CAPILANO 2-LINE HEAVY DUTY

Uncompromising Design. Capilano steering stands for ruggedness and reliability worldwide. Helms include a variable displacement feature enabling the helmsman to adjust the number of steering wheel turns to suit maneuvering and weather conditions. Capilano systems install easily and give years of dependable service.

FEATURES
• Variable displacement helms for adjustable number of steering wheel turns.
• Heavy duty brass cylinders with bleed fittings; chrome-plated stainless steel rods.
• Stainless steel and bronze mounting hardware.
• Easy installation on single and dual rudder vessels.
• Systems are not air-pressurized; no air leaks or pressure drops; separate reservoir not needed.
• Built-in pressure relief in helm protects system from effects of thermal expansion.
• Standard 3/4" tapered steering shaft.
• Meets ABS/Lloyd/Det Norske Veritas specifications.

DC POWER STEERING SYSTEM

SeaStar Power Steering provides super responsive automotive style steering performance for today's large motor yachts.
The SeaStar DC Power Steering Unit is the heart of the system providing reliable and economical hydraulic flow to the steering cylinder whenever the wheel is turned.

Whether docking or cruising at high speed, the system will deliver 100% power regardless of engine speed.
SeaStar's superior design and selection of materials, precision manufacturing and rigid quality control all add up to an outstanding robust and versatile system for all large boat applications.

FEATURES
• Fewer components (filters, coolers and engine pumps not required)
• Highly responsive, effortless steering performance at all speeds
• Low number of turns lock to lock (based on helm selection)
  • Few components to spec and install
  • Semi-Auto purge feature
  • Suitable for multi-station applications
  • Integrated autopilot pump
  • Suitable for use with most SeaStar helms (including tilt versions)
  • Automatic manual back up system
For all work and Pleasure boat applications from 20' to 90' requiring precision inboard hydraulic steering, SeaStar Solutions have the solution.

Hard working, tough, durable, responsive and light, SeaStar Solutions Inboard Hydraulic and Power steering range is built for the job.

**INBOARD CYLINDERS**

These cylinders are for single and dual rudder vessels with two axis articulation and easy autopilot interface. Cylinders are also supplied with bleeder fittings.

### FEATURES

- Low friction hydraulic steering system
- Configurations for most inboards
- Easy installation on single or dual rudders
- Adjustable O-ring sealed fittings c/w bleeder fittings
- Anodized aluminum or heavy duty brass cylinders (two axis articulation)
- Meets A.B.Y.C. standards
- Meets N.M.M.A. certification requirements

### SELECTABLE OPTIONS/VARIABLES

1 - Use an alternative helm to increase or reduce number of turns lock-to-lock
2 - Reduce or increase wheel torque (larger capacity helm will reduce number of turns and increase torque)
3 - Gain the advantages of a Tilt function, Select from 3 different styles
4 - Mount the helm behind the dash (various back mount helm options also available)
5 - Multi Station or Autopilots require HF5502 “add station kit”

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SeaStar Solutions recommend that all steering applications are validated by a qualified SeaStar Solutions dealer/installer.
Unmatched comfort and control only with SeaStar Steering. The world's most popular hydraulic steering system – offering smooth, efficient No Feedback Steering.

### HELMS

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<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>HH4311</td>
<td>BayStar 1.1 Front Mount</td>
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<tr>
<td>HH4314</td>
<td>BayStar 1.4 Front Mount</td>
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<tr>
<td>HH5269</td>
<td>SeaStar 1.4 Front Mount</td>
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<tr>
<td>HH5260</td>
<td>SeaStar 1.4 Rear Mount</td>
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<tr>
<td>HH5271</td>
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<td>HH5261</td>
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<td>HH5283</td>
<td>SeaStar 3.0 Front Mount</td>
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<tr>
<td>HH5265</td>
<td>SeaStar 3.0 Rear Mount</td>
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</tbody>
</table>

NEW redesigned cylinder with the following features:
- All anodized aluminum construction
- Adjustable o-ring sealed ports
- Common components (i.e., end glands, pistons, seals)
- New cylinders will be designated by HC53XX-3

- Compact helm has only a 4-7/16” foot print - needs only 3” dash hole (Tilt requires larger hole)
- Standard 3/4” tapered steering shaft
- Accepts steering wheels to 28” (20” for Tilt)
The ultimate in Tilt Steering Technology. Tilt Steering delivers unsurpassed performance and flexibility making it the perfect system for all possible applications and boat types.

**CLASSIC**

<table>
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<tr>
<td>HH4315</td>
<td>BayStar 1.4 - Sport Tilt</td>
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<tr>
<td>HH4316</td>
<td>BayStar 1.4 - Sport Plus Tilt</td>
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<tr>
<td>HH6575</td>
<td>SeaStar Pro 1.4 - Classic Tilt*</td>
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<td>HH5779</td>
<td>SeaStar Pro 1.7 - Front Mount</td>
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<td>HH5218</td>
<td>SeaStar Pro 1.7 - Front Mount Commercial</td>
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<td>HH5778</td>
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<td>HH5289</td>
<td>SeaStar Pro 1.7 - Sport Tilt*</td>
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<td>HH6573</td>
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<td>HH6489</td>
<td>SeaStar Pro 1.7 - Sport Plus Tilt*</td>
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<td>HH5772</td>
<td>SeaStar Pro 2.4 - Front Mount</td>
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</tbody>
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**SPORT**

- Pre loaded dual taper bearings ensures minimal excess free play
- Smooth operation and feel
- Shaft seals to prevent water ingress
- 48 degrees of tilt articulation
- 5 positive lock positions
- Up to 3 style options
- Compact footprint
- Maintenance free
- Fits most styled and formed dashes

**SPORT PLUS**

- Dramatically reduces wheel torque
- Easy to install
- Simple ‘add on’ to an existing SeaStar manual system
  (optimal performance achieved when used with SeaStar 1.4 – 2.0 pumps)
- OEM or Retro fit
- Compatible with power purge system
- Reverts to manual mode in the case of power loss.
- Suitable for use with autopilots
- 12v or 24v operation
- Wall or floor mounted
- Wiring harness, and mounting bracket included
- Ignition protected (SAE J-1171)
- ABYC, CE, NMMA, ISO 10592 Approved

**SEA STAR POWER ASSIST**

SeaStar Power Assist steering brings automotive-type steering comfort and control to powerboats. The addition of a Power Assist unit will greatly reduce steering effort and enhance the boating experience for everyone. The SeaStar Power Assist steering system is designed for use with SeaStar manual hydraulic steering systems and is suited for all heavy / high torque steering applications.

**FEATURES**

- Pre loaded dual taper bearings ensures minimal excess free play
- Smooth operation and feel
- Shaft seals to prevent water ingress
- 48 degrees of tilt articulation
- 5 positive lock positions
- Up to 3 style options
- Compact footprint
- Maintenance free
- Fits most styled and formed dashes

**TECHNICAL SPECIFICATIONS**

- **Voltage**: 12V or 24V (automatically recognized)
- **System Pressure**: 1000 psi MAX (1500 psi MAX Power Assist Pro)
- **Current Draw**: 40 A MAX,- @ 12V, 60A Peak @ 12V