Applications

Fairleads, lifeboat davits and sheave bearings, tiller arm and jockey bar bearings, hydraulic steering gear self-aligning bearings, pivot point bushings on embarkation and loading platforms, cranes, hoists, and deck loading equipment, winches, watertight doors and hatches.



Product	Shaft size	Housing I.D	Total length
Cape Reinga	1"	1.25"	4"
Northland	1"	1.5"	4"
Whangarei	1.25"	1.5"	4"
Auckland	1.25"	1.75"	5"
Huntly	1.25"	2"	5"
Waikato	1.5"	2"	6"
Taupo	1.5"	2.375" (3/8)	6"
Taranaki	1.75"	2.375" (3/8)	7"
Bay of Plenty	2"	2.625" (5/8)	8"
Tasman	2"	3"	8"
Manawatu	2.25"	3"	9"
Wairarapa	2.25"	3.125" (1/8)	9"
Hawkes Bay	2.5"	3.375" (3/8)	10"
Wellington	2.75"	3.75"	11"
Marlborough	3"	3.75"	12"
Canterbury	3.25"	4.25"	13"
West Coast	3.5"	4.25"	14"
Buller	3.5"	4.5"	14"
Otago	3.75"	4.5"	15"
Southland	4"	5"	16"
Stewart Island	4"	5.25"	16"

Half-length, metric and custom size bearings also available.

Bearing housing damaged or out of round?
Ask about our glue fit and Easiflow Tube options!



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