MOUNTED SLEEVE BEARINGS

Solidlube®

Solidlube is available in multiple housing styles and bore sizes

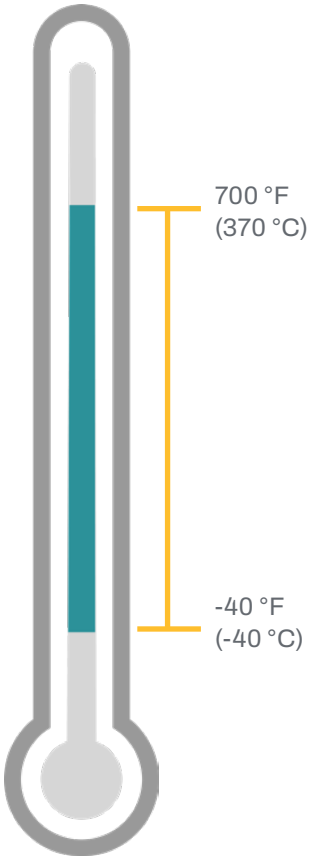
Solidlube mounted sleeve bearings feature a carbon-graphite insert that is self-lubricating, chemical-resistant, and capable of withstanding extreme temperatures, making them ideal for the most challenging applications.

Commonly found in ovens, heat treating processes, dampers, and other applications across a variety of industries, the bearings are engineered to work where grease lubricants cannot be used.

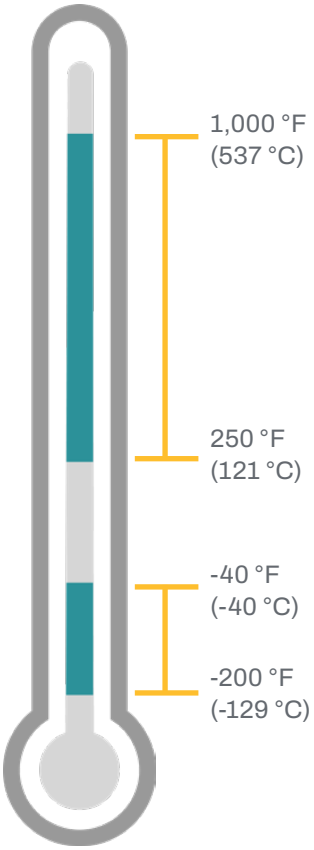
Solidlube bearings can handle full submersion in water, exposure to corrosive liquids in chemical production, and high heat in air-handling applications to keep your operations running smoothly.

Built by the name you trust, Solidlube bearings are manufactured for reliability and quality using consistent, repeatable processes at our US-based, ISO 9001-certified facility in Rogersville, TN.

Operating temperature parameters



700 series



1,000 series

The bearings that work where others won't

Self-lubricating design
Lubrication is provided from the bearing's carbon graphite material, requiring no additional lubrication for maintenance-free operation.

Durable inner unit
The high-performance inner unit is made of cast iron and has a corrosion-resistant coating to protect from rust, reinforce the carbon graphite, and improve product life.

Self-aligning
The ball and socket arrangement between the housing's inner diameter and the insert's outer diameter allows for misalignment up to four degrees (+/- two degrees), and the anti-rotation pin can lock the insert in place.

Built for reliability
Manufactured using consistent processes and high-quality materials for dependable operations, even in the most extreme conditions.

Chemical corrosion resistance

		Bearing series	
Type of chemical	**Chemical**	**700**	**1,000**
Acids and acidic solutions	Mineral (non-oxidizing)	Good	Good
	Mineral (oxidizing)	Not compatible	Good
	Inorganic salts (acid forming)	Good	Good
	Organic (strong)	Good	Good
	Organic (weak, pH 3 — 7)	Good	Good
	Organic salts (acid forming)	Good	Good
Alkalis (bases and alkaline solutions)	Mineral (non-oxidizing)	Good	Good
	Mineral (oxidizing)	Some compatibility (contact engineering)*	Good
	Inorganic salts (base forming)	Good	Good
	Organic (strong)	Good	Good
	Organic bases (weak, pH 7 — 11)	Good	Good
Gases	Acid	Good	Good
	Alkaline (base)	Good	Good
	Anhydrous (dew point below -30 °F or -34 °C)	Some compatibility (contact engineering)*	Some compatibility (contact engineering)*
	Cyrogenic (liquefied)	Not compatible	Some compatibility (contact engineering)*
	Inert	Good	Good
	Oxidizing	Not compatible	Some compatibility (contact engineering)*
	Reducing	Good	Good
Salts	Acid salts	Some compatibility (contact engineering)*	Some compatibility (contact engineering)*
	Alkaline salts	Some compatibility (contact engineering)*	Some compatibility (contact engineering)*
	Metals	Good	Good
	Neutral salts	Not compatible	Some compatibility (contact engineering)*
	Neutral salt solutions	Good	Good
Solvents	Aliphatic	Good	Good
	Aromatic	Good	Good
	Chlorinated, flourinated	Good	Good
	Oxygenated, sulfides	Good	Good

Good = no known interaction
*For technical support and application assistance, contact the Dodge Mounted Bearings Application Engineering team at +1 864 284 5700 or engineering@support.dodgeindustrial.com

An RBC Bearings company.