



# AURELIUS MFG CO INC

220 S.W. 8TH ST. - P.O. BOX 508  
 BRAHAM, MN 55006  
 320-396-3343 FAX 320-396-3346

## SOLUTION PROFILE

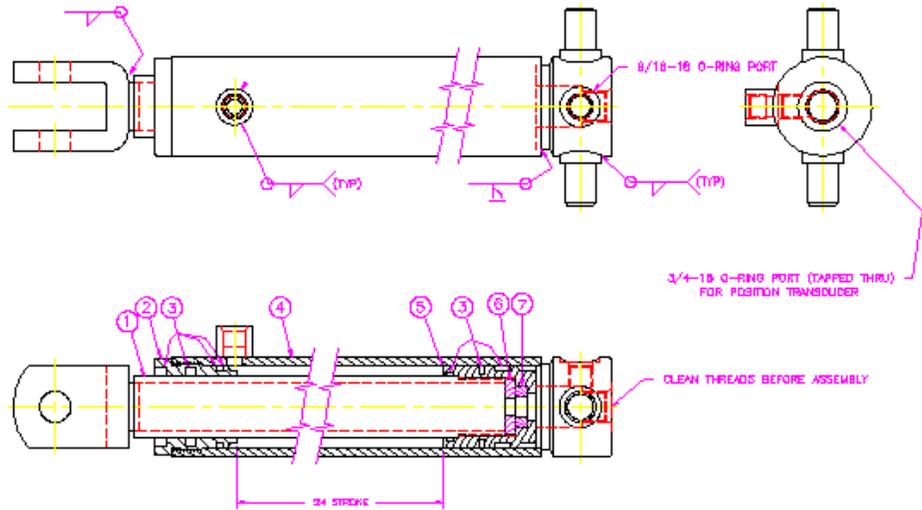


### Custom Welded Hydraulic Cylinders

- 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
- Integrated sensors
  - linear transducers
  - proximity

**Contact**  
**Aurelius Mfg. Co., Inc.**

Phone: 320-396-3343  
 Fax: 320-396-3346  
 Email: info@aurelius-mfg.com



WT: LBS.

ITEM	QTY.	PART NO.	DESCRIPTION
1	1		SHAFT WELDMENT
2	1		END CLAND
3	1		SEAL KIT
4	1		TUBE WELDMENT
5	1		PISTON
6	1		WASHER
7	1		SENSOR MAGNET
8	1		-

UNLESS NOTED 9 PL. DEC: ±.005 2 PL. DEC: ±.030 FINISH: ±1/16 TOLER: ±1"		<b>AURELIUS MFG. CO. INC.</b> BRAHAM, MN.	
DATE	JAH		
SCALE			
TITLE			DWG. NO.

**Requirement:** Maintain awareness and control of the precise location of the stroke of the cylinder.

**Solution:** This cylinder is built to receive a position sensor. The target magnet is built into the piston and installed when the cylinder is manufactured but the sensor itself, which represents a considerable dollar value, is added during the final assembly of the cylinder to the machine. This allowed the customer to work directly with the manufacturer of the sensor to integrate the signals into their circuit. This also allows for field replacement of the sensor without cylinder disassembly.