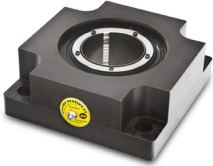






ENGINEERING AND MACHINING SERVICES

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 steel flange housing with a 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. Bearing was not contaminated by secondary machining process. 
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. 
Grab Roller Bearing #1	The original cast iron design of their 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. 

SPECIALTY SERVICES





Product	Customer Problem	Moline Solution/Benefit
Grab Roller Bearing #2	Customer could not use traditional pillow block mounting due to space and extreme dirt environment. Bearing was failing due to constant dirt impaction.	Moline manufactured a steel housed unit with tapped base mounting. Machined the housing bore to provide space to install a double set of seals on both sides for increased protection.



Product	Customer Problem	Moline Solution/Benefit
<p>Ball Bearing with Custom Steel Housing for an application in a tight and confined space.</p>	<p>Customer was experiencing broken housings and had limited space for mounting a larger bearing.</p>	<p>Moline custom designed, machined and manufactured steel housing with ER insert and custom locking channel.</p>