





Guide for steering cable lengths

APPLICATION	POWER	STEERING SYSTEM
OUTBOARD 	Up to 40 kW (55 CV)	TM48 - T67
OUTBOARD 	Up to 30' (9 m)	T85 - T71FC - T81FC T73NRFC - T83NRFC T86 - T88NR T96 - T98NR Twin cable rotary steering system
INBOARD 		Up to 35' (10.5 m)
STERN-DRIVE POWER ASSISTED 		

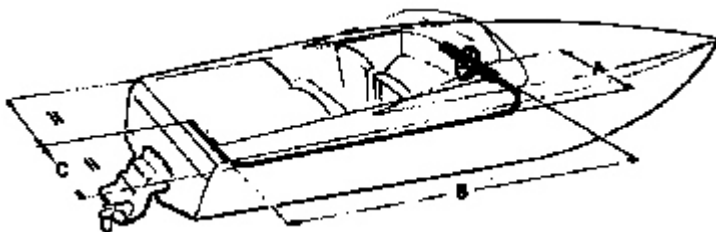
Twin cable rotary steering systems are recommended for boats reaching high speed over 46 knots. Follow the instructions given by the engine manufacturer.

NOTE: in certain cases mechanical steering systems can show very high loads. In such a case, use a power assisted UTRAFLEX hydraulic system.

- Speed, hull, horsepower, engine type, displacement and size are major factors in boat performance and handling characteristics. The above selection guide should be used as a general reference only and a qualified installer must pay high attention to a proper cable length.

ULTRAFLEX mechanical steering systems should not be used on boats equipped with engines that exceed the maximum horsepower rating of the boat defined by the boat builder.

MEASURE THE CABLE LENGTH FOR A NEW STEERING SYSTEM INSTALLATION:



Add the length of A, B and C and subtract 4 inches (10 cm) for each 90° bend.
Add 12" for the engine tilt tube.
Round up the result to the foot.



Fig. 1

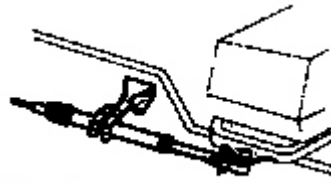


Fig. 2

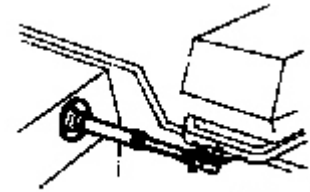


Fig. 3

TILT TUBE MOUNTING

Fig. 1

Example (cm) :

$$A (50) + B (250) + C (80) = 380$$

$$- 20 (2 \text{ bends at } 90^\circ) = 360$$

$$+ 30,5. (\text{tilt tube}) = 390.5 \text{ cm.}$$

$$390.5/30.5 = 12.8''$$

round up to 13''

TRANSOM SUPPORT OR SPLASHWELL MOUNTING

Fig. 2 and 3

Example (cm)

$$A (50) + B (250) + C (80) = 380$$

$$380 - 20 (2 \text{ bends at } 90^\circ) = \underline{360 \text{ cm.}}$$

$$360/30.5 = 11.8'' \text{ round up to } 12''$$

MEASURE THE CABLE LENGTH FOR REPLACEMENT PSARE PART:



ORDER LENGTH: Measure "D" + 56 cm

for length in feet, divide by 30,5 and round up to the foot.

Example : $D = 305 \text{ cm} + 56 \text{ cm} = 361 : 30.5 = 11.8''$ round up to 12''.