

# Installation Instructions: New Style Tie Bar

## ⚠ WARNING

Refer to page 7 of your installation instructions for important warnings and information regarding the correct installation of your SeaStar hydraulic hose.

Cut the threaded end of the tie bar and tube to length using the following formulas below:

**⚠ CAUTION** The CD dimension must include allowance for engine toe in/out as required, or recommended by the engine manufacturer. Failing to observe toe in/out recommendations may result in harder than normal steering effort.

## ⚠ WARNING

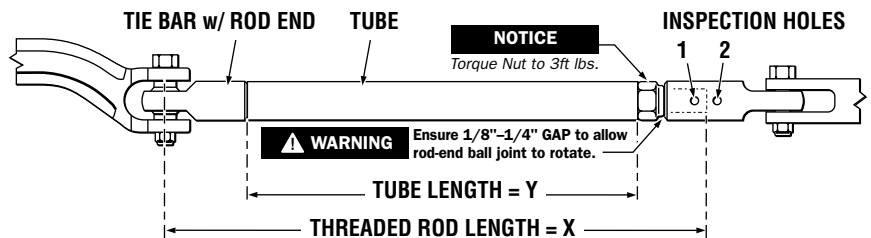
At the time of installation and any other time thereafter, the threaded rod must always fully cover inspection hole 1 of the rod end, but never inspection hole 2. Failing to observe this warning may result in one engine becoming separated from the steering system resulting in property damage and/or personal injury. The SeaStar tie bar is designed for use on Teleflex/SeaStar cylinders only. It may not be compatible with other cylinders.

**Note:** Maximum standard engine center = 3ft. (0.9m)

### HO6001

**Note:** Engine or tiller centers=CD  
X=CD - 14<sup>3</sup>/<sub>4</sub>" (375mm)  
Y=CD - 18<sup>1</sup>/<sub>4</sub>" (464mm)

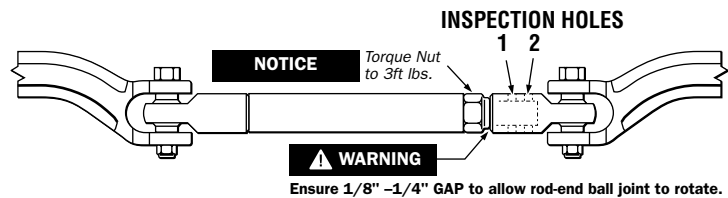
**Note:** HO6001 Minimum Engine centers = 26" (660mm)



### HO6002

X=CD - 19<sup>1</sup>/<sub>4</sub>" (489mm)  
Y=CD - 22<sup>1</sup>/<sub>2</sub>" (572mm)

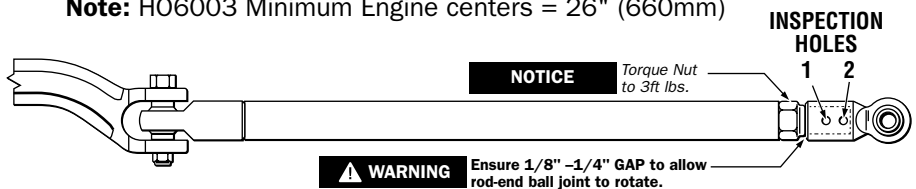
**Note:** OMC 200-225HP (1991-Date) & OMC FICHT 90-225HP (1996-Date)  
HO6002 Minimum Engine centers = 29" (737mm)  
All other makes and models  
HO6002 Minimum Engine centers = 27" (685mm)



### HO6003

X=CD - 10<sup>1</sup>/<sub>8</sub>" (257mm)  
Y=CD - 13<sup>3</sup>/<sub>8</sub>" (340mm)

**Note:** HO6003 Minimum Engine centers = 26" (660mm)



## ⚠ CAUTION

Ensure that each cylinder (if more than one) is allowed to hit it's piston stop. The tie-bar may have to be disconnected. Failure to do so may fail to purge all the air from the system, causing poor performance.