

VESCONITE

Hanger Bearings



**NO SWELLING
SELF-LUBRICATING
WEAR RESISTANT
HIGH LOAD CAPACITY**



**HIGH LOAD CAPACITY,
GREASE-FREE HANGER BEARINGS**

www.vesconite.com



#1785

LET VESCONITE CARRY THE LOAD...

GREASE-FREE, SCREW CONVEYOR
HANGER BEARINGS

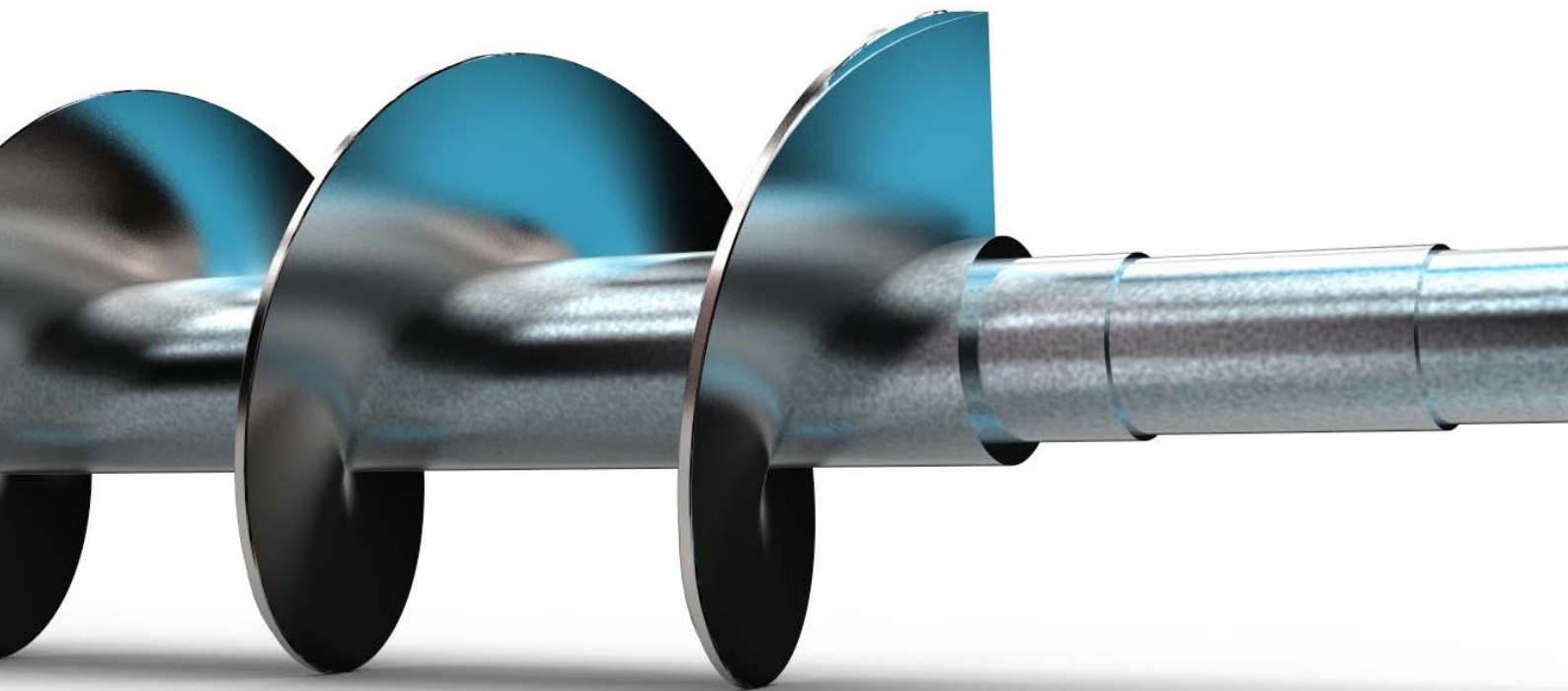


**VESCONITE HANGER
BEARINGS ARE
AVAILABLE FOR THESE
POPULAR HANGER STYLES**

- Style **220**
- Style **216**
- Style **226**
- Style **230**
- Style **326**
- Style **316**
- Style **30**

**AS WELL AS FOR
CUSTOM HANGERS**

- Custom solutions for styles 60, 70 & 370 (sealed bearing unit replacement)
- Hybrid designs (e.g. split bearing replacements)
- Solutions to suit custom hanger designs



THE ADVANTAGES OF VESCONITE

FOR HANGER BEARING APPLICATIONS



EXCELS IN HARSH ENVIRONMENTS

Vesconite Hilube and Hitemp 150 give long life when operating in dirty or wet environments. They are abrasion resistant, and cope well with viscous, debris filled or hard materials.



VARIETY OF POLYMERS

Vesconite Hilube and Hitemp 150 suit a range of temperatures, abrasive conditions, industries and food compliance requirements.



NO LUBRICATION REQUIRED

Vesconite Hilube and Hitemp 150 are internally lubricated, eliminating the need for greasing.* Being contamination free makes their use in the food industry advantageous.



INCREASES SHAFT LIFE

Vesconite Hilube is known to increase shaft life. Since shaft wear is costly, this is beneficial for plant operators intent on keeping costs under control.



HIGH LOAD CAPACITY

Vesconite Hilube and Hitemp 150 have a high load capacity and can cope with the heavy weights often involved with loaded screw conveyors transporting bulk materials.



UP TO 10X THE LIFE OF BRONZE

Vesconite Hilube and Hitemp 150 have a lifespan of up to 10 times that of bronze. This significant wear-life increase minimises costly downtime for year-round operations.

* Subject to an application assessment. Different PV values (load vs. speed) will determine the greasing requirements.

MATERIAL PROPERTIES	HITEMP 150		VESCONITE HILUBE	
	<i>Metric</i>	<i>Imperial</i>	<i>Metric</i>	<i>Imperial</i>
Continuous dry running temperature rating	150°C	300°F	100°C	212°F
Intermittent dry running temperature rating	170°C	340°F	120°C	248°F
Water absorption ambient (after 28 days)	3-4%		0.13%	
Hardness (Shore D)	80		83	
Chemical resistance	Resistant to alkalis, not suitable for acids		Resistant to many acids, mild alkalis, organic chemicals, solvents, hydrocarbons, oils and fuels	

Compressive Strength @ Yield (dry)	60 MPa	8,700 psi	98 MPa	14,200 psi
Conveyed medium	Accommodates very abrasive conveyed mediums, such as A-grade granulated sugar. Also suited to higher temperature applications		Recommended where conveyed medium isn't too abrasive. The consistency should be fine to very fine, such as castor sugar and flour, or less abrasive, such as plant fibres. Not suitable for A-grade granulated sugar.	
LNE food-contact approval	Yes		Yes	
NSF61 approval for drinking water applications	Not yet tested		Yes	
WRAS approval	Yes		Yes	

VESCONITE

ORDERING YOUR VESCONITE HANGER BEARINGS

OPTION ONE:

**MACHINE YOUR OWN HANGER BEARINGS
WITH OUR ROD AND TUBE STOCK RANGE**

- Vesconite Hilube and HiTemp150 standard stock is available for self-machining.

OPTION TWO:

ORDER FULLY-FINISHED HANGER BEARINGS

- Parts machined to manufacturer drawings or detailed hanger information.
- Injection moulded parts for high-volume orders.



SURFACE & CUTTING SPEEDS

"GUIDELINE ONLY"

SIZES	RPM	SURFACE SPEED
0.31 - 0.45	8000 - 10000	400
0.46 - 0.60	6000 - 8000	300
0.61 - 0.90	5000 - 6000	250
0.91 - 1.15	4000 - 5000	200
1.16 - 1.60	3000 - 4000	150
1.61 - 2.00	2000 - 3000	100

Feed rate: 0.005 - 0.010 inch/rev
 0.005 - 0.010 inch/rev

When Feeds are used, use the following:

Feeds: 0.005 - 0.010 inch/rev

Always Lubricate
 Drill and Drilling
 Drill Bit
 Material
 Do Not Touch
 Rotating Parts



WARNING

CAUTION

THICK MATERIALS
 AND LONGER CUTS
 MAY CAUSE THE TOOL TO
 BREAK OR THE WORKPIECE
 TO VIBRATE. ALWAYS USE
 THE CORRECT TOOL AND
 FEED RATE. ALWAYS USE
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NOTICE

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SAFETY

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VESCONITE

BEARINGS

Founded in 1958, Vesconite Bearings is a world-leading manufacturer of low-friction, low-wear bearing materials for a wide range of industries. These include the pump, agriculture, railways, mining, heavy-transport, hydro, renewable-energy, earthmoving, marine and construction industries.

The story of Vesconite goes back to 1968, when founder and chemical engineer Alain Leger began the research and development of a polymer bearing material for use in the ultra-deep gold mines of South Africa – a notoriously harsh environment characterised by extreme dirt and wetness.

The Vesconite Bearings factory spans 20,000 m² and features advanced extrusion, injection-moulding and CNC machining facilities. Both standard stock (rods, bushings and plates) and high-precision machined parts are produced. The company is ISO 9001:2015 certified.

EXTENSIVE
PRODUCT
RANGE

SHORT
LEAD
TIMES

QUICK
GLOBAL
DELIVERY

HOW CAN WE HELP YOU?

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