



AURELIUS MFG CO
INC

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SOLUTION PROFILE



Custom Welded Hydraulic Cylinders

- Bore – 1 to 6 inches
- Rod – 3/8 to 5 inches
 - hollows & specials
- Stroke – 0 to 20 feet
- Custom porting
 - NPT
 - S.A.E
 - O-ring
 - tube lines
 - specials
- Custom valving
 - Pads
 - Cavities

CHROME PLATED #303 STAINLESS STEEL SHAFT

ITEM	QTY.	PART NO.	DESCRIPTION
1	1		SHAFT
2	1		END GLAND
3	1		SEAL KIT
4	1		TUBE WELDMENT
5	1		PISTON
6	1		1-14UNS LOCKNUT
7			
8			
9			
10			

WT: LBS.

UNLESS NOTED
 ± PL. DEC. ±.005
 ± PL. DEC. ±.020
 ± PL. DEC. ±.060
 ANGLES ± 1°

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BRAHAM, MN.

DATE: JAH
 TITLE: _____

Requirement: Provide an electrical signal at each end of the cylinder stroke to work with the parent assembly's circuit logic and provide a durable, reciprocating assembly. Trip rods and limit switches had been used in the past but resulted in maintenance problems associated with the moving rods and exposed switches.

This cylinder incorporates ports and targets that work with GoSwitches to detect the end of the stroke. No extra moving parts are required and the switches themselves are simple and durable. A tube-line was added to clean up the plumbing and create a streamlined assembly and assembly process. The improved assembly reduces costs by eliminating the brackets and trip rods as well as reducing the field service that was required to keep the previous method running.

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