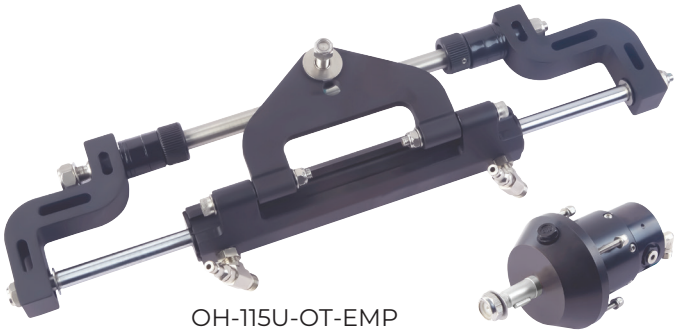
EMP®
ENGINEERED MARINE PRODUCTS

STEERING AND CONTROLS

2023 CATALOG

PACKAGED HYDRAULIC STEERING SYSTEMS

Hydraulic Steering System for Engines up to 115 HP



OH-115U-OT-EMP

This system includes the following items.

Model	Description	Quantity
HP-16	Flush Mount Hydraulic Helm Pump 5.6 turns lock-to-lock	1
OC-115U	Single Balanced Front Mount Cylinder	1
HO-150	Hydraulic Steering Fluid	2 Quarts

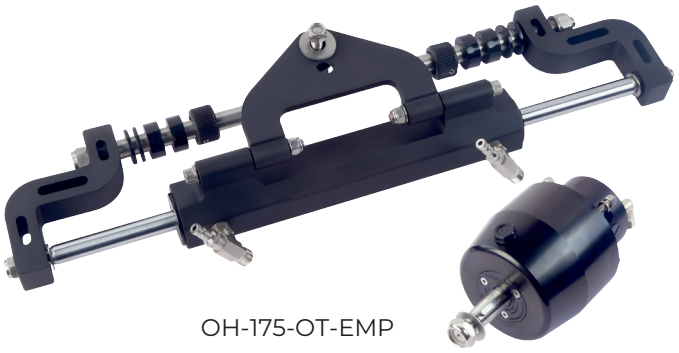
Hydraulic Steering System for Engines up to 350 HP

OH-350-OT-EMP

This system includes the following items.

Model	Description	Quantity
HP-27	Flush Mount Hydraulic Helm Pump 6.2 turns lock-to-lock	1
OC-350	Single Balanced Front Mount Cylinder	1
HO-150	Hydraulic Steering Fluid	2 Quarts

Hydraulic Steering System for Engines up to 175 HP



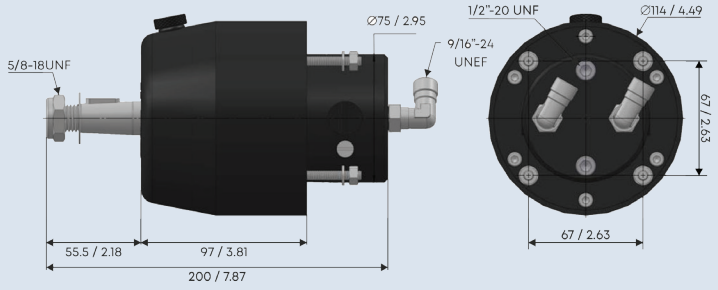
OH-175-OT-EMP

This system includes the following items.

Model	Description	Quantity
HP-20	Flush Mount Hydraulic Helm Pump 6.1 turns lock-to-lock	1
OC-175	Single Balanced Front Mount Cylinder	1
HO-150	Hydraulic Steering Fluid	2 Quarts

HP-27-EMP Hydraulic Helm Features:

- 7 piston design for smoother operation.
- Robust design.
- Ball bearing piston race.
- Built-in lock valve to safeguard feedback from the rudder.
- Integral Relief Valve to protect the steering system from excess pressure.
- 3/4" standard tapered shaft.
- Easily accessible lock valve seals and shaft seal for replacement.
- All helms include a pair of 90° adjustable chrome plated brass elbow fittings.
- The compensation ports are closed with a hex plug. These ports are used for 2nd station connections and autopilot returns, once the port plug is unscrewed.
- Mounting hardware and template are provided with helms.
- Helm mounting is designed in such a way that it is easily interchangeable with other brands.



FRONT MOUNT OUTBOARD CYLINDER

- Balanced cylinder: The number of turns (lock to lock) are equal from port to starboard.
- SS 316L hard chrome plated piston rod.
- SS 316L support rod.
- Anodized aluminum tube.
- Anodized aluminum support brackets.
- SS 316L fasteners - lock nuts/washers, etc.
- One cylinder fits 98% of engine applications.
- Includes a pair of 90° adjustable chrome plated brass elbow fittings.
- Robust design.
- Includes high strength tiller bolt to connect to engine tiller.

OC-350-EMP

STEERLYTE POWER ASSISTED STEERING

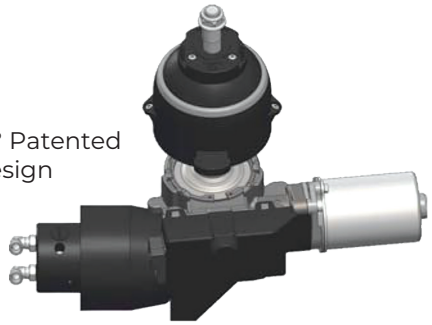
- Completely mitigates hand wheel torque.
- 100% silent. Absolutely no noise from steering that provides peace of mind.
- No external or additional hoses & fluid tanks are required.
- Bleeds like a standard hydro system.

Power Assist:

- Substantially reduces the driver's effort
- Easier to turn or maneuver the boat
- Hybrid system known as Electro-Hydraulic
- It works like a Electronic Power Assisted Steering System

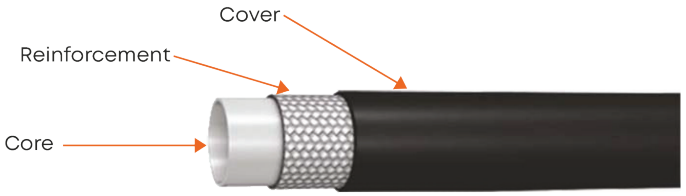
STEERLYTE PLUS 2: SteerLyte Power Steering without Cylinder
STEERLYTE PLUS: SteerLyte Power Steering with Cylinder (OC-350-EMP)

New 90° Patented Design



HYDRAULIC STEERING HOSE ASSEMBLY KITS

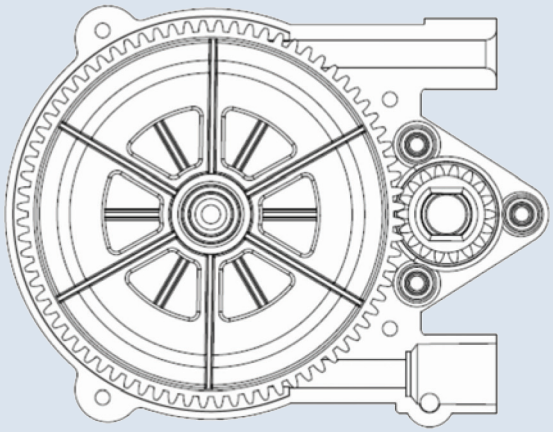
- Lightweight - 2X lighter than equivalent wire braided rubber hoses.
- Long life - Highly abrasion and kink resistant.
- Multi-layered design reinforced for strength.
- Very low thermal expansion properties.
- Exceeds SAE and ABYC Specifications.
- Factory swaged nichol plated fittings.
- **Working pressure:** 70 Bar / 1,500 psi.
- **Tube:** CoPolyester.
- **Reinforcement:** High-tensile polyester braid.
- **Cover:** Black marine grade urethane.
- **Hose ID:** 5/16".
- **Minimum Burst Pressure:** 6,000 psi.
- **Temperature:** -40° F to 212° F.
- **Minimum Bend Radius:** 2.60" (66mm).



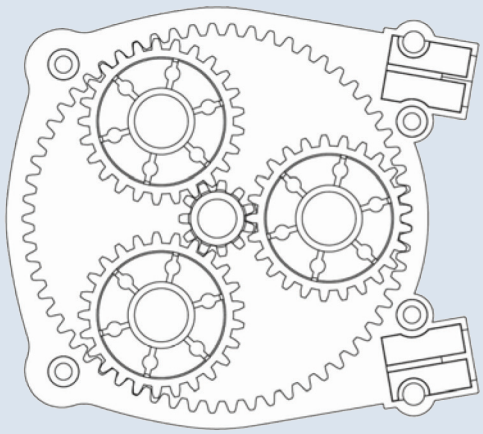
Part #	Replaces Dometic	Replaces Uflex	Description	Cable Length
12-TPG-EMP	HO-5712	KITOB-12	Hose Assembly Kit - 2 Each	12'
14-TPG-EMP	HO-5714	KITOB-14	Hose Assembly Kit - 2 Each	14'
16-TPG-EMP	HO-5716	KITOB-16	Hose Assembly Kit - 2 Each	16'
18-TPG-EMP	HO-5718	KITOB-18	Hose Assembly Kit - 2 Each	18'
20-TPG-EMP	HO-5720	KITOB-20	Hose Assembly Kit - 2 Each	20'
22-TPG-EMP	HO-5722	KITOB-22	Hose Assembly Kit - 2 Each	22'
24-TPG-EMP	HO-5724	KITOB-24	Hose Assembly Kit - 2 Each	24'

Planetary Gear Design Rotary Helm vs Tradition Rotary Helm

Traditional Rotary Steering uses a gear reduction design. This design uses only two gears, one small gear meshes externally with the larger drum gear and moves the inner helical core of the Steering Cable. This design is a sturdy design but is not as compact. This creates restrictive use in boats with small Dashboard.



Planetary Gear Design uses three planetary gears meshed internally which rotate on their own axis and also around the central Helm axis. This design ensures uniform distribution of the torque ensuring longer life of the Steering System with higher efficiency and lower feedback.



Planetary 150 Steering System Kits

Model	Description	Quantity
H1-EMP	Planetary 150 Steering Helm	1
SC-16-XX-EMP	Steering Cable Easy Connect	1
B1B-EMP	Bezel Kit with Black Cup (Hardware Included	1

Note: The steering wheel is not included in the kits.

Number of wheel turns:	4 (approximately)
Maximum steering wheel diameter:	16” (400mm)
Helm shaft length:	5” (125mm)
Steering cable maximum travel:	9” (230mm)
Steering cable minimum bend radius:	8” (200mm)
Maximum working load at tiller end:	5000 N (500kg)
Rating:	Up to 150 HP

Part #	Replaces Dometic	Replaces Uflex	Description	Cable Length
MS1-11-EMP	SS13711	FOURTECH-11	Planetary 150 Steering System Kit	11’
MS1-12-EMP	SS13712	FOURTECH-12	Planetary 150 Steering System Kit	12’
MS1-13-EMP	SS13713	FOURTECH-13	Planetary 150 Steering System Kit	13’
MS1-14-EMP	SS13714	FOURTECH-14	Planetary 150 Steering System Kit	14’
MS1-15-EMP	SS13715	FOURTECH-15	Planetary 150 Steering System Kit	15’
MS1-16-EMP	SS13716	FOURTECH-16	Planetary 150 Steering System Kit	16’
MS1-18-EMP	SS13718	FOURTECH-18	Planetary 150 Steering System Kit	18’
MS1-20-EMP	SS13720	FOURTECH-20	Planetary 150 Steering System Kit	20’

STICK STEERING SYSTEM KITS

- A Classic Stick Steering System commonly used in fishing boats to maximize usable space by eliminating the need for a helm.
- This EMP system has a maximum horsepower rating of 70HP / 90HP Jet and features a quicker turning ratio for faster response and a shorter travel distance from lock to lock.

Part #	Replaces Ezy-Glide	Description	Cable Length
MS7-11-EMP	870-1100	Stick Steering System	11’
MS7-12-EMP	870-1200	Stick Steering System	12’
MS7-13-EMP	870-1300	Stick Steering System	13’
MS7-14-EMP	870-1400	Stick Steering System	14’
MS7-15-EMP	870-1500	Stick Steering System	15’

EDGE EASY CONNECT STEERING CABLES

- High quality weather and abrasion resistant outer conduit.
- Internally lubricated helical Inner for frictionless movement.
- Works with H1 helms.
- Stainless steel output end fittings.
- Exceeds ISO 9975 Standards. Serial No. with manufacturing month and year is marked on the cable for quality control.
- Minimum steering cable bend radius: 7.9” (200mm).
- Stroke of cable: 9” (230mm).

Part #	Replaces Dometic	Replaces Uflex	Description	Cable Length
ESC-16-10-EMP	SSC6210	M90X10	Edge Easy Connect Cable	10’
ESC-16-11-EMP	SSC6211	M90X11	Edge Easy Connect Cable	11’
ESC-16-12-EMP	SSC6212	M90X12	Edge Easy Connect Cable	12’
ESC-16-13-EMP	SSC6213	M90X13	Edge Easy Connect Cable	13’
ESC-16-14-EMP	SSC6214	M90X14	Edge Easy Connect Cable	14’
ESC-16-15-EMP	SSC6215	M90X15	Edge Easy Connect Cable	15’
ESC-16-16-EMP	SSC6216	M90X16	Edge Easy Connect Cable	16’
ESC-16-18-EMP	SSC6218	M90X18	Edge Easy Connect Cable	18’
ESC-16-20-EMP	SSC6220	M90X20	Edge Easy Connect Cable	20’
ESC-16-22-EMP	SSC6222	M90X22	Edge Easy Connect Cable	22’

PLANETARY 150 MECHANICAL STEERING HELM

H1-EMP

- Rated for up to 150 HP applications.
- Compact planetary gear design with one central gear and three satellite gears that minimizes load.
- Helm cover: High pressure die cast aluminum alloy with highly anti-corrosive black powder coating.
- Gear, high pressure and grounded die cast zinc alloy.
- Standard 3/4” tapered shaft, galvanized steel.
- Lock-to-lock steering wheel turns: Approx. 4.1.
- Maximum allowable steering wheel diameter: 15” (380mm).
- Exceeds ISO 8848 Standards Serial No. with manufacturing month and year is marked on the Helm for quality control.
- Four optional and adjustable mounting positions for easier steering cable routing.
- Included in package with Planetary 150 Steering System Kits.

Model	Replaces Dometic	Replaces Uflex	Description
H1-EMP	SH5094-1P	T71FC	Standard Rotary Helm

MECHANICAL HELM WITH TILT MECHANISM

TM1-EMP

TM1-EMP

TH1-EMP

TH1-EMP

- Tilt range from 0° to 48° with five locking positions.
- Made of high quality corrosion resistant material.
- Light weight and robust design.
- Built-in lock valve and over-pressure valve.
- Stainless steel AISI 316L shaft.

Model	Replaces Dometic	Replaces Uflex	Description
TM1-EMP	SH91800P	X52 / X70	Tilt Mechanism
TH1-EMP	SHT91523-1P	T81FC	Standard Rotary Tilt / TM1 Tilt Not Included

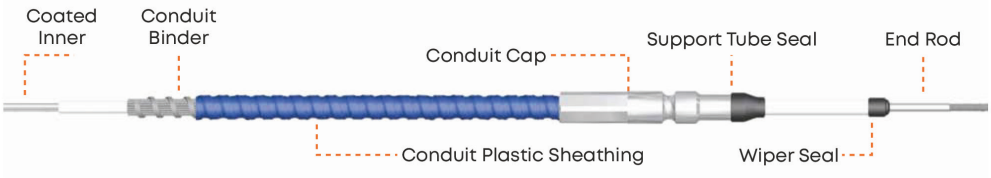
BEZEL KIT

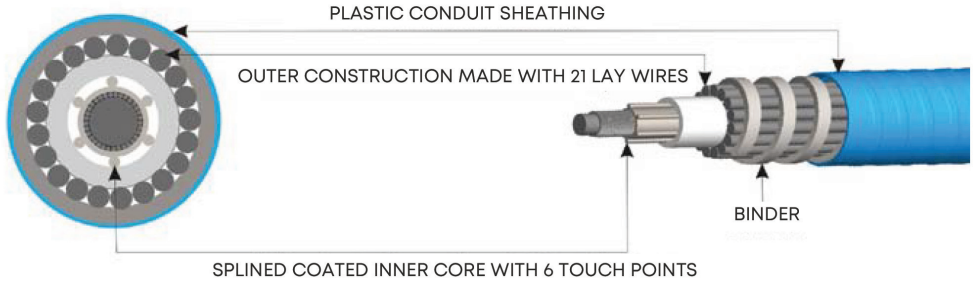
B1B-EMP

- High quality anti-breaking engineering plastic bezel.
- Includes all hardware to mount steering helm.
- Interchangeable with other brands.
- 90° mounting bezel available in black.
- Works with H1-EMP helm.

Model	Replaces Dometic	Replaces Uflex	Description
B1B-EMP	SB27484P	X34	Standard Rotary Helm

Edge Engine Control Cable Construction





- Special Edge Conduit - Unique design of conduit provides structural integrity and a tighter minimum bend radius.
- Improved Efficiency - Edge cables provide significantly greater efficiency due to our low-friction materials and construction.
- Minimal Backlash - Edge cables are built with the optimum gap between inner core and conduit, resulting in significantly less backlash.
- Low Friction Wiper Seal - EMP wiper seals are made from a polyurethane and impregnated with lifetime lubricant to minimize friction and extend service life.
- Cable Bend Radius - Edge cables have a minimum bend radius of 4 inches. However, we recommend keeping the bend radius as large as possible and the degree of bend to a minimum for optimal performance. Low friction wiper seal and the above features translates into improved efficiency with reduced operator effort when Edge cables are used.

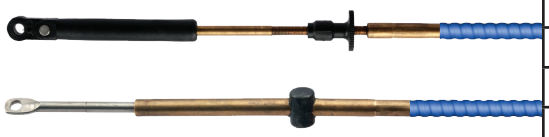
Universal 3300 Engine Control Cables

Part #	Replaces Dometic	Replaces Uflex	Description	Cable Length
EEC-133-08-EMP	CCX63308	MACH0X08	Universal 3300	8’
EEC-133-09-EMP	CCX63309	MACH0X09	Universal 3300	9’
EEC-133-10-EMP	CCX63310	MACH0X10	Universal 3300	10’
EEC-133-11-EMP	CCX63311	MACH0X11	Universal 3300	11’
EEC-133-12-EMP	CCX63312	MACH0X12	Universal 3300	12’
EEC-133-13-EMP	CCX63313	MACH0X13	Universal 3300	13’
EEC-133-14-EMP	CCX63314	MACH0X14	Universal 3300	14’
EEC-133-15-EMP	CCX63315	MACH0X15	Universal 3300	15’
EEC-133-16-EMP	CCX63316	MACH0X16	Universal 3300	16’
EEC-133-17-EMP	CCX63317	MACH0X17	Universal 3300	17’
EEC-133-18-EMP	CCX63318	MACH0X18	Universal 3300	18’
EEC-133-20-EMP	CCX63320	MACH0X20	Universal 3300	20’
EEC-133-22-EMP	CCX63322	MACH0X22	Universal 3300	22’
EEC-133-24-EMP	CCX63324	MACH0X24	Universal 3300	24’
EEC-133-26-EMP	CCX63326	MACH0X26	Universal 3300	26’
EEC-133-28-EMP	CCX63328	MACH0X28	Universal 3300	28’
EEC-133-30-EMP	CCX63330	MACH0X30	Universal 3300	30’

- **Application:** Outboard, inboard and sterndrive with relevant accessories.
- **Travel:** 3.54” (90mm).
- **Conduit:** .33” (8.4mm).
- **Inner:** .07” (1.9mm). SS-Solid Wire.
- **End thread:** 10-32 UNF.

EDGE SERIES ENGINE CONTROL CABLES

BRP, Evinrude (OMC) Engine Control Cables



- **Application:** BRP, Evinrude, OMC Engines manufactured post 1979.
- **Travel:** 3.14” (80mm).
- **Conduit:** .28” (7mm).
- **Inner:** .07” (1.9mm). SS-Solid Wire.

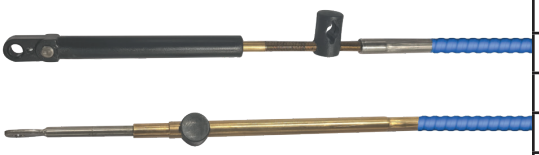
Part #	Replaces Dometic	Replaces Uflex	Description	Cable Length
EEC-014-10-EMP	CCX20510	MACH14X10	BRP - Post 1979	10’
EEC-014-11-EMP	CCX20511	MACH14X11	BRP - Post 1979	11’
EEC-014-12-EMP	CCX20512	MACH14X12	BRP - Post 1979	12’
EEC-014-13-EMP	CCX20513	MACH14X13	BRP - Post 1979	13’
EEC-014-14-EMP	CCX20514	MACH14X14	BRP - Post 1979	14’
EEC-014-15-EMP	CCX20515	MACH14X15	BRP - Post 1979	15’
EEC-014-16-EMP	CCX20516	MACH14X16	BRP - Post 1979	16’
EEC-014-17-EMP	CCX20517	MACH14X17	BRP - Post 1979	17’
EEC-014-18-EMP	CCX20518	MACH14X18	BRP - Post 1979	18’
EEC-014-20-EMP	CCX20520	MACH14X20	BRP - Post 1979	20’

Mercury, Mariner and Mercruiser Engine Control Cables

- **Application:** Mercury and Mercruiser Engines, Mercury Generation II Series Controls.
- **Travel:** 3.14” (80mm).
- **Conduit:** .28” (7mm).
- **Inner:** .07” (1.9mm). Solid Wire.

Part #	Replaces Dometic	Replaces Uflex	Description	Cable Length
EEC-036-10-EMP	CCX18910	MACH36X10	Merc Gen II Series	10’
EEC-036-11-EMP	CCX18911	MACH36X11	Merc Gen II Series	11’
EEC-036-12-EMP	CCX18912	MACH36X12	Merc Gen II Series	12’
EEC-036-13-EMP	CCX18913	MACH36X13	Merc Gen II Series	13’
EEC-036-14-EMP	CCX18914	MACH36X14	Merc Gen II Series	14’
EEC-036-15-EMP	CCX18915	MACH36X15	Merc Gen II Series	15’
EEC-036-16-EMP	CCX18916	MACH36X16	Merc Gen II Series	16’
EEC-036-17-EMP	CCX18917	MACH36X17	Merc Gen II Series	17’
EEC-036-18-EMP	CCX18918	MACH36X18	Merc Gen II Series	18’
EEC-036-20-EMP	CCX18920	MACH36X20	Merc Gen II Series	20’
EEC-036-22-EMP	CCX18922	MACH36X22	Merc Gen II Series	22’
EEC-036-24-EMP	CCX18924	MACH36X24	Merc Gen II Series	24’

Mercury, Mariner and Mercruiser Engine Control Cables



- **Application:** Mercury and Mercruiser Engines.
- **Travel:** 3.82” (97mm).
- **Conduit:** .28” (7mm).
- **Inner:** .07” (1.9mm). SS-Solid Wire.

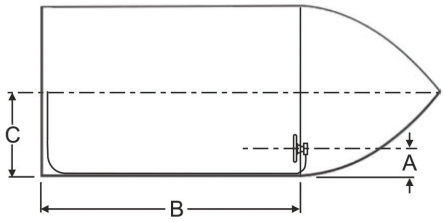
Part #	Replaces Dometic	Replaces Uflex	Description	Cable Length
EEC-005-10-EMP	CCX17910	MACH05X10	Merc Standard	10’
EEC-005-11-EMP	CCX17911	MACH05X11	Merc Standard	11’
EEC-005-12-EMP	CCX17912	MACH05X12	Merc Standard	12’
EEC-005-13-EMP	CCX17913	MACH05X13	Merc Standard	13’
EEC-005-14-EMP	CCX17914	MACH05X14	Merc Standard	14’
EEC-005-15-EMP	CCX17915	MACH05X15	Merc Standard	15’
EEC-005-16-EMP	CCX17916	MACH05X16	Merc Standard	16’
EEC-005-17-EMP	CCX17917	MACH05X17	Merc Standard	17’
EEC-005-18-EMP	CCX17918	MACH05X18	Merc Standard	18’
EEC-005-20-EMP	CCX17920	MACH05X20	Merc Standard	20’
EEC-005-22-EMP	CCX17922	MACH05X22	Merc Standard	22’
EEC-005-24-EMP	CCX17924	MACH05X24	Merc Standard	24’

HOW TO MEASURE A NEW STEERING CABLE

Once you have selected the steering system, it is now required to measure the length of the required steering cable. Each boat has a specific requirement of cable length which depends on the length of the boat and the routing of the cable.

The required steering cable length should be measured as below

- Measure the dimensions: A, B and C in centimeters.
- Ascertain how many 90° bends does the cable have in the routing.
- Ascertain whether the cable installation is:
  - Through Engine Tilt Tube
  - Transom Support
  - Splashwell Mounting



Use the following method for calculating the steering cable length

1. For installation through Engine Tilt Tube: (Diagram 1).
   - Add dimensions A + B + C
   - Subtract 10 cm from the above total for each 90° bend in the cable routing
   - Add 30.5 cm to the above figure you have the required length of the steering cable in centimeter. If you wish to order in feet, divide the above by 30.5 and round the figure to next foot.

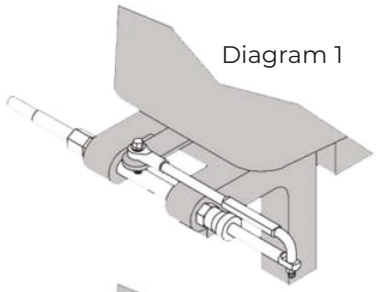


Diagram 1

Example:
If A = 100 cm, B = 200 cm, C = 60 cm. Assume there are two 90° bends in the routing. The length of the required cable shall be: 100 + 200 + 60 = 360. Subtract 20 cms on account of two 90° bends 360 - 20 = 340. Add 30.5 on account of Tilt Tube installation 340 + 30.5 = 370.50 cm. For cable length in feet: 370.5 / 30.5 = 12.14 Round off = 13 feet.

2. For Tramsom Support and Splashwell Mounting installation: (Diagram 2 & 3).
   - Add dimensions A + B + C
   - Subtract 10 cm from the above total for each 90° bend in the cable routing. You have the required length of the steering cable in centimeter. If you wish to order in feet, divide the above by 30.5 and round the figure to next foot.

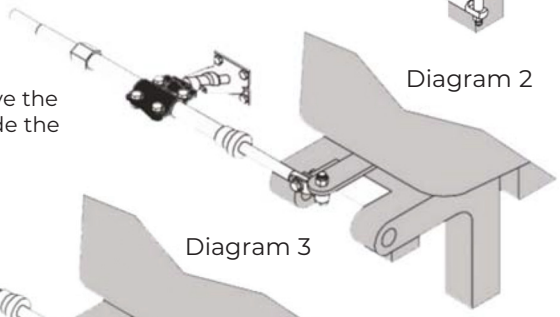


Diagram 2

Example:
If A = 100 cm, B = 200 cm, C = 60 cm. Assume there are two 90° bends in the routing. The length of the required cable shall be: 100 + 200 + 60 = 360. Subtract 20 cms on account of two 90° bends 360 - 20 = 340 cm. For cable length in feet: 340 / 30.5 = 11.14 Round off = 12 feet.

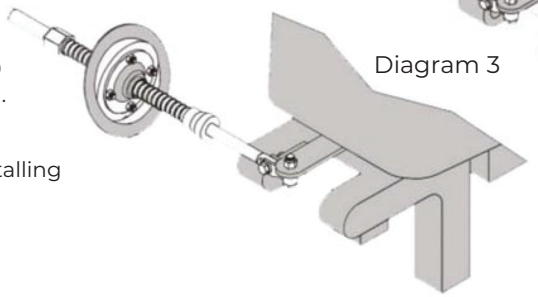


Diagram 3

Note: It is advised to consult a qualified technician while selecting, installing or servicing the steering system on your boat.

How to measure engine control cable for new installation

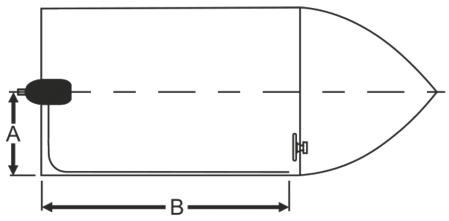
- Measure length A + B in feet. This is the distance from the control head to the clutch or throttle connection.
- Ensure that the path is straight line and has no obstructions along the routing.
- Round off the total A + B to the next whole feet which is the cable length.

Note: For outboard engine installations add 3' to the obtained length to allow engine movements.

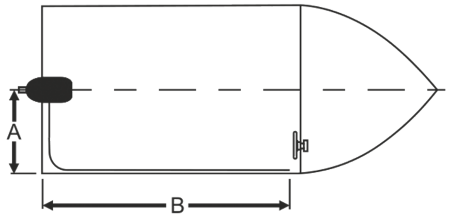
For Replacement Cable:
- Measure the length of the cable from end to end in feet.
- Round off the length to the next whole feet.

Note: For engine cable installation the recommended minimum bend radius is approximate 8" (200 mm).

Outboard: A + B + 3' (90 cm) = L

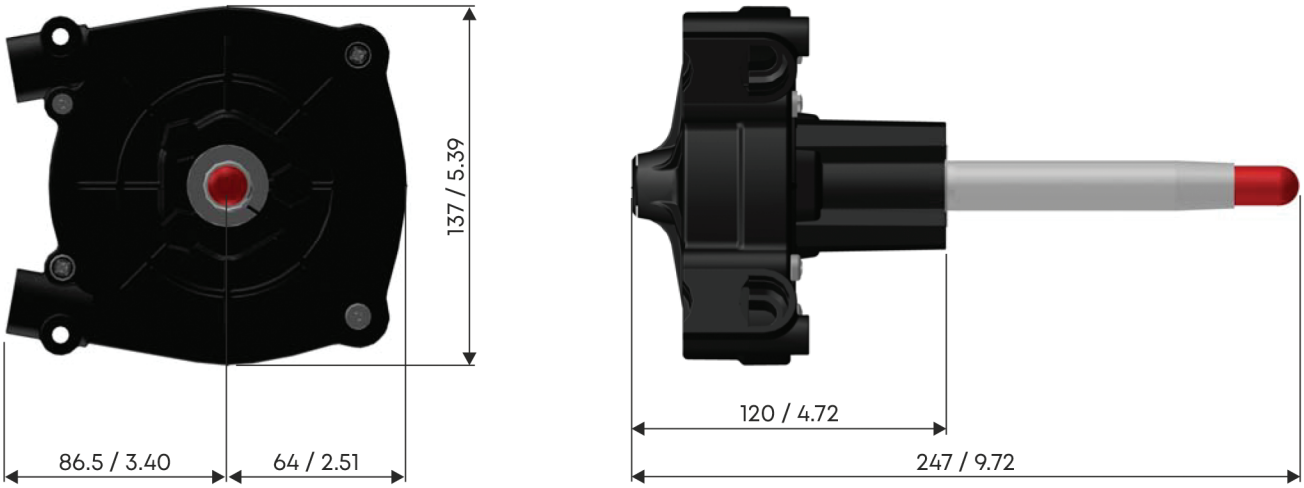


Inboard/Sterndrive: A + B = L

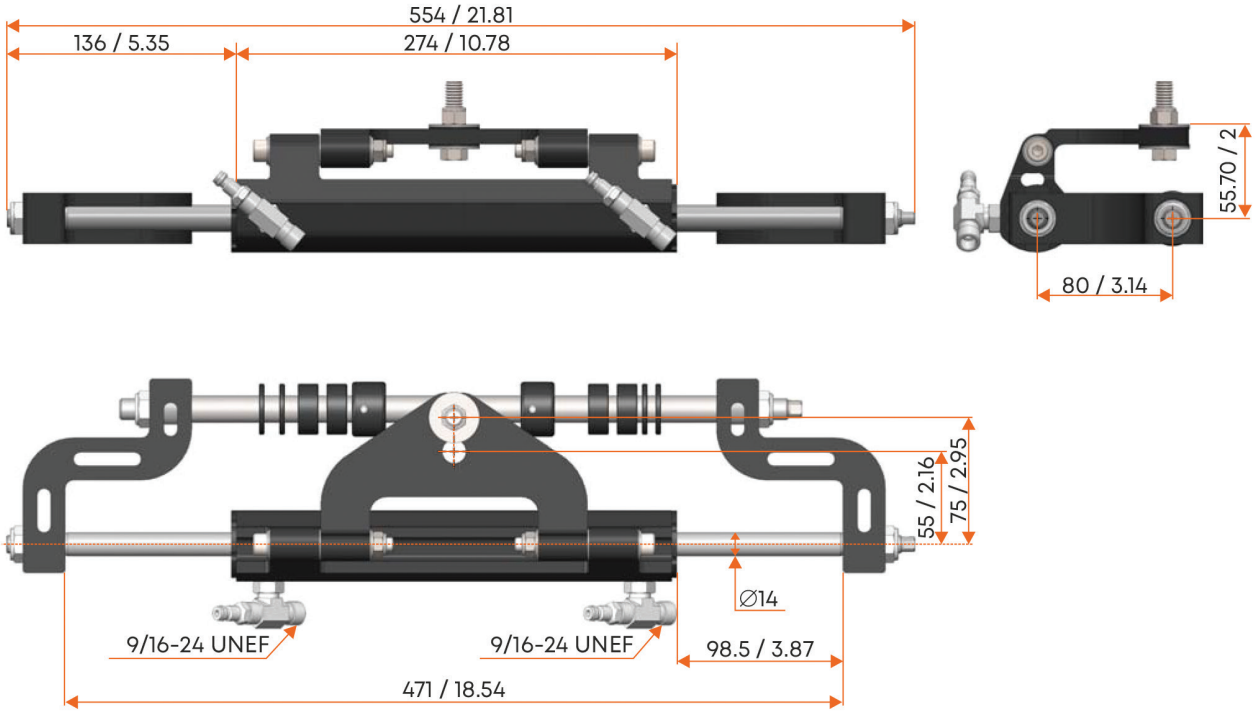


PRODUCT DRAWINGS

Mechanical Steering Helm - H1-EMP

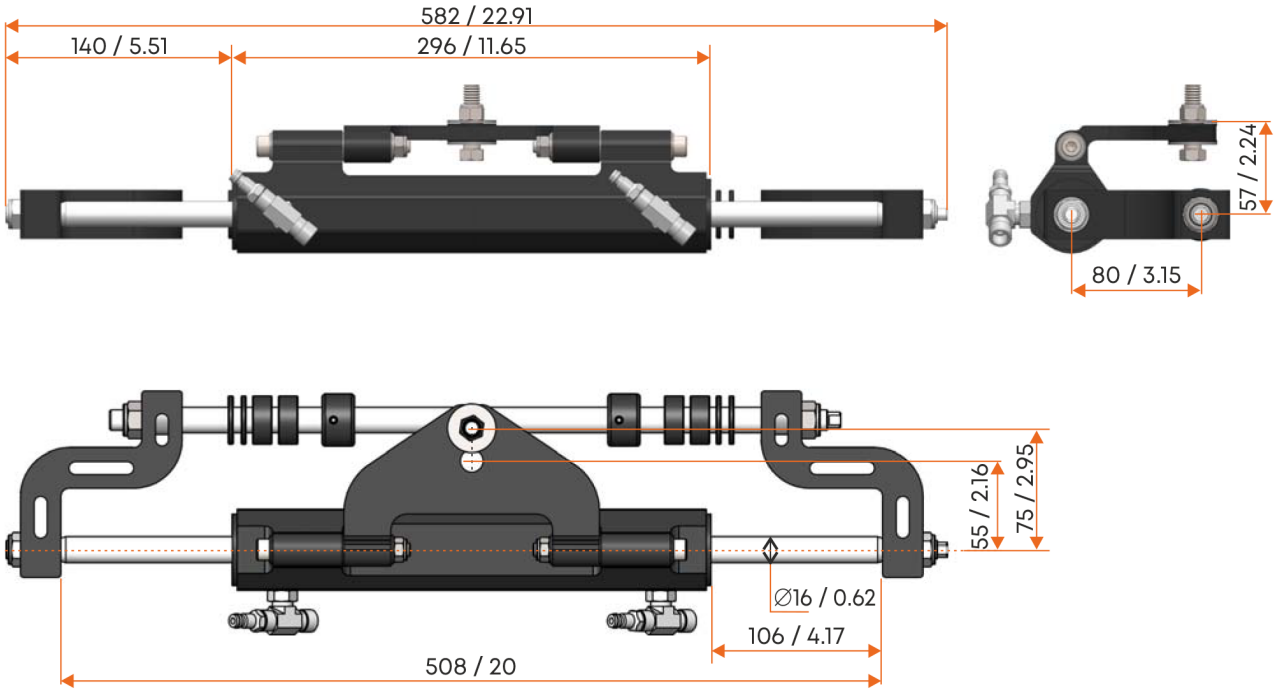


Hydraulic Steering Cylinder (OC-115U-EMP)

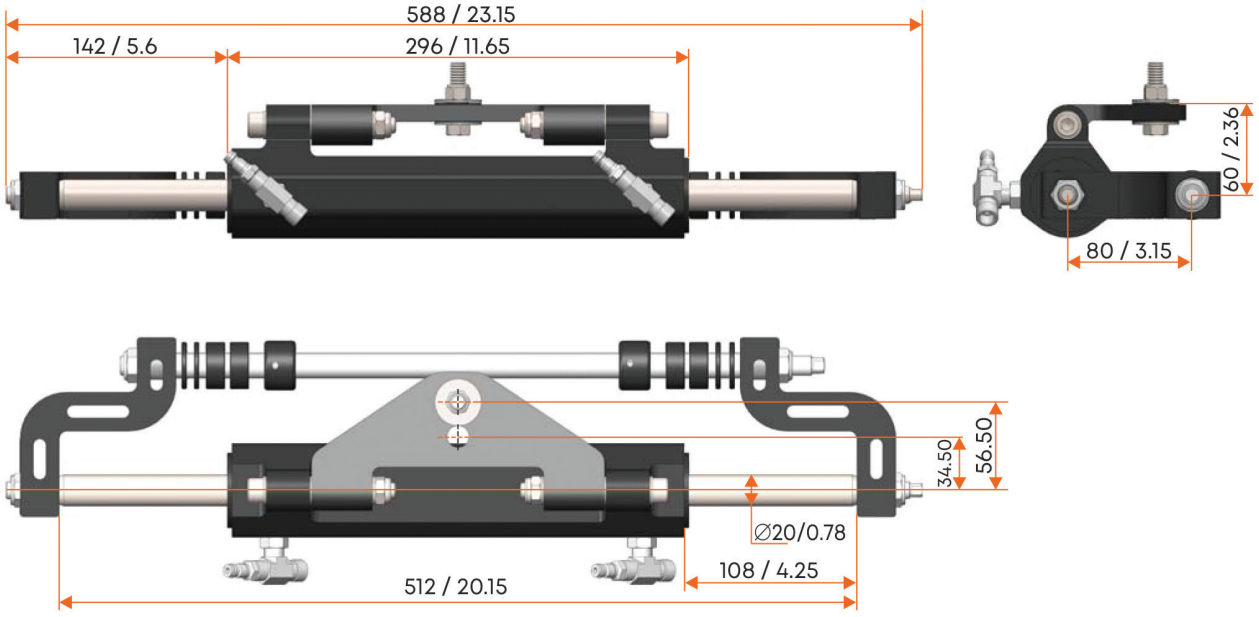


Note: Dimensions are length in mm / inches.

Hydraulic Steering Cylinder (OC-175-EMP)



Hydraulic Steering Cylinder (OC-350-EMP)



Note: Dimensions are length in mm / inches.

COMPETITIVE INTERCHANGE

BRP/Evinrude/Johnson	EMP Part #	Description
0770818	B1B-EMP	90° Bezel - Black
0776842	EEC-005-11-EMP	Edge Merc Standard - 11’
0776843	EEC-005-12-EMP	Edge Merc Standard - 12’
0776845	EEC-005-14-EMP	Edge Merc Standard - 14’
0776846	EEC-005-15-EMP	Edge Merc Standard - 15’
0776847	EEC-005-16-EMP	Edge Merc Standard - 16’
0776849	EEC-005-18-EMP	Edge Merc Standard - 18’
0776851	EEC-005-20-EMP	Edge Merc Standard - 20’
0776852	EEC-005-22-EMP	Edge Merc Standard - 22’
0173111	EEC-014-10-EMP	BRP Post Control Cable 1979 - 10’
0173112	EEC-014-11-EMP	BRP Post Control Cable 1979 - 11’
0173113	EEC-014-12-EMP	BRP Post Control Cable 1979 - 12’
0173114	EEC-014-13-EMP	BRP Post Control Cable 1979 - 13’
0173115, 0764115	EEC-014-14-EMP	BRP Post Control Cable 1979 - 14’
0173116, 0764116	EEC-014-15-EMP	BRP Post Control Cable 1979 - 15’
0173117, 0764117	EEC-014-16-EMP	BRP Post Control Cable 1979 - 16’
0173118, 0764118	EEC-014-17-EMP	BRP Post Control Cable 1979 - 17’
0173120, 0764120	EEC-014-18-EMP	BRP Post Control Cable 1979 - 18’
0770839	ESC-16-10-EMP	Edge Easy Connect Steering Cable - 10’
0770823	H1-EMP	Standard Rotary Helm
0770840	MS1-11-EMP	Planetary 150 - Packaged Steering System - 11’
0770841	MS1-12-EMP	Planetary 150 - Packaged Steering System - 12’
0770842	MS1-13-EMP	Planetary 150 - Packaged Steering System - 13’
0770843	MS1-14-EMP	Planetary 150 - Packaged Steering System - 14’
0770844	MS1-15-EMP	Planetary 150 - Packaged Steering System - 15’
0770845	MS1-16-EMP	Planetary 150 - Packaged Steering System - 16’
0770847	MS1-18-EMP	Planetary 150 - Packaged Steering System - 18’
0770849	MS1-20-EMP	Planetary 150 - Packaged Steering System - 20’

Honda	EMP Part #	Description
24908-ZY3-7100	EEC-133-08-EMP	Edge 3300 Control Cable - 8’
24909-ZY3-7100	EEC-133-09-EMP	Edge 3300 Control Cable - 9’
24910-ZY3-7100	EEC-133-10-EMP	Edge 3300 Control Cable - 10’
24910-ZW1-004XT	EEC-133-10-EMP	Edge 3300 Control Cable - 10’
24910-ZY3-003	EEC-133-10-EMP	Edge 3300 Control Cable - 10’
24911-ZY3-7100	EEC-133-11-EMP	Edge 3300 Control Cable - 11’
24911-ZW1-004XT	EEC-133-11-EMP	Edge 3300 Control Cable - 11’
24911-ZY3-003	EEC-133-11-EMP	Edge 3300 Control Cable - 11’
24912-ZY3-7100	EEC-133-12-EMP	Edge 3300 Control Cable - 12’
24912-ZW1-004XT	EEC-133-12-EMP	Edge 3300 Control Cable - 12’
24912-ZY3-003	EEC-133-12-EMP	Edge 3300 Control Cable - 12’
24913-ZY3-7100	EEC-133-13-EMP	Edge 3300 Control Cable - 13’
24913-ZW1-004XT	EEC-133-13-EMP	Edge 3300 Control Cable - 13’
24913-ZY3-003	EEC-133-13-EMP	Edge 3300 Control Cable - 13’
24914-ZY3-7100	EEC-133-14-EMP	Edge 3300 Control Cable - 14’
24914-ZW1-004XT	EEC-133-14-EMP	Edge 3300 Control Cable - 14’
24914-ZY3-003	EEC-133-14-EMP	Edge 3300 Control Cable - 14’
24915-ZY3-7100	EEC-133-15-EMP	Edge 3300 Control Cable - 15’

Honda (cont.)	EMP Part #	Description
24915-ZW1-004XT	EEC-133-15-EMP	Edge 3300 Control Cable - 15’
24915-ZY3-003	EEC-133-15-EMP	Edge 3300 Control Cable - 15’
24916-ZY3-7100	EEC-133-16-EMP	Edge 3300 Control Cable - 16’
24916-ZW1-004XT	EEC-133-16-EMP	Edge 3300 Control Cable - 16’
24917-ZY3-7100	EEC-133-17-EMP	Edge 3300 Control Cable - 17’
24917-ZW1-004XT	EEC-133-17-EMP	Edge 3300 Control Cable - 17’
24917-ZY3-003	EEC-133-17-EMP	Edge 3300 Control Cable - 17’
24918-ZY3-7100	EEC-133-18-EMP	Edge 3300 Control Cable - 18’
24918-ZW1-004XT	EEC-133-18-EMP	Edge 3300 Control Cable - 18’
24920-ZY3-7100	EEC-133-20-EMP	Edge 3300 Control Cable - 20’
24920-ZW1-004XT	EEC-133-20-EMP	Edge 3300 Control Cable - 20’
24922-ZY3-7100	EEC-133-22-EMP	Edge 3300 Control Cable - 22’
24922-ZW1-004XT	EEC-133-22-EMP	Edge 3300 Control Cable - 22’
24924-ZY3-7100	EEC-133-24-EMP	Edge 3300 Control Cable - 24’
24924-ZW1-004XT	EEC-133-24-EMP	Edge 3300 Control Cable - 24’
24926-ZY3-7100	EEC-133-26-EMP	Edge 3300 Control Cable - 26’
24926-ZW1-004XT	EEC-133-26-EMP	Edge 3300 Control Cable - 26’
24926-ZY3-003	EEC-133-26-EMP	Edge 3300 Control Cable - 26’
24928-ZY3-7100	EEC-133-28-EMP	Edge 3300 Control Cable - 28’
24928-ZW1-004XT	EEC-133-28-EMP	Edge 3300 Control Cable - 28’
24930-ZY3-7100	EEC-133-30-EMP	Edge 3300 Control Cable - 30’
24930-ZW1-004XT	EEC-133-30-EMP	Edge 3300 Control Cable - 30’

Mercury	EMP Part #	Description
8M0053482	12-TPG-EMP	Hose Assembly Kit: 2 each 12'
8M0053483	14-TPG-EMP	Hose Assembly Kit: 2 each 14'
8M0053484	16-TPG-EMP	Hose Assembly Kit: 2 each 16'
8M0053485	18-TPG-EMP	Hose Assembly Kit: 2 each 18'
8M0053486	20-TPG-EMP	Hose Assembly Kit: 2 each 20'
8M0053487	22-TPG-EMP	Hose Assembly Kit: 2 each 22'
8M0053488	24-TPG-EMP	Hose Assembly Kit: 2 each 24'
64-826465	B1B-EMP	90° Bezel - Black
897977A10, 8M0082483	EEC-005-10-EMP	Edge Merc Standard 10’
897977A11, 8M0082484	EEC-005-11-EMP	Edge Merc Standard 11’
897977A12, 8M0082485	EEC-005-12-EMP	Edge Merc Standard 12’
897977A13, 8M0082486	EEC-005-13-EMP	Edge Merc Standard 13’
897977A14, 8M0082487	EEC-005-14-EMP	Edge Merc Standard 14’
897977A15, 8M0082488	EEC-005-15-EMP	Edge Merc Standard 15’
897977A16, 8M0082489	EEC-005-16-EMP	Edge Merc Standard 16’
897977A17, 8M008249	EEC-005-17-EMP	Edge Merc Standard 17’
897977A18, 8M0082491	EEC-005-18-EMP	Edge Merc Standard 18’
897977A20, 8M0082493	EEC-005-20-EMP	Edge Merc Standard 20’
897977A22, 8M0082495	EEC-005-22-EMP	Edge Merc Standard 22’
897977A24, 8M00824947	EEC-005-24-EMP	Edge Merc Standard 24
897978A10, 8M0082533	EEC-036-10-EMP	Edge Merc GEN II - 10’
897978A11, 8M0082534	EEC-036-11-EMP	Edge Merc GEN II - 11’
897978A12, 8M0082535	EEC-036-12-EMP	Edge Merc GEN II - 12’
897978A13, 8M0082536	EEC-036-13-EMP	Edge Merc GEN II - 13’

COMPETITIVE INTERCHANGE

Mercury (cont.)	EMP Part #	Description
897978A14, 8M0082537	EEC-036-14-EMP	Edge Merc GEN II - 14’
897978A15, 8M0082538	EEC-036-15-EMP	Edge Merc GEN II - 15’
897978A16, 8M0082539	EEC-036-16-EMP	Edge Merc GEN II - 16’
897978A17, 8M0082540	EEC-036-17-EMP	Edge Merc GEN II - 17’
897978A18, 8M0082541	EEC-036-18-EMP	Edge Merc GEN II - 18’
897978A20, 8M0082543	EEC-036-20-EMP	Edge Merc GEN II - 20’
897978A22, 8M0082545	EEC-036-22-EMP	Edge Merc GEN II - 22’
897978A24, 8M0082547	EEC-036-24-EMP	Edge Merc GEN II - 24’
897979A08	EEC-133-08-EMP	Edge 3300 Control Cable - 8’
897979A09	EEC-133-09-EMP	Edge 3300 Control Cable - 9’
897979A10	EEC-133-10-EMP	Edge 3300 Control Cable - 10’
897979A11	EEC-133-11-EMP	Edge 3300 Control Cable - 11’
897979A12	EEC-133-12-EMP	Edge 3300 Control Cable - 12’
897979A13	EEC-133-13-EMP	Edge 3300 Control Cable - 13’
897979A14	EEC-133-14-EMP	Edge 3300 Control Cable - 14’
897979A15	EEC-133-15-EMP	Edge 3300 Control Cable - 15’
897979A16	EEC-133-16-EMP	Edge 3300 Control Cable - 16’
897979A17	EEC-133-17-EMP	Edge 3300 Control Cable - 17’
897979A18	EEC-133-18-EMP	Edge 3300 Control Cable - 18’
897979A20	EEC-133-20-EMP	Edge 3300 Control Cable - 20’
897979A22	EEC-133-22-EMP	Edge 3300 Control Cable - 22’
897979A24	EEC-133-24-EMP	Edge 3300 Control Cable - 24’
897979A26	EEC-133-26-EMP	Edge 3300 Control Cable - 26’
897979A28	EEC-133-28-EMP	Edge 3300 Control Cable - 28’
897979A30	EEC-133-30-EMP	Edge 3300 Control Cable - 30’
64-851621A10	ESC-16-10-EMP	Edge Easy Connect Steering Cable - 10’
64-826476A11	ESC-16-11-EMP	Edge Easy Connect Steering Cable - 11’
64-826476A12	ESC-16-12-EMP	Edge Easy Connect Steering Cable - 12’
64-826476A13	ESC-16-13-EMP	Edge Easy Connect Steering Cable - 13’
64-826476A14	ESC-16-14-EMP	Edge Easy Connect Steering Cable - 14’
64-826476A15	ESC-16-15-EMP	Edge Easy Connect Steering Cable - 15’
64-826476A16	ESC-16-16-EMP	Edge Easy Connect Steering Cable - 16’
64-851621A16	ESC-16-16-EMP	Edge Easy Connect Steering Cable - 16’
64-826476A18	ESC-16-18-EMP	Edge Easy Connect Steering Cable - 18’
64-851621A18	ESC-16-18-EMP	Edge Easy Connect Steering Cable - 18’
64-826476A20	ESC-16-20-EMP	Edge Easy Connect Steering Cable - 20’
64-851621A20	ESC-16-20-EMP	Edge Easy Connect Steering Cable - 20’
64-851621A22	ESC-16-22-EMP	Edge Easy Connect Steering Cable - 22’
64-826472A1	H1-EMP	Standard Rotary Helm
64-826472A11	MS1-11-EMP	Planetary 150 - Packaged Steering System - 11’
64-826472A12	MS1-12-EMP	Planetary 150 - Packaged Steering System - 12’
64-826472A13	MS1-13-EMP	Planetary 150 - Packaged Steering System - 13’
64-826472A14	MS1-14-EMP	Planetary 150 - Packaged Steering System - 14’
64-826472A15	MS1-15-EMP	Planetary 150 - Packaged Steering System - 15’
64-826472A16	MS1-16-EMP	Planetary 150 - Packaged Steering System - 16’
64-826472A18	MS1-18-EMP	Planetary 150 - Packaged Steering System - 18’
64-826472A20	MS1-20-EMP	Planetary 150 - Packaged Steering System - 20’
8M0050097	OC-350-EMP	Front Mount Outboard Cylinder - Up to 350 HP

Suzuki	EMP Part #	Description
990C0-11002-008	EEC-133-08-EMP	Edge 3300 Control Cable - 8’
990C0-11002-009	EEC-133-09-EMP	Edge 3300 Control Cable - 9’
990C0-11002-010	EEC-133-10-EMP	Edge 3300 Control Cable - 10’
990C0-11002-011	EEC-133-11-EMP	Edge 3300 Control Cable - 11’
990C0-11002-012	EEC-133-12-EMP	Edge 3300 Control Cable - 12’
990C0-11002-013	EEC-133-13-EMP	Edge 3300 Control Cable - 13’
990C0-11002-014	EEC-133-14-EMP	Edge 3300 Control Cable - 14’
990C0-11002-015	EEC-133-15-EMP	Edge 3300 Control Cable - 15’
990C0-11002-016	EEC-133-16-EMP	Edge 3300 Control Cable - 16’
990C0-11002-017	EEC-133-17-EMP	Edge 3300 Control Cable - 17’
990C0-11002-018	EEC-133-18-EMP	Edge 3300 Control Cable - 18’
990C0-11002-020	EEC-133-20-EMP	Edge 3300 Control Cable - 20’
990C0-11002-022	EEC-133-22-EMP	Edge 3300 Control Cable - 22’
990C0-11002-024	EEC-133-24-EMP	Edge 3300 Control Cable - 24’
990C0-11002-026	EEC-133-26-EMP	Edge 3300 Control Cable - 26’
990C0-11002-028	EEC-133-28-EMP	Edge 3300 Control Cable - 28’
990C0-11002-030	EEC-133-30-EMP	Edge 3300 Control Cable - 30’

Dometic/Seastar	EMP Part #	Description
HO-5712	12-TPG-EMP	Hose Assembly Kit: 2 each 12'
HO-5714	14-TPG-EMP	Hose Assembly Kit: 2 each 14'
HO-5716	16-TPG-EMP	Hose Assembly Kit: 2 each 16'
HO-5718	18-TPG-EMP	Hose Assembly Kit: 2 each 18'
HO-5720	20-TPG-EMP	Hose Assembly Kit: 2 each 20'
HO-5722	22-TPG-EMP	Hose Assembly Kit: 2 each 22'
HO-5724	24-TPG-EMP	Hose Assembly Kit: 2 each 24'
SB27484P	B1B-EMP	90° Bezel - Black
CCX17910	EEC-005-10-EMP	Edge Merc Standard 10’
CCX17911	EEC-005-11-EMP	Edge Merc Standard 11’
CCX17912	EEC-005-12-EMP	Edge Merc Standard 12’
CCX17913	EEC-005-13-EMP	Edge Merc Standard 13’
CCX17914	EEC-005-14-EMP	Edge Merc Standard 14’
CCX17915	EEC-005-15-EMP	Edge Merc Standard 15’
CCX17916	EEC-005-16-EMP	Edge Merc Standard 16’
CCX17917	EEC-005-17-EMP	Edge Merc Standard 17’
CCX17918	EEC-005-18-EMP	Edge Merc Standard 18’
CCX17920	EEC-005-20-EMP	Edge Merc Standard 20’
CCX17922	EEC-005-22-EMP	Edge Merc Standard 22’
CCX17924	EEC-005-24-EMP	Edge Merc Standard 24’
CCX20510	EEC-014-10-EMP	BRP Post Control Cable 1979 - 10’
CCX20511	EEC-014-11-EMP	BRP Post Control Cable 1979 - 11’
CCX20512	EEC-014-12-EMP	BRP Post Control Cable 1979 - 12’
CCX20513	EEC-014-13-EMP	BRP Post Control Cable 1979 - 13’
CCX20514	EEC-014-14-EMP	BRP Post Control Cable 1979 - 14’
CCX20515	EEC-014-15-EMP	BRP Post Control Cable 1979 - 15’
CCX20516	EEC-014-16-EMP	BRP Post Control Cable 1979 - 16’
CCX20517	EEC-014-17-EMP	BRP Post Control Cable 1979 - 17’
CCX20518	EEC-014-18-EMP	BRP Post Control Cable 1979 - 18’

COMPETITIVE INTERCHANGE

Dometic/Seastar (cont.)	EMP Part #	Description
CCX20520	EEC-014-20-EMP	BRP Post Control Cable 1979 - 20’
CCX18910	EEC-036-10-EMP	Edge Merc GEN II - 10’
CCX18911	EEC-036-11-EMP	Edge Merc GEN II - 11’
CCX18912	EEC-036-12-EMP	Edge Merc GEN II - 12’
CCX18913	EEC-036-13-EMP	Edge Merc GEN II - 13’
CCX18914	EEC-036-14-EMP	Edge Merc GEN II - 14’
CCX18915	EEC-036-15-EMP	Edge Merc GEN II - 15’
CCX18916	EEC-036-16-EMP	Edge Merc GEN II - 16’
CCX18917	EEC-036-17-EMP	Edge Merc GEN II - 17’
CCX18918	EEC-036-18-EMP	Edge Merc GEN II - 18’
CCX18920	EEC-036-20-EMP	Edge Merc GEN II - 20’
CCX18922	EEC-036-22-EMP	Edge Merc GEN II - 22’
CCX18924	EEC-036-24-EMP	Edge Merc GEN II - 24’
CCX63308	EEC-133-08-EMP	Edge 3300 Control Cable - 8’
CCX63309	EEC-133-09-EMP	Edge 3300 Control Cable - 9’
CCX63310	EEC-133-10-EMP	Edge 3300 Control Cable - 10’
CCX63311	EEC-133-11-EMP	Edge 3300 Control Cable - 11’
CCX63312	EEC-133-12-EMP	Edge 3300 Control Cable - 12’
CCX63313	EEC-133-13-EMP	Edge 3300 Control Cable - 13’
CCX63314	EEC-133-14-EMP	Edge 3300 Control Cable - 14’
CCX63315	EEC-133-15-EMP	Edge 3300 Control Cable - 15’
CCX63316	EEC-133-16-EMP	Edge 3300 Control Cable - 16’
CCX63317	EEC-133-17-EMP	Edge 3300 Control Cable - 17’
CCX63318	EEC-133-18-EMP	Edge 3300 Control Cable - 18’
CCX63320	EEC-133-20-EMP	Edge 3300 Control Cable - 20’
CCX63322	EEC-133-22-EMP	Edge 3300 Control Cable - 22’
CCX63324	EEC-133-24-EMP	Edge 3300 Control Cable - 24’
CCX63326	EEC-133-26-EMP	Edge 3300 Control Cable - 26’
CCX63328	EEC-133-28-EMP	Edge 3300 Control Cable - 28’
CCX63330	EEC-133-30-EMP	Edge 3300 Control Cable - 30’
SSC6210	ESC-16-10-EMP	Edge Easy Connect Steering Cable - 10’
SSC6211	ESC-16-11-EMP	Edge Easy Connect Steering Cable - 11’
SSC6212	ESC-16-12-EMP	Edge Easy Connect Steering Cable - 12’
SSC6213	ESC-16-13-EMP	Edge Easy Connect Steering Cable - 13’
SSC6214	ESC-16-14-EMP	Edge Easy Connect Steering Cable - 14’
SSC6215	ESC-16-15-EMP	Edge Easy Connect Steering Cable - 15’
SSC6216	ESC-16-16-EMP	Edge Easy Connect Steering Cable - 16’
SSC6218	ESC-16-18-EMP	Edge Easy Connect Steering Cable - 18’
SSC6220	ESC-16-20-EMP	Edge Easy Connect Steering Cable - 20’
SSC6222	ESC-16-22-EMP	Edge Easy Connect Steering Cable - 22’
SH5094-1P	H1-EMP	Standard Rotary Helm
SS13711	MS1-11-EMP	Planetary 150 - Packaged Steering System - 11’
SS13712	MS1-12-EMP	Planetary 150 - Packaged Steering System - 12’
SS13713	MS1-13-EMP	Planetary 150 - Packaged Steering System - 13’
SS13714	MS1-14-EMP	Planetary 150 - Packaged Steering System - 14’
SS13715	MS1-15-EMP	Planetary 150 - Packaged Steering System - 15’
SS13716	MS1-16-EMP	Planetary 150 - Packaged Steering System - 16’
SS13718	MS1-18-EMP	Planetary 150 - Packaged Steering System - 18’

Dometic/Seastar (cont.)	EMP Part #	Description
SS13720	MS1-20-EMP	Planetary 150 - Packaged Steering System - 20’
HC5345-3	OC-350-EMP	Front Mount Outboard Cylinder - Up to 350 HP
HK4300A-3	OH-115U-OT-EMP	Hydraulic Steering Kit for Engines up to 115 HP (Includes Helm, Cylinder)
HK4500A-3	OH-175-OT-EMP	Hydraulic Steering Kit for Engines up to 175 HP (Includes Helm, Cylinder)
HK6400A-3	OH-350-OT-EMP	Hydraulic Steering Kit for Engines up to 350 HP (Includes Helm, Cylinder)
SHT91523-1P	TH1-EMP	Std. Rotary Tilt/TM1 Tilt Not Included
SH91800P	TM1-EMP	Tilt Mechanism

Tohatsu	EMP Part #	Description
HC49J96-08FT	EEC-133-08-EMP	Edge 3300 Control Cable - 8’
HC49J96-09FT	EEC-133-09-EMP	Edge 3300 Control Cable - 9’
HC49J96-10FT	EEC-133-10-EMP	Edge 3300 Control Cable - 10’
HC49J96-11FT	EEC-133-11-EMP	Edge 3300 Control Cable - 11’
HC49J96-12FT	EEC-133-12-EMP	Edge 3300 Control Cable - 12’
HC49J96-13FT	EEC-133-13-EMP	Edge 3300 Control Cable - 13’
HC49J96-14FT	EEC-133-14-EMP	Edge 3300 Control Cable - 14’
HC49J96-15FT	EEC-133-15-EMP	Edge 3300 Control Cable - 15’
HC49J96-16FT	EEC-133-16-EMP	Edge 3300 Control Cable - 16’
HC49J96-17FT	EEC-133-17-EMP	Edge 3300 Control Cable - 17’
HC49J96-18FT	EEC-133-18-EMP	Edge 3300 Control Cable - 18’
HC49J96-20FT	EEC-133-20-EMP	Edge 3300 Control Cable - 20’
HC49J96-22FT	EEC-133-22-EMP	Edge 3300 Control Cable - 22’
HC49J96-24FT	EEC-133-24-EMP	Edge 3300 Control Cable - 24’
HC49J96-26FT	EEC-133-26-EMP	Edge 3300 Control Cable - 26’
HC49J96-28FT	EEC-133-28-EMP	Edge 3300 Control Cable - 28’
HC49J96-30FT	EEC-133-30-EMP	Edge 3300 Control Cable - 30’

Uflex	EMP Part #	Description
KITOB-12	12-TPG-EMP	Hose Assembly Kit: 2 each 12'
KITOB-14	14-TPG-EMP	Hose Assembly Kit: 2 each 14'
KITOB-16	16-TPG-EMP	Hose Assembly Kit: 2 each 16'
KITOB-18	18-TPG-EMP	Hose Assembly Kit: 2 each 18'
KITOB-20	20-TPG-EMP	Hose Assembly Kit: 2 each 20'
KITOB-22	22-TPG-EMP	Hose Assembly Kit: 2 each 22'
KITOB-24	24-TPG-EMP	Hose Assembly Kit: 2 each 24'
X34	B1B-EMP	90° Bezel - Black
MACH05X10	EEC-005-10-EMP	Edge Merc Standard 10’
MACH05X11	EEC-005-11-EMP	Edge Merc Standard 11’
MACH05X12	EEC-005-12-EMP	Edge Merc Standard 12’
MACH05X13	EEC-005-13-EMP	Edge Merc Standard 13’
MACH05X14	EEC-005-14-EMP	Edge Merc Standard 14’
MACH05X15	EEC-005-15-EMP	Edge Merc Standard 15’
MACH05X16	EEC-005-16-EMP	Edge Merc Standard 16’
MACH05X17	EEC-005-17-EMP	Edge Merc Standard 17’
MACH05X18	EEC-005-18-EMP	Edge Merc Standard 18’

COMPETITIVE INTERCHANGE

Uflex (Cont.)	EMP Part #	Description
MACH05X20	EEC-005-20-EMP	Edge Merc Standard 20’
MACH05X22	EEC-005-22-EMP	Edge Merc Standard 22’
MACH05X24	EEC-005-24-EMP	Edge Merc Standard 24’
MACH14X10	EEC-014-10-EMP	BRP Post Control Cable 1979 - 10’
MACH14X11	EEC-014-11-EMP	BRP Post Control Cable 1979 - 11’
MACH14X12	EEC-014-12-EMP	BRP Post Control Cable 1979 - 12’
MACH14X13	EEC-014-13-EMP	BRP Post Control Cable 1979 - 13’
MACH14X14	EEC-014-14-EMP	BRP Post Control Cable 1979 - 14’
MACH14X15	EEC-014-15-EMP	BRP Post Control Cable 1979 - 15’
MACH14X16	EEC-014-16-EMP	BRP Post Control Cable 1979 - 16’
MACH14X17	EEC-014-17-EMP	BRP Post Control Cable 1979 - 17’
MACH14X18	EEC-014-18-EMP	BRP Post Control Cable 1979 - 18’
MACH14X20	EEC-014-20-EMP	BRP Post Control Cable 1979 - 20’
MACH36X10	EEC-036-10-EMP	Edge Merc GEN II - 10’
MACH36X11	EEC-036-11-EMP	Edge Merc GEN II - 11’
MACH36X12	EEC-036-12-EMP	Edge Merc GEN II - 12’
MACH36X13	EEC-036-13-EMP	Edge Merc GEN II - 13’
MACH36X14	EEC-036-14-EMP	Edge Merc GEN II - 14’
MACH36X15	EEC-036-15-EMP	Edge Merc GEN II - 15’
MACH36X16	EEC-036-16-EMP	Edge Merc GEN II - 16’
MACH36X17	EEC-036-17-EMP	Edge Merc GEN II - 17’
MACH36X18	EEC-036-18-EMP	Edge Merc GEN II - 18’
MACH36X20	EEC-036-20-EMP	Edge Merc GEN II - 20’
MACH36X22	EEC-036-22-EMP	Edge Merc GEN II - 22’
MACH36X24	EEC-036-24-EMP	Edge Merc GEN II - 24’
MACH0X08	EEC-133-08-EMP	Edge 3300 Control Cable - 8’
MACH0X09	EEC-133-09-EMP	Edge 3300 Control Cable - 9’
MACH0X10	EEC-133-10-EMP	Edge 3300 Control Cable - 10’
MACH0X11	EEC-133-11-EMP	Edge 3300 Control Cable - 11’
MACH0X12	EEC-133-12-EMP	Edge 3300 Control Cable - 12’
MACH0X13	EEC-133-13-EMP	Edge 3300 Control Cable - 13’
MACH0X14	EEC-133-14-EMP	Edge 3300 Control Cable - 14’
MACH0X15	EEC-133-15-EMP	Edge 3300 Control Cable - 15’
MACH0X16	EEC-133-16-EMP	Edge 3300 Control Cable - 16’
MACH0X17	EEC-133-17-EMP	Edge 3300 Control Cable - 17’
MACH0X18	EEC-133-18-EMP	Edge 3300 Control Cable - 18’
MACH0X20	EEC-133-20-EMP	Edge 3300 Control Cable - 20’
MACH0X22	EEC-133-22-EMP	Edge 3300 Control Cable - 22’
MACH0X24	EEC-133-24-EMP	Edge 3300 Control Cable - 24’
MACH0X26	EEC-133-26-EMP	Edge 3300 Control Cable - 26’
MACH0X28	EEC-133-28-EMP	Edge 3300 Control Cable - 28’
MACH0X30	EEC-133-30-EMP	Edge 3300 Control Cable - 30’
M90X10	ESC-16-10-EMP	Edge Easy Connect Steering Cable - 10’
M90X11	ESC-16-11-EMP	Edge Easy Connect Steering Cable - 11’
M90X12	ESC-16-12-EMP	Edge Easy Connect Steering Cable - 12’
M90X13	ESC-16-13-EMP	Edge Easy Connect Steering Cable - 13’
M90X14	ESC-16-14-EMP	Edge Easy Connect Steering Cable - 14’
M90X15	ESC-16-15-EMP	Edge Easy Connect Steering Cable - 15’

Uflex (Cont.)	EMP Part #	Description
M90X16	ESC-16-16-EMP	Edge Easy Connect Steering Cable - 16’
M90X18	ESC-16-18-EMP	Edge Easy Connect Steering Cable - 18’
M90X20	ESC-16-20-EMP	Edge Easy Connect Steering Cable - 20’
M90X22	ESC-16-22-EMP	Edge Easy Connect Steering Cable - 22’
T71FC	H1-EMP	Standard Rotary Helm
FOURTECH-11	MS1-11-EMP	Planetary 150 - Packaged Steering System - 11’
FOURTECH-12	MS1-12-EMP	Planetary 150 - Packaged Steering System - 12’
FOURTECH-13	MS1-13-EMP	Planetary 150 - Packaged Steering System - 13’
FOURTECH-14	MS1-14-EMP	Planetary 150 - Packaged Steering System - 14’
FOURTECH-15	MS1-15-EMP	Planetary 150 - Packaged Steering System - 15’
FOURTECH-16	MS1-16-EMP	Planetary 150 - Packaged Steering System - 16’
FOURTECH-18	MS1-18-EMP	Planetary 150 - Packaged Steering System - 18’
FOURTECH-20	MS1-20-EMP	Planetary 150 - Packaged Steering System - 20’
UC128SVS-1 & 2	OC-350-EMP	Front Mount Outboard Cylinder - Up to 350 HP
GOTECH	OH-115U-OT-EMP	Hydraulic Steering Kit for Engines up to 115 HP (Includes helm and cylinder)
HYCO	OH-175-OT-EMP	Hydraulic Steering Kit for Engines up to 175 HP (Includes helm and cylinder)
PROTECH 1 & 2	OH-350-OT-EMP	Hydraulic Steering Kit for Engines up to 350 HP (Includes helm and cylinder)
T81FC	TH1-EMP	Std. Rotary Tilt/TM1 Tilt Not Included
X52 / X70	TM1-EMP	Tilt Mechanism

Yamaha	EMP Part #	Description
YAM-MAR-CABLE-08-SC	EEC-133-08-EMP	Edge 3300 Control Cable - 8’
YAM-MAR-CABLE-09-SC	EEC-133-09-EMP	Edge 3300 Control Cable - 9’
YAM-MAR-CABLE-10-SC	EEC-133-10-EMP	Edge 3300 Control Cable - 10’
YAM-MAR-CABLE-11-SC	EEC-133-11-EMP	Edge 3300 Control Cable - 11’
YAM-MAR-CABLE-12-SC	EEC-133-12-EMP	Edge 3300 Control Cable - 12’
YAM-MAR-CABLE-13-SC	EEC-133-13-EMP	Edge 3300 Control Cable - 13’
YAM-MAR-CABLE-14-SC	EEC-133-14-EMP	Edge 3300 Control Cable - 14’
YAM-MAR-CABLE-15-SC	EEC-133-15-EMP	Edge 3300 Control Cable - 15’
YAM-MAR-CABLE-16-SC	EEC-133-16-EMP	Edge 3300 Control Cable - 16’
YAM-MAR-CABLE-17-SC	EEC-133-17-EMP	Edge 3300 Control Cable - 17’
YAM-MAR-CABLE-18-SC	EEC-133-18-EMP	Edge 3300 Control Cable - 18’
YAM-MAR-CABLE-20-SC	EEC-133-20-EMP	Edge 3300 Control Cable - 20’
YAM-MAR-CABLE-22-SC	EEC-133-22-EMP	Edge 3300 Control Cable - 22’
YAM-MAR-CABLE-24-SC	EEC-133-24-EMP	Edge 3300 Control Cable - 24’
YAM-MAR-CABLE-26-SC	EEC-133-26-EMP	Edge 3300 Control Cable - 26’
YAM-MAR-CABLE-28-SC	EEC-133-28-EMP	Edge 3300 Control Cable - 28’
YAM-MAR-CABLE-30-SC	EEC-133-30-EMP	Edge 3300 Control Cable - 30’

FEATURING THE BEST GRAPHIC PACKAGING
IN THE CATEGORY FOR CONSUMER-FRIENDLY RETAIL SALES

STEERLYTE
POWER ASSISTED STEERING

Completely mitigates hand wheel torque

100% silent. Absolutely no noise from steering that provides peace of mind

No external or additional hoses & fluid tanks are required

Bleeds like a standard hydro system

Power Assist:

Substantially reduces the driver's effort

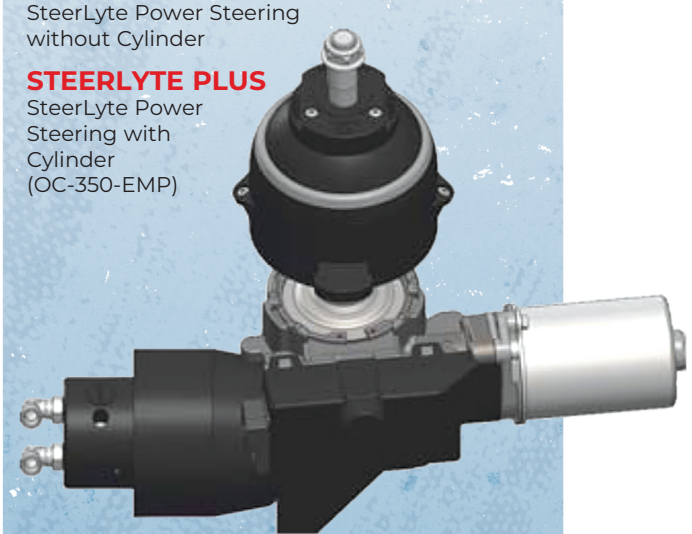
Easier to turn or maneuver the boat

Hybrid system known as Electro-Hydraulic

It works like a Electronic Power Assisted Steering System

STEERLYTE PLUS 2
SteerLyte Power Steering without Cylinder

STEERLYTE PLUS
SteerLyte Power Steering with Cylinder (OC-350-EMP)



EMP ENGINEERED MARINE PRODUCTS

©2023 EMP
260 Scotland Drive, Alabaster, AL 35007
Steering and Controls by QM Marine Group