



# 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

POSITION NUTS AS SHOWN AT ASSEMBLY (THIS END ONLY)

SERIAL NO: A \_\_\_\_\_

NOTE:  
 1. ALL CONNECTIONS ARE 3/4-16 O-RING PORTS  
 2. INSTALL CAPPLUGS IN ALL PORTS AT ASSEMBLY

ITEM	QTY.	PART NO.	DESCRIPTION
1	1	40345	END GLAND
2	1	93328	PISTON
3	1	20358	SEAL KIT
4	1	98007	3/4-16UNF LOCK-NUT
5	1		SHAFT WELDMENT
6	1		TUBE WELDMENT
7	2		TUBE WELDMENT
8	2		1-1/2" O.D. PLATE JAMNUT
9	2		SHAFT WELDMENT
10	2	58778	END GLAND

TELE-TUBE

DESIGNER	JAH
DATE	
SCALE	
TITLE	

DIMENSIONS: ±.005  
 S PL. DIM: ±.020  
 F PL. DIM: ±.060  
 ADDRESS: ±1"

**AURELIUS MFG. CO. INC.**  
 BRAHAM, MN.

**Requirement:** Plumb a post-and-beam outrigger assembly without using hose reels or loop tracks. Post-and-beam outrigger assemblies create slack in the control lines to the post cylinder when the beam retracts. The slack is often handled by using hose reels or loop tracks.

**Solution:** This cylinder solves the plumbing problem by using telescoping tube-lines. The tube-lines (sometimes called trombone tubes) extend and retract like a cylinder eliminating the troublesome slack in the hoses. In this case, the two telescoping lines for the post cylinder were included as part of the beam cylinder assembly creating a neat, compact package that reduced assembly time for the customer.