

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.

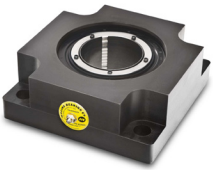


MACHINING AND ENGINEERING SERVICES

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
SealMaster SleeveLoc 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. 
Dodge B1 Double-Interlock	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. 
Browning 950 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. 
Type E 2-Bolt "Miz" Bearing	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. 