



NEW SEASTAR TOURNAMENT SERIES CYLINDERS AND ADJUSTABLE TIE BAR

Extreme heavy duty cylinders and tie bars designed for primarily high performance multiple engine applications. Also available for single engine applications.

SPECIFICATIONS

ORDER INFORMATION	PART NO.
Outboard Tournament Series Cylinder, Front Mount	HC6845
Outboard Tournament Series Cylinder, Front Mount, c/w Single Engine Hardware Kit	HC6845S
Tournament Series Tie Bar, Small	HO6820
Tournament Series Tie Bar, Medium	HO6821
Tournament Series Tie Bar, Large	HO6822
Tournament Series Tie Bar, X-Large	HO6823
Tournament Series Hardware Kit Twin Engine, Single Cylinder STBD	HA6802
Tournament Series Hardware Kit Twin Engine, Dual Cylinder	HA6804
Tournament Series Hardware Kit Triple Engine, Dual Cylinder	HA6806
Tournament Series Hardware Kit Quad Engine, Dual Cylinder	HA6811

Important:

Each configuration requires a hardware kit and tie bar kit(s), *with the exception of the single engine configuration.*

FITTING /SERVICE KITS

ITEM	PART NO.
Elbow Fitting Service Kit	HF6004
ORB Tee Fitting Kit	HF6005
Gland Service Kit	HP6160
Support Rod Service Kit	HP6161
Support Bracket Service Kit	HP6162

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AT A GLANCE

FEATURES

- Suitable for use with all SeaStar Helms & SeaStar Power Assist
- Heavy duty universal cylinder
- Bolt on stainless steel tie bar plates, also reversible (patent pending)
- Robust design with heavy duty support brackets, barrel, shaft & seals
- Superior corrosion resistance
- New pivot plate design provides smooth articulation and a sealed joint (patent pending)
- Heavy duty adjustable tie bar (patent pending)
- Equipped with stainless steel adjustable o-ring sealed elbow fittings which can be easily orientated in any direction.



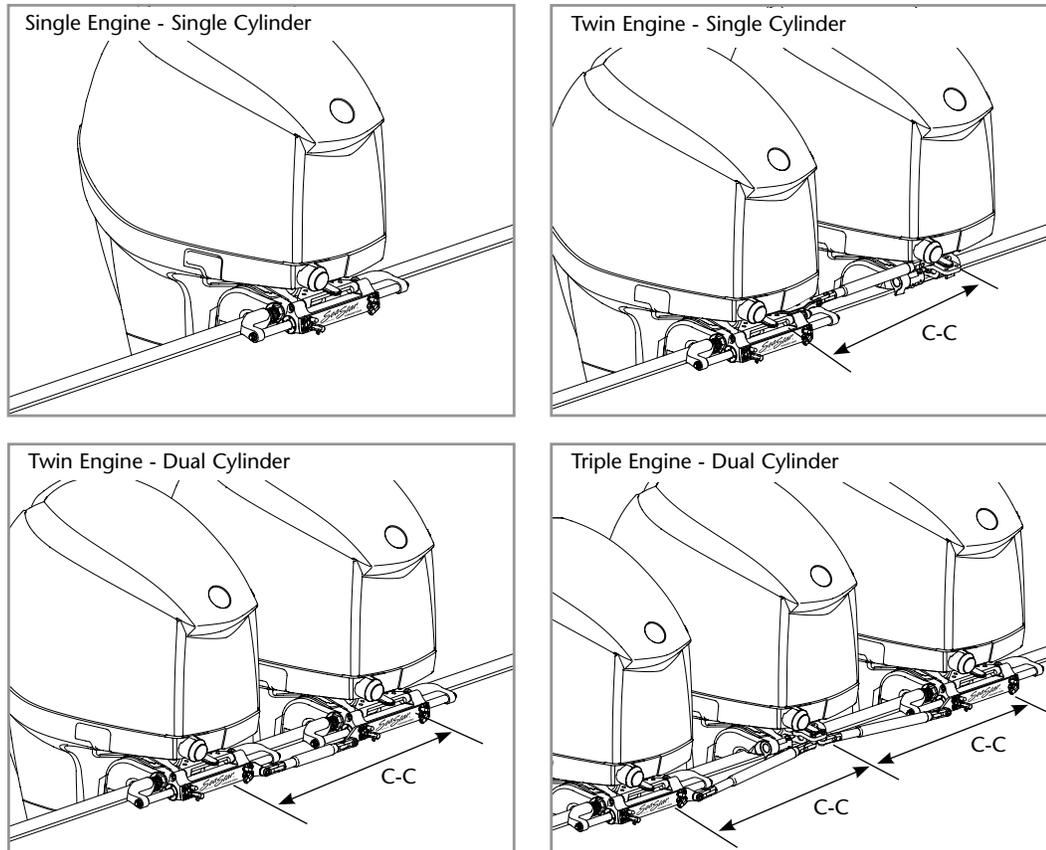
TOURNAMENT SERIES APPLICATION GUIDE, ALL ENGINE MAKES - 200+ HP

CONFIGURATION	CYLINDER		HARDWARE KIT		TIE BAR				NOTES
	PART NO.	QTY.	PART NO.	QTY.	PART NO.	QTY.	CENTER TO CENTER DISTANCE (IN.)	CENTER TO CENTER DISTANCE (MM)	
Single Engine	HC6845S	1	Included			N/A	N/A	N/A	See notes 1
Twin Engine - Single Cylinder (STBD)	HC6845	1	HA6802	1	HO6821 HO6822 HO6823	1	25.0 - 25.6 25.7 - 30.6 30.7 - 39.0	635 - 650 653 - 777 780 - 991	See notes 1,3,4,5 HA6802 Drive Bracket Availability - TBD
Twin Engine - Dual Cylinder	HC6845	2	HA6804	1	HO6820 HO6821 HO6822 HO6823	1	25.0 - 26.5 26.6 - 29.3 29.4 - 34.2 34.3 - 43.0	635 - 673 676 - 744 747 - 869 871 - 1092	See notes 1,3,4,5
Triple Engine - Dual Cylinder	HC6845	2	HA6806	1	HO6822 HO6823	2	25.0 - 27.9 28.0 - 36.0	635 - 709 711 - 914	Maximum drop: ≤ 3 inches (76mm) See notes 1 thru 5
Quad Engine - Dual Cylinder	HC6845	2	HA6811	1	CONSULT TELEFLEX TECHNICAL SERVICE				See notes 1,3,4,5
Quintuplet Engine (Plus)	CONSULT TELEFLEX TECHNICAL SERVICE								See notes 1,3,4,5

Important:

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ENGINE CONFIGURATIONS



C-C = Center to Center distance

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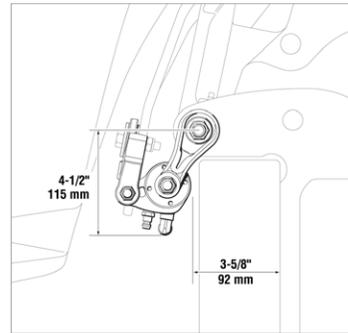
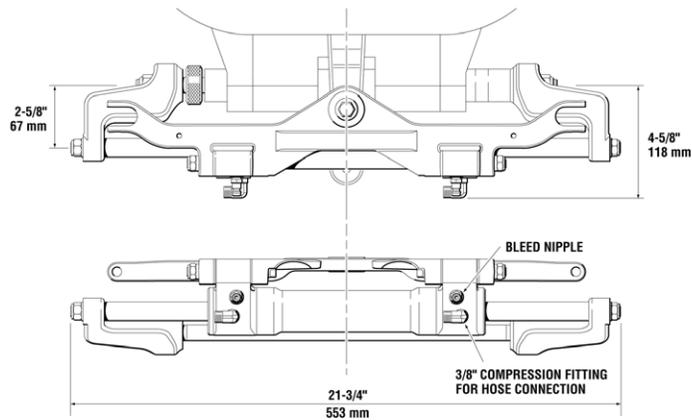
GENERAL INSTALLATION NOTES:

- 1) Installation may vary according to the following factors: engine mounting height, transom thickness, use of transom savers, tiller bolt hole location, engine tilt range, and engine size
- 2) For center engine drops greater than 3 inches (76mm), please consult Teleflex Technical Service.
- 3) Tie bar length may vary depending on toe in/toe out setup. To allow for toe, add or subtract from your nominal engine center to center distance.
- 4) Based on recommended engine manufacturer minimum center to center distances. Deviating from these recommendations may require stroke limiting cylinders and/or engine tilt limiting, please consult Teleflex Technical Service.
- 5) Cylinder's must be plumbed in parallel only, no series connections. Only exception is if cylinders are utilizing a liquid tie bar.

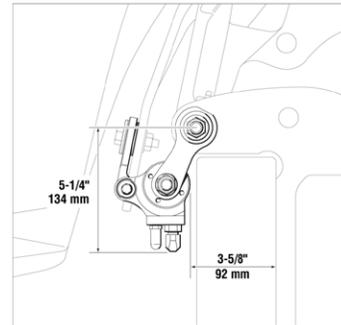
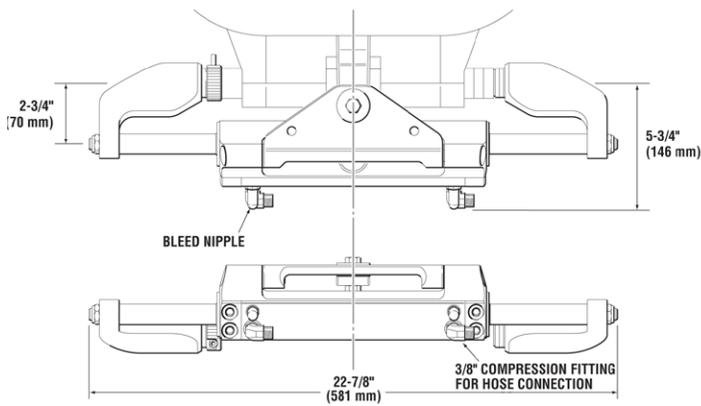


CYLINDER DIMENSIONS

SeaStar Current Tournament Cylinder



New Tournament Series Cylinder



Maximum tilt angles shown - 67°

Typical transom thickness shown, but will vary.

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