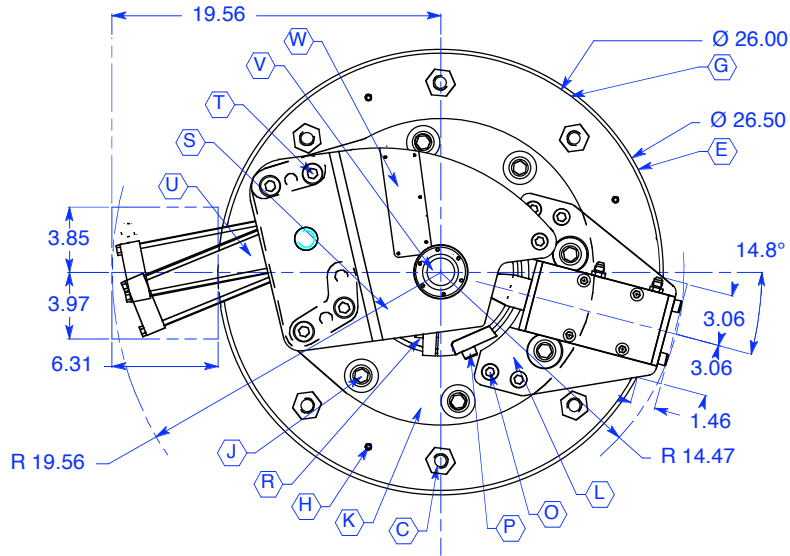
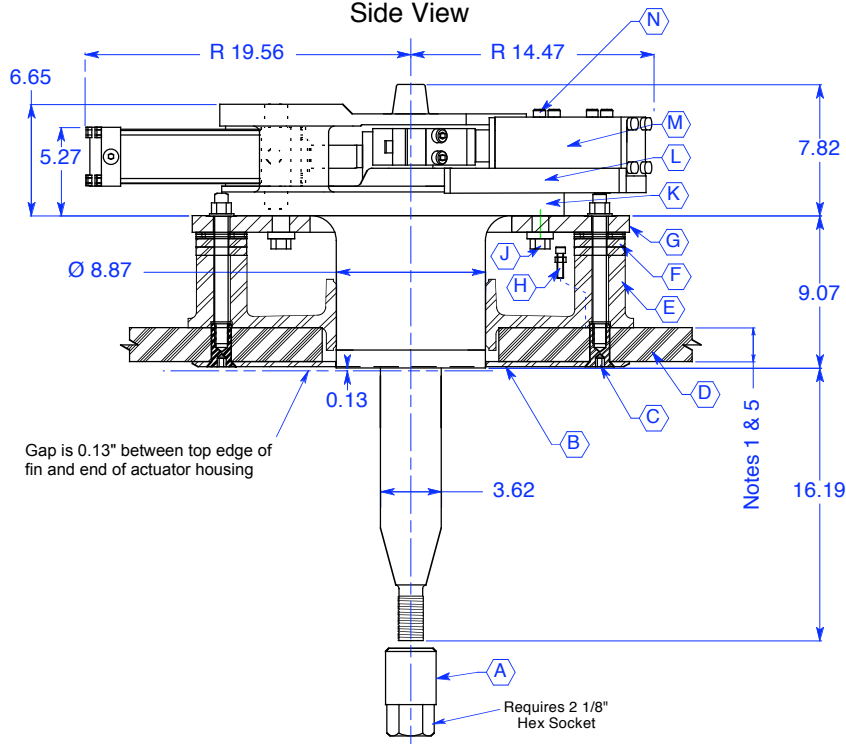


Top View



Side View



Assembly Parts

A. Fin Nut *	M. Yoke Locking Cylinder
B. Hull Doubler Plate (Note 2)	N. Locking Cylinder Screw
C. Hull Flange Bolt	O. Locking Adapter Screw
D. Augmented hull thickness (Notes 1 & 5)	P. Yoke Stop Screw
E. Inboard Hull Flange (Note 4)	R. Yoke Clamping Screw
F. Hull Flange Spacer (Note 5)	S. Top Plate
G. Companion Flange	T. Top Plate Screw
H. Hull Flange Jacking Screw (Note 6)	U. Actuator Cylinder
J. Actuator Flange Bolt	V. Position Sensor Cover
K. Actuator Flange	W. Sensor Cable Cover
L. Locking Adapter Plate	

Assembly Fasteners

Part	Description	Qty	Size	Install Torque ft-lb / (Nm)	Install with Coating ***
A.	Fin Nut *	1	M36 -4.0	800 / (1085)	Loctite® 262
C.	Hull Flange Bolt	8	M20 -2.5	150 / (203)	3M® 5200
H.	Flange Jacking Screw	3	3/8 -16	-- --	--
J.	Actuator Flange Bolt	8	M24 -3.0	400 / (542)	H
N.	Locking Cylinder Screw	4	M12 -1.75	75 / (102)	M
O.	Locking Adapter Screw	8	M12 -1.75 **	85 / (115)	H
P.	Yoke Stop Screw	4	M12 -1.75	75 / (102)	H
R.	Yoke Clamping Screw	2	M12 -1.75	75 / (102)	H
T.	Top Plate Screw ****	4	M20 -2.5	95 / (129)	M
T.	Top Plate Screw	1	M12 -1.75	30 / (41)	M
V.	Sensor Cover Screw	6	M5 -0.8	1.5 / (2.0)	--
W.	Cable Cover Screw	6	M3 - 0.5	0.3 / (0.4)	--

\* Requires 2.125" hex socket

\*\* M16 Shoulder Bolt.

\*\*\* M = Medium strength thread lock compound; H = High Strength thread lock compound.

Installation torques shown here require coating on threads and also, as lubricant, under bolt head or nut, whichever is turned.

\*\*\*\* Also find 0.75" x 2" dowel pins at each main top plate leg.

NOTES:

- It is the responsibility of the installer to determine what reinforcement measures should be taken to properly strengthen the hull for withstanding forces that may be encountered if the fin or the fin shaft strikes an immovable object while the vessel is under way. Recommendations made by American Bow Thruster are to be used as starting guidelines only. American Bow Thruster is NOT a naval architecture firm and is NOT qualified to advise on structural matters. American Bow Thruster strongly recommends that you seek the advice of a naval architect familiar with your make of vessel.
- The Hull Doubler Plate is a retainer surface for assembly fasteners and sealants. The Hull Doubler Plate should NOT be considered to provide structural hull reinforcement.
- The Hull Flange Bolts will through- bolt the Hull Doubler Plate, Inboard Hull Flange and Companion flange.
- Inboard Hull Flange with eight integral riser columns and adjustable spacer stacks.
- The range of hull thickness that can be accommodated by standard actuator equipment is 2.0" to 3.5". See the TRAC Stabilizer Installation Manual for additional details concerning this thickness range.
- Hull Flange Jacking Screws are used during installation and removed after final flange bedding.
- Actuator specifications and dimensions are subject to change without prior notice. Do not use this print for final installation without contacting the factory for certified dimensions.



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CHECKED

ISSUED 10/08/2004

REVISED 6/3/2005

DRAWING AS370FHv5

TRAC Stabilizer Specification Sheet

**TRAC® 370**

Actuator Assembly Parts & Dimensions - Fiberglass Hull Installation

DIMENSIONS: ALL DIMENSIONS ARE INCHES UNLESS OTHERWISE NOTED.

SCALE: NOT TO SCALE