The best of both worlds...

GPS and Ritchie – Working Together

One way to achieve optimal performance and safety with your Ritchie compass is by using your electronic and magnetic navigation data together. By doing this, you get the best of both worlds. Your GPS informs you of your boat’s position and calculates the speed and direction in which your boat has been traveling, while your compass tells you your real-time heading. Wind, current and boat speed can all create a discrepancy between what your GPS says and what’s really happening. And that’s where a Ritchie compass comes in.

For more information or to download Ritchie’s Complete Guide to Compass Navigation, visit: www.ritchienavigation.com
GPS FAILURE REQUIRES DEAD RECKONING

There’s no land in sight. Not for weeks. And if your electronics cut out at any time, you’d better be ready to do some serious dead reckoning. That means paper charts, a pencil, and a magnetic compass.

GPS CAN COST YOU GAS

Running a deepwater fishing charter is a business. And fuel costs can kill profits. By locking on a heading with a compass, customers get to where the fish are as fast and efficiently as possible. It’s not just a safety decision. It’s a business decision.

GPS WON’T WORK UNDER ALL CONDITIONS

Statistically, commercial fishing is one of the most dangerous occupations in the world. A day at work can become a battle for survival. Your navigation system needs to be anchored by a magnetic compass. It’s the bottom line of safety for crew and craft.
Navigation begins with the right compass.

We’re Committed To Quality

Since 1850, Ritchie has been making only one thing — compasses. Which means every ounce of our time and energy goes into precision-crafting the highest quality product available. When you’ve invested so much in your boat, that kind of commitment makes all the difference.

Table of Contents

Why you need a Ritchie .............................................................. pgs 2,3
Anatomy of a Compass ................................................................. pg 5
Compass Selection, Installation & Positioning ......................... pg 6
Compass Dial Designs ................................................................ pg 6
Balancing Compass Dials .......................................................... pg 7
Wheelmark Compasses ............................................................. pgs 8, 9,10
SuperSport™ Compasses ............................................................ pgs 11,12
Wind Indicators & Wetnotes ....................................................... pg 13
Kayak Compasses and Accessories ........................................... pgs 14, 15
Small Sailboat Compasses ......................................................... pg 15
Fishing Boat Compasses .......................................................... pg 16
RitchieSport® Compasses ........................................................... pg 17
Ritchie Trek™ Compasses .......................................................... pgs 18,19
Explorer™ Compasses ............................................................... pgs 19, 20, 21
Voyager® Compasses ................................................................. pgs 22, 23
Helmsman™ Compasses ........................................................... pgs 24, 25
Venture® Compass .................................................................... pg 25
Navigator™ Compasses ............................................................. pgs 26, 27
Globemaster® Compasses ........................................................... pgs 28,29,30
Skylight Binnacles for Globemaster® ......................................... pgs 31
Super Yacht Compasses ............................................................. pg 32
Steel and Commercial Boat Compasses ..................................... pgs 33, 34
Globemaster® Shock Mount Compasses .................................... pg 35
Navy Standard Compasses ......................................................... pg 36
Authorized Service Locations .................................................... pgs 37, 38, 39
Accuracy from the inside out.

When properly sized, installed and compensated a marine compass is the most important instrument on any boat. It will provide accurate, trouble-free heading references under the most adverse conditions without relying on electricity, radio signals or satellite communications. The most important criteria when selecting a compass are dial size and mounting style. Quality components aid accuracy, smooth response, stability and trouble-free operation. Although the size and shape of Ritchie Compass models may vary, this cutaway engineering illustration is representative of the modern technology that makes Ritchie Compasses the World’s Best Marine Compasses.

1 Compass Dome
The dome provides clear and accurate magnification of the dial. Our domes are made exclusively for Ritchie using a heavy-duty, optically clear polymer.

2 Compass Bowls & Housings
BOWLS and housings are made from brass, or high-strength glass reinforced polymers.

3 Gimbal Systems
All Ritchie Compasses are engineered to operate normally within their environment without bottoming out due to the pitch and roll or heel of the boat. An internal gimbaling system is most often applied to provide this important function. This illustration shows the bi-axis gimbal system used in many Ritchie models. This dial assembly is suspended by Gimbal Rings and Pans formed from ultra lightweight aluminum and held in place with spring loaded brass pins. A Brass Counter Balance keeps the entire system level.

4 Fluid Baffle & Roller Diaphragm
Baffles reduce turbulence in the dampening fluid. Diaphragms allow the fluid to expand or contract with changes in temperature or pressure without forming bubbles.

5 Corrector Magnets
Deviation occurs when something on board your boat draws the compass magnets away from their attraction to the earth’s magnetic field; i.e. masses of iron, engines, electric motors, electronics with speaker magnets, batteries, electronic instruments, tachometers with magnets, engine controls, steering wheels and electric appliances.

All Ritchie compasses that are intended for use on boats that could have deviation problems, have built-in compensators. These compensators are non-interactive magnets that are balanced and optimally spaced for accurate correction. Compensation instructions are included.

A Ritchie Dials
Dial measurements are given in the apparent visual size. Models are available in sizes from 2” (5.08cm) to 6” (15.24cm) in diameter. In many models you can select either a Traditional Flat Card or Direct Reading Dial. The CombiDial™ which is both a flat card and direct reading dial in one, is also available in several Voyager, Helmsman and Navigator models.

B Powerdamp® Performance
Each dial is engineered to provide the ultimate in steady, smooth performance and easy readability. Traditional Flat Dials are equipped with Ritchie’s race proven PowerDamp® system, a lightweight baffle that eliminates spinning and dial jumping at high speeds and in rough conditions. Direct Reading and CombiDial™ dials are formed so that their shape also provides PowerDamp performance.

C Directiveforce™ Magnets
Ritchie uses special High Gauss Magnets that are field balanced and matched to each compass model, dial style and size. They are attached to the underside of the dial in pairs matched to seek and lock on to magnetic north. This provides superior accuracy and smooth, rapid response.

D Pivot and Jewel Movement
All Ritchie Compasses use a Hardened Steel Pivot and Triple Cup Sapphire Jewel Movement. They are microscopically matched to provide smooth dial operation and fast lock-on, under the most severe conditions. There are no plastic pivots or jewels in Ritchie Compasses.

Repairability & Warranty
All Ritchie compasses are 100% repairable and are backed by Ritchie’s exclusive 5-year Warranty. See the “warranty” section on the back cover for complete details.
Selecting, installing & positioning your compass.

When you choose your compass, you should always consider four things: mounting style, size, readability of the card and the design of your boat. Our guide below will help you select the Mounting Style and Dial Design that best suit your boat. You’ll find more information on utilizing and optimizing your compass in Ritchie’s Complete Guide to Compass Navigation. Download it for free at www.ritchienavigation.com

Positioning

In an ideal situation, a compass should be mounted directly in front of the helm, as well as directly above the centerline of the hull. If this is not possible, the compass should be mounted parallel to the centerline. And on powerboats with upper steering stations, you should have a compass installed at both locations.

Mounting Styles

<table>
<thead>
<tr>
<th>Mounting Style</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dash Mount</td>
<td>Ideal for powerboats with limited dash space</td>
</tr>
<tr>
<td>Bulkhead Mount</td>
<td>Often used on sailboats to reduce interference with lines and to save space</td>
</tr>
<tr>
<td>Bracket Mount</td>
<td>Can be mounted on the deck or dash; allows compass to remain at proper viewing angle</td>
</tr>
<tr>
<td>Flush / Surface Mount</td>
<td>Ideal for today’s compact helm designs</td>
</tr>
<tr>
<td>Binnacle Mount</td>
<td>Features an outer case, often with a light-shielding hood</td>
</tr>
</tbody>
</table>

Ritchie has available special custom fit covers for many models.

Dial Design

Wherever your compass is positioned on your boat, you’ll need a dial that provides you with ultimate readability in every condition you encounter.

<table>
<thead>
<tr>
<th>Dial Design</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combi-Dial</td>
<td>A combination of the direct-read and flat-card designs; incorporates dials that can be read from both above and directly in front of the compass and maximizes readability from any angle</td>
</tr>
<tr>
<td>Flat-Card Dial</td>
<td>Allows you to look down on the compass to see the course heading</td>
</tr>
<tr>
<td>Direct-Read Dial</td>
<td>Allows you to see the compass heading and lubber line from directly in front; good for when boat design requires your compass to be positioned at eye level</td>
</tr>
</tbody>
</table>
Dials in magnetic compasses should be balanced to compensate for dip caused by the earth’s magnetic field. All Ritchie Compasses are standard balanced for Zone 1 (essentially all of the northern hemisphere).

**Compasses cannot be Zone Balanced in the field.**

If unsure of the correct zone to order, contact our Sales Department at sales@ritchienavigation.com for additional information.

Purchase an appropriately zoned compass that is central to your boating area for example:

<table>
<thead>
<tr>
<th>Country</th>
<th>Rec. Zone Balance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Zone 6</td>
</tr>
<tr>
<td>Brazil</td>
<td>Zone 4 or 5</td>
</tr>
<tr>
<td>Guam</td>
<td>Zone 3</td>
</tr>
<tr>
<td>Panama</td>
<td>Zone 2</td>
</tr>
</tbody>
</table>
Wheelmark Compasses

The Wheelmark approval is for Lifeboat and Rescue boat compasses. These compasses are also suitable for sailboats, power boats and motor sailing vessels. The -WM suffix signifies type approval and compliance with the Navigation requirements of Marine Equipment Directive (MED) 95/98/EC and the last modification by Directive 2011/75/EU. Wheelmark certificates can be downloaded from our website, www.ritchienavigation.com

Ritchie Voyager® S-87-WM & S-87W-WM, 3” Dial

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dial Size/Design</td>
<td>3” (76mm)/CombiDial</td>
</tr>
<tr>
<td>Night Lighting</td>
<td>12V Green</td>
</tr>
<tr>
<td>Compensators</td>
<td>Built-in</td>
</tr>
<tr>
<td>Warranty</td>
<td>5-Year</td>
</tr>
<tr>
<td>Approx. Shipping Wt.</td>
<td>1 lb. 3 oz. (539g)</td>
</tr>
<tr>
<td>Protective Cover</td>
<td>Model No. V-83-C</td>
</tr>
</tbody>
</table>

For more information including articles, downloads and our Complete Guide to Compass Navigation, visit: www.ritchienavigation.com
Wheelmark Compasses

Ritchie Voyager® F-83-WM & F-83W-WM, 3” Dial

Dial Size/Design  3” (76mm)/CombiDial
Night Lighting  12V Green
Compensators  Built-in
Mounting Hole  4 3/16” (107mm)
Warranty  5-Year
Approx. Shipping Wt.  1 lb. 4 oz.(567g)
Protective Cover  Model No. V-83-C

Ritchie Voyager® B-81-WM, 3” Dial

Dial Size/Design  3” (76mm)/CombiDial
Night Lighting  12V Green
Compensators  Built-in
Warranty  5-Year
Approx. Shipping Wt.  1lb. 8 oz. (680g)
Protective Cover  Model No. V-83-C

The Wheelmark approval is for Lifeboat and Rescue boat compasses. These compasses are also suitable for sailboats, power boats and motor sailing vessels.
Wheelmark Compasses

The Wheelmark approval is for Lifeboat and Rescue boat compasses. These compasses are also suitable for sailboats, power boats and motor sailing vessels.

The -WM suffix signifies type approval and compliance with the Navigation requirements of Marine Equipment Directive (MED) 95/98/EC and the last modification by Directive 2011/75/EU. Wheelmark certificates can be downloaded from our website, www.ritchi navigation.com

Ritchie Navigator™ FN-201-WM & FN-201W-WM, 4½” Dial

Dial Size/Design 4 1/2” (114mm)/Flat-Card
Night Lighting 12V Green
Compensators Built-in
Mounting Hole 5 1/8” (130mm)
Warranty 5-Year
Approx. Shipping Wt. 2 lb. 10 oz. (1.19kg)
Protective Cover Model No. N-203-C

Ritchie Navigator™ DNW-200-WM, DNP-200-WM & DNB-200-WM, 4½” Dial

Dial Size/Design 4 1/2” (114mm) / Flat-Card Dial
Night Lighting 12V Green
Compensators Built-in
Warranty 5-Year
Approx. Shipping Wt. 3 lb. 10 oz. (1.65kg)
Protective Cover Model No. N-203-C

Weather Shield Model No. WS-P (Sold Separately)

This wheelmark symbol denotes conformance with standards ISO 25862:2009, ISO 10316:1990(E) and ISO 613:2002(E)
SuperSport™ Compasses

Developed for and tested on offshore race boats, the SuperSport Series compasses feature the PowerDamp® Plus dial. This dial technology features the PowerDamp® dial skirt to prevent oscillation, larger DirectiveForce™ magnets for quick lock on and extra-large steel pivots and jewels for smooth fast action.

SuperSport™ SS-1002, 3¾” Dial

- **Dial Size/Design**: 3 ¾” (94mm)/Blue PowerDamp Plus Flat-Card Dial
- **Night Lighting**: 12V Green
- **Compensators**: Built-in
- **Mounting Hole**: 4” (102mm) – 5” (128mm) w/adapter ring
- **Warranty**: 5-Year
- **Approx. Shipping Wt.**: 2 lb. (907g)
- **Protective Cover**: Model No. H-741-C

Adapter Rings (may be purchased if needed)

6” (15.24cm) retrofits the existing mounting hole for Model Numbers SS-1002 and SS-1002W. Adapter Model Numbers: H-ABLK (black) and H-AWHT (white).

SuperSport™ SS-2000, 4½” Dial

- **Dial Size/Design**: 4 ¼” (114mm)/Blue PowerDamp Plus Flat-Card Dial
- **Night Lighting**: 12V Green
- **Compensators**: included
- **Mounting Hole**: 5 ¼” (130mm)
- **Warranty**: 5-Year
- **Approx. Shipping Wt.**: 2 lb. 10 oz. (1.19kg)
- **Protective Cover**: Model No. N-203-C
SuperSport™ Compasses

**SuperSport™ SS-5000, 5” Dial**
- **Dial Size/Design**: 5” (127mm)/PowerDamp Plus Flat-Card Dial
- **Night Lighting**: 12V Green/24V or 32V by order
- **Compensators**: Built-in
- **Mounting Hole**: 6 ¼” (159mm)
- **Warranty**: 5-Year
- **Approx. Shipping Wt.**: 5 lb. 12 oz. (2.6kg)
- **Protective Cover**: Model No. LL-C

**SuperSport™ SS-PR2, 3¾” Dial**
- **Dial Size/Design**: 3 ¾” (9.5cm)/CombiDial
- **Night Lighting**: 12-24V Blue
- **Compensators**: included
- **Mounting Hole**: 4 ¼” (12.2cm)
- **Warranty**: 5-Year
- **Approx. Shipping Wt.**: 2 lb. (.91kg)
- **Protective Cover**: BK-0019 ASY
- **SR-CM2 Compensator**: included

Mount at any angle up to 45°
Masthead Mount Wind Indicator

- **High Stability** - won’t overreact, minimal flutter
- **Carbon Fiber Construction** - to withstand the rigors of high performance racing
- **Low Friction Bearing** - the heart of Race 1
- **Ultralight** - less than 10g all up
- **Ultra Sensitive** - the 0.3mm carbon “feather” responds reliably to the lightest of airs, you pick up the shifts before the competition

Feather Vane Race 1 FVR-1

- Size: Vane Length - 8” (20 cm), Height - 12.99” (33 cm)
- Warranty: 1 Year
- Approx. Ship Wt.: 1 lb. (45 gm)

Wetnotes™ W-35 & W-50

WetNotes are ideal for any on-the-water record keeping, from jotting down favorite fishing spots to grocery lists. Completely waterproof so they may be used underwater, WetNotes are available in two sizes: the Large 4 1/2” x 7 1/4” Notebook and the Small 3” x 5” Pocket Notebook. WetNotes can be used with a regular soft lead pencil (supplied with W-50 Notebook), opens flat for easy writing, has easily removable pages and a tough international safety yellow vinyl cover.

WetNotes Model W-50 includes 45 pages, vinyl cover and pencil

WetNotes Model W-35 includes 40 pages, self cover
Kayak Compasses and Accessories

Ritchie Kayaker™ XP-99, 3” Dial
Dial Size/Design 2 3/4” (76mm)/CombiDial
Warranty 5-Year
Approx. Shipping Wt. 1 lb. (454g)

Kayaker Tie-Downs
K-TD.2 (compass not included) Designed for Mounting the Ritchie Kayaker. No drill, no holes in the deck, flexible pad and foam ring easily conform to deck shape, won’t scratch finishes.

Ritchie SportAbout™ X-11Y, 2” Dial
Dial Size/Design 2” (51mm)/Direct-Read Dial
Night Lighting 3 Cyalume® Light Sticks Included
Warranty 5-Year
Approx. Shipping Wt. 1 lb. (454g)

Sportabout™ Compass Holder
The SportAbout Holder can be deck mounted to make your SportAbout a Steering Compass on small boats. For convenient storage, mount the Holder on a Bulkhead.

SportAbout™ Holder
White - X-11-HW
Black - X-11-H
Kayak Compass

Ritchie V-527, 2¾” Dial
- Boat Style/Size: Kayaks
- Dial Size/Design: 2 3/4” (70mm)/Direct-Read Dial
- Night Lighting: N/A
- Compensators: Built-in
- Warranty: 5-Year
- Viewing: Adjustable up to 45°
- Approx. Shipping Wt.: 1lb. (454g)

Small Sailboat Racing Compasses

Ritchie X-Port Tactician™ XP-98W, 3” Dial
- Dial Size/Design: 3” (76mm)/CombiDial with Tactical Quadrants to show Wind Shifts and Headers
- Warranty: 5-Year
- Approx. Shipping Wt.: 1lb. (454g)

Ritchie Voyager® RU-90, 3” Dial
- Boat Style: small racing sailboats
- Dial Size/Design: 3” (76mm)/Blue Flat-Card Dial
- Night Lighting: none*
- Mounting Hole: 4 1/8” (105mm)
- Warranty: 5-Year
- Approx. Shipping Wt.: 1lb. 4 oz. (567g)
- Protective Cover: Model No. V-81-C

*Light Kit VL-100 available for RU-90

For more information including articles, downloads and our Complete Guide to Compass Navigation, visit: www.ritchienavigation.com
Fishing Boat Compasses

Ritchie Angler® RA-91, 2¾” Dial
- Dial Size/Design: 2¾” (70mm)/Blue Direct-Read Dial
- Night Lighting: 12V Green
- Compensators: Built-in
- Warranty: 5-Year
- Approx. Shipping Wt.: 1 lb. (454g)
- Protective Cover: None

Ritchie Angler® RA-93, 2¾” Dial
- Dial Size/Design: 2¾” (70mm)/Blue Direct-Read Dial
- Night Lighting: 12V Green
- Compensators: Built-in
- Warranty: 5-Year
- Approx. Shipping Wt.: 1 lb. (454g)
- Protective Cover: Model No. E-50-C

Off 90° Compass S-OFF90, 2¾” Dial
- Dial Size/Design: 2¾” (70mm)/Direct-Read Dial
- Night Lighting: 12V Green
- Compensators: Built-in
- Warranty: 5-Year
- Approx. Shipping Wt.: 1 lb. (454g)
- Viewing: 90° off for viewing from starboard
- Protective Cover: Model No. E-50-C
RitchieSport® Compasses

RitchieSport® X-10, 2” Dial

Dial Size/Design  2” (51mm)/Direct-Read Dial
Night Lighting  12V Green
Compensators  Built-in
Warranty  5-Year
Approx. Shipping Wt.  5 oz. (142g)

Adjustable Reversible Bracket Mount
The fully adjustable and reversible Bracket allows a mounting range of over 300° from overhead, through angled and vertical mounts to horizontal surfaces. These mounting position options and your choice of mounting hardware permit mounting on everything from windshield or supporting frame structures, to slanted dashboards and consoles, to almost any flat, angled or vertical surface.

RitchieSport® X-21, 2” Dial

Dial Size/Design  2” (51mm)/Direct-Read Dial
Night Lighting  12V Green
Compensators  None
Viewing  Adjustable to 30°
Mounting Hole  2 1/16” (56mm) Std. 2” gauge hole
Warranty  5-Year
Approx. Shipping Wt.  5 oz. (142g)
Trifl™ Compasses

Ritchie Trifl™ TR-35, 2¼" Dial
Dial Size/Design  2 ¼" (57mm)/Direct-Read Dial
Night Lighting   12V Green
Compensators    Built-in
Mounting Hole   3" (76.2mm)
Warranty        5-Year
Approx. Shipping Wt.  9 oz. (256g)

Ritchie Trifl™ TR-31, 2 ¼" Dial
Dial Size/Design  2 1/4" (57mm) Direct-Read Dial
Night Lighting   12V Green
Compensators    Built-in
Warranty        5-Year
Approx. Shipping Wt.  9 oz. (256g)

Adjustable Reversible Bracket Mount
The fully adjustable and reversible Bracket allows a mounting range of over 300° from overhead, through angled and vertical mounts to horizontal surfaces. These mounting position options and your choice of mounting hardware permit mounting on everything from windshield or supporting frame structures, to slanted dashboards and consoles, to almost any flat, angled or vertical surface.
**Ritchie Trifl™ TR-33, 2½” Dial**

- **Dial Size/Design**: 2 ½” (60mm)/Direct-Read Dial
- **Night Lighting**: 12V Green
- **Compensators**: Built-in
- **Warranty**: 5-Year
- **Approx. Shipping Wt.**: 9 oz. (256g)

**Explorer™ Compasses**

**Ritchie Explorer™ B-51, 2¾” Dial**

- **Dial Size/Design**: 2 ¾” (70mm)/Direct-Read Dial
- **Night Lighting**: 12V Green
- **Compensators**: Built-in
- **Warranty**: 5-Year
- **Approx. Shipping Wt.**: 1 lb. (454g)
Explorer™ Compasses

Ritchie Explorer™ F-50, 2¾” Dial
- Dial Size/Design: 2 ¾” (70mm) / Direct-Read Dial
- Night Lighting: 12V Green
- Compensators: Built-in
- Mounting Hole: 3 ¾” (95mm)
- Warranty: 5-Year
- Approx. Shipping Wt.: 1 lb. (454g)
- Protective Cover: Model No. E-50-C

Ritchie Explorer™ S-53, 2¾” Dial
- Dial Size/Design: 2 ¼” (70mm) / Direct-Read Dial
- Night Lighting: 12V Green
- Compensators: Built-in
- Warranty: 5-Year
- Approx. Shipping Wt.: 1 lb. (454g)
- Protective Cover: Model No. E-50-C
## Explorer™ Compasses

### Ritchie Explorer™ V-57.2, 2³⁴” Dial

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dial Size/Design</td>
<td>2 ³/₄” (70mm)/Direct-Read Dial</td>
</tr>
<tr>
<td>Night Lighting</td>
<td>12V</td>
</tr>
<tr>
<td>Viewing</td>
<td>Adjustable to 30°</td>
</tr>
<tr>
<td>Compensators</td>
<td>Built-in</td>
</tr>
<tr>
<td>Mounting Hole</td>
<td>3” (76mm) Instrument Hole</td>
</tr>
<tr>
<td>Warranty</td>
<td>5-Year</td>
</tr>
<tr>
<td>Approx. Shipping Wt.</td>
<td>1 lb. (454g)</td>
</tr>
</tbody>
</table>

### Ritchie Explorer™ V-537, 2³⁴” Dial

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dial Size/Design</td>
<td>2 ³/₄” (70mm)/Direct-Read Dial</td>
</tr>
<tr>
<td>Night Lighting</td>
<td>12V</td>
</tr>
<tr>
<td>Viewing</td>
<td>Adjustable to 30°/Heel angle to 25°</td>
</tr>
<tr>
<td>Compensators</td>
<td>Built-in</td>
</tr>
<tr>
<td>Mounting Hole</td>
<td>3” (76mm) Instrument Hole</td>
</tr>
<tr>
<td>Warranty</td>
<td>5-Year</td>
</tr>
<tr>
<td>Approx. Shipping Wt.</td>
<td>1 lb. (454g)</td>
</tr>
</tbody>
</table>

![Ritchie Explorer™ Compasses Diagram]
**Voyager® Compasses**

**Ritchie Voyager® F-82, 3” Dial**
- **Dial Size/Design**: 3” (76mm)/Flat-Card Dial
- **Night Lighting**: 12V Green
- **Compensators**: Built-In
- **Mounting Hole**: 4 1/4” (105mm)
- **Warranty**: 5-Year
- **Approx. Shipping Wt.**: 1 lb. 8 oz. (680g)
- **Protective Cover**: Model No. V-80-C

**Ritchie Voyager® F-83, 3” Dial**
- **Dial Size/Design**: 3” (76mm)/CombiDial
- **Night Lighting**: 12V Green
- **Compensators**: Built-In
- **Mounting Hole**: 4 1/4” (107mm)
- **Warranty**: 5-Year
- **Approx. Shipping Wt.**: 1 lb. 4 oz. (567g)
- **Protective Cover**: Model No. V-83-C
Voyager® Compasses

**Ritchie Voyager® B-80 & B-81, 3” Dial**

- **Dial Size/Design**: 3” (76mm)/Flat-Card or CombiDial
- **Night Lighting**: 12V Green
- **Compensators**: Built-in
- **Warranty**: 5-Year
- **Approx. Shipping Wt.**: 1 lb. 8 oz. (680g)
- **Protective Cover**: Model No. V-80-C (B-80) or Model No. V-83-C (B-81)

**Ritchie Voyager® S-87, 3” Dial**

- **Dial Size/Design**: 3” (76mm)/CombiDial
- **Night Lighting**: 12V Green
- **Compensators**: Built-in
- **Warranty**: 5-Year
- **Approx. Shipping Wt.**: 1 lb. 3 oz. (539g)
- **Protective Cover**: Model No. V-83-C
Ritchie Helmsman™ HF-742 & HF-743, 3¾” Dial
Dial Size/Design 3 ¾" (94mm)/Flat-Card or CombiDial
Night Lighting 12V Green
Compensators Built-in
Mounting Hole 4" (102mm), 5" (128mm) w/adapter ring
Warranty 5-Year
Approx. Shipping Wt. 2lb. (907g)
Protective Cover Model No. H-741-C

Adapter Rings (may be purchased if needed)

6" (152mm) retrofits the existing mounting hole for Model Numbers HF-72s, HF-73s and HF-79s. Adapter Model Numbers: H-ABLK (black) and H-AWHT (white).

Ritchie Helmsman™ HB-740 & HB-741, 3¾” Dial
Dial Size/Design 3 ¾" (94mm)/Flat-Card or CombiDial
Night Lighting 12V Green
Compensators Built-in
Warranty 5-Year
Approx. Shipping Wt. 2 lb. (907g)
Protective Cover Model No. H-741-C
Helmsman™ Compasses

Ritchie Helmsman™ HD-744 & HD-745, 3 3/4” Dial
- Dial Size/Design: 3 3/4” (94mm)/Flat-Card or CombiDial
- Night Lighting: 12V Green
- Compensators: Built-in
- Warranty: 5-Year
- Approx. Shipping Wt.: 2 lb. (907g)
- Protective Cover: Model No. H-741-C

Venture® Compass (Sailboats only)

Ritchie Venture™ SR-2, 3 3/4” Dial
- Dial Size/Design: 3 3/4” (94mm)/CombiDial
- Night Lighting: 12-24V Blue
- Compensators: SR-CM2 Sold Separately
- Mounting Hole: 4 1/2” (113mm)
- Warranty: 5-Year
- Approx. Shipping Wt.: 2 lb. (91kg)
- Protective Cover: BK-0019 ASY
- INC-45: Included

INC-45 Clinometer

SR-CM2 Compensator (may be purchased if needed)

Front Cover BK-0019 ASY

Back Cover BK-0020
### Navigator™ Compasses

#### Ritchie Navigator™ FN-201 & FN-203, 4½” Dial

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dial Size/Design</td>
<td>4 ½” (114mm)/Flat-Card or CombiDial</td>
</tr>
<tr>
<td>Night Lighting</td>
<td>12V Green</td>
</tr>
<tr>
<td>Compensators</td>
<td>Built-in</td>
</tr>
<tr>
<td>Mounting Hole</td>
<td>5 ½” (130mm)</td>
</tr>
<tr>
<td>Warranty</td>
<td>5-Year</td>
</tr>
<tr>
<td>Approx. Shipping Wt.</td>
<td>2 lb. 10 oz. (1.19kg)</td>
</tr>
<tr>
<td>Protective Cover</td>
<td>Model No. N-203-C</td>
</tr>
</tbody>
</table>

#### Ritchie Navigator™ DNP-200, 4½” Dial

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dial Size/Design</td>
<td>4 ½” (114mm) / Flat-Card Dial</td>
</tr>
<tr>
<td>Night Lighting</td>
<td>12V Green</td>
</tr>
<tr>
<td>Compensators</td>
<td>Built-in</td>
</tr>
<tr>
<td>Warranty</td>
<td>5-Year</td>
</tr>
<tr>
<td>Approx. Shipping Wt.</td>
<td>3 lb. 10 oz. (1.65kg)</td>
</tr>
<tr>
<td>Protective Cover</td>
<td>Model No. N-203-C</td>
</tr>
</tbody>
</table>

**Weather Shield**

Model No. WS-P (Sold Separately)
Globemaster® Compasses

All Globemaster Compasses are individually custom assembled to order. Please ask your dealer or boat builder for complete specifications, options and ordering information (see note on page 29). Or, call Ritchie Customer Service at 781-709-3202.

Globemaster® SP-5B & SP5C, 5” Dial
- Dial Size/Design: 5” (127mm)/Flat-Card Dial
- Night Lighting: 12V Green
- Compensators: Built-in
- Warranty: 5-Year
- Approx. Shipping Wt.: 6 lb. (2.72kg)
- Protective Cover: Model No. GM-5-C (Sold Separately)
- Weather Shield: Model No. WS-P (Sold Separately)

Ritchie Navigator™ BN-202, 4½” Dial
- Dial Size/Design: 4 ½” (114mm)/CombiDial
- Night Lighting: 12V
- Compensators: Built-in
- Mounting Hole: 5 ¾” (146mm)
- Warranty: 5-Year
- Approx. Shipping Wt.: 2 lb. 5 oz. (1.05kg)
- Protective Cover: Model No. BN-C

Navigator™ Compasses

Ritchie Navigator™, bulkhead back cover, Model No. NC-20

Navigator™ SP-5C

GM-5-C

Navigator™ SP-5B

SP-5C
Globemaster® Compasses

All Globemaster Compasses are individually custom assembled to order. Please ask your dealer or boat builder for complete specifications, options and ordering information (see note on page 29). Or, call Ritchie Customer Service at 781-709-3202.

**Globemaster® D-615 Compasses**
- **Dial Size/Design**: 6” (152mm) Flat-Card Dial
- **Night Lighting**: 12V Green
- **Compensators**: Built-in
- **Warranty**: 5-Year
- **Approx. Shipping Wt.**: 14 lb. (6.36kg)

![Globemaster® D-615 Compasses](image)

**Globemaster® D-515 Compasses**
- **Dial Size/Design**: 5” (127mm) Flat-Card Dial
- **Night Lighting**: 12V Green
- **Compensators**: Built-in
- **Warranty**: 5-Year
- **Approx. Shipping Wt.**: 10 lb. (4.54kg)
- **Protective Cover**: Model No. GM-5-C (Sold Separately)
- **Weather Shield**: Model No. WS-P (Sold Separately)

![Globemaster® D-515 Compasses](image)
Globemaster® Compasses

All Globemaster Compasses are individually custom assembled to order. Please ask your dealer or boat builder for complete specifications, options and ordering information. Or, call Ritchie Customer Service at 781-709-3202.

**Globemaster® FB-500 & 600 Series, 5” & 6” Dials**

- **Dial Size/Design**: 5” (127mm) or 6” (152mm) Flat-Card Dial
- **Night Lighting**: 12V Green
- **Compensators**: Built-in
- **Mounting Hole**: 5” models: 6 3/4” (175mm) OD, 6” models: 7 1/4” (184mm)
- **Warranty**: 5-Year
- **Approx. Shipping Wt.**: See below
- **Protective Cover**: Model No. LL-C (for Models SF-500 & FB-500 only)

### Flush Mount Without Hoods

<table>
<thead>
<tr>
<th>Part #</th>
<th>Dimensions</th>
<th>Approx. Shipping Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>B-500</td>
<td>5” dial, 6 3/4” (175mm) OD</td>
<td>5 lb. 12 oz. (2.61 kg)</td>
</tr>
<tr>
<td>*SB-500</td>
<td>5” dial, 6 7/8” (175mm) OD</td>
<td>5 lb. 12 oz. (2.61 kg)</td>
</tr>
<tr>
<td>B-600</td>
<td>6” dial, 8” (203mm) OD</td>
<td>11 lb. (4.99 kg)</td>
</tr>
<tr>
<td>*SB-600</td>
<td>6” dial, 8” (203mm) OD</td>
<td>11 lb. (4.99 kg)</td>
</tr>
<tr>
<td>*SF-500</td>
<td>5” dial, 7 1/2” (191mm) OD</td>
<td>5 lb. 12 oz. (2.61 kg)</td>
</tr>
<tr>
<td>*SF-600</td>
<td>6” dial, 9” (229mm) OD</td>
<td>11 lb. (4.99 kg)</td>
</tr>
<tr>
<td>FB-500</td>
<td>5” dial, 7 1/2” (191mm) OD</td>
<td>5 lb. 12 oz. (2.61 kg)</td>
</tr>
<tr>
<td>F-600</td>
<td>6” dial, 9” (229mm) OD</td>
<td>11 lb. (4.99 kg)</td>
</tr>
</tbody>
</table>

### Binnacle Mount Without Hoods

<table>
<thead>
<tr>
<th>Part #</th>
<th>Dimensions</th>
<th>Approx. Shipping Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>*SP-5</td>
<td>5” dial, 7 1/4” (184mm) OD</td>
<td>6 lb. (2.72 kg)</td>
</tr>
<tr>
<td>515</td>
<td>5” dial, 7 1/4” (183mm) OD</td>
<td>8 lb. 6 oz. (3.80 kg)</td>
</tr>
<tr>
<td>*515-E</td>
<td>5” dial, 7 1/4” (183mm) OD</td>
<td>8 lb. 6 oz. (3.80 kg)</td>
</tr>
<tr>
<td>615</td>
<td>6” dial, 8 3/16” (197mm) OD</td>
<td>11 lb. 8 oz. (5.28 kg)</td>
</tr>
<tr>
<td>*615-E</td>
<td>6” dial, 8 3/16” (197mm) OD</td>
<td>11 lb. 8 oz. (5.28 kg)</td>
</tr>
</tbody>
</table>

* designates sailboat features: Low Level Lighting and 45° Lubber Lines

Note: When ordering a Globemaster Compass it is important to specify your choice of power or sailboat model; 2°, 2° w/points, or 5° dial; 12, 24, or 32-volt night lighting and your choice of Polished Stainless (P), Black (B) or Polished Brass (X) finish on all models.
Globemaster® Compasses

All Globemaster Compasses are individually custom assembled to order. Please ask your dealer or boat builder for complete specifications, options and ordering information. Or, call Ritchie Customer Service at 781-709-3202.

Globemaster® FD-500 & 600 Series, 5” & 6” Dials

Flush Mount With Hoods

<table>
<thead>
<tr>
<th>Part #</th>
<th>Dimensions</th>
<th>Approx. Shipping Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>FD-500</td>
<td>5” dial, 7 1/2” (191mm) OD</td>
<td>8 lb. 9 oz. (3.87 kg)</td>
</tr>
<tr>
<td>* FD-500E</td>
<td>5” dial, 7 1/2” (191mm) OD</td>
<td>8 lb. 9 oz. (3.87 kg)</td>
</tr>
<tr>
<td>FD-600</td>
<td>6” dial, 8 1/2” (216mm) OD</td>
<td>13 lb. 8 oz. (6.12 kg)</td>
</tr>
<tr>
<td>* FD-600E</td>
<td>6” dial, 8 1/2” (216mm) OD</td>
<td>13 lb. 8 oz. (6.12 kg)</td>
</tr>
</tbody>
</table>

Binnacle Mount With Hoods

<table>
<thead>
<tr>
<th>Part #</th>
<th>Dimensions</th>
<th>Approx. Shipping Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-515</td>
<td>5” dial, 7 1/8” (183mm) OD</td>
<td>10 lb. (4.54 kg)</td>
</tr>
<tr>
<td>* D-515-E</td>
<td>5” dial, 7 1/8” (183mm) OD</td>
<td>10 lb. (4.54 kg)</td>
</tr>
<tr>
<td>D-615</td>
<td>6” dial, 8 3/16” (197mm) OD</td>
<td>14 lb. (6.36 kg)</td>
</tr>
<tr>
<td>* D-615-E</td>
<td>6” dial, 8 3/16” (197mm) OD</td>
<td>14 lb. (6.36 kg)</td>
</tr>
</tbody>
</table>

* designates sailboat features: Low Level Lighting and 45° Lubber Lines

Note: When ordering a Globemaster Compass it is important to specify your choice of power or sailboat model; 2°, 2° w/points, or 5° dial; 12, 24, or 32-volt night lighting and your choice of Polished Stainless (P), Black (B) or Polished Brass (X) finish on all models.
Heritage Skylight Binnacle with Hood for Globemaster® Compasses

• Polished Brass or Chrome Housing with Skylight Hood
• 45 & 90 Degree Lubber Lines for Easy Reading
• Full Internal Gimbals

The SK-615-C shown here on a Friendship 75 Yacht

12 Volt Green NiteVu Powerlight Lighting
Standard on all SK Models
Optional Night Lighting available (see below)

SK-615-EX & SK-615-EC

Dial Size/Design
6” (152mm)

12 Volt Green Powerlight Lighting
Standard on both SK models
Optional Night Lighting available in
24 & 32 Volt Green or 12, 24 & 32 Volt Red

Compensators
Built-In

Warranty
5-Years

Repairability
100%

approx. Shipping Wt.
20 lb. (9.07kg)

Choice of Cards:
2° Dial w/points
Model No. G-2-P

5° Dial
Model No. G-5

Hood Models SK-600-X and SK-600-C can be purchased separately

Freindship 75 Yacht photo shown above courtesy of Ivor Wilkins, Freindship Yachts
Super Yacht Compasses

Super Yacht Compass Features

- Bright polished Bronze or polished Chrome Bezel
- Choice of 2 or 5 degree markings
- Low profile Sailboat Style Lighting (LL) or Power Lighting (PL)
- PowerDamp Performance Dials
- 45 and 90 Degree Lubber Lines (Sailboat version)
- Full Internal gimbals
- 12 volt lighting standard — Optional night lighting available in 24 and 32 volt
- Spherical Design Bowl
- 100% Repairable
- To see all available options go to www.ritchienavigation.com

Optional engraving available

Super Yacht SY-600 Series
Dial Size/Design | 6” (152mm) Flat-Card Dial
Night Lighting | Yes
Mounting Hole | 7 1/4” (18.42cm)
Compensators | Built-in
Warranty | 5-Year
Approx. Shipping Wt. | 11 lbs. (4.99kg)
Protective Cover | None

Super Yacht SY-500 Series
Dial Size/Design | 5” (127mm) Flat-Card Dial
Night Lighting | Yes
Mounting Hole | 6 1/4” (15.9cm)
Compensators | Built-in
Warranty | 5-Year
Approx. Shipping Wt. | 5 lb. 12oz. (2.6kg)
Protective Cover | LL-C (LL lighting only)
# Steel & Commercial Boat Compasses

Ritchie steel boat compasses are completely equipped with the necessary compensating equipment (BIC and quadrant spheres) to provide proper operation on steel hulled boats.

<table>
<thead>
<tr>
<th>Model</th>
<th>Dial Size/Design</th>
<th>Night Lighting</th>
<th>Overall Dimensions</th>
<th>Base</th>
<th>Warranty</th>
<th>Approx. Shipping Wt.</th>
<th>Protective Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Helmsman™ HB-845 with Steel Boat Quadrantal Correctors, 3¾” Dial</strong></td>
<td>3 ¾” (57mm)/Flat-Card Dial</td>
<td>12V Green</td>
<td>12” x 6 1/8” (305mm x 157mm)</td>
<td>4 ¾” (111mm)</td>
<td>5-Year</td>
<td>6 lb. (2.72kg)</td>
<td>Model No. H-741-C</td>
</tr>
<tr>
<td><strong>Navigator™ B-200P with Steel Boat Quadrantal Correctors, 4½” Dial</strong></td>
<td>4 ½” (114mm)/Flat-Card Dial</td>
<td>12V Green</td>
<td>17 ¼” x 6 1/8” (438mm x 157mm)</td>
<td>7 ¼” (184mm)</td>
<td>5-Year</td>
<td>10 lb. (4.5kg)</td>
<td>Model No. N-203-C</td>
</tr>
</tbody>
</table>

---

**Helmsman™ HB-845**

![Helmsman™ HB-845](image1)

**Navigator™ B-200P**

![Navigator™ B-200P](image2)
# Steel & Commercial Boat Compasses

Ritchie steel boat compasses are completely equipped with the necessary compensating equipment (BIC and quadrantal spheres) to provide proper operation on steel hulled boats.

## Globemaster® D-5-S & D-6-S with Steel Boat Quadrantal Correctors, 5” & 6” Dial

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>D-5-S</strong></td>
<td>5” (127mm)</td>
<td>12V Green</td>
<td>22” x 8 3/4” (556mm x 223mm)</td>
<td>7 1/4” (181mm)</td>
<td>5-Year</td>
<td>23 lb. (10.44kg)</td>
</tr>
<tr>
<td><strong>D-6-S</strong></td>
<td>6” (152mm)</td>
<td>12V Green</td>
<td>23 3/4” x 10 1/4” (603mm x 260mm)</td>
<td>8 3/4” (209mm)</td>
<td>5-Year</td>
<td>29 lb. (13.15kg)</td>
</tr>
</tbody>
</table>

## Globemaster® YB-500 & YB-600 with Steel Boat Quadrantal Correctors, 5” & 6” Dial

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>YB-500</strong></td>
<td>5” (127mm)</td>
<td>12V Green</td>
<td>19” x 8 1/4” (483mm x 210mm)</td>
<td>6 1/6” (175mm)</td>
<td>5-Year</td>
<td>18 lb. (8.16kg)</td>
</tr>
<tr>
<td><strong>YB-600</strong></td>
<td>6” (152mm)</td>
<td>12V Green</td>
<td>20 1/4” x 9 7/8” (514mm x 245mm)</td>
<td>8” (203mm)</td>
<td>5-Year</td>
<td>26 lb. (11.90kg)</td>
</tr>
</tbody>
</table>

**IMPORTANT ORDERING INFORMATION:** All Steel and Commercial Boat Compasses are individually custom assembled to order, and there are many options to consider. All models are available with your choice of 12, 24, or 32-volt night lighting. In addition, Globemaster Models are available for either sail or powerboats with a choice of dial sizes and dial degree graduations. The Globemaster Traditional Binnacle Models are also available in Polished Brass (X), Chrome Plated Brass (C) or Black (B) finish. Please ask your dealer or boat builder for complete specifications, options and ordering information or call Ritchie Customer Service at 781-826-5131.
Globemaster™ Shock Mount Compasses

Globemaster shock mount compasses are equipped with an anti-vibration feature which isolates the compass unit from damaging shock or hull vibrations. Shock-mounted binnacle models should be installed in enclosed bridge decks or pilot houses.

Globemaster® Shock Mount Binnacle B-453 & B-463 with Steel Boat Quadrantal Correctors

For Steel and Commercial Vessels

<table>
<thead>
<tr>
<th></th>
<th>B-453</th>
<th>B-463</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dial Size/Design</td>
<td>5&quot; (127mm)</td>
<td>6&quot; (152mm)</td>
</tr>
<tr>
<td>Night Lighting</td>
<td>12V Green</td>
<td>12V Green</td>
</tr>
<tr>
<td>Overall Dimensions</td>
<td>19&quot; x 8 1/4&quot; (463mm x 210mm)</td>
<td>20 1/4&quot; x 10 1/4&quot; (521mm x 260mm)</td>
</tr>
<tr>
<td>Base</td>
<td>8 7/16&quot; (214mm)</td>
<td>9 3/16&quot; (241mm)</td>
</tr>
<tr>
<td>Warranty</td>
<td>5-Year</td>
<td>5-Year</td>
</tr>
<tr>
<td>Approx. Shipping Wt.</td>
<td>16 lb. (7.25kg)</td>
<td>24 lb. (10.89kg)</td>
</tr>
</tbody>
</table>

Globemaster® C-453 & C-463 with Shock Mount Binnacle

For Commercial Vessels

<table>
<thead>
<tr>
<th></th>
<th>C-453</th>
<th>C-463</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dial Size/Design</td>
<td>5&quot; (127mm)</td>
<td>6&quot; (152mm)</td>
</tr>
<tr>
<td>Night Lighting</td>
<td>12V Green</td>
<td>12V Green</td>
</tr>
<tr>
<td>Overall Dimensions</td>
<td>8 1/8&quot; x 8 1/8&quot; (216mm x 210mm)</td>
<td>9 1/8&quot; x 10 1/8&quot; (241mm x 260mm)</td>
</tr>
<tr>
<td>Base</td>
<td>8 7/16&quot; (214mm)</td>
<td>9 3/16&quot; (241mm)</td>
</tr>
<tr>
<td>Warranty</td>
<td>5-Year</td>
<td>5-Year</td>
</tr>
<tr>
<td>Approx. Shipping Wt.</td>
<td>7 lb. (3.52kg)</td>
<td>12 lb. (5.44kg)</td>
</tr>
</tbody>
</table>
Navy Standard Compasses
For Large Commercial Vessels

Navy Standard NS - 7.5 -SB
with Steel Boat Quadrantal Correctors, 7½” Dial

- Dia Size/Design: 7 1/2” (192mm)/Flat-Card Dial
- Night Lighting: 12V, 24V, 32V, and 110V
- Overall Dimensions: 11 3/4” x 5 15/16” (299mm x 151mm)
- Base: 12 1/2” (318mm)
- Warranty: 5-Year
- Approx. Shipping Wt.: 43 lb. (19.5kg)

Navy Standard NS - 7.5 , 7½” Dial

- Dia Size/Design: 7 1/2” (192mm)/Flat-Card Dial
- Night Lighting: 12V, 24V, 32V, and 110V
- Overall Dimensions: 11 3/4” x 9 3/8” (299mm x 238mm)
- Base: 12 1/2” (318mm)
- Warranty: 5-Year
- Approx. Shipping Wt.: 19 lb. (8.6kg)

Navy Standard NS - 7.5-BIN , 7½” Dial
without mounting bracket for installation in ship’s binnacle

- Dia Size/Design: 7 1/2” (192mm)/Flat-Card Dial
- Night Lighting: 12V, 24V, 32V, and 110V
- Overall Dimensions: 11 3/4” x 5 15/16” (299mm x 151mm)
- Base: 12” (304mm)
- Warranty: 5-Year
- Approx. Shipping Wt.: 16 lb. (7.3kg)

Our Navy Standard Azimuth Circle

- 1° increments with cardinal and inner cardinal markings
- Dial float chamber removes nearly all the weight from pivot and jewel to extend operation by years
- Bezel machined to accommodate 7½” Navy standard azimuth circle or bearing circle
- 5” quadrantal spheres standard with steel boat model, smaller sizes available on request
- Meets or exceeds Solas ISO Class A compass requirements
- Operating Temperature Range: -22°F (-30°C) to +175°F (+80°C)
- 12, 24, 32, and 110 Volt Lighting included
- Fits Navy Standard compasses
- Made of high quality non-magnetic brass
- ID 9.72 inches (247mm)
- Approximate shipping weight 4 lbs. (1.8 kg.)

Navy Standard Compass Features

- Model AC-0001
- High quality Hardwood Carrying Case Included

Azimuth Circle and case made in China
**RITCHIE AUTHORIZED SERVICE LOCATIONS**

**ALABAMA**
Mobile Instrument Co. Inc.
745 Lakeside Dr.
Mobile 36693
(251) 660-7474
mwillis@mobileinstrumentco.com
www.mobileinstrumentco.com

**CALIFORNIA**
Baker Marine
Instrument & Repair
2425 Shelter Island Dr.
San Diego 92106
(619) 222-8096
brian@bakermarineusa.com
www.bakermarineusa.com

Beacon Marine Electronics
3401 West 5th St.
Suite 150
Oxnard 93030
(805) 985-9828
info@beaconmarineelectronics.com
www.beaconmarineelectronics.com

NOR-CAL Compass Adjusting
936-B Seventh St. #258
Novato 94945
(415) 892-7177
norcal.compass@verizon.net

Wheelhouse Compass
11570 Stoney Brook Ct.
Beaumont 92223
800-700-NAVY (6289)
compassrepair@wheelhousecompass.com

**CONNECTICUT**
Connecticut Compass Service
301 Grassy Hill Rd.
Lyme 06371
(860) 434-2019
wkyder@earthlink.net

George B. Winther Yacht Services
Gwenmor Marina,
Broadway Ext.
Mystic 06355
(860) 536-0845

**MASSACHUSETTS**
Andrews Compass Service
31 N. Alfred Ave.
Elgin 60123
(847) 697-6491
andrewscompassservice.com

Viking Instruments
41 Summer St. Rt. 3A
Kingston 02364
(781) 585-2100
info@vikingoptics.com
www.vikingcompass.com

**FLORIDA**
Fluid Technologies
3477 Lakeshore Blvd.
Jacksonville, FL 32210
(904) 384-9659
info@fluid-tec.com
www.fluid-tec.com

**ILLINOIS**
Great Lakes Compass
Adjusting & Repair
31 N. Alfred Ave.
Elgin 60123
(847) 697-6491

**LOUISIANA**
American Electronic Service Inc.
1401 Sandra St.
Morgan City 70380
(985) 702-8400
gbf@atvci.net

**Baker, Lyman & Co., Inc.**
5250 Veterans Memorial Blvd.
Metairie 70006
(504) 831-3685
sales@bakerlyman.com
www.bakerlyman.com

**MAINE**
DNW Marine Services, Inc.
P.O. Box 674
176 Clark Point Road
Southwest Harbor, ME 04679
(207) 244-3490

**MARYLAND**
East Coast Compass
1 Queen Anne Ave.
Cambridge 21613
(410) 463-0325
Drop off Location:
E.S. Hubbert & Son
True Value Hardware
403 Sunburst Hwy. Rt. 50
Cambridge 21613
tshubb@comcast.net

J Gordon & Company, Inc.
726 Second Street
Annapolis 21403
(410) 263-0054
jgordonco@aol.com

Maryland Nautical Sales Inc.
1400 E Clement St.
Baltimore 21230
(410) 752-4268
sales@mdnautical.com
www.mdnautical.com

**MASSACHUSETTS**
Andrews Compass Service
11 Baptist Street
P.O. Box 1122
Mattapoisett 02739
(508) 758-3001
andrewscompassservice.com

**Viking Instruments**
41 Summer St. Rt. 3A
Kingston 02364
(781) 585-2100
info@vikingoptics.com
www.vikingcompass.com

**NEW YORK**
Howard Post
1001 Oak Preserve Lane
Osprey, FL 32210
(941) 966-4987 (FL)
(732) 295-1871 (NJ)
TheHopo@aol.com

**HAWAII**
Commercial Marine Elect.
dba The Compass Adjustor
1320 Kalani St #B309
Honolulu 96817
(808) 841-3300
cmeofhawaii@gmail.com

**SOUTHERN NEW ENGLAND**
Compass Service
167 Cherry St.
Milford 06460
(203) 400-1910
mgabriel3@juno.com

**FLUID TECHNOLOGIES**
3477 Lakeshore Blvd.
Jacksonville, FL 32210
(904) 384-9659
info@fluid-tec.com
www.fluid-tec.com

**WORLDWIDE SERVICE STATIONS**

**Navy Standard NS - 7.5 - SB**
with Steel Boat Quadrantal Correctors, 7½" Dial

- 1° increments with cardinal and inner cardinal markings
- Dial float chamber removes nearly all the weight from pivot and jewel to extend operation by years
- Bezel machined to accommodate 7½" Navy standard azimuth circle or bearing circle
- 5" quadrantal spheres standard with steel boat model, smaller sizes available on request
- Meets or exceeds Solas ISO Class A compass requirements
- Operating Temperature Range: -22°F (-30°C) to +175°F (+80°C)
- 12, 24, 32, and 110 Volt Lighting included
MICHIGAN
G T Compass
Compensation & Repair
5250 Vance Rd.
Grawn 49637
(231) 943-9819
GE55259@sbcglobal.net

NEW JERSEY
Howard Post
8 Logan Ct.
Brick, NJ 08724
(732) 295-1871 (NJ)
(941) 966-4987 (FL)
TheHopo@aol.com

NEW HAMPSHIRE
Young’s Maritime Services, LLC
311 Pickpocket Rd
East Wakefield, NH 03830
(603) 312-4237
info@youngsmaritimeservices.com
www.youngsmaritimeservices.com

NEW YORK
Brewer Yacht Yard
at Greenport Inc.
500 Beach Rd.
Greenport 11944
(631) 871-2588
gmill@aol.com

North Sea Navigator
9 Logan Hill Rd.
Northport 11768
(631) 757-7169
njacobss31@optonline.net
www.northseacompass.com

NORTH CAROLINA
Holden Navigation
41 Jordan Drive
Belhaven 27810
(252) 964-2436
hold@gotricounty.com

Island Compass South Inc. –
Charlotte, NC Area
681 Bonum Rd.
Lake Wylie, SC 29710
(803) 831-9986
(919) 323-5225
compassfix@islandcompass.com
www.islandcompass.com

Ship Creek Boat Works
346 Scotts Hill Loop Rd.
Wilmington 28411
(910) 686-3975
shipcreekboatworks@hotmail.com

OHIO
Ford-Smith Associates
6870 Kepler Rd.
Clinton 44216
(330) 882-4441
(330) 338-4717
FCruzanOn@aol.com

OREGON
Mark Anderson,
Compass Adjuster
3006 NE Everett St.
Portland 97232-3251
(503) 720-6184
Fax (503) 345-0944
msa-adjuster@clear.net
www.TheCompassAdjuster.com

RHODE ISLAND
East Bay Compass Service
128 Church Pond Drive
Tiverton 02878
(401) 864-7161
ebcs@cox.net
Hempstead Navigation Service, LLC
296 William Reynolds Rd.
P.O. Box 123
Exeter 02822
(401) 294-9310
hempnav@gmail.com

TEXAS
Land Sea & Sky Unlimited
1927 Richmond Ave.
Houston 77009
(713) 529-3551
repairs@lsssky.com
www.landseaskyco.com

Marine & Industrial Specialties, Inc.
10 Ash St.
P.O. Box 2077
Freeport 77541
(979) 233-0181
rgores@sbcglobal.net

VERMONT
Bill Austin Marine Services
1933 So. Hill Rd.
Ludlow 05149
(203) 505-9319
(802) 228-7710
snecs@aol.com

VIRGINIA
R.Smola Company
10231 Warwick Blvd.
Newport News 23601
(757) 596-6900

Norfolk Navigation
P.O. Box 8440
Norfolk 23503
(757) 943-1955
norfolknav@gmail.com

WASHINGTON
Eknes Instrument
Seattle 98107
(206) 783-3303
compassman98107@yahoo.com

Island Marine Instrument Co., Inc.
2214 Broadway
Everett 98201
(888) 539-2757
Fax (425) 258-4120
cdrc ompass@islandmarineinst.com
www.islandmarineinst.com

CARIBBEAN
TRINIDAD WEST INDIES
Marine Consultants
(Trinidad) Limited
43A Charles St.
Port of Spain
(868) 625-1309
FAX (868) 627-3349
mcl@mcl.co.tt
www.mcl.co.tt

ST. THOMAS
Davis Murray
Compass Adjusting & Repair
6501 Red Hook Plaza
Suite 201
St Thomas, VI 00802
(340) 244-0627
splinterbeach@hotmail.com

AUSTRALIA
BLA
131 Rivergate Place
Murarie, Queensland 4172
(07) 3907 5500
FAX (07) 3907 5599
bla@bla.com.au
www.bla.com.au

CANADA
BRITISH COLUMBIA
The Compass Shop
Coquitlam, Delta, Campbell River
(604) 202-4531
service@thecompassshop.ca
www.thecompassshop.ca

NEW BRUNSWICK
Maritime Compass
468 White Head Rd.
White Head Island
E5G 1K9
(506) 662-5829
navigate@fundybaynetworks.com

ONTARIO
Brewers Marine Supply
65 Guise St. E
Hamilton L8L 8B4
(905) 529-4114
info@brewersmarine.com
www.brewersmarine.com
Ontario Compass
P.O. Box 510007
City Centre Postal Outlet
Brampton L6T 5M2
(416) 903-6153
Fax (905) 455-7543
ontariocompass@ica.net

QUEBEC
Raytech Electronique
1451 Laurentides
Laval H7M 2Y3
(450) 975-1015
raytech@raytech.ca
www.raytech.ca

FINLAND
Oy Maritim Ab
P.O. Box 46
Veneenteikijantie 1
00210 Helsinki
+358 207 65180
www.maritim.fi

FRANCE
Euromarine
2599 Route De La Fenerie
06580 Pegomas
Phone: +33(0)4 93 90 47 06
Fax: +33(0)4 93 90 47 11
www.euromarine.fr

GERMANY
ZN-Technik
Dipl.-Ing. Rolf Paulzen
Hirtenweg 15
D-85375 Neufahrn bei Muenchen
+49-8165-939366
+49-172-9000910
Fax +49-8165-939368
paulzen@zn-technik.de

GREECE
Alex Marine
5 Leocherous St.
18531 Piraeus
+30 (210) 4129539
alexmarine@otenet.gr

ITALY
Arimar S.P.A.
Via Beneficio II Tronco 57/B,
Montalletto di Cervia (RA) 48015
Tel: 39/544/965689
Web: www.arimargroup.com

JAPAN
Royal Industries, Co. Ltd.
3-4-15 Toyoda,
Minami-ku, NAGOYA
457-0841
+81 (52) 731-4789
FAX +81 (52) 731-4784
marine@royal-kk.co.jp

MASSACHUSETTS
E.S. Ritchie & Sons, Inc.
243 Oak Street, P.O. Box 548
Pembroke, MA 02359

MALTA
International Marine Center Ltd.
Testaferrata Street, Ta Xbiex XBX 1465
Malta – EUROPE
(+356) 2133 2747
Fax (+356) 2134 3871
info@imc.com.mt
www.imc.com.mt

NETHERLANDS
Datema Delfzijl BV
Zeeluizen 8
9336 HK Delfzijl
+31 (596) 635 252
FAX +31 (596) 615 245
sales@datema.nl
www.datema.nl

NEW ZEALAND
Compass & Sextant Specialists
52A Bayswater Ave
Bayswater
+64 (9) 445-3336
+64 274 751 761
dschaf@xtra.co.nz
www.Finda.co.nz

 norway
Telmo Control A/S
PB. 46
N-2021 Skedsmokorset
+47 66926500
postmaster@telmo.no

RUSSIA
Czar Trade House
42 Kastanaevskaya Str.,
121108, Moscow, Russia
+7 499-730-55-00
inf@czar.ru
stanislav@czar.ru
www.czar.ru

SINGAPORE
Marine International Pte Ltd
388 East Coast Road
Singapore 428990
+65 64473004
FAX +65 64474110
Email: salesinfo@marine-intl.com.sg
Web: www.marine-intl.com.sg

SOUTH AFRICA
Cape Town Regions
Magnetic Compass Service
“Compassman” Compass Adjusters
26 Rocklands Rd, Murdoch Valley
Simon’s Town
Phone: +27 21 7862190
084393 3304
gusmos@mweb.co.za
Find me on “Hotfrog”

SWITZERLAND
Bucher + Walt SA
Route de Soleure 8
CH-2072 Saint-Blaize
+41 (32) 7559500
fzehnder@bucher-walt.ch
www.bucher-walt.ch

UNITED KINGDOM
ENGLAND
BPSC Marine Services
16 Penshurst Way
Boyatt Wood, Eastleigh
Hampshire SO50 4RJ
+44 (07710) 092885
barry.phillips2@ntlworld.com

SCOTLAND
Thomas Gunn
Navigation Services
62 Regent Quay
Aberdeen
Aberdeenshire AB11 5AR
+44 (1224) 590545
info@thomasgunn.com

VENEZUELA
Maritime Electronics Technologies, C.A.
Av. Tajamar, Sector El Paraíso
Marina Bahia Redonda, Local 10
Puerto La Cruz, Anzoátegui
(+58)-281-267.86.83
Fax (+58)-281-263.57.05

WARRANTY
We warrant all Ritchie instruments to be free of defects in workmanship or materials. If a Ritchie magnetic compass has a manufacturing defect within five years of purchase date, it will be repaired or replaced without charge. This warranty does not cover breakage through accident or misuse. Replacement or repair will be made if the instrument is returned prepaid to a Ritchie Service Station or directly to:
E.S. Ritchie & Sons, Inc.
243 Oak Street, P.O. Box 548
Pembroke, MA 02359

SERVICE STATIONS
For more information including articles, downloads and our Complete Guide to Compass Navigation, visit: www.ritchienavigation.com