

## Typical properties of Vesconite and Vesconite Hilube

	Metric	Imperial
Compressive yield strength	89 MPa	12,750 psi
Design load	30 MPa	4,250 psi
Water absorption	0.07%	0.07%

## Application assessment and design.

Each application should be considered carefully to give the best results.

Use the online *Design-a-Bearing* calculators to assess an application in terms of loads and speeds and easily size the bearing.

See [www.vesconite.com](http://www.vesconite.com)



## Complete and fax back to +27 11 616 22 22

Please quote on Vesconite bearing application

Bearing size: OD \_\_\_\_\_ ID \_\_\_\_\_ Length \_\_\_\_\_

Load \_\_\_\_\_ Speed \_\_\_\_\_

Company: \_\_\_\_\_

Contact: \_\_\_\_\_

Postal Address: \_\_\_\_\_

Postal code \_\_\_\_\_

E-mail: \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Please send me

☐ Marine Design Manual

☐ More information

Vesconite- stocked worldwide.  
Bushings, Rods and Plates

[www.vesconite.com](http://www.vesconite.com)  
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UAE	800 027 01 03	
South Africa	(011) 616 11 11	(011) 616 22 22
Australia	(03) 97 96 40 98	(03) 86 48 56 71

# Vesconite and Vesconite Hilube

## Marine Bearings



- Carry high loads
- Minimal lubrication
- No water swell
- Longest life
- Lowest maintenance

[www.vesconite.com](http://www.vesconite.com)



## Why Vesconite for general marine applications?

- No swell in water – maintain close clearances.
- High load capacity - not affected by water absorption.
- Self lubricating – reduce greasing and maintainance without fear of seizure.
- No stick-slip problem – operate smoothly and quietly.
- Dimensionally stable – no water swell and low thermal expansion.
- Long wear life – low wear to bearings and expensive shafts and pins.
- No electrolytic corrosion.
- No delamination.

## Where can Vesconite be used?

Vesconite is ideal for bushing applications with high loads and slow speeds where lubrication and maintenance is a problem and where long life is required.

Consider applications like

- Pivot joints
- Bushings that are partially and fully immersed in water
- Bushings for dirty applications
- Maintenance and greasing is not practical
- Low friction is required



**Deck Cranes and Davits**  
Vesconite used for pivot points and slew bearings

**Hatch Covers**  
Vesconite used for pivot points and linear slides. Exposed to environmental conditions.

**Winches**  
Exposed to harsh conditions. Vesconite suited to irregular use or standby applications.

**Sheaves, Rollers and Pulleys**  
Vesconite solves difficult maintenance problems.

**Slipway Bogies / Syncro-Lift**  
Vesconite bushes may be immersed in dirty water. Do not need maintenance.

**Grabs**  
Pivot points exposed to dirty conditions. Lubrication not needed.

**Stern Rollers**  
Also anchor and deck rollers. Occasional operation can cause problems for bronze bushings.

**Rudders**  
Neck and pintle bushes. Overall maintenance and operational costs reduced.

**Stern Tubes and Thrusters**  
Reliability and long life non-negotiable. Downtime reduced.

Vesconite is approved by major classification societies:

