



#### INSTALLATION TIPS:

- 1). VERY IMPORTANT, ENSURE **90°** RELATIONSHIP ARE MAINTAINED WITH RUDDER IN MID-SHIPS POSITION
- 2). ENSURE RUDDER FEEDBACK ARM AND RUDDER STOCK CLAMP SWING EQUALLY EACH SIDE OF MID-SHIPS
- 3). LOCATE 7163 RUDDER FEED BACK UNIT NEAR RUDDER STOCK ON A LEVEL SURFACE
- 4). THREADED CONNECTION ROD MAY NEED TO BE LENGTHEN IN ORDER TO ACHIEVE THE CORRECT MOUNTING GEOMETRY.
- 5). ALSO SEE 7163-FAK ADAPTOR KIT
- 6). DIMENSIONS INCHES [MM] SUBJECT TO VARIATION
- 7). REFER TO CABLING DIAGRAM FOR ELECTRICAL CONNECTIONS

RUDDER STOCK CLAMP <b>R</b> (INCH)	STEERING GEAR HARD OVER STOPS	
	ANGLE (DEG.)	RATIO
8.24	35	1.23
7.86	37	1.17
7.36	40	1.10
7.06	42	1.05
6.69	45	1.00
6.47	47	0.96

**R = RF ARM X RATIO**

CONTRACT MATERIAL		MANUFACTURING CO. LTD.	
DIMENSIONS IN INCHES	BY NO	BY NO	TITLE
ANGULAR	L.Z.	120214	INSTALLATION FOR
LINEAR	CHK	S.E.	RUDDER FEED BACK
ALL MACHINED SURFACES UNLESS OTHERWISE SPECIFIED	SCALE	SHEET	DRAWING NO
	N/A	1/1	D7163-INSTALL