Sumitomo Drive Technologies

Quill Bushing

PREVENT STUCK SHAFTS. SIMPLIFY MAINTENANCE.

A Reliable Connection Shouldn't Become A Permanent One

Metal-to-metal contact between the motor shaft and gearbox bore can lead to fretting corrosion and a seized shaft.

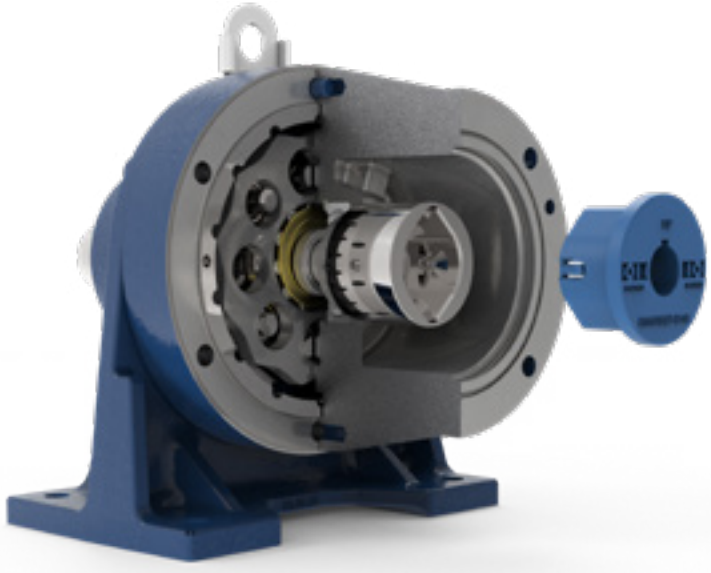
The Cyclo® Quill Bushing eliminates that contact with a composite insert, helping make motor removal faster and maintenance more predictable.

A Different Approach To Shaft Connections

The Cyclo® Quill Bushing introduces a **composite insert** between the motor shaft and gearbox bore.

Instead of metal-to-metal contact, it creates a **barrier** that prevents the metal-to-metal contact that causes fretting in the first place.

Your Gearbox Just Got Better.
Same Model Number. Same Price. Same Lead Time.



**Ships installed as standard.*
Replacement inserts available
Patent Pending

Traditional Approach vs. Cyclo® Quill Bushing

	Traditional Approach	Cyclo® Quill Bushing
Interface	Metal-to-metal contact	Composite barrier
Fretting	Managed or reduced	Eliminated
Removal	Can seize in place	No seizure risk
Maintenance Outcome	Unplanned downtime	Routine, predictable

What This Means For Your Operation

- **Prevents** seized shafts during maintenance
- **Eliminates** fretting, not just reduces it
- **Reduces maintenance** downtime and repair costs
- Removes the need for anti-seize and workarounds

Proven Performance

The Cyclo® Quill Bushing has been validated through a variety of testing, with **no corrosion** observed across all test conditions.

1.5+ yrs
Field operation, zero issues reported

12x
Static full load motor torque

2,000 hrs
Non-stop run at full load

1M cycles
Endurance tested under cyclic load

Product Availability

The Cyclo® Quill Bushing is **standard on hollow quill input configurations** for:

- Cyclo sizes: **606 through 616**
- NEMA frames: **56C, 140TC, 180TC, 210TC, and 250TC**
- Original all steel hollow quill input: Available on request
- Product lines: **Cyclo®, HBB, and BBB4 NEMA input gearboxes**

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