

INDUSTRIAL APPLICATION: STEEL & ALUMINUM CAN MANUFACTURING

Customer Challenge

*Plant Productivity
& High Cost of Downtime*

Can manufacturing is an automated, high-speed precision operation that demands precise equipment alignment.

- Bronze bearing materials require lubrication and constant re-alignment, which lead to expensive downtime.
- Other thermoplastic plain bearing materials are soft, wear quickly, and deform under load causing alignment problems.

Our Solution

*FibreComp® Bushings, Manifolds
& Split Rings*

Our industry-proven composite materials are self-lubricating with low wear rates and zero creep, which lead to increased productivity, reduced downtime and maintenance costs.

- 4 to 10 times longer service life compared to bronze and other thermoplastic materials
- 600°F (316°C) continuous operating with spikes to 1,000°F (538°C)
- Excellent dimensional stability & high impact resistance



FIBRECOMP® CRITICAL PARTS

Bushings for Necker Housing Reworks

- Critical tolerances for longer service life
- Reduced tool/die wear leading to less scrap and reduced lubrication



Bushings for Bodymaker & Trimmer Housing Reworks

- Minimal wear and dampen wobbling and other vibrations
- Extremely low wear rate maintains alignment and reduces wear on expensive dies



Manifolds for IC Spray, Decorator, Light Tester & Vacuum Parts

- Eliminates common causes of manifold failures (warping and uneven wear) through low wear, low co-efficient of friction and no wear to mating surface



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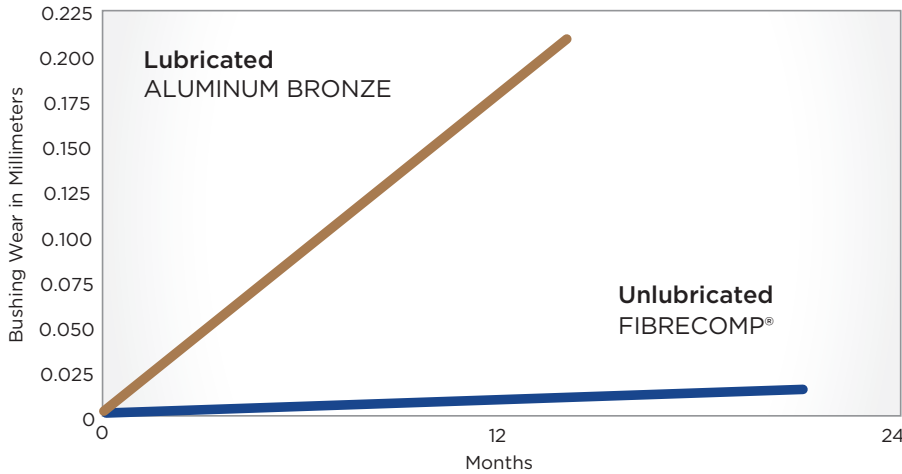


FibreComp® Material: Wear and Mechanical Test Data

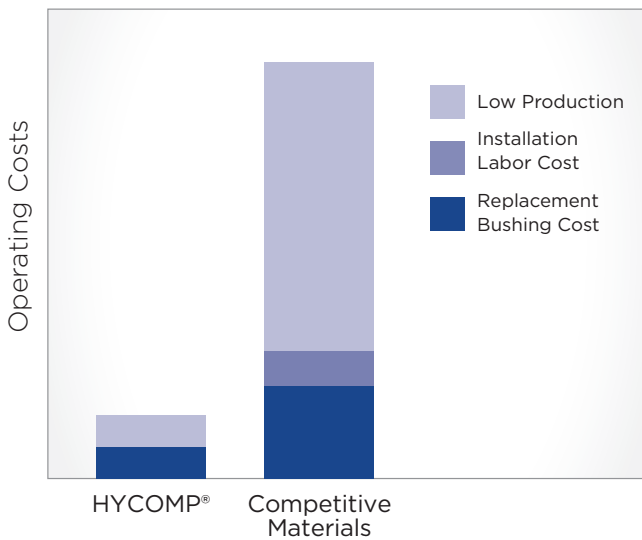


Testing results prove our material outperforms lubricated bronze and metallic plain bushing materials.

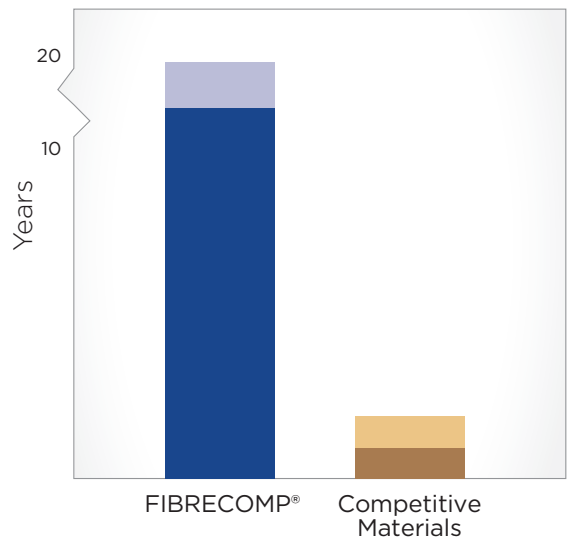
TRIMMER BUSHING WEAR TESTING



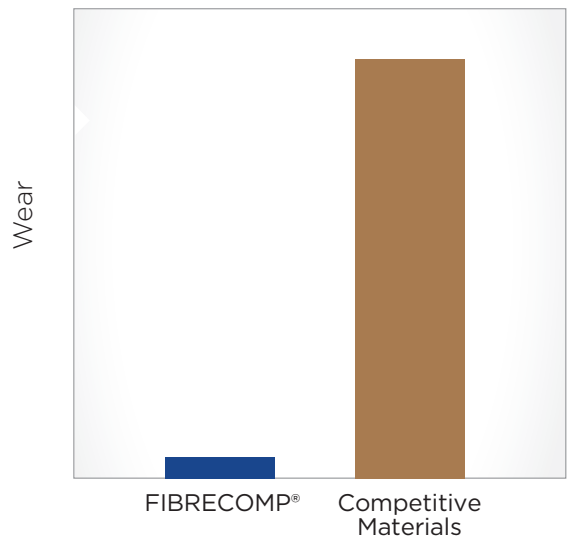
TYPICAL BUSHING OPERATING COST



TYPICAL MANIFOLD LIFE



TYPICAL SHELL DIE COMPONENT WEAR



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