

# STEERING & CONTROLS

**MECHANICAL & HYDRAULIC STEERING  
MANUAL & ELECTRONIC CONTROLS • CONTROL CABLES**

**Call for prices and availability**

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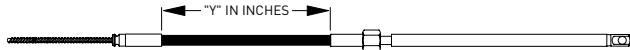


# How to Measure Steering Cables **"MEASURE TWICE. ORDER ONCE."**

## Replacement of Existing Cable:

If possible, find the part number stamped on the plastic jacket of the old cable.

If you removed the old cable, measure for the replacement cable as follows:



### For rotary steering cable replacement:

Measure the plastic cable jacket (Y) in inches, then, add 18 inches to this measurement.

Now round this measurement up to the nearest foot.

Check the helm and cable type and order that length of cable.

### For rack steering cable replacement:

Measure the plastic cable jacket (Y) in inches, then, add 30 inches to this measurement.

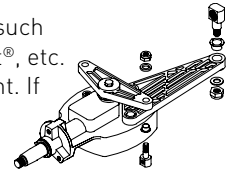
Now round this measurement up to the nearest foot.

Check the helm and cable type and order that length of cable.

### For JBS jet boat cable replacement:

Measure cable from tip to tip. Order that length cable.

JBS helms are ONLY for smaller jets such as Mercury Sport Jet®, OMC Turbo Jet®, etc. and look like the helm depicted at right. If your jet steering is different, contact Bainbridge.



## New Installation:

Measure cable routing path from wheel centre line to engine connection, as follows:

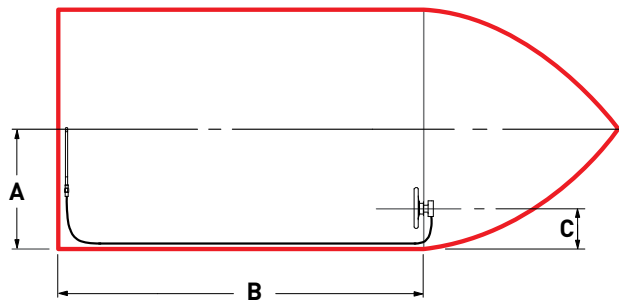
- A = Centre line of wheel to gunwale (or deck, if routed downward),
- B = Dash to transom,
- C = Gunwale to centreline of cable connection at centred tiller.

For cable installations through the engine tilt tube: add A, B & C + 6", and round up to the next foot. Order that length cable.

For cables mounted to transom, splashwell or stringer: add A, B & C, then subtract 6" and round up to the next foot. Order that length cable.

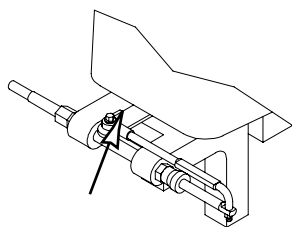
If your engine does not have a tilt tube cable connection as shown below, see 'Connection Kits' on page 31'

### TYPICAL SINGLE STATION ROUTING

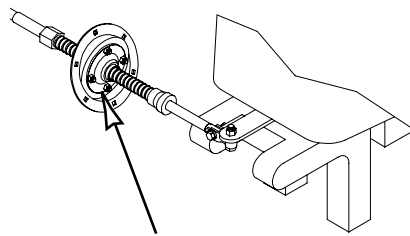


A single-cable, starboard drive push-pull mechanical cable system is shown in this diagram. If your mechanical system is different than the one depicted and/or you have any questions about mechanical steering after reviewing this guide, please contact Bainbridge.

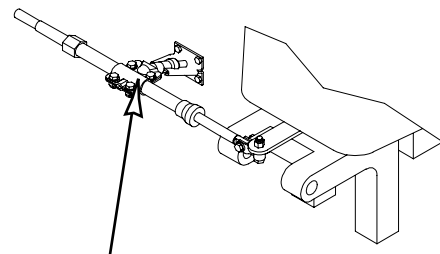
Cable routings (such as those found on pontoon boats) may vary from this drawing. Confirm length by laying a garden hose (or similar object) along cable path and measure run from wheel to engine connection point.



CABLE THROUGH ENGINE TILT TUBE



SPLASHWELL CABLE MOUNT



TRANSOM CABLE MOUNT (similar to stringer type)

# **SH8050 rotary steering system**



**TXSH8050**

**TX293945**

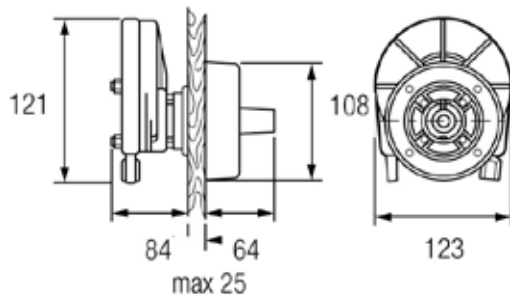
- ◆ Comfortable 2.6 turns lock to lock
- ◆ Compact size
- ◆ Minimum intrusion behind panel
- ◆ Damper externally adjustable
- ◆ Variable cable approach
- ◆ Replaces Compac-T and C230 helms
- ◆ Includes 90° bezels
- ◆ Suitable up to 53hp
- ◆ Standard 3/4" tapered steering shaft

## Helms

SH8050 Helm & Bezel Kit - **TXSH8050**

293945 Bezel Kit - **TX293945**

C230/31 older cable adaptor for use with SH850 helm  
**TX294094**



## Kits

- ◆ SH8050 helm, 90° bezel, steering cable and Champion steering wheel in a retail box

Length (ft)	Length (m)	Seastar Part No	No
7	2.13	SS138007	<b>TXSS138007</b>
8	2.43	SS138008	<b>TXSS138008</b>
9	2.73	SS138009	<b>TXSS138009</b>
10	3.03	SS138010	<b>TXSS138010</b>
11	3.33	SS138011	<b>TXSS138011</b>
12	3.64	SS138012	<b>TXSS138012</b>
13	3.93	SS138013	<b>TXSS138013</b>
14	4.24	SS138014	<b>TXSS138014</b>
15	4.55	SS138015	<b>TXSS138015</b>
16	4.85	SS138016	<b>TXSS138016</b>
17	5.15	SS138017	<b>TXSS138017</b>
18	5.45	SS138018	<b>TXSS138018</b>
19	5.76	SS138019	<b>TXSS138019</b>
20	6.06	SS138020	<b>TXSS138020</b>

## Steering Cables

- ◆ The cables below can be used as replacement for Morse cables 208777, 207909 & 264030 and Ultraflex M58 cable
- ◆ Steering Cable for SeaStar SH8050 & Ultraflex Compac-T, C230/231 Helms

Length 'Y' (ft)	Length (m)	Seastar Part No	No
7	2.13	SSC13107	<b>TXSSC13107</b>
8	2.43	SSC13108	<b>TXSSC13108</b>
9	2.73	SSC13109	<b>TXSSC13109</b>
10	3.03	SSC13110	<b>TXSSC13110</b>
11	3.33	SSC13111	<b>TXSSC13111</b>
12	3.64	SSC13112	<b>TXSSC13112</b>
13	3.93	SSC13113	<b>TXSSC13113</b>
14	4.24	SSC13114	<b>TXSSC13114</b>
15	4.55	SSC13115	<b>TXSSC13115</b>
16	4.85	SSC13116	<b>TXSSC13116</b>
17	5.15	SSC13117	<b>TXSSC13117</b>
18	5.45	SSC13118	<b>TXSSC13118</b>
19	5.76	SSC13119	<b>TXSSC13119</b>
20	6.06	SSC13120	<b>TXSSC13120</b>
21	6.36	SSC13121	<b>TXSSC13121</b>
22	6.67	SSC13122	<b>TXSSC13122</b>
23	6.97	SSC13123	<b>TXSSC13123</b>
24	7.27	SSC13124	<b>TXSSC13124</b>
25	7.58	SSC13125	<b>TXSSC13125</b>
26	7.92	SSC13126	<b>TXSSC13126</b>
27	8.23	SSC13127	<b>TXSSC13127</b>
28	8.53	SSC13128	<b>TXSSC13128</b>
29	8.84	SSC13129	<b>TXSSC13129</b>
30	9.14	SSC13130	<b>TXSSC13130</b>

Cables are only supplied in feet lengths. Over 30ft cable are supplied in 2ft increments. Longer lengths available to order.



Cable Length in feet

# ★ **Safe-T<sup>®</sup> QC rotary steering system**



- ◆ Traditional SeaStar Solutions mechanical steering is still the choice for sterndrives, inboards, outboards and other power assisted applications
- ◆ It's just right for power steered boats in which No FeedBack™ systems are not required
- ◆ Safe-T<sup>®</sup> QC offers the quick response of three-turn steering, and easy installation with a patented, no-tools-required cable connection at the helm

## Applications:

- ◆ Virtually all power-assisted sterndrive boats with wheels up to 16" diameter. Safe-T<sup>®</sup> QC replaces all SeaStar Solutions Safe-T helms made since 1968 with little or no dash modifications. (Requires use of SSC62 QC or SSC62 QC II steering cable.)
- ◆ For single station use only. Safe-T<sup>®</sup> QC accepts wheels up to 16" diameter

## Features:

- ◆ Quick-response of 3 turns lock-to-lock
- ◆ Kits include: cable, helm, 90° bezel and hardware
- ◆ Standard 3/4" round tapered steering shaft
- ◆ Stainless steel cable output ends
- ◆ Fast, easy installation: uses simple snap-in cable connection, SeaStar Solutions Quick Connect (QC) cable, and industry-standard Safe-T<sup>®</sup> mounting hardware
- ◆ Tilt option available
- ◆ Dual entry
- ◆ Upto 75bhp
- ◆ Meets ABYC standards
- ◆ Meets NMMA certification requirements
- ◆ Made, designed and assembled in the USA

## Helms

Description	Seastar Part No	No
Safe-T QC Helm	SH5094	<b>TXSH5094</b>
Safe-T QC Twin Helm	SH5294	<b>TXSH5294</b>
90° Black Bezel	SB27484	<b>TXSB27484</b>
20° Black Bezel	SB27483	<b>TXSB27483</b>

## Steering Cables

Length 'Y' (ft)	(m)	Seastar Part No	No
7	2.13	SSC6207P	<b>TXSSC6207</b>
8	2.43	SSC6208P	<b>TXSSC6208</b>
9	2.73	SSC6209P	<b>TXSSC6209</b>
10	3.03	SSC6210P	<b>TXSSC6210</b>
11	3.33	SSC6211P	<b>TXSSC6211</b>
12	3.64	SSC6212P	<b>TXSSC6212</b>
13	3.93	SSC6213P	<b>TXSSC6213</b>
14	4.24	SSC6214P	<b>TXSSC6214</b>
15	4.55	SSC6215P	<b>TXSSC6215</b>
16	4.85	SSC6216P	<b>TXSSC6216</b>
17	5.15	SSC6217P	<b>TXSSC6217</b>
18	5.45	SSC6218P	<b>TXSSC6218</b>
19	5.76	SSC6219P	<b>TXSSC6219</b>
20	6.06	SSC6220P	<b>TXSSC6220</b>
21	6.36	SSC6221P	<b>TXSSC6221</b>
22	6.67	SSC6222P	<b>TXSSC6222</b>
23	6.97	SSC6223P	<b>TXSSC6223</b>
24	7.27	SSC6224P	<b>TXSSC6224</b>
25	7.58	SSC6225P	<b>TXSSC6225</b>
26	7.92	SSC6226P	<b>TXSSC6226</b>
27	8.23	SSC6227P	<b>TXSSC6227</b>
28	8.53	SSC6228P	<b>TXSSC6228</b>
29	8.84	SSC6229P	<b>TXSSC6229</b>
30	9.14	SSC6230P	<b>TXSSC6230</b>
32	9.76	SSC6232P	<b>TXSSC6232</b>
34	10.36	SSC6234P	<b>TXSSC6234</b>
36	10.97	SSC6236P	<b>TXSSC6236</b>

Cables are only supplied in feet. Over 30ft cable are supplied in 2ft increments.





# **NFB™ Safe-T® rotary system**



- ◆ Major OEMs use SeaStar Solutions Safe-T® II, and so will your customers. It's the next generation of Safe-T®, the world's #1 rotary steering system – rugged, compact, lightweight, and with SeaStar Solutions No FeedBack technology. This ultra-smooth, 3-turn system takes the work out of steering most V-4 outboard powered boats. The Safe-T® II helm is a drop-in replacement for current generation Safe-T QC with no dash modifications
- ◆ With NFB fitted, steering loads are only felt when actively changing course. Mechanical NFB steering systems contain a patented clutch mechanism that engages when the wheel is not being turned and automatically disengages whenever it is turned providing the driver with improved comfort and control

## Applications:

- ◆ NFB Safe-T II single-cable systems are suitable for most single-station boats with a single non-power-assisted outboard engine up to V-4 and minimal engine flutter or steering instability. Safe-T® II accepts wheels up to 16" diameter. (NFB Safe-T® II is available in single cable configuration only). Replaces nearly all standard Safe-T® steering without dash modifications

## Features:

- ◆ Patented No FeedBack™ Steering mechanism
- ◆ Quick response of 3 turns lock-to-lock
- ◆ Minimal clutch free play
- ◆ Standard 3/4" round tapered steering shaft
- ◆ Stainless steel cable output ends
- ◆ Fast, easy installation: uses SeaStar Solutions Quick Connect (QC) cable
- ◆ Engine size up to V4
- ◆ Up to 100bhp
- ◆ Meets ABYC standards
- ◆ Meets NMMA certification requirements
- ◆ Made, designed and assembled in the USA

## Helms

Description	Seastar Part No	No
NFB Safe-T II Helm 3 Turns	SH5150	<b>TXSH5150</b>
90° Black Bezel	SB27150	<b>TXSB27150</b>
20° Black Bezel	SB27483	<b>TXSB27483</b>

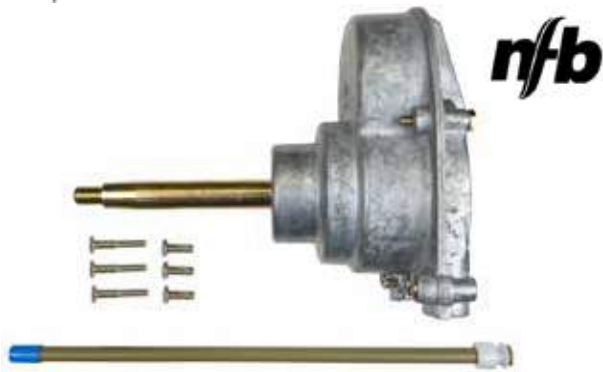
## Steering Cables

Length 'Y' (ft)	(m)	Seastar Part No	No
7	2.13	SSC6207P	<b>TXSSC6207</b>
8	2.43	SSC6208P	<b>TXSSC6208</b>
9	2.73	SSC6209P	<b>TXSSC6209</b>
10	3.03	SSC6210P	<b>TXSSC6210</b>
11	3.33	SSC6211P	<b>TXSSC6211</b>
12	3.64	SSC6212P	<b>TXSSC6212</b>
13	3.93	SSC6213P	<b>TXSSC6213</b>
14	4.24	SSC6214P	<b>TXSSC6214</b>
15	4.55	SSC6215P	<b>TXSSC6215</b>
16	4.85	SSC6216P	<b>TXSSC6216</b>
17	5.15	SSC6217P	<b>TXSSC6217</b>
18	5.45	SSC6218P	<b>TXSSC6218</b>
19	5.76	SSC6219P	<b>TXSSC6219</b>
20	6.06	SSC6220P	<b>TXSSC6220</b>
21	6.36	SSC6221P	<b>TXSSC6221</b>
22	6.67	SSC6222P	<b>TXSSC6222</b>
23	6.97	SSC6223P	<b>TXSSC6223</b>
24	7.27	SSC6224P	<b>TXSSC6224</b>
25	7.58	SSC6225P	<b>TXSSC6225</b>
26	7.92	SSC6226P	<b>TXSSC6226</b>
27	8.23	SSC6227P	<b>TXSSC6227</b>
28	8.53	SSC6228P	<b>TXSSC6228</b>
29	8.84	SSC6229P	<b>TXSSC6229</b>
30	9.14	SSC6230P	<b>TXSSC6230</b>
32	9.76	SSC6232P	<b>TXSSC6232</b>
34	10.36	SSC6234P	<b>TXSSC6234</b>
36	10.97	SSC6236P	<b>TXSSC6236</b>

Cables are only supplied in feet. Over 30ft cable are supplied in 2ft increments.



# **NFB™ 4.2 rotary system**



- ◆ Patented No FeedBack Steering Helm for about the cost of an old-fashioned steering replacement. With the advantage of 4.2 turns lock-to-lock and the patented No FeedBack steering to lock out steering loads, SeaStar Solutions' 4.2 Rotary NFB Steering is the ideal single-cable system for most non-power-steered boats. The helm is a drop-in replacement for current generation Safe-T® with no dash modifications required
- ◆ Similar to NFB Safe-T® II but with extra mechanical advantage and larger engine capability

## Applications:

- ◆ NFB 4.2 single-cable systems are suitable for most single-station boats with a single non-power-assisted outboard engine up to V-6 and minimal engine flutter or steering instability. 4.2 accepts wheels up to 16" diameter
- ◆ Replaces nearly all SeaStar Solutions Safe-T® steering systems without dash modification

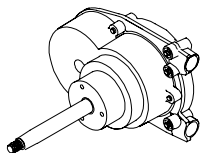
## Features:

- ◆ Patented No FeedBack™ Steering mechanism
- ◆ Comfortable 4.2 turns from lock-to-lock
- ◆ Minimal clutch free play
- ◆ Standard 3/4" round tapered steering shaft.
- ◆ Stainless steel cable output ends
- ◆ Fast, easy installation: uses SeaStar Solutions Quick Connect (QC) steering cable.
- ◆ Engine size up to V6
- ◆ Tilt option available
- ◆ Upto 150bhp
- ◆ Meets ABYC standards
- ◆ Meets NMMA certification requirements
- ◆ Made, designed and assembled in the USA

## Helms

Description	Seastar Part No	No
NFB Helm 4.2 Turns	SH4910	<b>TXSH4910</b>
90° Black Bezel	SB27150	<b>TXSB27150</b>
20° Black Bezel	SB27483	<b>TXSB27483</b>

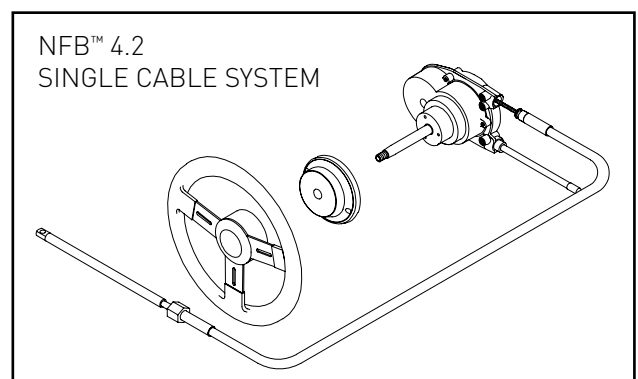
**TXSH4910**



## Steering Cables

Length 'Y'	Seastar	No
(ft)	Part No	
7	SSC6207P	<b>TXSSC6207</b>
8	SSC6208P	<b>TXSSC6208</b>
9	SSC6209P	<b>TXSSC6209</b>
10	SSC6210P	<b>TXSSC6210</b>
11	SSC6211P	<b>TXSSC6211</b>
12	SSC6212P	<b>TXSSC6212</b>
13	SSC6213P	<b>TXSSC6213</b>
14	SSC6214P	<b>TXSSC6214</b>
15	SSC6215P	<b>TXSSC6215</b>
16	SSC6216P	<b>TXSSC6216</b>
17	SSC6217P	<b>TXSSC6217</b>
18	SSC6218P	<b>TXSSC6218</b>
19	SSC6219P	<b>TXSSC6219</b>
20	SSC6220P	<b>TXSSC6220</b>
21	SSC6221P	<b>TXSSC6221</b>
22	SSC6222P	<b>TXSSC6222</b>
23	SSC6223P	<b>TXSSC6223</b>
24	SSC6224P	<b>TXSSC6224</b>
25	SSC6225P	<b>TXSSC6225</b>
26	SSC6226P	<b>TXSSC6226</b>
27	SSC6227P	<b>TXSSC6227</b>
28	SSC6228P	<b>TXSSC6228</b>
29	SSC6229P	<b>TXSSC6229</b>
30	SSC6230P	<b>TXSSC6230</b>
32	SSC6232P	<b>TXSSC6232</b>
34	SSC6234P	<b>TXSSC6234</b>
36	SSC6236P	<b>TXSSC6236</b>

Cables are only supplied in feet. Over 30ft cable are supplied in 2ft increments.



# **Connection Kits** *steering system*

**NOTE:** Parts shown on this page are available in kit form **ONLY**.



## **A** Splashwell Mount Kit

- ◆ 15°
- ◆ Corrosion resistant

**TXSA27253**

\*\*Not for through-transom use

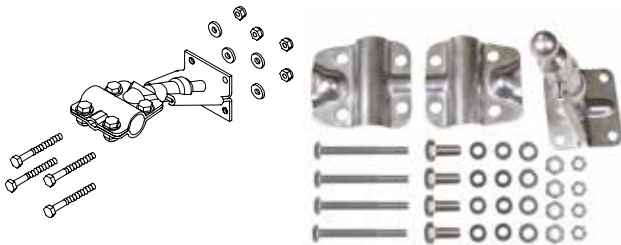


## **B** Splashwell Mount Kit

- ◆ 90°
- ◆ Corrosion resistant

**TXA27254**

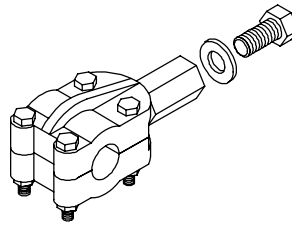
\*\*Not for through-transom use



## **D** Clamp Block - Outboard

- ◆ Corrosion resistant

**TXSA27055**



## **F** Clamp Block - Ski Boat Inboard

- ◆ 2-1/4" stand-off
- ◆ (Heavy duty with black metal flake finish)

**TXSA27578**



## **G** Support Tube

Aluminum - **TXSA27274**



## **H** Clevis Kit

- ◆ Stainless steel

With short bolt - **TXSA27314**



## **I** Rod End Kit (1/2-20 THD.)

Steel - **TXSA27276**

## PRODUCT RANGE CONTROLS



**KEY:**

- Standard
- Optional
- \* Optional for ski version, CH2200

### SINGLE FUNCTION



SERIES	NB	KB	SR	TWIN S	ST/STB	MJB
--------	----	----	----	--------	--------	-----

#### CONTROL FEATURES

START-IN-GEAR PROTECTION		○	○	○		
NEUTRAL INTERLOCK						
ENGINE WARM-UP PROVISION	•	•	•	•		•
ENGINE CUT-OFF SWITCH						
ADJUSTABLE THROTTLE BRAKE	•	•	•	•	○	•
TRIM & TILT SWITCH						
ADJUSTABLE TRAVEL STOPS	•	•	•	•		
MAX NUMBER OF ENGINES	1	1	1	1	1	1

#### CONTROL CABLES

33C/3300 UNIVERSAL TYPE	•	•	•	•	•	•
43 SERIES CABLES	•		○	○	•	
XTREME CABLES	○	○	○		○	○



## GENERAL CONTROL CABLES



CC230XX



CC332XX



CC179XX

Gen II type cable designed specifically to be used with mercury 4000 series controls.



CC189XX



CC205XX

3300/33C (1ft increments)	COLOUR	PART NO
Standard	Black	CC230XX
Midrange	Red	CC332XX
Mercury/Mercruiser (1ft increments)		
Standard (600A type)	Black	CC179XX
Standard (Gen II type)	Black	CC189XX
BRP-OMC-Johnson/Evinrude 1979 to date (1ft increments)		
Standard (479 type)	Black	CC205XX

XX = Length in feet



## DUAL FUNCTION



MT3 TOP

MT3 SINGLE

CH2200/  
CH2300

CH2600  
CH2700

MV3

CHX8000/  
CHX8500

CHX8300/  
CHX8800

CHX8100/  
CHX8600

CHX8200/  
CHX8700

I7700

•	•	•*	○	○	•	•	•	•	•
		•	•	•	•	•	○		•
•	•	•	•	•	•	•	•	•	•
				○	•	•			
		•	•		•	•	•	•	•
			○		○	○	○	○	•
2	1	1	1	1	1	1	1	2	2

•	•	•	•	•	•	•	•	•	○
	○			○					
○	○	○	○	○	○	○	○	○	○

## \*xtreme CONTROL CABLES



CCX633XX



CCX179XX



CCX630XX



CCX189XX



CCX205XX

## \*xtreme

Control cables are simply the best cable in the business. Patent-pending unique splined-core design gives you maximum performance with no lost motion. Recommended for long cable runs.

3300/33CC (1ft Increments)	COLOUR	PART NO
Premium (Universal)	Black	CCX633XX
<b>Mercury/Mercruiser (1ft increments)</b>		
Premium *xtreme (600A type)	Black	CCX179XX
Premium *xtreme (3600 type)	Black	CCX630XX
Premium *xtreme (Gen II type)	Black	CCX189XX
<b>BRP-OMC-Johnson/Evinrude (1ft increments)</b>		
Premium *xtreme (479 type)	Black	CCX205XX

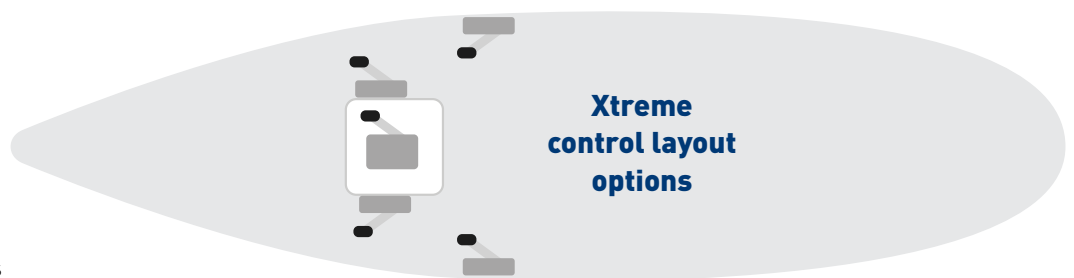
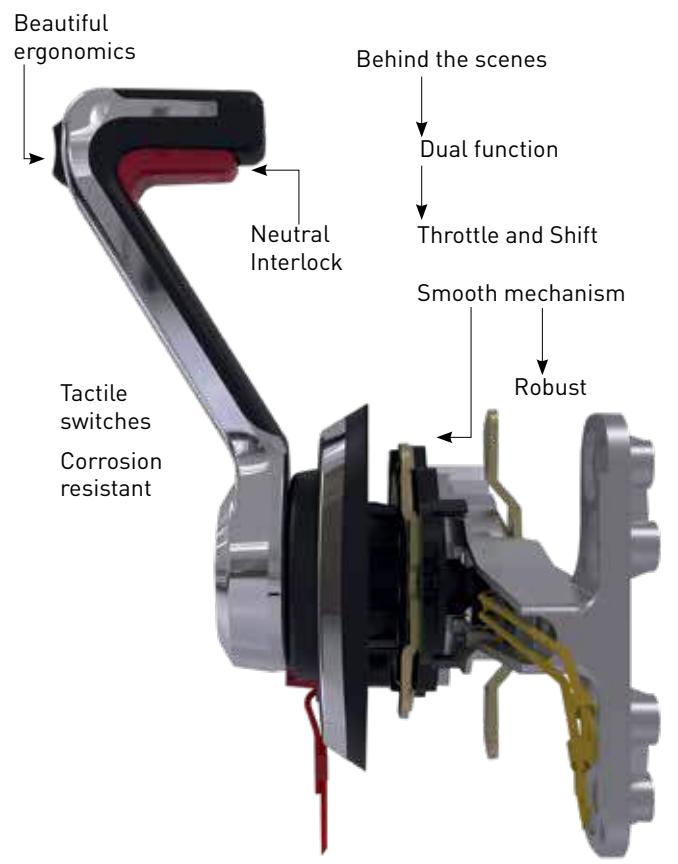
XX = Length in feet

# *xtreme dual function controls*



With all of the following advanced features - incredibly smooth and positive actuation, ergonomically designed handles, common cable application and total flexibility of location make Xtreme Controls an ideal choice.

- ◆ Lever/handle updated for aesthetics, ergonomics, and improved durability
- ◆ Multitude of control configurations to suit all boating types
- ◆ Minimal changes to mounting scheme or cable nesting from Osprey or SL-3
- ◆ Superior feel and function for most outboards, stern drives & inboards
- ◆ Dual function lever controls both throttle and shift of one engine
- ◆ Neutral interlock and start-in-gear protection (standard) for side mount controls
- ◆ Optional Trim in the handle
- ◆ Neutral engine warm-up feature (standard)
- ◆ Optional tilt switch available
- ◆ Standard lanyard-style cut-off switch for emergency engine shut down for side mount controls
- ◆ Friction adjustment feature include
- ◆ "Easy-On" cable design accepts virtually every type of OEM and 3300/33C tyle cable
- ◆ Easily adapted to push or pull cable actuation mode
- ◆ Mechanical advantage 2.38:1
- ◆ Meets/exceeds all applicable standards





## Xtreme Side Mount

- ◆ XTREME side mount controls are the most sure handling and comfortable you can buy. The shapely, balanced grip provides a very smooth yet solid feel. This side mount control is designed for Starboard (right side) gunwale mounting only. These controls come with the standard features of neutral safety switch, neutral lock out, neutral warm up and the safety stop switch with lanyard. You can also get the optional trim switch (most outboards) or trim and tilt (most stern drives). These controls can not only use the 3300/33C style control cables, they can also use Mercury style cables from 1965 to date, including the Gen II, OMC/Johnson/Evinrude/BRP control cables from 1979 to date. This makes it one of the most desirable replacement controls in the market today.

### Applications:

- ◆ Dual-function control — one lever controls throttle AND shift. For nearly any engine.

### Features:

- ◆ Superior feel and function for most outboards, stern drives & inboards.
- ◆ Dual function lever controls both throttle and shift of one engine.
- ◆ Neutral interlock and start-in-gear protection (standard).
- ◆ Optional Trim in the handle.
- ◆ Neutral engine warm-up feature (standard).
- ◆ Optional tilt switch available.
- ◆ Standard lanyard-style cut-off switch for emergency engine shutdown.
- ◆ Friction adjustment feature included.
- ◆ "Easy-On" cable design accepts virtually every type of OEM and 3300/33C type cable.
- ◆ Easily adapted to push or pull cable actuation mode.
- ◆ Mechanical advantage 2.38:1.
- ◆ Meets/exceeds all applicable standards.
- ◆ Made in the U.S.A.

Description	Seastar Part No	No
Chrome with kill switch	CHX8050P	<b>TXCHX8050P</b>
Chrome with kill switch and trim	CHX8051P	<b>TXCHX8051P</b>
Chrome with kill switch and trim + tilt	CHX8052P	<b>TXCHX8052P</b>
Black with kill switch	CHX8550P	<b>TXCHX8550P</b>
Black with kill switch and trim	CHX8551P	<b>TXCHX8551P</b>
Black with kill switch and trim + tilt	CHX8552P	<b>TXCHX8552P</b>
Black	CHX8553P	<b>TXCHX8553P</b>
Black with trim	CHX8554P	<b>TXCHX8554P</b>
Black with and trim + tilt	CHX8555P	<b>TXCHX8555P</b>

NOTE: When properly installed, these engine controls will connect to outboard, stern drive and inboard engines, Utilising Mercury/Mariner® and OMC® OEM type control cables as well as universal 3300/33C type cables and engine connection kits.





# *xtreme dual function controls*



NOTE: When properly installed, these engine controls will connect to outboard, stern drive and inboard engines, Utilising Mercury/Mariner® and OMC® OEM type control cables as well as universal 3300/33C type cables and engine connection kits.

## Xtreme Centre Console

- ◆ The ergonomics and features of Xtreme controls are advanced beyond those of any other control on the market. A shapely, balanced handle design provides an incredibly smooth yet positive feel. Neutral interlock, throttle warm-up, and start-in-gear protection features are standard, with power trim/tilt, emergency cut off switches offered as an option. In addition, the cosmetics of these controls can be configured to suit many tastes on centre console or port side mounted boats.
- ◆ Xtreme centre console controls are suitable for use with both 3300/33C universal or OEM type control cables without adaptation at the control.

### Applications:

- ◆ Dual-function control — one lever controls throttle AND shift. For nearly any engine.

### Features:

- ◆ Superior feel and function for most outboards, stern drives & inboards.
- ◆ Dual function lever controls both throttle and shift of one engine.
- ◆ Neutral safety offers start-in-gear protection
- ◆ Optional Trim in the handle for each model.
- ◆ Neutral engine warm-up feature (standard).
- ◆ Optional tilt switch available.
- ◆ Friction adjustment feature included.
- ◆ "Easy-On" cable design accepts virtually every type of OEM and 3300/33C type cable.
- ◆ Easily adapted to push or pull cable actuation mode.
- ◆ Mechanical advantage 2.38:1
- ◆ Meets/exceeds all applicable standards.
- ◆ Made in the U.S.A.

Description	Seastar Part No	No
Chrome with kill switch	CHX8350P	<b>TXCHX8350P</b>
Chrome with kill switch and trim	CHX8351P	<b>TXCHX8351P</b>
Chrome with kill switch and trim + tilt	CHX8352P	<b>TXCHX8352P</b>
Black with kill switch	CHX8850P	<b>TXCHX8850P</b>
Black with kill switch and trim	CHX8851P	<b>TXCHX8851P</b>
Black with kill switch and trim + tilt	CHX8852P	<b>TXCHX8852P</b>







## Xtreme Top Mount

- ◆ Xtreme top mount controls offer options that most top mount controls in the market do not. Options include trim (most outboards), trim and tilt (most stern drives) or the neutral lock out button. The lock out button is great for centre console boats where there is a possibility the control can be bumped while passing by knocking it into gear. The standard items on these controls are the shapely and balanced hand grip that gives you a very smooth yet solid feel, the neutral safety switch, and the neutral warm up button. These controls can not only use the 3300/33C style control cables they can also use Mercury style cables from 1965 to date including the Gen II, OMC/Johnson/Evinrude/BRP control cables from 1979 to date. This makes it one of the most desirable replacement controls in the market today.

### Applications:

- ◆ Dual-function control — one lever controls throttle AND shift. For nearly any engine.

### Features:

- ◆ Superior feel and function for most outboards, stern drives & inboards.
- ◆ Dual function lever controls both throttle and shift of one engine.
- ◆ Neutral safety offers start-in-gear protection (standard).
- ◆ Optional Trim in the handle for each model.
- ◆ Neutral engine warm-up feature (standard).
- ◆ Optional tilt switch available.
- ◆ Friction adjustment feature included.
- ◆ "Easy-On" cable design accepts virtually every type of OEM and 3300/33C type cable.
- ◆ Easily adapted to push or pull cable actuation mode.
- ◆ Mechanical advantage 2.38:1.
- ◆ Meets/exceeds all applicable standards.
- ◆ Made in the U.S.A.

Description	Seastar Part No	No
Chrome	CHX8140P	<b>TXCHX8140P</b>
Chrome with trim	CHX8141P	<b>TXCHX8141P</b>
Chrome with trim and tilt	CHX8142P	<b>TXCHX8142P</b>
Chrome with neutral interlock switch	CHX8150P	<b>TXCHX8150P</b>
Chrome with neutral interlock and trim	CHX8151P	<b>TXCHX8151P</b>
Chrome with neutral interlock and trim + tilt	CHX8152P	<b>TXCHX8152P</b>
Black	CHX8640P	<b>TXCHX8640P</b>
Black with trim	CHX8641P	<b>TXCHX8641P</b>
Black with and trim + tilt	CHX8642P	<b>TXCHX8642P</b>
Black with neutral interlock	CHX8650P	<b>TXCHX8650P</b>
Black with neutral interlock and trim	CHX8651P	<b>TXCHX8651P</b>
Black with neutral interlock and trim + tilt	CHX8652P	<b>TXCHX8652P</b>

NOTE: When properly installed, these engine controls will connect to outboard, stern drive and inboard engines, Utilising Mercury/Mariner® and OMC® OEM type control cables as well as universal 3300/33C type cables and engine connection kits.



# *xtreme dual function controls*



## Xtreme Dual Top Mount

- ◆ The ergonomics and features of our controls are the most advanced available and are suitable for most types of boat with dual engine applications. The shapely, balanced handle provides a very comfortable feel and the state of the art mechanism guarantees a smooth yet solid action, assuring you have maximum control at all times. This control is designed for twin engine applications. XTREME dual top mount controls are suitable for use with both universal type (3300) or OEM type control cables without the need for adaptation.
- ◆ These controls not only use the 3300/33C style control cables they can also use Mercury style cables from 1965 to date including the Gen II, OMC/Johnson/Evinrude/BRP control cables from 1979 to date. This makes it one of the most desirable replacement controls in the market today.

### Applications:

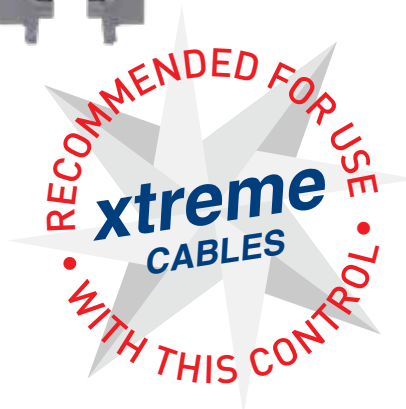
- ◆ Dual-function control — one lever controls throttle AND shift. For nearly any engine.

### Features:

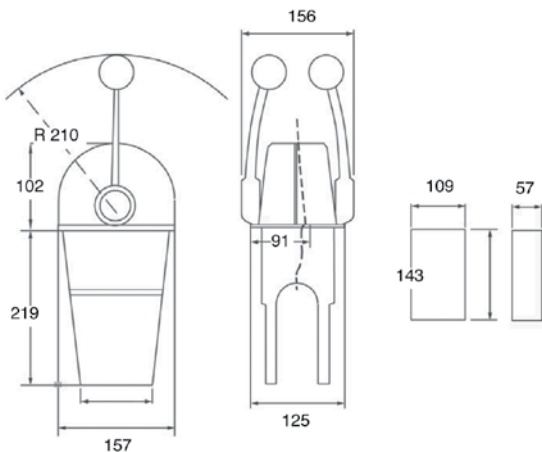
- ◆ Superior feel and function for most outboards, stern drives and inboards.
- ◆ All controls include start in gear protection.
- ◆ Designed for use with both universal and OEM shift and throttle cable connections.
- ◆ Suitable for most boat/dual engine combinations.
- ◆ Dual action levers (throttle and shift control in each handle).
- ◆ Trim, Tilt, options available.
- ◆ Drag adjustment on all models.
- ◆ Easy installation and set up.
- ◆ Throttle friction adjustment is included for each handle.

Description	Seastar Part No	No
Chrome	CHX8240P	<b>TXCHX8240P</b>
Chrome with trim	CHX8241P	<b>TXCHX8241P</b>
Chrome with trim and tilt	CHX8242P	<b>TXCHX8242P</b>
Black	CHX8740P	<b>TXCHX8740P</b>
Black with trim	CHX8741P	<b>TXCHX8741P</b>
Black with trim and tilt	CHX8742P	<b>TXCHX8742P</b>
Neutral safety switch	051801-033	<b>TX051801033</b>

NOTE: When properly installed, these engine controls will connect to outboard, stern drive and inboard engines, Utilising Mercury/Mariner® and OMC® OEM type control cables as well as universal 3300/33C type cables and engine connection kits.



# **mt-3 dual function controls**



## Mt-3 Dual Top Mount

- ◆ Ideal for inboards, stern drives and outboards, MT-3 combines classic binnacle control styling with dual function levers, a neutral safety switch and an engine warm-up feature! Control throttle and shift with one lever instead of two. MT-3 Twin can control two engines using the 3300/33C cables.

### Applications:

- ◆ Dual-function control — each lever controls throttle AND shift. Great for single station inboards stern drives and outboards, single or dual engine. Perfect for applications in which a binnacle control appearance is desired, but one-lever throttle/shift control is preferred. Also a great choice when space is at a premium. This control uses 3300/33C type cables (single and dual lever) and 4300/43 type cables (single lever version only). Not suitable for use with Mercury® and OMC® OEM type control cables.

### Features:

- ◆ Binnacle styling with the advanced features of a dual-function control: one-handle engine control, neutral warm-up.
- ◆ Neutral safety switch to help prevent starting in gear
- ◆ Mechanical advantage - shift 2.77:1/throttle 3.57:1.
- ◆ Can be used in a dual station application with DS unit.
- ◆ Meets/exceeds all applicable industry standards.

Description	Seastar Part No	No
Single Lever: pull shift/throttle, MT-3 Single (old No. 308731, 309077)	CH5330P	<b>TXCH5330P</b>
Twin Lever: pull shift/throttle, MT-3 twin (old No. 308732, 309078)	CH5320P	<b>TXCH5320P</b>
Optional neutral safety switch	305499	<b>TX305499</b>
Hand lever	032778-002	<b>TX032778-002</b>
Chrome side plate, MT-3	308598-001	<b>TX308598-001</b>
Ball knob, red	4009912	<b>TX035232-001</b>
Ball knob, black	035232-004	<b>TX035232-004</b>
SS knob (red-grooved)	CA69052P	<b>TX CA69052</b>
Hardware kit single lever	308599	<b>TX308599</b>
Hardware kit twin lever	308727	<b>TX308727</b>
43 Cable heavy duty connection kit (Must be used when connecting a 4300/43CC or 4300/43BC cable to the control. 43 series cables can only be used with the single-lever model.)	308742	<b>TX308742</b>
Black pivot - gear cable	304919	<b>TX304919</b>
Red pivot - throttle cable	300646	<b>TX300646</b>
FWD-NET-REV decal	038853	<b>TX038853</b>
Drive gear bearing	032786	<b>TX032786</b>
SS 33C cable clamp	032010	<b>TX032010</b>

NOTE: 4300/43 type cables cannot to be used on MT-3 Twin, as interference will occur.

# ★ 700 series dual function controls

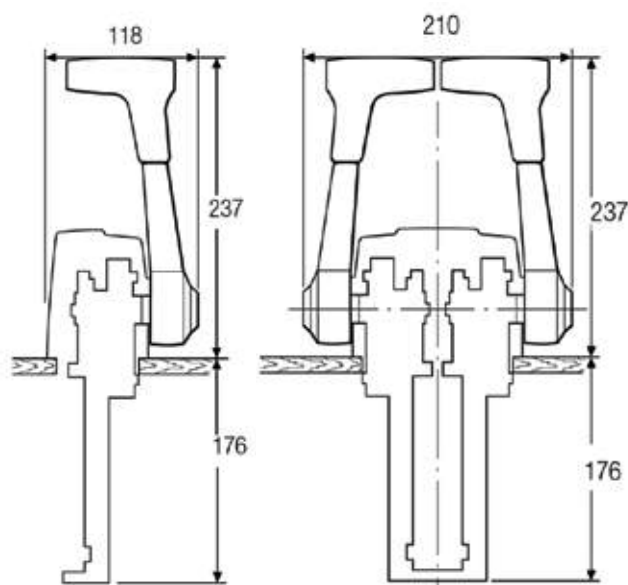


## 700 Top Mount Controls

- ◆ Top mount controls suitable for applications with single/twin engines - single/twin lever. When used with the DS unit, they can also be coupled to offer two different helm stations. With more than 1 million sold worldwide this dual action control is one of the worlds most popular controls. Available with trim and tilt and/or neutral interlock.
- ◆ Suits 3300/33C control cables.

### Features:

- ◆ Top mounted single or twin engine control
- ◆ For power boats with one inboard, I/O or outboard engine with one or two helm stations
- ◆ Single dual action lever
- ◆ Available with power trim, neutral lever interlock or Power trim and neutral lever interlock
- ◆ Standard control suits 3300/33C control cables
- ◆ Neutral "warm up" button for throttle only operation



Description	Seastar Part No	No
Single lever 700TS top mount	172107	<b>TX172107</b>
Single lever 700TST top mount with power trim	172135	<b>TX172135</b>
Twin lever 700TD top mount	172109	<b>TX172109</b>
Twin lever 700TDT top mount with power trim	172149	<b>TX172149</b>
Neutral safety switch	178000	<b>TX178000</b>





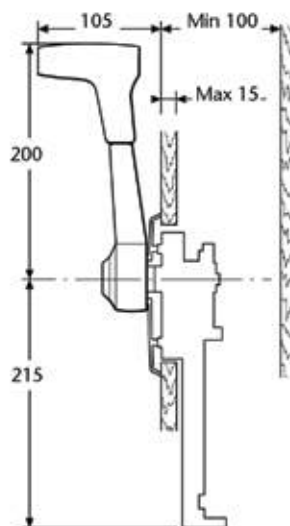
### 700 Motor Boat Side Mount Control

- ◆ Side mount control suitable for power boats with single engines and one or two helm stations. More than 1 million sold worldwide. Dual action design available with trim and tilt and/or neutral interlock.
- ◆ Suits 33C type cables.

#### Features:

- ◆ Flush mounted single lever control
- ◆ Single dual action lever
- ◆ Available with power trim
- ◆ Standard control suits 33C type cables
- ◆ Neutral "warm up" button for throttle only operation

Description	Seastar Part No	No
Single lever 700SM side mount	172105	<b>TX172105</b>
Single lever 700SMT side mount with power trim	172133	<b>TX172133</b>
Neutral safety switch	178000	<b>TX178000</b>



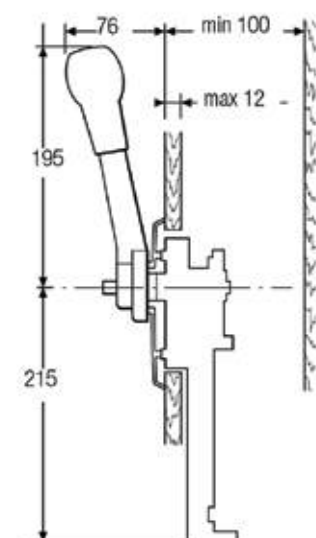
### 700 Sail Boat Side Mount Control

- ◆ Dual action side mount control designed for sail boats. More than 1 million sold worldwide. This control is the first choice of all premium sail boat manufactures. Suits 33C type cables.

#### Features:

- ◆ Dual action (throttle and shift in one lever).
- ◆ Heavy duty lever in black polyester powder coated finish.
- ◆ Flush mount design.
- ◆ Neutral safety switch option (prevents starting in gear).
- ◆ Standard control suits 33C type cables.
- ◆ Neutral "warm up" button for throttle only operation.

Description	Seastar Part No	No
Single lever 700SS side mount	172103	<b>TX172103</b>
Neutral safety switch	178000	<b>TX178000</b>
Replacement lever	007380	<b>TX007380</b>
Replacement red button	000094	<b>TX000094</b>
Replacement cover	003099	<b>TX003099</b>



# ✦ 700 series dual function controls

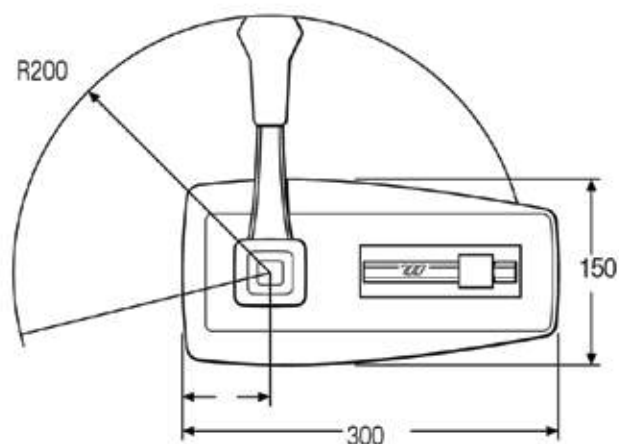


## 700 Surface Mount Controls

- ◆ Single engine surface mount control for powerboats. More than 1 million sold worldwide. Dual action design available with trim and tilt and/or neutral interlock. Suits 33C type cables.

### Features:

- ◆ Surface mounted dual action single lever control
- ◆ For power boats with outboard motors
- ◆ Available with power trim
- ◆ Optional neutral safety switch
- ◆ Standard control suits 33C type cables
- ◆ Neutral "warm up" button for throttle only operation



Description	Seastar Part No	No
Single lever 700SO side mount - less than 25hp	172100	<b>TX172100</b>
Single lever 700SO side mount - more than 25hp	172101	<b>TX172101</b>
Single lever 700SOT side mount - more than 25hp with power trim	172131	<b>TX172131</b>
Neutral safety switch	178000	<b>TX178000</b>
B700B mechanism only - for TX172101 only	172152	<b>TX172152</b>



# ★ CH2800/50 dual function controls

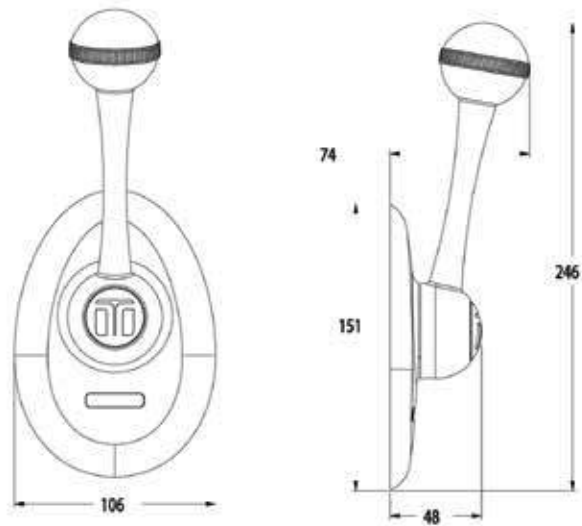


## CH2800 & CH2850 Side Mount Controls

- ◆ CH2800 features unique twistgrip switch for control of Bow thruster or windlass. Designed for steering pedestal or cockpit well mounting. Polished stainless steel lever. Dual action design. Suits 33C type cables.

### Features:

- ◆ Stainless Steel lever / Composite knob.
- ◆ Momentary switch to control Bow Thruster or Windlass.
- ◆ Suitable for power or sail.
- ◆ Can be mounted with or without cover plate.
- ◆ Drop in replacement for popular 700 SS control.
- ◆ Standard control suits 33C type cables.
- ◆ Neutral "warm up" button for throttle only operation.



Description	Seastar Part No	No
Side mount with twistgrip switch	CH2800	<b>TXCH2800</b>
Side mount	CH2850	<b>TXCH2850</b>
Neutral safety switch	178000	<b>TX178000</b>
CH2850 service kit includes: top knob, O-Ring, screw, centre neutral warm up button	CA76251P	<b>TXCA76251P</b>
Replacement lever for CH2850	009641	<b>TX009641</b>
Replacement warm up button for CH2800 and CH2850	009607	<b>TX009607</b>



# **mv-3** dual function controls



## MV-3 Series

- ◆ The MV-3 offers style and incredible versatility in a dual-function, single-lever control. Several models are offered for outboards, stern drives, inboards, ski boats and jet boats, including versions with a lanyard-type emergency cut-off switch.

### Applications:

- ◆ Dual-function control — the lever controls throttle AND shift. Ideal for many outboards, stern drives and inboards, with specialised versions for ski and jet boats. Single lever, dual action units control throttle and shift with one lever, using 3300/33C or 4300 type control cables. Not suitable for use with Mercury® and OMC® OEM type control cables.

### Features:

- ◆ Specially styled for today's integrated cockpit.
- ◆ Fits most popular outboards, inboards and stern drives.
- ◆ Emergency cut-off feature available.
- ◆ Crisp, positive detents.
- ◆ Pullout clutch disengagement feature for engine warm-up with automatic disengagement.
- ◆ Neutral interlock feature to prevent accidental shifting.
- ◆ Mechanical advantage - Shift 2.9:1 / Throttle 3.20:1.
- ◆ Uses 3300 and 4300 type cables.
- ◆ Can be used for Berkeley Jet (with 4300 type cables) and Mercury 175 HP Sport Jet (with special cable).
- ◆ Meets/exceeds all applicable industry standards.

Description	Seastar Part No	No
MV-3 Competition Ski Boat, right hand Orientation, forward cable entry (old No. 311335)	CH2900P	<b>TXCH2900</b>
MV-3 Competition Ski Boat with I/O cut-off switch, forward cable entry (old No. 311335-001)	CH2910P	<b>TXCH2910</b>
MV-3 Standard for Outboard, stern drive or inboard, MV-3 standard control, right hand orientation, AFT cable entry, Neutral Safety Switch (Old No. 311364)	CH2920P	<b>TXCH2920</b>
Ball Knob, Black	4009819	<b>TX4009819</b>



# **CH22/2300 dual function controls**



## CH2200 Ski Boat & CH2300 Jet Boat

- ◆ Considered the best by boat builders, these controls feature superior styling, a compact design, positive lockout and smoothest feel available — and they're standard equipment on ski and jet boats. The ski boat unit includes superior neutral warm-up action, while the jet boat version features a waterproof neutral safety switch.

### Applications:

- ◆ Dual-function control — each lever controls throttle AND shift. Ski version: inboard ski boats and other single station craft requiring super smooth, precise throttle control. Jet version: jet boats powered by Mercury® Sport Jet 90 & early 120, OMC® Turbo Jet, or similar propulsion systems. Single lever, dual action design controls both throttle and shift with one lever using 3300/33C type cables.

### Features:

- ◆ Single lever, dual action for throttle & shift.
- ◆ Superior neutral engine warm-up control (ski version).
- ◆ Flush mount design for quick, tidy installation.
- ◆ Includes hardware for two 3300/33C type cables.
- ◆ Crisp shifting ball grip for a solid, sure feel.
- ◆ Neutral safety switches are standard on the CH2300P and optional on the CH2200P.
- ◆ Meets/exceeds all applicable industry standards.

Please note that while the CH2200P and CH2300P are similar in appearance, they have different neutral safety switches and internal mechanisms.

They are NOT interchangeable. Do not substitute CH2200P for CH2300P or vice-versa.

Description	Seastar Part	
	No	No
Ski Boat Control single lever, dual action	CH2200	<b>TXCH2200</b>
Side Mount CH2200 electronic control	CH2200ENCP	<b>CH2200ENCP</b>
Jet Boat Control single lever, dual action	CH2300P	<b>TXCH2300</b>
Jet Boat Control - restricted cam, single lever, dual action	CH2305P	<b>TXCH2305</b>
Neutral safety switch for CH2300P	CA27100P	<b>TXCA27100</b>
Stainless Steel Knob (red-grooved)	CA69052P	<b>TXCA69052</b>
Stainless Steel Knob (smooth)	CA69051P	<b>TXCA69051</b>
Cable Connection Kit	190008	<b>TX190008</b>

# ✦ S Type single function controls



## CH5210 Single & CH5200 Twin

- ◆ This classic control is great for inboards, single or dual station. The time-proven design of Twin S means years of reliable operation. Accepts universal control cables. Optional lever extension, detent kits and neutral safety switch available. Additional hardware is required for twin station use.

### Applications:

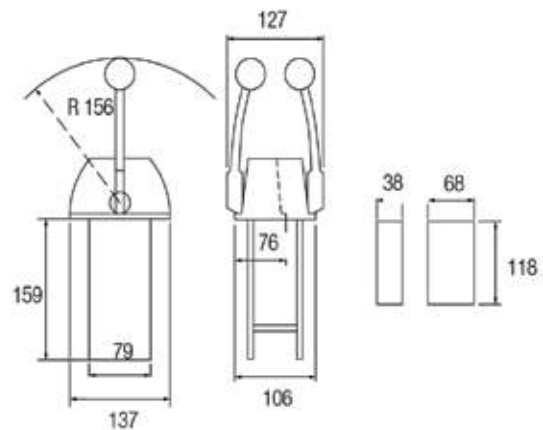
- ◆ Single-function control — each lever controls throttle OR shift. Ideal for inboards, stern drives and outboards. The S controls are suitable for single or dual station use. These single function engine controls are available in both one or two-lever models. Both S controls use 3300/33C and 4300 type cables. Not suitable for use with Mercury® and OMC® OEM type control cables. 4300 cables require the additional 40 series hardware kit.

### Features:

- ◆ Highly polished stainless steel cover.
- ◆ Simple, rugged, compact design.
- ◆ Easily adjustable throttle friction and shift detent feel.
- ◆ Optional neutral safety switch to prevent starting in gear.
- ◆ Optional hand lever extension.
- ◆ Optional shift detent kit (if used in dual stations; use on main station only).
- ◆ Option throttle hold kit.
- ◆ Uses 3300/33C and 4300 type cables.
- ◆ Mechanical advantage - shift 2.77:1/throttle 2.77:1.
- ◆ Meets/exceeds all applicable industry standards.
- ◆ SeaStar Solutions recommends using **✦xtreme** cables with this control.

### Options:

- ◆ The Dual Station Transfer Unit from SeaStar Solutions is recommended where long or difficult cable paths make parallel installations costly and/or difficult. When single function two lever controls are used in a parallel, dual station application, some installations may cause the clutch or throttle levers to operate "stiff". Adding a transfer unit can improve control performance in these cases.



Description	Seastar Part No	No
Control Twin S (Top Mount)	CH5200P	<b>TXCH5200</b>
Control Single S (Top Mount)	CH5210P	<b>TXCH5210</b>
Clutch Detent Kit S and Twin S	22328	<b>TX022328</b>
Conversion Kit S and S to HD	42152	<b>TX042152</b>
Housing Replacement Kit for Twin	CA67865P	<b>TXCA67865P</b>
Bearing & Hardware Kit for Twin	CA67869P	<b>TXCA67869P</b>
In-Series Dual Station Kit, 3300/33C (2 required for twin)	039489-002	<b>TX 039489-002</b>
In-Series Dual Station Kit, 30 Series (2 required for twin)	039490-002	<b>TX039490-002</b>
In-Series Dual Station Kit, 40 Series (2 required for twin)	042152	<b>TX042152</b>
Neutral Safety Switch Kit	047307	<b>TX047307</b>
Throttle Hold Kit (one per lever, prevents throttle creep)	306997	<b>TX306997</b>
Ball Knob, Red	035232-001	<b>TX035232-001</b>
Ball Knob, Black	035232-004	<b>TX035232-004</b>
SS Throttle Knob (grooved)	CA69052P**	<b>TXCA69052</b>
SS Shift Knob (smooth)	CA69051P**	<b>TXCA69051P</b>
Cable Mounting Hardware Kit 3300, Twin	061001	<b>TX061001</b>

\*\* Fits most controls with 3/8-24 threaded levers.

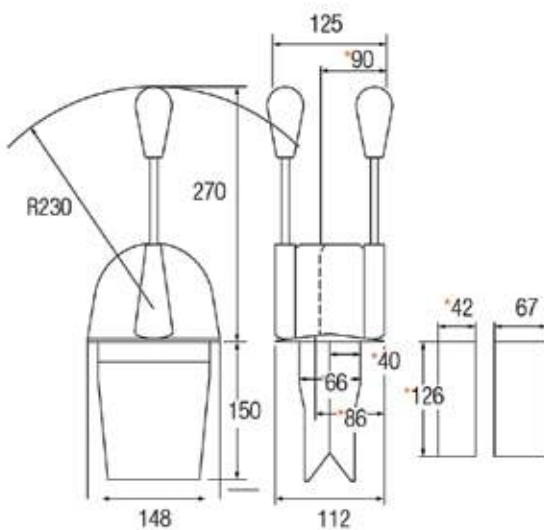


# **NB/KB** single function controls



## NB Single Function, Single or Twin

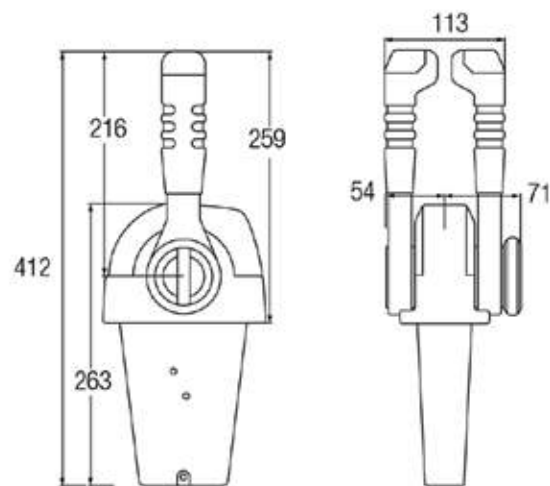
- ◆ Top mount, heavy duty control.
- ◆ Each control is supplied for a specific purpose be it throttle control or gear selection.
- ◆ The NB throttle control has a positive damper which is applied by twisting the lever when the desired setting has been reached.
- ◆ Use with 33C type cables (will also accept 43C cables).



\* Dimensions for NB single

## KB Single Function, Single or Twin

- ◆ Top mount control ideal for use with diesel engines equipped with hydraulic transmissions or clutch units.
- ◆ KB controls are available with two levers for throttle and gear operation. Neutral switch, interlock and dual station kits are available as optional extras.
- ◆ Suitable for use in exposed positions.
- ◆ Adjustable throttle brake and cable stops.
- ◆ Use with 33C type cables.



Description	Seastar Part No	
	No	No
NB Single Control (D303028) Throttle Only	NB0124-00	<b>TXNB0124-00</b>
NB Single Control (D303102) Shift Only	NB0125-00	<b>TXNB0125-00</b>
NB Twin Control Both Throttle	NB0233-00	<b>TXNB0233-00</b>
NB Twin Control (D303029)	NB0239-00	<b>TXNB0239-00</b>
43C fitting kit	-	<b>TXNB0100-P05</b>
33C Fitting Kit	-	<b>TXNB0100-P03</b>

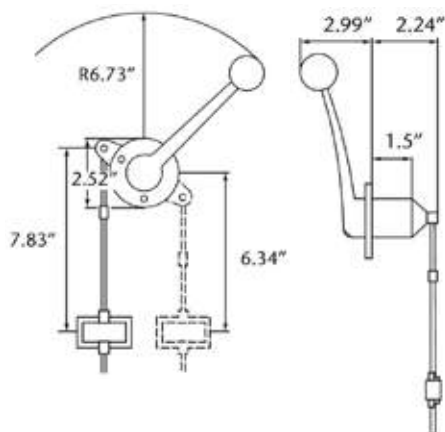
Description	Seastar Part No	
	No	No
KB Twin Control Standard -211800	NB0801-00	<b>TXNB0801-00</b>
KB Twin Control/Both Throttle	NB0810-00	<b>TXNB0810-00</b>
KB Control Neutral S/ Switch Kit	NB0715-00	<b>TXNB0715-00</b>



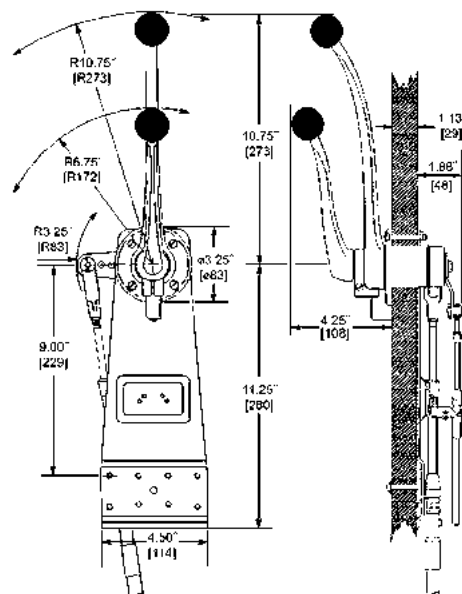
# **STB/MJB** single function controls



**ADJUSTABLE  
THROTTLE  
FRICTION**



**ADJUSTABLE  
DETENT FEEL**



**ADJUSTABLE  
THROTTLE FRICTION**

## STB - CH2410P

- ◆ STB is economical and durable - a simple, classic design. Single-function lever moves one cable only.

### Applications:

- ◆ Single-function control — The lever controls throttle OR shift. The STB control includes a throttle brake and can shift Berkeley® or similar type jets when a foot throttle is used. ST/STB controls are for single-station use only and are not suitable for use with Mercury® and OMC® OEM type control cables.

### Features:

- ◆ Compact, rugged with classic traditional styling.
- ◆ Durable heavy chrome finish.
- ◆ Uses 3300/33C or 4300/43C type cables.
- ◆ Mechanical advantage - 3.20:1.

Description	Seastar Part No	No
STB with external throttle friction (old No. 044777 or 045978)	CH2410P	<b>TXCH2410P</b>
Hand lever assembly, chrome	031046-002	<b>TX031046-002</b>
Ball knob, black (replaces 035232-044)	4009819**	<b>TX4009819</b>
SS shift knob (smooth)	CA69051P**	<b>TXCA69051P</b>
Throttle cable brake (goes on cable)	044386	<b>TX044386</b>

## MJB - CH2500P

- ◆ The MJB control is ideal for sailboats and inboards with hard to shift transmissions. An extra long shift handle provides ample leverage. The shorter handle controls the throttle.

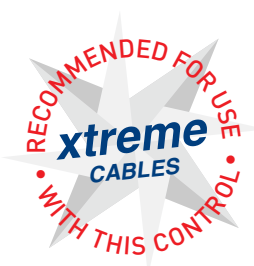
### Applications:

- ◆ Single-function two-lever control. A great choice for inboards, stern drives, sailboats and Berkeley® or similar type jets. For single-station use only and are not suitable for use with Mercury® and OMC® OEM type control cables.

### Features:

- ◆ Compact, rugged design and classic traditional styling.
- ◆ Long shift lever for optimal leverage of hard-to-shift transmissions.
- ◆ Accepts 3300/33C type cables for throttle and 6400/64 type cables for shift only.
- ◆ Durable heavy chrome finish.
- ◆ External brake for throttle friction adjustment.
- ◆ Has detent for positive neutral feel.
- ◆ Right or left hand installation.
- ◆ Mechanical advantage - Shift 3.63:1, Throttle 3.20:1.

Description	Seastar Part No	No
MJB control (old No. 044716-001)	CH2500P	<b>TXCH2500</b>
Hand lever assembly, chrome	031046-002	<b>TX031046-002</b>
Ball knob, red	035232-001**	<b>TX035232-001</b>
Ball knob, black (replaces 035232-044)	035232-004**	<b>TX035232-004</b>
SS throttle knob (grooved)	CA69052P**	<b>TXCA69052P</b>
SS shift knob (smooth)	CA69051P**	<b>TXCA69051P</b>





# ★ D2/DC single function controls



## DC Control - Single Function Bulkhead/Panel Mounting

- ◆ Covers a standard 3300/33C cable into a utility push/pull control.
- ◆ Install through a panel, or mount neary anywhere with optional bulkhead bracket TX048210



TX048210

## D2 Heavy Duty Rotary Control

- ◆ Unique heavy duty rotary operation.
- ◆ 6" of travel available.
- ◆ Ideal for use on old mechanical type gearboxes.
- ◆ Uses unique UD617 cable with 5 – 16 UNF stainless steel rod end

Description	Seastar Part No	No
D2 heavy duty rotary control	D0002	<b>TXD0002</b>
Replacement control hub	203688	<b>TX203688</b>

Description	Seastar Part No	No
DC single function control	301916	<b>TX301916</b>
Stop cable bulkhead bracket (as DC control bracket)	48210	<b>TX048210</b>
Stop collar	37693	<b>TX037693</b>
Black T-Handle kit (includes nuts and washers)	61342	<b>TX061342</b>
Clamp and stop collar assembly	203463	<b>TX203463</b>
Bulkhead adaptor	300673	<b>TX300673</b>
Chrome T-Handle only	301555	<b>TX301555</b>
Bulkhead Kit - bulkhead adaptor clamp stop collar pivot	317587	<b>TX317587</b>



## Trem Venus Twin Lever Control Box

- ◆ Housing in white ABS plastic
- ◆ Light aluminium levers and clutch
- ◆ Ideal for replacing Morse A26 controls.

Trem Part No	No
L5374228	<b>Q007821</b>



### Seastar Stop Cables

- ◆ An easy-to-install, easy to operate, flexible push-pull cable for remote control of choke, throttle, shut off, fuel valves, vents and many other applications.
- ◆ Available with both knob and T-handle.
- ◆ Solid stainless steel core wire resists corrosion, moves easily in HDPE liner.
- ◆ HDPE outer casing for durability and best resistance to UV and chemicals.
- ◆ Universal for most outboard, outdrive and inboard units
- ◆ Stainless steel end fitting and cable wire
- ◆ Standard rod 10 – 32 UNF threaded ends
- ◆ Nominal 75mm travel
- ◆ Can be cut to the required length

Length (ft)	Length (m)	Seastar Part No	No
10	3.03	CC34310	<b>TXCC34310</b>
15	4.55	CC34315	<b>TXCC34315</b>
20	6.06	CC34320	<b>TXCC34320</b>
25	7.58	CC34325	<b>TXCC34325</b>



### DC Control - Single Function Bulkhead/Panel Mounting

- ◆ Converts a standard 3300/33C cable into a utility push/pull control.
- ◆ Install through a panel, or mount neary anywhere with optional bulkhead bracket TX048210

Description	Seastar Part No	No
DC Control	301916	<b>TX301916</b>
Uses CCX633XX * 3300/33C Type Cable		
Mounting Bracket (stainless steel)	048210	<b>TX048210</b>

\* CCX633 is the recommended 3300/33C cable for use with the DC control



**Bulkhead adaptor kit 300673**

**Conduit Fitting Kits:** Use these (formerly known as Hub Adapter Kits) to mount utility cables to mount in either bulkhead or clamp type applications.

Description	Seastar Part No	No
Bulkhead Adaptor Kit	300673	<b>TX300673</b>

### Stop Collar – 3300/33C





**TX037693**







# UNIVERSAL CONTROL CABLE SELECTION CHART

## Universal Type Cables





(\*\*) Indicate the cable length you require in feet - **TXCC2300(08)** = **TXCC2300** (8ft cable)

		<b>TXCC2300**</b>		
	<b>Type</b> F2003 - Light Duty	<b>Cable Travel</b> 3"	<b>Bend Radius</b> 8"	





Light duty cable for short runs

		<b>TXCC330**</b>		
	<b>Type</b> 33C Black & Red Jacket - Standard Duty	<b>Cable Travel</b> 3"	<b>Bend Radius</b> 8"	





Mid range cable for longer more complicated routes

		<b>TXCCX633**</b>		
	<b>Type</b> 33C Black Jacket - Xtreme Duty	<b>Cable Travel</b> 3"	<b>Bend Radius</b> 4"	

For short and long runs with difficult routing has a unique "Splined core" to reduce friction like a skater on ice!

		<b>TXCCX632**</b>		
	<b>Type</b> 33C Supreme Red Jacket - Xtreme Duty	<b>Cable Travel</b> 3"	<b>Bend Radius</b> 4"	

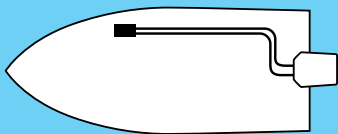
For short and long runs with difficult routing has a unique "Splined core" to reduce friction like a skater on ice!

		<b>TXCCX43**</b>		
	<b>Type</b> 43C Type - Heavy Duty	<b>Cable Travel</b> 3"	<b>Bend Radius</b> 5"	

Heavy duty applications

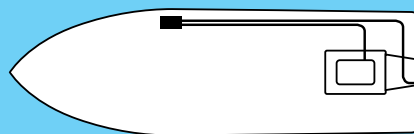
**Note:** Red Jacket cable - Historic Morse, Black Jacket cable - Historic Teleflex (cables are identical - same Thread, same Travel, same Bend Radii)

**How to measure for a Replacement Control Cable** Control cable length in feet. Round up up to next even foot.



**For new installation Outboards**

Cable length: measure cable path, add 3ft for engine loop. Round up to next even foot.

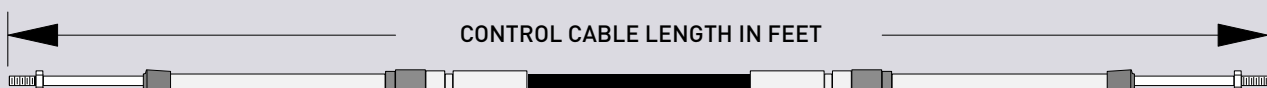


**For new installation Sterndrive Inboards**

Typical stern drive inboard control cable routing. Cable length: measure cable path and round up to next even foot.




### For Replacement of Existing Cable:

If you have removed the old cable, measure the cable as follows: from tip to tip and round up to the next foot. The control cable part number contains its length. SeaStar Solutions cables are usually listed as **TXCC???XX**, where **XX** = length in feet. FOR EXAMPLE: Part Number **TXCC63320** = 20 ft. **TXCC633**



## Light Duty 33C Type Control Cables

- ◆ Black outer cable
- ◆ Recommended for short cable installations
- ◆ Universal for most outboards, inboard and sterndrive engines
- ◆ Stainless steel inner wire and rod end fittings
- ◆ Standard 33C rod end thread 10 – 32 UNF
- ◆ Standard 33C stroke 3"/75mm

Cable Travel  76mm/3"	Bend Radius  203mm/8"	Thread Size  10-32" UNF
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Length (ft)	Length (m)	Seastar Part No	No
6	1.83	CC23006	<b>TXCC23006</b>
7	2.13	CC23007	<b>TXCC23007</b>
8	2.43	CC23008	<b>TXCC23008</b>
9	2.73	CC23009	<b>TXCC23009</b>
10	3.03	CC23010	<b>TXCC23010</b>
11	3.33	CC23011	<b>TXCC23011</b>
12	3.64	CC23012	<b>TXCC23012</b>
13	3.93	CC23013	<b>TXCC23013</b>
14	4.24	CC23014	<b>TXCC23014</b>
15	4.55	CC23015	<b>TXCC23015</b>
16	4.85	CC23016	<b>TXCC23016</b>
17	5.15	CC23017	<b>TXCC23017</b>
18	5.45	CC23018	<b>TXCC23018</b>
19	5.76	CC23019	<b>TXCC23019</b>
20	6.06	CC23020	<b>TXCC23020</b>
21	6.36	CC23021	<b>TXCC23021</b>
22	6.67	CC23022	<b>TXCC23022</b>
23	6.97	CC23023	<b>TXCC23023</b>
24	7.27	CC23024	<b>TXCC23024</b>

Note: above cable now only available from 6 to 24 feet, for longer cable lengths use Seastar TFXtreme cable TXCCX633/length or Supreme cable TXCCX632/length.



## 33C Miracable Standard Control Cables

**Grade – Standard, Colour – Black.**

Recommended for use in more vigorous control cable applications. Universal for most outboard, outdrive and inboard units

- ◆ Stainless steel end fitting and cable wire
- ◆ Standard rod 10 – 32 UNF threaded ends
- ◆ Nominal 75mm travel

Cable Travel  76mm/3"	Bend Radius  203mm/8"	Thread Size  10-32" UNF
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Length (ft)	Length (m)	Seastar Part No	No
6	1.83	CC33006	<b>TXCC33006</b>
7	2.13	CC33007	<b>TXCC33007</b>
8	2.43	CC33008	<b>TXCC33008</b>
9	2.73	CC33009	<b>TXCC33009</b>
10	3.03	CC33010	<b>TXCC33010</b>
11	3.33	CC33011	<b>TXCC33011</b>
12	3.64	CC33012	<b>TXCC33012</b>
13	3.93	CC33013	<b>TXCC33013</b>
14	4.24	CC33014	<b>TXCC33014</b>
15	4.55	CC33015	<b>TXCC33015</b>
16	4.85	CC33016	<b>TXCC33016</b>
17	5.15	CC33017	<b>TXCC33017</b>
18	5.45	CC33018	<b>TXCC33018</b>
19	5.76	CC33019	<b>TXCC33019</b>
20	6.06	CC33020	<b>TXCC33020</b>
21	6.36	CC33021	<b>TXCC33021</b>
22	6.67	CC33022	<b>TXCC33022</b>
23	6.97	CC33023	<b>TXCC33023</b>
24	7.27	CC33024	<b>TXCC33024</b>
25	7.58	CC33025	<b>TXCC33025</b>
26	7.92	CC33026	<b>TXCC33026</b>
27	8.23	CC33027	<b>TXCC33027</b>
28	8.53	CC33028	<b>TXCC33028</b>
29	8.84	CC33029	<b>TXCC33029</b>
30	9.14	CC33030	<b>TXCC33030</b>
32	9.75	CC33032	<b>TXCC33032</b>
34	10.36	CC33034	<b>TXCC33034</b>
36	10.97	CC33036	<b>TXCC33036</b>
40	12.19	CC33040	<b>TXCC33040</b>
46	14.02	CC33046	<b>TXCC33046</b>






## 33C Standard Red Jacket Cables

### Grade – Standard, Colour – Red.

Recommended for use in more vigorous control cable applications.

- ◆ Universal for most outboard, outdrive and inboard units
- ◆ Stainless steel end fitting and cable wire
- ◆ Standard rod 10 – 32 UNF threaded ends
- ◆ Nominal 75mm travel

Cable Travel  76mm/3"	Bend Radius  203mm/8"	Thread Size  10-32" UNF
--	--	--

Length (ft)	Length (m)	Seastar Part No	No
3	0.91	CC33203	<b>TXCC33203</b>
4	1.22	CC33204	<b>TXCC33204</b>
5	1.52	CC33205	<b>TXCC33205</b>
6	1.83	CC33206	<b>TXCC33206</b>
7	2.13	CC33207	<b>TXCC33207</b>
8	2.43	CC33208	<b>TXCC33208</b>
9	2.73	CC33209	<b>TXCC33209</b>
10	3.03	CC33210	<b>TXCC33210</b>
11	3.33	CC33211	<b>TXCC33211</b>
12	3.64	CC33212	<b>TXCC33212</b>
13	3.93	CC33213	<b>TXCC33213</b>
14	4.24	CC33214	<b>TXCC33214</b>
15	4.55	CC33215	<b>TXCC33215</b>
16	4.85	CC33216	<b>TXCC33216</b>
17	5.15	CC33217	<b>TXCC33217</b>
18	5.45	CC33218	<b>TXCC33218</b>
19	5.76	CC33219	<b>TXCC33219</b>
20	6.06	CC33220	<b>TXCC33220</b>
21	6.36	CC33221	<b>TXCC33221</b>
22	6.67	CC33222	<b>TXCC33222</b>
23	6.97	CC33223	<b>TXCC33223</b>
24	7.27	CC33224	<b>TXCC33224</b>
25	7.58	CC33225	<b>TXCC33225</b>
26	7.92	CC33226	<b>TXCC33226</b>
27	8.23	CC33227	<b>TXCC33227</b>
28	8.53	CC33228	<b>TXCC33228</b>
29	8.84	CC33229	<b>TXCC33229</b>
30	9.14	CC33230	<b>TXCC33230</b>
32	9.75	CC33232	<b>TXCC33232</b>
34	10.36	CC33234	<b>TXCC33234</b>
36	10.97	CC33236	<b>TXCC33236</b>
38	11.58	CC33238	<b>TXCC33238</b>
40	12.19	CC33240	<b>TXCC33240</b>

## 33C Premium Red Jacket Cables

### Grade – Premium, Colour – Red.

A unique splined core wire to achieve the 'impossible'. Its ridges allow a close fit with the cables inner liner, but with minimum contact, so the core glides back and forth like a skater on ice. Particularly suitable for dual stations.

- ◆ Universal for most outboard, outdrive and inboard units
- ◆ Stainless steel end fitting
- ◆ Standard rod 10 – 32 UNF threaded ends
- ◆ Nominal 75mm travel

Cable Travel  76mm/3"	Bend Radius  100mm/4"	Thread Size  10-32" UNF
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Length (ft)	Length (m)	Seastar Part No	No
6	1.83	CCX63206	<b>TXCCX63206</b>
7	2.13	CCX63207	<b>TXCCX63207</b>
8	2.43	CCX63208	<b>TXCCX63208</b>
9	2.73	CCX63209	<b>TXCCX63209</b>
10	3.03	CCX63210	<b>TXCCX63210</b>
11	3.33	CCX63211	<b>TXCCX63211</b>
12	3.64	CCX63212	<b>TXCCX63212</b>
13	3.93	CCX63213	<b>TXCCX63213</b>
14	4.24	CCX63214	<b>TXCCX63214</b>
15	4.55	CCX63215	<b>TXCCX63215</b>
16	4.85	CCX63216	<b>TXCCX63216</b>
17	5.15	CCX63217	<b>TXCCX63217</b>
18	5.45	CCX63218	<b>TXCCX63218</b>
19	5.76	CCX63219	<b>TXCCX63219</b>
20	6.06	CCX63220	<b>TXCCX63220</b>
21	6.36	CCX63221	<b>TXCCX63221</b>
22	6.67	CCX63222	<b>TXCCX63222</b>
23	6.97	CCX63223	<b>TXCCX63223</b>
24	7.27	CCX63224	<b>TXCCX63224</b>
25	7.58	CCX63225	<b>TXCCX63225</b>
26	7.92	CCX63226	<b>TXCCX63226</b>
27	8.23	CCX63227	<b>TXCCX63227</b>
28	8.53	CCX63228	<b>TXCCX63228</b>
29	8.84	CCX63229	<b>TXCCX63229</b>
30	9.14	CCX63230	<b>TXCCX63230</b>
32	9.75	CCX63232	<b>TXCCX63232</b>
34	10.36	CCX63234	<b>TXCCX63234</b>
36	10.97	CCX63236	<b>TXCCX63236</b>
38	12.19	CCX63238	<b>TXCCX63238</b>
40	14.02	CCX63240	<b>TXCCX63240</b>
42	12.80	CCX63242	<b>TXCCX63242</b>
44	13.41	CCX63244	<b>TXCCX63244</b>
46	14.02	CCX63246	<b>TXCCX63246</b>
48	14.63	CCX63248	<b>TXCCX63248</b>
50	15.24	CCX63250	<b>TXCCX63250</b>
54	-	CCX63254	<b>TXCCX63254</b>
56	17.07	CCX63256	<b>TXCCX63256</b>
58	-	CCX63260	<b>TXCCX63260</b>
66	-	CCX63266	<b>TXCCX63266</b>

## 33C Xtreme Control Cables

**Grade – Super Premium, Colour – Black.**

Xtreme™ uses a unique splined core wire to achieve the 'impossible'. Its ridges allow a close fit with the cables inner liner, but with minimum contact, so the core glides back and forth like a skater on ice. Particularly suitable for dual stations.

- ◆ Universal for most outboard, outdrive and inboard units
- ◆ Stainless steel end fitting and cable wire
- ◆ Standard rod 10 – 32 UNF threaded ends
- ◆ Nominal 75mm travel

<b>Cable Travel</b>  76mm/3"	<b>Bend Radius</b>  100mm/4"	<b>Thread Size</b>  10-32" UNF
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Length (ft)	Length (m)	Seastar Part No	No
5	1.25	CCX63305	<b>TXCCX63305</b>
6	1.83	CCX63306	<b>TXCCX63306</b>
7	2.13	CCX63307	<b>TXCCX63307</b>
8	2.43	CCX63308	<b>TXCCX63308</b>
9	2.73	CCX63309	<b>TXCCX63309</b>
10	3.03	CCX63310	<b>TXCCX63310</b>
11	3.33	CCX63311	<b>TXCCX63311</b>
12	3.64	CCX63312	<b>TXCCX63312</b>
13	3.93	CCX63313	<b>TXCCX63313</b>
14	4.24	CCX63314	<b>TXCCX63314</b>
15	4.55	CCX63315	<b>TXCCX63315</b>
16	4.85	CCX63316	<b>TXCCX63316</b>
17	5.15	CCX63317	<b>TXCCX63317</b>
18	5.45	CCX63318	<b>TXCCX63318</b>
19	5.76	CCX63319	<b>TXCCX63319</b>
20	6.06	CCX63320	<b>TXCCX63320</b>
21	6.36	CCX63321	<b>TXCCX63321</b>
22	6.67	CCX63322	<b>TXCCX63322</b>
23	6.97	CCX63323	<b>TXCCX63323</b>
24	7.27	CCX63324	<b>TXCCX63324</b>
25	7.58	CCX63325	<b>TXCCX63325</b>
26	7.92	CCX63326	<b>TXCCX63326</b>
27	8.23	CCX63327	<b>TXCCX63327</b>
28	8.53	CCX63328	<b>TXCCX63328</b>
29	8.84	CCX63329	<b>TXCCX63329</b>
30	9.14	CCX63330	<b>TXCCX63330</b>
32	9.75	CCX63332	<b>TXCCX63332</b>
34	10.36	CCX63334	<b>TXCCX63334</b>
36	10.97	CCX63336	<b>TXCCX63336</b>
38	12.19	CCX63338	<b>TXCCX63338</b>
40	14.02	CCX63340	<b>TXCCX63340</b>
42	12.80	CCX63342	<b>TXCCX63342</b>
44	13.41	CCX63344	<b>TXCCX63344</b>
46	14.02	CCX63346	<b>TXCCX63346</b>
48	14.63	CCX63348	<b>TXCCX63348</b>
50	15.24	CCX63350	<b>TXCCX63350</b>
54	-	CCX63354	<b>TXCCX63354</b>
56	17.07	CCX63356	<b>TXCCX63356</b>
58	-	CCX63358	<b>TXCCX63358</b>
60	18.25	CCX63360	<b>TXCCX63360</b>
72	-	CCX63372	<b>TXCCX63372</b>

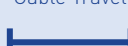




## 43C Xtreme Control Cables

**Grade – Super Premium, Colour – Black.**

Xtreme™ uses a unique splined core wire to achieve the 'impossible'. Ridges allow a close fit with the cables inner liner, but with minimum contact, so the core glides back and forth like a skater on ice. Particularly suitable for dual stations.

- ◆ Universal for most outboard, outdrive and inboard units
- ◆ Stainless steel end fitting and cable wire
- ◆ Standard rod 1/4" – 28" UNF threaded ends
- ◆ Nominal 75mm travel

<b>Cable Travel</b>  76mm/3"	<b>Bend Radius</b>  125mm/5"	<b>Thread Size</b>  1/4"-28" UNF
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Length (ft)	Length (m)	Seastar Part No	No
6	1.83	CCX43306	<b>TXCCX43306</b>
7	2.13	CCX43307	<b>TXCCX43307</b>
8	2.43	CCX43308	<b>TXCCX43308</b>
9	2.73	CCX43309	<b>TXCCX43309</b>
10	3.03	CCX43310	<b>TXCCX43310</b>
11	3.33	CCX43311	<b>TXCCX43311</b>
12	3.64	CCX43312	<b>TXCCX43312</b>
13	3.93	CCX43313	<b>TXCCX43313</b>
14	4.24	CCX43314	<b>TXCCX43314</b>
15	4.55	CCX43315	<b>TXCCX43315</b>
16	4.85	CCX43316	<b>TXCCX43316</b>
17	5.15	CCX43317	<b>TXCCX43317</b>
18	5.45	CCX43318	<b>TXCCX43318</b>
19	5.76	CCX43319	<b>TXCCX43319</b>
20	6.06	CCX43320	<b>TXCCX43320</b>
21	6.36	CCX43321	<b>TXCCX43321</b>
22	6.67	CCX43322	<b>TXCCX43322</b>
23	6.97	CCX43323	<b>TXCCX43323</b>
24	7.27	CCX43324	<b>TXCCX43324</b>
25	7.58	CCX43325	<b>TXCCX43325</b>
26	7.92	CCX43326	<b>TXCCX43326</b>
27	8.23	CCX43327	<b>TXCCX43327</b>
28	8.53	CCX43328	<b>TXCCX43328</b>
29	8.84	CCX43329	<b>TXCCX43329</b>
30	9.14	CCX43330	<b>TXCCX43330</b>
32	9.75	CCX43332	<b>TXCCX43332</b>
56	17.07	CCX43356	<b>TXCCX43356</b>
60	18.25	CCX43360P	<b>TXCCX43360</b>





SEASTAR  
SOLUTIONS

## A COMPLETE FAMILY OF CABLES:



**TXCCX189XX**  
Merc Gen II type  
(4000 series controls)

**TXCCX179XX**  
Merc type (600A)

**TXCCX205XX**  
OMC type (479)

**TXCCX630XX**  
3600 Merc type


**TXCCX633XX**  
3300CC type  
(10-32 threaded  
end)

**TXCCX430XX**  
4300/43BC type  
(1/4-28 threaded  
end)

**TXCCX433XX**  
4300/43CC type  
(1/4-28 threaded end)

**TXCCX640XX**  
6400/64BC type  
(5/16-24 threaded end)

**TXCCX643XX**  
6400/64CC type  
(5/16-24 threaded end)

SeaStar Solutions  **xtreme** technology cables are the **ONLY** high performance cable family with a **FULL RANGE** of universal cables and **ALL** popular direct replacement OEM type cables.



## OEM Cable Applications:

OEM direct-replacement type cables are designed to fit BRP®, Mercury®, Mariner®, OMC®, Volvo® and similar OEM engine control heads which use a proprietary control cable connection. **✱xtreme** versions of the most popular cables are offered for demanding applications in which a smooth feel at the control is essential.

### For These Controls:

Mercury®, MerCruiser®, Mariner®, Force®, OMC®, Evinrude®, Johnson®, Volvo®, SeaStar Solutions Osprey Series CH1700, CH7500, CH7600, CH7800 and SL-3 Series.

#### Mercury/Mariner/Force/U.S. Marine:

Mercury Gen II type (standard) TXCC189XX

Mercury Gen II type (premium) TXCCX189XX

Mariner®/Mercury®/MerCruiser® and other engines using Mercury 2003-date 4000 series controls. CCX189XX is a **✱xtreme** cable.

Mercury 600A type (standard) TXCC179XX

Mercury 600A type (premium) TXCCX179XX

Mariner®/Mercury®/MerCruiser® (1965-date); Force® (1993-date) with Mercury controls. All Mariner engines with Mercury/Mariner controls (except pre-1993 40 HP & lower models). All 1993-date Force (US Marine) with Force/US Marine/Mercury controls. CCX179XX is a **✱xtreme** cable.

Mariner 630 type (standard) TXCC210XX

Mariner® (pre-1993 40 HP & less) with Mariner/Mercury controls.

Mercury 3600 type (premium) TXCCX630XX

Mercury® products (1965-date); Force® (1993-date) using controls which accept 10-32 threaded ends or using most aftermarket controls. Mercury style engine end connection.

US Marine® L-Drive shift cable (std.) TXCC213XX

U.S. Marine "L-Drive" engines with original equipment controls.  
Drop-in replacement for "L-Drive" shift cables.

### Features:

- ◆ Drop-in replacement cables are engineered as replacements for original equipment cables.
- ◆ Cables use the existing connection components.
- ◆ Stainless steel and brass fittings.
- ◆ Standard cables use stainless steel Lubri-Core™ core wire for smooth operation and long life. (8" minimum bend radius.)
- ◆ Premium cables have a heavy jacket and the **✱xtreme** splined, coated core element for maximum smoothness with minimal lost motion. (4" min. bend radius.)
- ◆ Black HDPE outer casing for durability and best resistance to UV and chemicals.
- ◆ Red conduit international only.

#### BRP, OMC, Johnson, Evinrude, Volvo/OMC:

400 type (standard) TXCC170XX

Pre-1979 OMC®/Johnson®/Evinrude® with BRP/OMC controls.  
Exceeds engine manufacturer's specifications.

479 type (standard) TXCC205XX

479 type (premium) TXCCX205XX

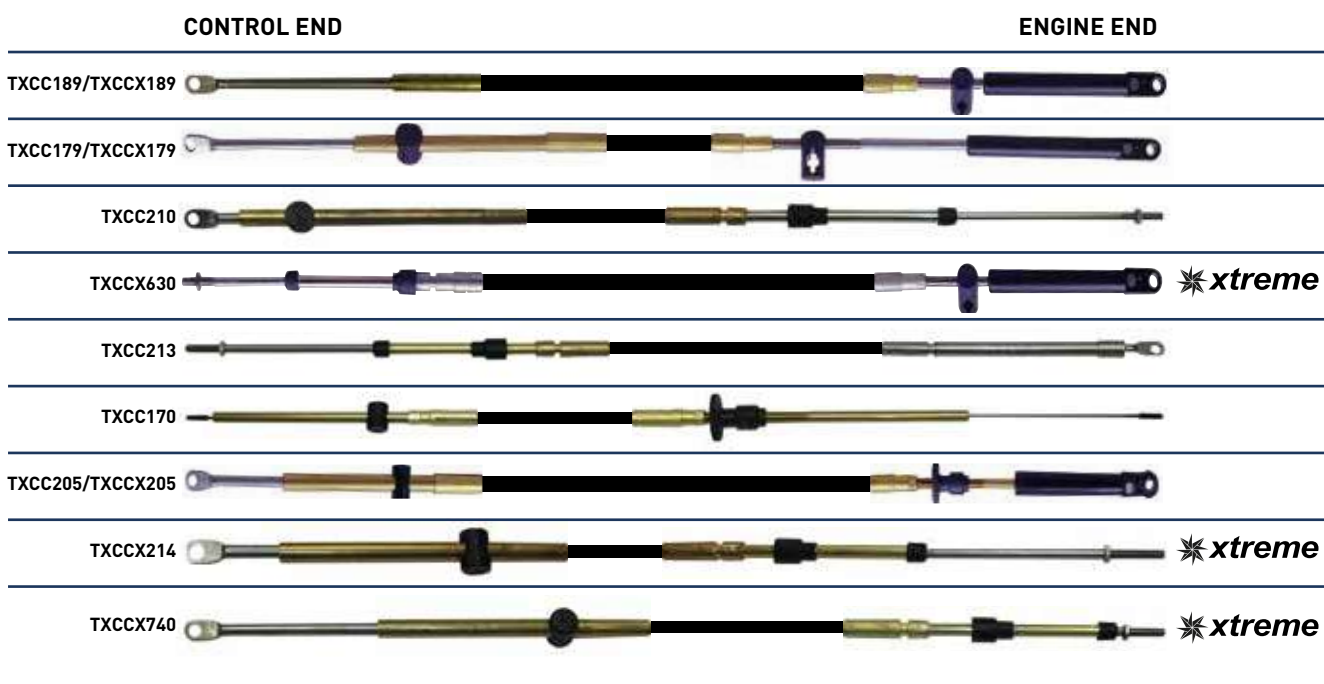
1979-date BRP®/OMC®/Johnson®/Evinrude®/Gale® with BRP/OMC controls. Exceeds engine manufacturer's specifications. CCX205XX is a **✱xtreme** cable.

Volvo/OMC cable (premium) TXCCX214XX

Volvo engines using BRP/OMC side mount controls.

Volvo/OMC cable (premium) TXCCX740XX

Volvo engines using top mount BRP/OMC controls.


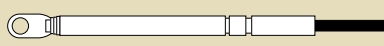









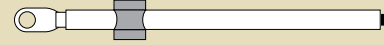







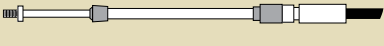
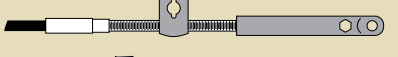


# OEM TYPE REPLACEMENT CABLES SELECTION CHART


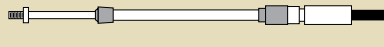
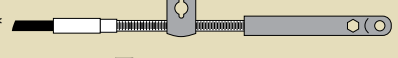


## OEM Engine Cables



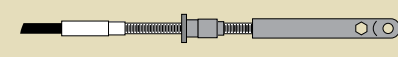


(\*\*) Indicate the cable length you require in feet - **TXCC2300(08) = TXCC2300 (8ft cable)**



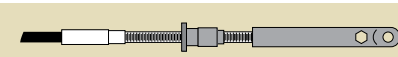


	 <b>TXCC189**</b> 2003 to date	 <b>TXCCX189**</b> 2003 to date			 Thread Size Engine Specific	 Lengths available 10ft - 24ft
	<b>Type</b> <b>TXCC189 Standard Mercury Gen II</b> <b>TXCCX189 Xtreme Mercury Gen II</b>	<b>Cable Travel</b> 3"	<b>Bend Radius</b> 8"	<b>Cable Travel</b> 3"		

	 <b>TXCC179**</b> 1965 to date	 <b>TXCCX179**</b> 1965 to date			 Thread Size Engine Specific	 Lengths available 10ft - 24ft
	<b>Type</b> <b>TXCC179 Mercury 600A Standard</b> <b>TXCCX179 Mercury 600A Xtreme</b>	<b>Cable Travel</b> 3"	<b>Bend Radius</b> 8"	<b>Cable Travel</b> 3"		

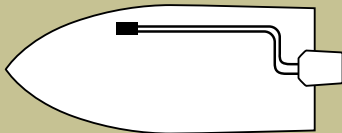
	 <b>TXCC210**</b> Pre 1993		 Thread Size Engine Specific	 Lengths available 10ft - 24ft
	<b>Type</b> <b>TXCC179 Mercury/Mariner 630</b>	<b>Cable Travel</b> 3"		

	 <b>TXCCX630**</b>		 Thread Size Engine Specific	 Lengths available 8ft - 24ft
	<b>Type</b> <b>TXCCX630 Mercury/Mariner 6300 Xtreme</b>	<b>Cable Travel</b> 3"		

	 <b>TXCC205**</b>		 Thread Size Engine Specific	 Lengths available 6ft - 24ft
	<b>Type</b> <b>TXCC205 OMC 479 Standard</b>	<b>Cable Travel</b> 3"		

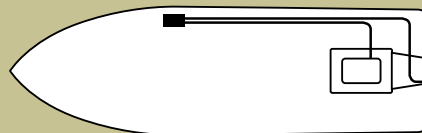
	 <b>TXCCX205**</b>		 Thread Size Engine Specific	 Lengths available 6ft - 24ft
	<b>Type</b> <b>TXCCX205 OMC 479 Xtreme</b>	<b>Cable Travel</b> 3"		

**How to measure for a Replacement Control Cable** Control cable length in feet. Round up up to next even foot.



**For new installation Outboards**

Cable length: measure cable path, add 3ft for engine loop. Round up to next even foot.

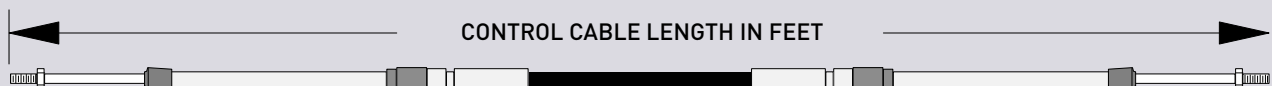


**For new installation Sterndrive Inboards**

Typical stern drive inboard control cable routing. Cable length: measure cable path and round up to next even foot.



## For Replacement of Existing Cable:

If you have removed the old cable, measure the cable as follows: from tip to tip and round up to the next foot. The control cable part number contains its length. SeaStar Solutions cables are usually listed as **TXCC???XX**, where **XX** = length in feet. FOR EXAMPLE: Part Number **TXCCX63320** = 20 ft. **TXCCX633**

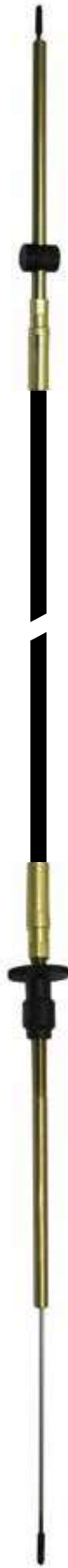


## OMC® 400 (Pre 1979) Standard

- ◆ BRP, OMC, Johnson, Evinrude, Volvo/OMC
- ◆ 400 type (standard).
- ◆ Pre 1979 OMC®, Johnson®, Evinrude® with BRP/OMC controls
- ◆ Exceeds engine manufacturers specifications
- ◆ Cables use the existing cable components
- ◆ Stainless steel and brass fittings
- ◆ Stainless steel LubriCore™ core wire for smooth operation and long life
- ◆ Black HDPE outercasing for durability and best resistance to UV and chemicals

Cable Travel  76mm/3"	Bend Radius  200mm/8"	Cable end fittings exactly same as OEM
--	--	--

Length (ft)	Length (m)	Seastar Part No	No
10	3.03	CCX17010	<b>TXCC17010</b>
11	3.33	CCX17011	<b>TXCC17011</b>
19	5.76	CCX17019	<b>TXCC17019</b>
20	6.06	CCX17020	<b>TXCC17020</b>



## OMC® 479 (Snap On) Standard

- ◆ Like-for-like OEM replacement cable
- ◆ BRP, OMC, Johnson, Evinrude, Volvo/OMC
- ◆ 400 type (standard).
- ◆ Pre 1979 OMC®, Johnson®, Evinrude® with BRP/OMC controls
- ◆ Exceeds engine manufacturers specifications
- ◆ Cables use the existing cable components
- ◆ Stainless steel and brass fittings
- ◆ Stainless steel LubriCore™ core wire for smooth operation and long life
- ◆ Black HDPE outercasing for durability and best resistance to UV and chemicals

Cable Travel  76mm/3"	Bend Radius  200mm/8"	Cable end fittings exactly same as OEM
---	--	--

Length (ft)	Length (m)	Seastar Part No	No
6	1.83	CC20506	<b>TXCC20506</b>
7	2.13	CC20507	<b>TXCC20507</b>
8	2.43	CC20508	<b>TXCC20508</b>
9	2.73	CC20509	<b>TXCC20509</b>
10	3.03	CC20510	<b>TXCC20510</b>
11	3.33	CC20511	<b>TXCC20511</b>
12	3.64	CC20512	<b>TXCC20512</b>
13	3.93	CC20513	<b>TXCC20513</b>
14	4.24	CC20514	<b>TXCC20514</b>
15	4.55	CC20515	<b>TXCC20515</b>
16	4.85	CC20516	<b>TXCC20516</b>
17	5.15	CC20517	<b>TXCC20517</b>
18	5.45	CC20518	<b>TXCC20518</b>
19	5.76	CC20519	<b>TXCC20519</b>
20	6.06	CC20520	<b>TXCC20520</b>
21	6.36	CC20521	<b>TXCC20521</b>
22	6.67	CC20522	<b>TXCC20522</b>
23	6.97	CC20523	<b>TXCC20523</b>
24	7.27	CC20524	<b>TXCC20524</b>



## OMC® 479 (Snap On) TFXtreme®

- ◆ Like-for-like OEM replacement cable
- ◆ BRP, OMC, Johnson, Evinrude, Gale
- ◆ 1979 – to date BRP®, Johnson®, Evinrude®, Gale® fitted with BRP/OMC controls
- ◆ Exceeds engine manufacturers specifications
- ◆ Cables use the existing connection components
- ◆ Stainless steel and brass fittings
- ◆ Xtreme splined, coated core element for maximum smoothness with minimal lost motion
- ◆ Heavy jacket outer casing for maximum durability and resistance to UV and chemicals


<b>Cable Travel</b>  76mm/3"	<b>Bend Radius</b>  100mm/4"	Cable end fittings exactly same as OEM
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Length (ft)	Length (m)	Seastar Part No	No
7	2.13	CCX20507	<b>TXCCX20507</b>
8	2.43	CCX20508	<b>TXCCX20508</b>
9	2.73	CCX20509	<b>TXCCX20509</b>
10	3.03	CCX20510	<b>TXCCX20510</b>
11	3.33	CCX20511	<b>TXCCX20511</b>
12	3.64	CCX20512	<b>TXCCX20512</b>
13	3.93	CCX20513	<b>TXCCX20513</b>
14	4.24	CCX20514	<b>TXCCX20514</b>
15	4.55	CCX20515	<b>TXCCX20515</b>
16	4.85	CCX20516	<b>TXCCX20516</b>
17	5.15	CCX20517	<b>TXCCX20517</b>
18	5.45	CCX20518	<b>TXCCX20518</b>
19	5.76	CCX20519	<b>TXCCX20519</b>
20	6.06	CCX20520	<b>TXCCX20520</b>
21	6.36	CCX20521	<b>TXCCX20521</b>
23	6.97	CCX20523	<b>TXCCX20523</b>
27	8.23	CCX20527	<b>TXCCX20527</b>



## Mercury®/Mariner® 600A Standard

- ◆ Like-for-like OEM replacement cable
- ◆ Mariner®, Mercury®, MerCruiser®(1965 – to date), Force® (1993 – to date) with Mercury controls.
- ◆ All Mariner engines with Mercury/Mariner controls (except pre-1993 40HP and lower models)
- ◆ All 1993 – to date Force (US Marine) with Force/US Marine/Mercury controls
- ◆ Exceeds engine manufacturers specifications
- ◆ Cables use the existing connection components
- ◆ Stainless steel and brass fittings
- ◆ Stainless steel LubriCore™ core wire for smooth operation and long life
- ◆ Black HDPE outercasing for durability and best resistance to UV and chemicals


<b>Cable Travel</b>  76mm/3"	<b>Bend Radius</b>  200mm/8"	Cable end fittings exactly same as OEM
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Length (ft)	Length (m)	Seastar Part No	No
6	1.83	CC17906	<b>TXCC17906</b>
7	2.13	CC17907	<b>TXCC17907</b>
8	2.43	CC17908	<b>TXCC17908</b>
9	2.73	CC17909	<b>TXCC17909</b>
10	3.03	CC17910	<b>TXCC17910</b>
11	3.33	CC17911	<b>TXCC17911</b>
12	3.64	CC17912	<b>TXCC17912</b>
13	3.93	CC17913	<b>TXCC17913</b>
14	4.24	CC17914	<b>TXCC17914</b>
15	4.55	CC17915	<b>TXCC17915</b>
16	4.85	CC17916	<b>TXCC17916</b>
17	5.15	CC17917	<b>TXCC17917</b>
18	5.45	CC17918	<b>TXCC17918</b>
19	5.76	CC17919	<b>TXCC17919</b>
20	6.06	CC17920	<b>TXCC17920</b>
21	6.36	CC17921	<b>TXCC17921</b>
22	6.67	CC17922	<b>TXCC17922</b>
23	6.97	CC17923	<b>TXCC17923</b>
24	7.27	CC17924	<b>TXCC17924</b>
22	6.67	CC17922	<b>TXCC17922</b>
23	6.97	CC17923	<b>TXCC17923</b>
24	7.27	CC17924	<b>TXCC17924</b>



## Mercury®/Mariner® 600A Xtreme®

- ◆ Like-for-like OEM replacement cable
- ◆ Mariner®, Mercury®, MerCruiser®(1965 – to date), Force® (1993 – to date) with Mariner/Mercury controls.
- ◆ All Mariner engines with Mercury/Mariner controls (except pre-1993 40HP and lower models)
- ◆ All 1993 – to date Force (US Marine) with Force/US Marine/Mercury controls
- ◆ Exceeds engine manufacturers specifications
- ◆ Cables use the existing connection components
- ◆ Stainless steel and brass fittings
- ◆ Xtreme splined, coated core element for maximum smoothness with minimal lost motion
- ◆ Heavy jacket outer casing for maximum durability and resistance to UV and chemicals



<b>Cable Travel</b>  76mm/3"	<b>Bend Radius</b>  100mm/4"	Cable end fittings exactly same as OEM
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Length (ft)	Length (m)	Seastar Part No	No
7	2.13	CCX17907	<b>TXCCX17907</b>
8	2.43	CCX17908	<b>TXCCX17908</b>
9	2.73	CCX17909	<b>TXCCX17909</b>
10	3.03	CCX17910	<b>TXCCX17910</b>
11	3.33	CCX17911	<b>TXCCX17911</b>
12	3.64	CCX17912	<b>TXCCX17912</b>
13	3.93	CCX17913	<b>TXCCX17913</b>
14	4.24	CCX17914	<b>TXCCX17914</b>
15	4.55	CCX17915	<b>TXCCX17915</b>
16	4.85	CCX17916	<b>TXCCX17916</b>
17	5.15	CCX17917	<b>TXCCX17917</b>
18	5.45	CCX17918	<b>TXCCX17918</b>
19	5.76	CCX17919	<b>TXCCX17919</b>
20	6.06	CCX17920	<b>TXCCX17920</b>
21	6.36	CCX17921	<b>TXCCX17921</b>
22	6.67	CCX17922	<b>TXCCX17922</b>
23	6.97	CCX17923	<b>TXCCX17923</b>
24	7.27	CCX17924	<b>TXCCX17924</b>
25	7.58	CCX17925	<b>TXCCX17925</b>
26	7.92	CCX17926	<b>TXCCX17926</b>
27	8.23	CCX17927	<b>TXCCX17927</b>
28	8.53	CCX17928	<b>TXCCX17928</b>
29	8.84	CCX17929	<b>TXCCX17929</b>
30	9.14	CCX17930	<b>TXCCX17930</b>



## Mercury®/Mariner® 630 Standard

- ◆ Like-for-like OEM replacement cable
- ◆ Mariner® pre 1993 40HP or less with Mariner/Mercury controls.
- ◆ Exceeds engine manufacturers specifications
- ◆ Cables use the existing connection components
- ◆ Stainless steel and brass fittings
- ◆ Stainless steel LubriCore™ core wire for smooth operation and long life
- ◆ Black HDPE outer casing for durability and best resistance to UV and chemicals

<b>Cable Travel</b>  76mm/3"	<b>Bend Radius</b>  200mm/8"	Cable end fittings exactly same as OEM
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Length (ft)	Length (m)	Seastar Part No	No
8	2.43	CC21008	<b>TXCC21008</b>
10	3.03	CC21010	<b>TXCC21010</b>
11	3.33	CC21011	<b>TXCC21011</b>
12	3.64	CC21012	<b>TXCC21012</b>
13	3.93	CC21013	<b>TXCC21013</b>
14	4.24	CC21014	<b>TXCC21014</b>
15	4.55	CC21015	<b>TXCC21015</b>
16	4.85	CC21016	<b>TXCC21016</b>
17	5.15	CC21017	<b>TXCC21017</b>
18	5.45	CC21018	<b>TXCC21018</b>
19	5.76	CC21019	<b>TXCC21019</b>
20	6.06	CC21020	<b>TXCC21020</b>





## Mercury®/Mariner® 360 TFXtreme®

- ◆ Like-for-like OEM replacement cable
- ◆ Mercury® (1965 – to date), Force® (1993 – to date) using controls which accept 10-32 threaded ends or using most aftermarket controls
- ◆ Mercury type engine end connections
- ◆ Exceeds engine manufacturers specifications
- ◆ Cables use the existing connection components
- ◆ Stainless steel and brass fittings
- ◆ Xtreme splined, coated core element for maximum smoothness with minimal lost motion
- ◆ Heavy jacket outer casing for maximum durability and resistance to UV and chemicals

Cable Travel  76mm/3"	Bend Radius  100mm/4"	Cable end fittings exactly same as OEM
--	--	--

Length (ft)	Length (m)	Seastar Part No	No
8	2.43	CCX63008	<b>TXCCX63008</b>
10	3.03	CCX63010	<b>TXCCX63010</b>
11	3.33	CCX63011	<b>TXCCX63011</b>
12	3.64	CCX63012	<b>TXCCX63012</b>
13	3.93	CCX63013	<b>TXCCX63013</b>
14	4.24	CCX63014	<b>TXCCX63014</b>
15	4.55	CCX63015	<b>TXCCX63015</b>
16	4.85	CCX63016	<b>TXCCX63016</b>
17	5.15	CCX63017	<b>TXCCX63017</b>
18	5.45	CCX63018	<b>TXCCX63018</b>
19	5.76	CCX63019	<b>TXCCX63019</b>
20	6.06	CCX63020	<b>TXCCX63020</b>
21	6.36	CCX63021	<b>TXCCX63021</b>
22	6.67	CCX63022	<b>TXCCX63022</b>
23	6.97	CCX63023	<b>TXCCX63023</b>
24	7.27	CCX63024	<b>TXCCX63024</b>
26	7.92	CCX63026	<b>TXCCX63026</b>



## Mercury®/Mariner®/ MerCruiser® GEN II® Standard

- ◆ Like-for-like OEM replacement cable
- ◆ Mercury® Mariner® MerCruiser® and other engines using 2003 – to date 4000 Series controls
- ◆ Exceeds engine manufacturers specifications
- ◆ Cables use the existing connection components
- ◆ Stainless steel and brass fittings
- ◆ Stainless steel LubriCore™ core wire for smooth operation and long life
- ◆ Black HDPE outer casing for durability and best resistance to UV and chemicals

Cable Travel  76mm/3"	Bend Radius  200mm/8"	Cable end fittings exactly same as OEM
--	--	--

Length (ft)	Length (m)	Seastar Part No	No
10	3.03	CC18910	<b>TXCC18910</b>
11	3.33	CC18911	<b>TXCC18911</b>
12	3.64	CC18912	<b>TXCC18912</b>
13	3.93	CC18913	<b>TXCC18913</b>
14	4.24	CC18914	<b>TXCC18914</b>
15	4.55	CC18915	<b>TXCC18915</b>
16	4.85	CC18916	<b>TXCC18916</b>
17	5.15	CC18918	<b>TXCC18918</b>
18	5.45	CC18919	<b>TXCC18919</b>
19	5.76	CC18920	<b>TXCC18920</b>
20	6.06	CC18921	<b>TXCC18921</b>
21	6.36	CC18922	<b>TXCC18922</b>
22	6.67	CC18923	<b>TXCC18923</b>
23	6.97	CC18924	<b>TXCC18924</b>



# Mercury®/Mariner®/ MerCruiser® GEN II® TFXtreme®

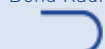
- ◆ Like-for-like OEM replacement cable
- ◆ Mercury® Mariner® MerCruiser® and other engines using 2003 – to date 4000 Series controls
- ◆ Exceeds engine manufacturers specifications
- ◆ Cables use the existing connection components
- ◆ Stainless steel and brass fittings
- ◆ Xtreme splined, coated core element for maximum smoothness with minimal lost motion
- ◆ Heavy jacket outer casing for maximum durability and resistance to UV and chemicals

Cable Travel



76mm/3"

Bend Radius



100mm/4"

Cable end fittings exactly same as OEM

Length (ft)	Length (m)	Seastar Part No	No
6	1.83	CCX18906	<b>TXCCX18906</b>
7	2.13	CCX18907	<b>TXCCX18907</b>
8	2.43	CCX18908	<b>TXCCX18908</b>
9	2.73	CCX18909	<b>TXCCX18909</b>
10	3.03	CCX18910	<b>TXCCX18910</b>
11	3.33	CCX18911	<b>TXCCX18911</b>
12	3.64	CCX18912	<b>TXCCX18912</b>
13	3.93	CCX18913	<b>TXCCX18913</b>
14	4.24	CCX18914	<b>TXCCX18914</b>
15	4.55	CCX18915	<b>TXCCX18915</b>
16	4.85	CCX18916	<b>TXCCX18916</b>
17	5.15	CCX18917	<b>TXCCX18917</b>
18	5.45	CCX18918	<b>TXCCX18918</b>
19	5.76	CCX18919	<b>TXCCX18919</b>
20	6.06	CCX18920	<b>TXCCX18920</b>
21	6.36	CCX18921	<b>TXCCX18921</b>
22	6.67	CCX18922	<b>TXCCX18922</b>
23	6.97	CCX18923	<b>TXCCX18923</b>
24	7.27	CCX18924	<b>TXCCX18924</b>
25	7.58	CCX18925	<b>TXCCX18925</b>
32	9.75	CCX18932	<b>TXCCX18932</b>



TX301074

TX304939

## OEM Control-Specific Connection Kits for 3300/33C Cables

Description	Seastar Part No	No
Merc/Mariner Control Adapter - 3300/33C cable	301074	<b>TX301074</b>
OMC/J/E Control Adapter - 3300/33C cable	304939	<b>TX304939</b>



TXCA27247



## Engine-Specific Connection Kits for 1973-1978 OMC OEM ("400" type) Cables with Bare Wire Ends

Description	Seastar Part No	No
Evinrude/Johnson O/B Kit (35HP and less)	CA27208P	<b>TXCA27208</b>
Evinrude/Johnson O/B Kit (over 35HP)	CA27247P	<b>TXCA27247</b>
OMC Stern Drive Kit (all)	CA27247P	<b>TXCA27247</b>

(NOTE: included clip is not used on stern drives.)



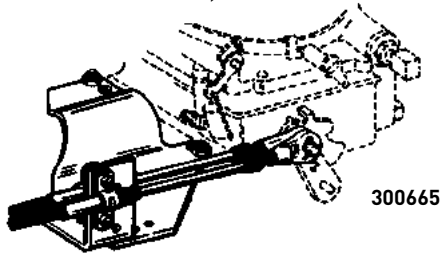
## Engine-Specific Connection Kits for 3300/33C Cables

Description	Seastar Part No	No
Evinrude/Johnson O/B Kit (1979-date)	CA27320P	<b>TXCA27320</b>
Evinrude/Johnson O/B Kit (pre-1979)	CA27321P	<b>TXCA27321</b>
Mercury Outboard Kit (1965-date)	CA27319P	<b>TXCA27319</b>
Mercury Stern Drive Kit (all)	CA27319P	<b>TXCA27319</b>
OMC Stern Drive Kit (all)	CA27320P	<b>TXCA27320</b>

# Connection Kits

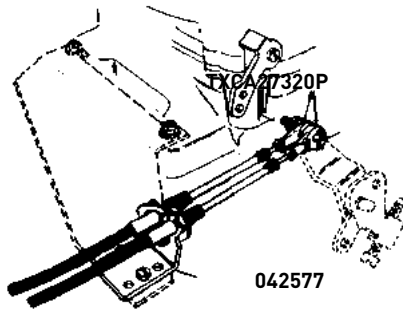
## Pre-Engineered Clutch & Throttle Kits – by Engine Application

To convert from 3300/33C Dual Station to 4300/43C Dual Station, add



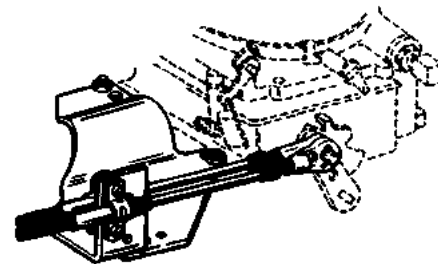
Description	Seastar Part No	No
Cummins (V, VT, KT, KTA 1975-up) 300665	300665	<b>TX300665</b>
GM (3,4 & 6-71 w/var. spd. Gov.)	300665	<b>TX300665</b>
GM (6, 8 & 12 V-71, 6 & 8 V-92 w/v.s.g.)	300665	<b>TX300665</b>

## Pre-Engineered Clutch & Throttle Kits – by Transmission



For Dual Station 3300/33C Cables

Description	Seastar Part No	No
Twin Disc (MG, 508, 509, 510, 510A, 512)	042577	<b>TX215301</b>
Twin Disc (514C, 514CHP, 518, 521, 527)	042577	<b>TX215301</b>
Twin Disc (530 & 540)	042577	<b>TX215301</b>



To convert from 3300/33C Dual Station to 4300/43C Dual Station, add

Description	Seastar Part No	No
Borg-Warner (70, 71 & 72 inline-red gear)	300665	<b>TX300665</b>
Borg-Warner (71C & 72C drop centre)	300665	<b>TX300665</b>
Twin Disc (MG, 508, 509, 510, 510A, 512)	300665	<b>TX300665</b>
Twin Disc (514C, 514CHP, 518, 521, 527)	300665	<b>TX300665</b>
Twin Disc (530 & 540)	300665	<b>TX300665</b>
Twin Disc (MG502, 506 & 507)	300665	<b>TX300665</b>

For two cables, except where otherwise noted. [1] = for use with one cable.

## Gear Shift Kit

For Newage PRM 310, 160 & 601 Gearboxes

- ◆ Cable enters from rear - push to forward detent
- ◆ For use with all SeaStar Controls with a 33C cable

Description	Seastar Part No	No
Includes: bracket x1, clamp bracket assembly x1, shim x1, clamp x1, screw 10-32 x2, washer x2, nut 10-32 x2, ball joint assembly x1	207299	<b>TX207299</b>



### Conduit Fitting [Hub] Adapter Kits for Panel/Utility Cables

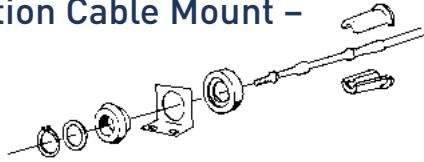


300673

Description	Seastar Part No	No
Bulkhead Adapter Kit – Panel Cables)	300673	<b>TX300673</b>

### Anti-Vibration Cable Mount – 3300/33C

TX294200-001



### Stop Collar – 3300/33C

TX037693



### Cable Brake – 3300/33C, 4300/43 & 6400/64 Cables

TX044386



### Eye Terminal Pin



38mm long, 8mm/ 5/16" diameter - **TX317413**



### Cable Nest & Connection Kit

Description	Seastar Part No	No
Cable end options: 3300/33C (universal), BRP/OMC/Johnson/Evinrude, Mercury/Mercruiser, Mercury GEN II	212151-003	<b>TX212151-003</b>



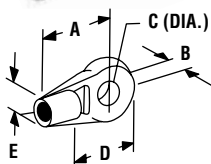
### Dual Station Fitting Kit

TX207580

### Mercruiser Sterndrive Kit

For 33C cables - **TX302123**

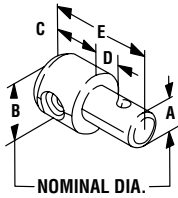
### Terminal Eyes



A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Cable Type	Seastar Part No	No
25.4	6	7.9	9.1	12.7	40XL/43C	041134	<b>TX041134</b>
34.9	7.9	7.9	9.1	12.7	33C	317413	<b>TX317413</b>
-	-	-	-	-	40XL/43C	037639	<b>TX037639</b>

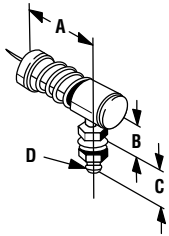


## Pivots



A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Cable Type	Seastar Part No	No
6.4	11.1	8.3	3.6	15.9	33C	031029	<b>TX031029</b>
6.4	11.1	8.3	7.5	19.8	33C	032392	<b>TX032392</b>
6.4	12.7	11.1	3.6	19.1	43C	036361	<b>TX036361</b>
6.4	12.7	12.7	6.7	23.8	43C	039110	<b>TX039110</b>

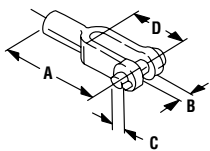
## Ball Joints



A (mm)	B (mm)	C (mm)	D (mm)	Cable Type	Seastar Part No	No
24.6	11.9	14.3	1/4 - 28 UNF-2A	33C	031126	<b>TX031126</b>
23	11.9	11.1	10 - 32 UNF-2A	33C	031799-001	<b>TX031799-001</b>
28.6	13.5	22.2	5/16 - 24 UNF-2A	33C	035242	<b>TX035242</b>
-	-	-	1/4 - 28 UNF-2A	33C	CA37701P	<b>TXCA37701</b>
23	11.9	11.1	1/4 - 28 UNF-2A	43C	029104	<b>TX029104</b>
28.6	13.5	17.5	5/16 - 24 UNF-2A	64C*	038491	<b>TX038491</b>

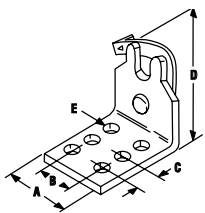
## Cable - Universal Clevis Kits

For two cables, except where otherwise noted.  
 (1) = for use with one cable.



A (mm)	B (mm)	C (mm)	D (mm)	Cable Type	Seastar Part No	No
39.7	4.8	4.8	25.4	33C	31800	<b>TX031800</b>
50.8	7.1	6.4	31.8	33C	31125	<b>TX031125</b>
57.2	8.7	7.9	36.5	33C	33395	<b>TX033395</b>
50.8	7.1	6.4	31.8	43C	29025	<b>TX029025</b>
57.2	8.7	7.9	36.5	43C	42212	<b>TX042212</b>

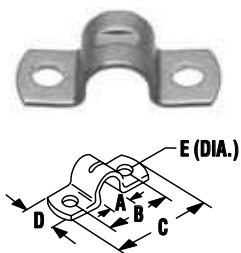
## Cable Hook Clips



A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Cable Type	Seastar Part No	No
25.4	12.7	9.5	38.1	5.1	33C	035531	<b>TX035531</b>
31.7	19	9.5	38.1	5.1	33C	036174	<b>TX036174</b>

TX035531 - Universal 3300/33C Inboard Connection Bracket (1) - (Old Morse® description: "Cable Hook Clip - Single")  
 TX036174 Univ. 3300/33C Cable Clip DS - (Old Morse® description: "Cable Hook Clip - Dual")

## Cable Clamps



A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Cable Type	Seastar Part No	No
9.5	25.4	38.1	12.7	5.1	33C	031509	<b>TX031509</b>
12.7	25.4	38.1	12.7	5.6	43C	031532	<b>TX031532</b>
14.3	31.8	44.5	15.9	7.1	64C	036733	<b>TX036733</b>

Univ. 3300/33C Clamp & Shim Kit (1) - **TXCA28020**  
 Shim for use with TX031523 43C clamp - **TX031538**

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