



Product	Customer Problem	Moline Solution/Benefit
Grab Roller Bearing	The original cast iron design of this agricultural bearing was breaking. An attempt to use a weldment also failed.	Moline provided this housing in ductile iron and increased the thickness of the bolt pad to allow a larger bolt thus decreasing the chance of housing failure.

# MACHINING AND ENGINEERING SERVICES

**Has the bearing you need been discontinued?**

**Is your customer experiencing bearing failure or broken housings?**

**Moline Engineers are available to custom design or modify existing housings to resolve any design or operating issues you may encounter.**

- We offer specialty housing materials such as ductile iron or machined steel.
- In many instances we can modify existing housings to suit a mounting issue or space consideration.
- Moline's Engineering Department can reverse engineer obsoleted mounted units.
- Fast turnaround on small runs and low minimum quantities are our specialty.
- We offer specialty seals and seal design solutions to suit a variety of application environments.
- High-temp, Low-temp, Solid Lube, Food-Grade greases are available upon request.
- We stock Timken™ Gas-powered or electromechanical lubricators that deliver periodic grease to help prevent premature failures.
- Please call the factory for more information, pricing and availability.

Product	Customer Problem	Moline Solution/Benefit
<b>SealMaster SleeveLoc</b> Discontinued by SealMaster	The customer had welded threaded bolts to their machines that only matched the discontinued Sealmaster 3000 flange unit.	Moline machined a cast iron flange that matched the bolt pattern of the discontinued bearing. The customer was spared the high cost of reworking their existing machinery.
<b>Dodge B1 Double-Interlock</b>	Customer purchased then performed additional modification of this Dodge cartridge unit.	Moline reverse engineered and performed additional machining within a three week period. The customer saved time and cost of additional machining.
<b>Browning 950</b> Discontinued by Browning	Customer designed their equipment around the discontinued Browning 950 pillow block. The bolt pattern and pad height were crucial dimensions.	Moline made a casting that matched dimensions and created a part that was less expensive than original unit. Customer did not have to redesign their equipment or create retrofit kit for existing machines.
<b>Type E 2-Bolt "Miz" Bearing</b>	Standard cast iron housing was breaking and customer needed to order a small quantity.	Machined a steel housing that matched the bolt pattern with a quick turnaround and at a reasonable cost.

