

### Danforth

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Discover Danforth at [www.danforthcompass.com](http://www.danforthcompass.com)



For over fifty years, Danforth has led the way in the design and manufacture of innovative marine compasses, incorporating an exclusive NO-SPIN Global Balancing card system for stable readings and a perfectly level card in all sea conditions world-wide.

## The Danforth GLOBALBalance® Card System



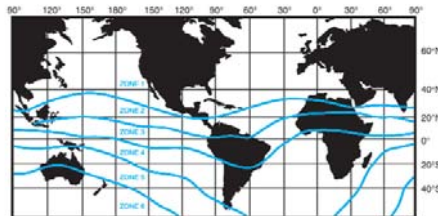
As part of ITT Industries, Danforth offers a broad range of compasses. Exclusive technologies and patents, combined with the care and craftsmanship of a proud American staff, make Danforth compasses your best choice for accuracy and reliability.

Danforth, with many models recognized as "classics" for prestigious yachts, Coast Guard, Navy and commercial vessels, is synonymous with "the finest that money can buy".

Danforth is pleased to announce the introduction of our new GLOBALBalance Card System, which guarantees a perfectly level card, anywhere in the world. Balancing of cards for specific geographic locations is now a thing of the past with this new patented technology.

In addition, the GLOBALBalance card system, which incorporates the exclusive Danforth card floatation design, affords boat owners exceptional card stability, even in the roughest conditions.

Now standard in all 2-5/8" (67mm) Skipper™, 3-3/8" (85mm) Cruiser®, 3-3/4" (95mm) Corsair® IV, Saturn® and 4-1/2" (115mm) Constellation® compass models, the new GLOBALBalance system is available in a variety of card colors (black, blue, red, or white) and styles (flat read, front read or dual read). All model numbers remain the same.

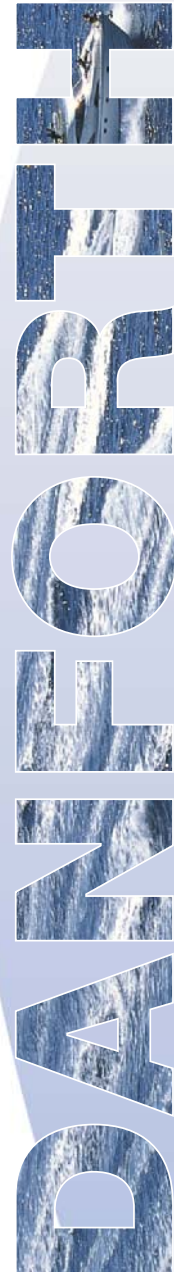
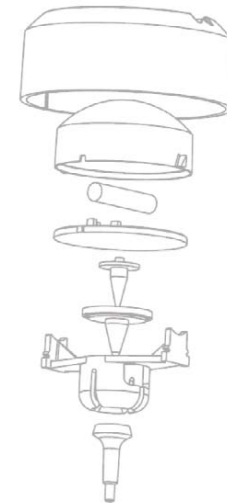
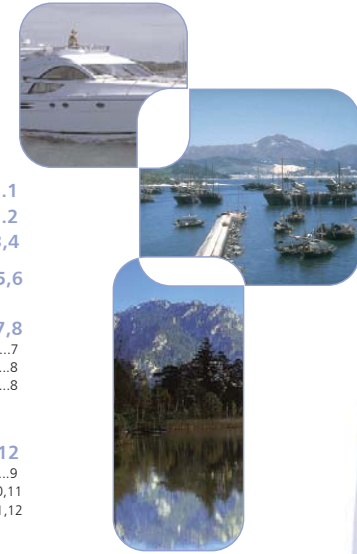


"Global Balance" models remain level in all six zones

Action photography courtesy of:  
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# Choosing The Right Compass

A magnetic compass is a relatively simple piece of navigational equipment. Its sole function is to point to Magnetic North. Properly installed and adjusted, it will reliably guide you home, even in the event that your electronic navigational equipment becomes disabled. It should be considered as a valuable piece of safety gear.

Selecting the right compass for your boat is an easy process. There are usually a few correct compass choices for any given boat, based upon the boat size, design, speed and of course, your personal preference.

Modern compasses are primarily defined by their size, card style, mounting style, color, and whether they are gimballed. "Size" is defined by the "apparent" card diameter, that is, how big the card appears under the magnifying lens effect of the transparent plastic compass dome (See Fig. 1). Common sizes are 2", 3", 3-3/8", 3-3/4", 4-1/2", 5", 5-1/2". In general, the larger the compass, the larger the numbers will appear. Hence, the easier the headings will be to read. Another benefit of a larger compass is that it will be more stable in a heavy seaway.

There are three different card (or dial) styles, each with its advantages. The most common style historically is the "flat" card (See Fig. 2A). Modern flat cards are actually dished-shaped like a saucer. The purpose of the turned-up edge is to improve readability at low angles of viewing. Headings are read from the top, forward edge, farthest from the helmsman. Unlike the front-reading style compass card, a quick glance at a flat card provides instant directional orientation. "South is this way and East is that way."

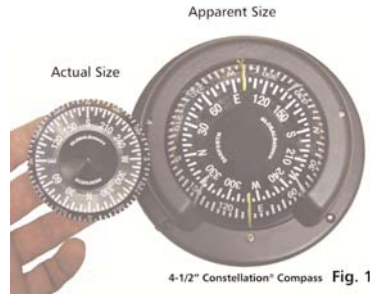
Flat card compasses are the correct choice when the helmsman's line of sight to the compass is from above, as with sailboat pedestal and center console powerboat installations. A major advantage with the flat card style is that the numbers and graduation lines will appear much larger, compared to the other card styles. This is because the flat card is a greater distance from the transparent compass dome than with other card configurations. The magnification effect is therefore greater. As a result, a 3" compass with a flat card can be easier to read than a 3-3/4" compass with a front-read or dual-read card.

By far, the most common card style currently is front-reading. See Fig. 2B. Front-reading cards are dome-shaped or conical-shaped with the headings read from the card skirt (vertical edge) closest to the helmsman. This style of card is recommended when the compass is mounted at, or just below, the helmsman's line of sight, when a flat card could not be easily read at such a low angle of viewing. Most compasses under 3" in size are front-reading and are most commonly found on powerboats up to about 25'.

There are two drawbacks to front-reading cards. The magnification of the card is only slight. Hence, compared to a flat card compass of the same size, the numbers will appear much smaller and will be more difficult to read. The other drawback is the confusion sometimes created when one attempts to orient oneself directionally by looking at a front-reading card. If, for example, the current heading is "S" (South), the "W" (West) card designation is to the left of the "S" on the card. By turning the boat left however, you would be heading East. With a flat card it is much simpler. If the heading is "S", the "W" card designation is to the right of the "S" on the card. By turning right toward the "W", you would be heading West.

The third and most recent card style to evolve is the dual-reading card. This card style combines the elements of both the flat-reading and front-reading card systems. See Fig. 2C. Depending upon the manufacturer, the "flat" graphics may be complete (graduations every 5°) or only partial, which is far less useful for steering. (All Danforth dual-reading cards have complete graphics). The "front-reading" graphics are always complete with this style of card. Compasses with dual-reading cards are the best choice when the helmsman's viewing angle may vary greatly (standing v.s. sitting). For example, when the helmsman may stand or sit while underway, changing the viewing angle from above to level with the line of sight. Dual-reading compasses are common found on mid to large size powerboats where the compass is mounted on top of the console at eye level for a seated helmsman.

## Compass Size = Apparent Card Diameter



Flat Card



Fig. 2A

Front-reading Card



Fig. 2B

Dual-reading Card



Fig. 2C

Compass mounting options are flush mount, bracket mount, binnacle mount and bulkhead mount. Flush mounting is the preferred method for Boat Builders (See Fig. 3A). Although a clearance hole needs to be cut in the mounting surface, which increases the time required to install the compass, the finished installation is "cleaner" in appearance and gives a more integrated look that is less like an add-on or afterthought. Drawbacks with a flush-mounted compass, in addition to the need to cut a hole in the console, include the requirement for a flat mounting surface that is level within a few degrees and has adequate clearance underneath to accommodate the bottom of the compass. Flush mounting also requires more console space than does a bracket mounting.

Flush Mount



Fig. 3A

Bracket Mount



Fig. 3B

Bracket mounted compasses provide for the easiest and most versatile installation (See Fig. 3B). Requiring only two screws to affix the compass, the bracket's small "footprint" allows it to be easily mounted in confined areas, where console space is at a minimum. Another benefit is that the bracket can be rotated for mounting on surfaces canted fore and aft, from horizontal to vertical.

Binnacle Mount



Fig. 3C

Binnacle mounting is most common on sailboats, where the compass, mounted in a cylinder, is affixed to the top of the steering pedestal (See Fig. 3C). Binnacle mounting is sometimes referred to as "deck mounting", when the compass cylinder is mounted to a console or deck. Another variation to binnacle mounting is "surface mounting". Surface mounting usually refers to smaller compasses which are removable from their bases that have been affixed onto the surface of the console. The binnacle mounted compass and its variants are all held to the mounting surface with a number of screws, usually two to four. One drawback to this style of compass is that it occupies a lot of mounting real-estate, much more than with bracket mounting and sometimes more than flush mounting.

Bulkhead Mount



Fig. 3D

Bulkhead mounting is the same as flush mounting except that the compass is installed on a vertical surface (See Fig. 3D). A variation of bulkhead mounting is "panel mounting", where a small compass is mounted in the gauge panel. This style of compass can usually be adjusted to accommodate surfaces inclined up to 30°.

Gone are the days when the statement "You can have any color compass you want, as long as it is black" has relevant meaning. Modern compasses are now available in several color configurations. Although a black housing with a black card remains popular, white and gray housings are readily available, as are white, blue and red cards.

With respect to "gimbaling", it is better to have it than not. Gimballed compasses are usually more expensive than non-gimballed ones but have a couple of important advantages. They are more stable and more readable. Gimbaling allows the compass card to remain level over a very wide range of roll, pitch and yaw angles. Gimbaling also ensures that the lubberline (index pin) remains perpendicular to, and in proper alignment with, the card for accurate readings. Gimballed compasses are essential for sailboat installations and recommended for powerboat installations as well. Generally, gimbaling is the "norm" in compasses over 3-3/4" in size.

Ready to make your compass choice? Go to the Compass Selection Guide on page 5. Simply find your boat style and size at the top of the chart, then follow that column down to find the compass model choices recommended for your boat. Each of these compasses can be found in the catalog on the page listed beside the compass model number.





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		To-22ft. 18-24ft. 24-30ft. 30+	Sport Boats, Runabouts, 18-22ft. 20-24ft. 24-30ft.	Sport Fishing- Center Consoles, Bass Boats 30-36ft. 36+ Sport Fishing- Flybridge 26-30ft. 30-36ft. 40-48ft. 48+	Cruisers- Motor Yachts & Trawlers Cruiser & Sportfishing Offshore Racing 14-20ft. 18-24ft. 24+	High- Performance Daysailors 22-28ft. 24-30ft. 30+	Cruising w/Tiller 22-30ft. 30+	Cruising w/Pedestals 14-20ft. 18-24ft. 24-30ft. 30-40ft. 40+	Racing		
<b>Danforth® Quest®</b>											
2" (51mm) Apparent Card Diameter											
<b>Bracket Mount</b>											
C100	7	•	•	•							
C101	7	•	•	•							
C102	7	•	•	•							
C103	7	•	•	•							
<b>Flush Mount</b>											
C104	8	•	•	•							
C105	8	•	•	•							
<b>Danforth® Skipper™ II</b>											
2-5/8" (67mm) Apparent Card Diameter											
<b>Flush Mount</b>											
A92	9	•	•	•	•	•	•	•	•	•	•
A92G	9	•	•	•	•	•	•	•	•	•	•
A92W	9	•	•	•	•	•	•	•	•	•	•
<b>Bracket Mount</b>											
A80B	11	•	•	•	•	•	•	•	•	•	•
A91	10	•	•	•	•	•	•	•	•	•	•
A91G	10	•	•	•	•	•	•	•	•	•	•
A91W	10	•	•	•	•	•	•	•	•	•	•
<b>Surface Mount</b>											
A93B	12	•	•	•	•	•	•	•	•	•	•
A93G	12	•	•	•	•	•	•	•	•	•	•
A93W	12	•	•	•	•	•	•	•	•	•	•
A121	11	•	•	•	•	•	•	•	•	•	•
<b>Danforth® Cruiser™</b>											
3-3/8" (86mm) Apparent Card Diameter											
<b>Bracket Mount</b>											
A150	14	•	•	•	•	•	•	•	•	•	•
<b>Binnacle Mount</b>											
A152	14	•	•	•	•	•	•	•	•	•	•
<b>Flush Mount</b>											
C351B	13	•	•	•	•	•	•	•	•	•	•
A154	13	•	•	•	•	•	•	•	•	•	•
A154W	13	•	•	•	•	•	•	•	•	•	•
A154WB	13	•	•	•	•	•	•	•	•	•	•

Index of Models	Page	Powerboats					Sailboats				
		To-22ft. 18-24ft. 24-30ft. 30+	Sport Boats, Runabouts, 18-22ft. 20-24ft. 24-30ft.	Sport Fishing- Center Consoles, Bass Boats 36+ Sport Fishing- Flybridge 26-30ft. 30-36ft. 40-48ft. 48+	Cruisers- Motor Yachts & Trawlers Cruiser & Sportfishing Offshore Racing 14-20ft. 18-24ft. 24+	High- Performance Daysailors 22-28ft. 24-30ft. 30+	Cruising w/Tiller 22-30ft. 30+	Cruising w/Pedestals 14-20ft. 18-24ft. 24-30ft. 30-40ft. 40+	Racing		
<b>Danforth® Corsair® IV</b>											
3-3/4" (95mm) Apparent Card Diameter											
<b>Binnacle Mount</b>											
C352-3	17	•	•	•	•	•	•	•	•	•	•
C352-3W	17	•	•	•	•	•	•	•	•	•	•
C352F-3	17	•	•	•	•	•	•	•	•	•	•
<b>Bracket Mount</b>											
C398F-3	17	•	•	•	•	•	•	•	•	•	•
C398-3	17	•	•	•	•	•	•	•	•	•	•
<b>Flush Mount</b>											
C399-3	16	•	•	•	•	•	•	•	•	•	•
C399-3W	16	•	•	•	•	•	•	•	•	•	•
C399F-3	16	•	•	•	•	•	•	•	•	•	•
C399F-3W	16	•	•	•	•	•	•	•	•	•	•
C399-3	16	•	•	•	•	•	•	•	•	•	•
C399D-3	15	•	•	•	•	•	•	•	•	•	•
C399D-3W	15	•	•	•	•	•	•	•	•	•	•
<b>Danforth® Saturn®</b>											
3-3/4" (95mm) Apparent Card Diameter											
<b>Bulkhead Mount</b>											
A140	18	•	•	•	•	•	•	•	•	•	•
A142	18	•	•	•	•	•	•	•	•	•	•
A149	18	•	•	•	•	•	•	•	•	•	•
<b>Danforth® Constellation®</b>											
2-5/8" (67mm) Apparent Card Diameter											
<b>Flush Mount</b>											
C401D	19	•	•	•	•	•	•	•	•	•	•
C401DWB	19	•	•	•	•	•	•	•	•	•	•
C402DB	19	•	•	•	•	•	•	•	•	•	•
C401	20	•	•	•	•	•	•	•	•	•	•
C401WB	20	•	•	•	•	•	•	•	•	•	•
C402	20	•	•	•	•	•	•	•	•	•	•
C402B	20	•	•	•	•	•	•	•	•	•	•
C402W	20	•	•	•	•	•	•	•	•	•	•
C561HS	21	•	•	•	•	•	•	•	•	•	•
<b>Binnacle Mount</b>											
C468	21	•	•	•	•	•	•	•	•	•	•

# DANFORTH® Quest™ Series



FOR POWERBOAT  
INSTALLATIONS

Whether your fun takes you on the water or off-road, the Danforth® Quest™ compass will point the way.

Our exclusive NO-SPIN card technology gives you guaranteed accuracy and rock-steady readings in a small, sporty size.

Hi-flux corrector magnets provide the added measure of adjustment often required for automobile, RV, ATV, snowmobile & certain marine installations. 12 VDC red night illumination is standard.

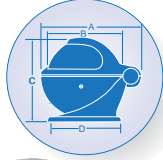
"Easy-Read" 2" (51mm) front-read card

Virtually indestructible Lexan® dome

High temperature, high impact black ABS or guaranteed non-yellowing white Luran® housings

U.V. stabilized compass fluid to prevent yellowing

ISO 613:  
ISO 14227 Certified



## Bracket Mount

The Quest™ Compass' unique bracket design provides the versatility to mount your compass at any angle – on horizontal, vertical and even overhead surfaces. And with the adhesive mounting disk provided, use of screws is optional. (3 screws provided). Flush mounting models are available.

A 3" (76mm)  
B 2" (51mm)  
C 2-3/2" (64mm)  
D 1-3/8" (45mm)

### Model C100

#### Front Read Compass

Apparent card size: 2" (51mm)  
Card degrees: 5°  
Mounting Style: Bracket  
Finish: Black / Black Card

### Model C101

#### Front Read Compass

Apparent card size: 2" (51mm)  
Card degrees: 5°  
Mounting Style: Bracket  
Finish: White / Blue Card

### Model C102

#### Front Read Compass

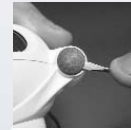
Apparent card size: 2" (51mm)  
Card degrees: 5°  
Bearing lines: 0°  
Finish: Grey / Blue Card

### Model C103

#### Front Read Compass

Apparent card size: 2" (51mm)  
Card degrees: 5°  
Bearing lines: 0°  
Finish: Yellow / Black Card

To reverse bracket for overhead mounting



Remove bracket end caps



Push bracket leg to remove from housing



Turn bracket over



Replace bracket end caps

## Overhead and Bulkhead Mounting Options

For overhead mounting, gently pry out the two bracket end caps, disengage the bracket from the compass body by pulling one leg of the bracket outward. Reverse the bracket and re-assemble.

Models: C100, C101, C102, C103

### Model C104

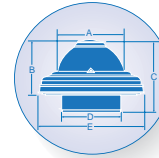
#### Front Read Compass

Apparent card size: 2" (51mm)  
Card degrees: 5°  
Mounting Style: Flush  
Finish: Black / Black Card

## Flush Mount

Compact in size and attractively styled, the flush mount Quest compass offers "Danforth" performance and quality, incorporating many value-added design features. The low profile housing and small footprint design allow installation in confined areas. With the unique adhesive foam sealing gasket, for water tight installations, the Quest flush mount models can be installed securely with or without the use of fastening screws (screws provided). The snap-on housing provides a neat, seamless visual contour, concealing the fastening screws and mounting gasket.

These attractive models are available in traditional black or white with your choice of card colors: black or blue. Designed for the most demanding powerboat applications, the Quest compass features our exclusive NO-SPIN card technology for rock-steady reading at any speed, in all sea conditions.

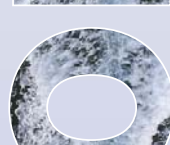


A 2" (51mm)  
B 1.65" (42mm)  
C 2.17" (55mm)  
D 1.79" (45mm)  
E 3.19" (81mm)

### Model C105

#### Front Read Compass

Apparent card size: 2" (51mm)  
Card degrees: 5°  
Mounting Style: Flush  
Finish: White / Blue Card



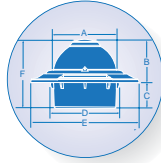


# DANFORTH<sup>®</sup> Skipper™II Series

FOR POWERBOAT  
INSTALLATIONS

Skipper™II compasses have exclusive guaranteed no-spin GlobalBalance® front reading cards with 5° graduations for stable readings at high speeds or in rough weather.

Full 30° card tilt angle. Other features include large illuminated 2-5/8" (67mm) Lexan® dome and high visibility bright yellow or red lubber line. All Skipper™II models have an expansion diaphragm, cross-bar compensating system, and night illumination (No. A4569-50-6R light kit optional on A80 models).



## Flush Mount

An adhesive foam mounting gasket is provided for waterproof installations.

A 2-5/8" (67mm)  
B 1-3/4" (44mm)  
C 1-7/64" (28mm)  
D 2-7/8" (73mm)  
E 4-1/2" (115mm)  
F 2-7/8" (73mm)



Model A92

## Front Read Compass

Apparent card size: 2-5/8" (67mm)  
Card degrees: 5°  
Bearing Lines: 0°  
Finish: Black with hood



Model A92G

## Front Read Compass

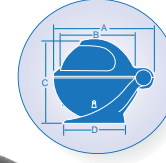
Apparent card size: 2-5/8" (67mm)  
Card degrees: 5°  
Bearing Lines: 0°  
Finish: Grey / Blue card with hood



Model A92W

## Front Read Compass

Apparent card size: 2-5/8" (67mm)  
Card degrees: 5°  
Bearing Lines: 0°  
Finish: White with hood



## Bracket Mount

Installs easily on horizontal to vertical to overhead surfaces. An adhesive foam mounting gasket is provided for mounting with or without screws. Screws are provided.

A 4" (102mm)  
B 2-5/8" (67mm)  
C 3-5/16" (84mm)  
D 2-3/8" (60mm)



Model A91

## Front Read Compass

Apparent card size: 2-5/8" (67mm)  
Card degrees: 5°  
Bearing Lines: 0°  
Finish: Black



Model A91G

## Front Read Compass

Apparent card size: 2-5/8" (67mm)  
Card degrees: 5°  
Bearing Lines: 0°  
Finish: Grey / Blue Card



Model A91W

## Front Read Compass

Apparent card size: 2-5/8" (67mm)  
Card degrees: 5°  
Bearing Lines: 0°  
Finish: White / White card

To reverse bracket for overhead mounting



Remove bracket end caps



Push bracket leg to remove from housing



Turn bracket over

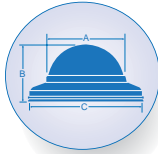


Replace bracket end caps



DANFORTH

FOR POWERBOAT  
INSTALLATIONS



The A121 compass features an exclusive water-tight mounting system for installations on flat or curved surfaces.

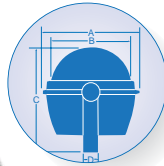
A 4" (102mm) B 2-5/8" (67mm)  
C 3-5/16" (84mm) D 2-3/8" (60mm)



Model A121

Front Read Compass

Apparent card size: 2-5/8" (67mm)  
Card degrees: 5°  
Bearing Lines: 0°  
Finish: Black



Bracket Mount

For easy installation on horizontal and vertical surfaces. Mounts with (2) screws provided.

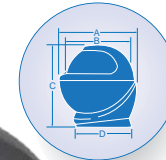
A 3-1/4" (83mm)  
B 2-5/8" (67mm)  
C 3-5/8" (92mm)  
D 1/2" (13mm)



Model A80B

Front Read Compass

Apparent card size: 2-5/8" (67mm)  
Card degrees: 5°  
Bearing Lines: 0°  
Finish: Black / Black card



Surface Mount

The unique adjustable swivel base allows the compass to be mounted on level, canted, or vertical surfaces.

A 4" (102mm)  
B 2-5/8" (67mm)  
C 3-5/16" (84mm)  
D 2-3/8" (60mm)



Model A93B

Front Read Compass

Apparent card size: 2-5/8" (67mm)  
Card degrees: 5°  
Bearing Lines: 0°  
Finish: Black



Model A93G

Front Read Compass

Apparent card size: 2-5/8" (67mm)  
Card degrees: 5°  
Bearing Lines: 0°  
Finish: Grey / Blue Card



Model A93W

Front Read Compass

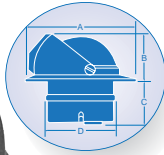
Apparent card size: 2-5/8" (67mm)  
Card degrees: 5°  
Bearing Lines: 0°  
Finish: White / White card



FOR POWERBOAT  
INSTALLATIONS

Cruiser™ compasses  
are available with a  
front-reading, 3-3/8"  
(86mm) apparent  
diameter NO-  
SPIN Global  
Balance card  
or a front or  
flat reading  
card.

Designed for  
cruising class  
boats in the 18  
to 30 foot  
range, all  
Cruiser™  
compasses  
have crystal  
clear spherical  
domes, cross-  
bar compensa-  
tors, and red  
night illu-  
mination.



**Flush Mount**  
Small footprint flange  
for mounting in  
confined areas.

A 4-7/8" (124mm)  
B 2" (51mm)  
C 2" (51mm)  
D 3-1/4" (83mm)

**Model A154**

**Front Read Compass**

Apparent card size: 3-3/8" (86mm)  
Card degrees: 5°  
Bearing Lines: 0°/45°  
Finish: Black / Black Card



**Model C351B**

**Front Read Compass**

Apparent card size: 3-3/8" (86mm)  
Card degrees: 5°  
Bearing Lines: 0°/45°  
Finish: Black / Blue Card



**Model A154W**

**Front Read Compass**

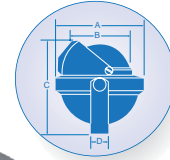
Apparent card size: 3-3/8" (86mm)  
Card degrees: 5°  
Bearing Lines: 0°/45°  
Finish: White / Black Card



**Model A154WB**

**Front Read Compass**

Apparent card size: 3-3/8" (86mm)  
Card degrees: 5°  
Bearing Lines: 0°/45°  
Finish: White / Blue Card



**Bracket Mount**

Heavy-duty  
aluminum  
bracket  
mounts easily  
with (2)  
screws  
provided.

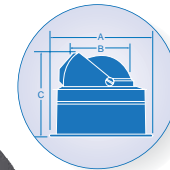
A 5-1/16" (129mm)  
B 3-3/8" (86mm)  
C 5-1/4" (133mm)  
D 1" (25mm)



**Model A150**

**Flat Read Compass**

Apparent card size: 3-3/8" (86mm)  
Card degrees: 5°  
Bearing Lines: 0°/45°  
Finish: Black



**Binnacle  
Mount**

Mounts easily to a  
console with (4) screws  
provided.

A 5-1/16" (151mm)  
B 3-3/8" (86mm)  
C 4-7/8" (124mm)



**Model A152**

**Front Read Compass**

Apparent card size: 3-3/8" (86mm)  
Card degrees: 5°  
Bearing Lines: 0°/45°  
Finish: Black



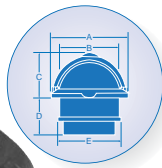
DANFORTH BOAT





Corsair® IV compasses offer you a choice of traditional flat card or exclusive NO-SPIN GlobalBalance® front-read and dual-read card models.

Available in flush, binnacle or bracket mounting styles, for power or sail, these attractive 3-3/4" (95mm) compasses sport a unique telescoping hood which protects the compass when not in use. Corsair® IV compasses are available in Hi-Speed® powerboat models for planing hulls and are fully gimbaled for sailboat installations. Navy red L.E.D. night illumination and built-in compensators are standard.



**Flush Mount**

C399 models feature extra large numbers for clear viewing. C399D models feature traditional top viewing and edge reading for low angle viewing.

- A 5" (127mm)
- B 3-3/4" (95mm)
- C 3" (76mm)
- D 2-1/4" (57mm)
- E 3-3/4" (95mm)



**Model C399D-3**

**Dual Read Compass**

Apparent card size: 3-3/4" (95mm)  
 Card degrees: 5°  
 Bearing Lines: 0°/45°/180°  
 Finish: Black / Black Card



**Model C399D-3W**

**Dual Read Compass**

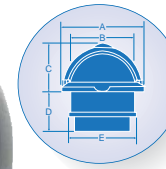
Apparent card size: 3-3/4" (95mm)  
 Card degrees: 5°  
 Bearing Lines: 0°/45°/180°  
 Finish: White / Black card (C399DW)



**Model C399D-3WB**

**Dual Read Compass**

Apparent card size: 3-3/4" (95mm)  
 Card degrees: 5°  
 Bearing Lines: 0°/45°/180°  
 Finish: White / Black card (C399DW)



**Flush Mount**

C399F models feature exclusive NO-SPIN card for stable readings, even in the toughest conditions.

- A 5" (127mm)
- B 3-3/4" (95mm)
- C 3" (76mm)
- D 2-1/4" (57mm)
- E 3-3/4" (95mm)



**Model C399F-3**

**Front Read Compass**

Apparent card size: 3-3/4" (95mm)  
 Card degrees: 5°  
 Bearing Lines: 0°/45°  
 Finish: Black / Black Card



**Model C399F-3W**

**Front Read Compass**

Apparent card size: 3-3/4" (95mm)  
 Card degrees: 5°  
 Bearing Lines: 0°/45°  
 Finish: White / White Card



**Model C399-3**

**Flat Card Compass**

Apparent card size: 3-3/4" (95mm)  
 Card degrees: 5°  
 Bearing Lines: 0°/45°/180°  
 Finish: Black / Black Card



**Model C399-3W**

**Flat Card Compass**

Apparent card size: 3-3/4" (95mm)  
 Card degrees: 5°  
 Bearing Lines: 0°/45°/180°  
 Finish: White / White card

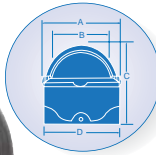


DANFORTH

# DANFORTH® Corsair® IV Series



POWER OR SAILBOATS



**Binnacle Mount**  
Installs easily to console or pedestal.

A 5-5/8" (143mm)  
B 3-3/4" (95mm)  
C 6" (152mm)  
D 5-7/8" (150mm)

**Model C352-3**  
Flat Card Compass

Apparent card size: 3-3/4" (95mm)  
Card degrees: 5°  
Bearing Lines: 0°/45°/180°  
Finish: Black

**Model C352-3W**  
Flat Card Compass

Apparent card size: 3-3/4" (95mm)  
Card degrees: 5°  
Bearing Lines: 0°/45°/180°  
Finish: White

**Model C352F-3**  
Front Reading Compass

Apparent card size: 3-3/4" (95mm)  
Card degrees: 5°  
Bearing Lines: 0°/45°  
Finish: Black

**Model C398F-3**  
Front Read Compass

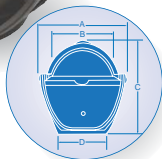
Apparent card size: 3-3/4" (95mm)  
Card degrees: 5°  
Bearing Lines: 0°/45°  
Finish: Black

**Model C398-3**  
Flat Card Compass

Apparent card size: 3-3/4" (95mm)  
Card degrees: 5°  
Bearing Lines: 0°/45°/180°  
Finish: Black

**Bracket Mount**  
Bracket adjusts for mounting on horizontal to vertical surfaces.

A 6" (152mm)  
B 3-3/4" (95mm)  
C 6" (152mm)  
D 3" (76mm)



## Technical Info

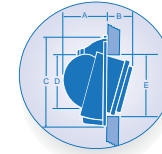
All Corsair models feature a telescoping, full closure hood.



# DANFORTH® Saturn® Series



POWER OR SAILBOATS



**Dual Reading**  
Our A140 dual read compass is gimballed for stable readings at any angle of heel.

A 2-3/4" (70mm) B 2-5/16" (59mm)  
C 5-5/8" (143mm) D 3-3/4" (95mm)  
E 4" (102mm)

## "The Value Choice"

The compact 3-3/4" (95mm) saturn compasses are available with our exclusive NO-SPIN GlobalBalance® front reading card or flat card. All Saturn® compasses feature an adjustable hood, compensators, and night illumination.

Saturn® Bulkhead mount compasses feature an exclusive retractable light bar and 30° inclinometer. Saturn® compasses are the perfect choice for sailboat installation. Front cover included.



**Model A140**  
Dual Read Compass

Apparent card size: 3-3/4" (95mm)  
Card degrees: 5°  
Bearing Lines: 0°/45°/180°  
Finish: Black/Red Card

**Model A142**  
Flat Card Compass

Apparent card size: 3-3/4" (95mm)  
Card degrees: 5°  
Bearing Lines: 0°/45°/180°  
Finish: Black / Black Card

**Model A149**  
Front Read Compass

Apparent card size: 3-3/4" (95mm)  
Card degrees: 5°  
Bearing Lines: 0°/45°  
Finish: Black / Black Card

## Bulkhead Mount

A140 Dual Reading Cards can be mounted on vertical surfaces and surfaces canted up to 15° forward.

An 142-24 Cover is included with all new-style A140 models.

**Model 124-24**  
Front Cover



Bulkhead mount front cover – Included with new-style compass  
Fits new style models A140, A141, A142, A149

**Model A145**  
Back Cover



Bulkhead mount back cover – Fits all models



Except Model A140





# DANFORTH® Constellation® Family Series

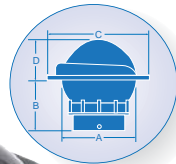


Constellation® compasses have earned the title of The World's Most Trusted® Compasses.

They are used worldwide for larger pleasure boats, ocean racing powerboats and sailboats, commercial vessels, fishing fleets and by the U.S. Navy and Coast Guard.

The Constellation® compass features an internal gimbal ring that allows full tilt and heel, a virtually indestructible jewel and hardened alloy pivot and a unique concave distant reading card that lets you read it from longer distances and at lower angles of sight. Dual reading cards are also available on 4-1/2" (114mm) models.

Available in flush and binnacle mounting styles, for power or sail, these prestigious compasses provide uncompromising quality and performance for the most discerning yachtsmen.



## Flush Mount Dual Read Card

For flush mounting  
on horizontal surfaces.

A 4-1/2" (114mm)  
B 3-3/8" (86mm)  
C 6-1/4" (159mm)  
D 2" (51mm)

### Model C401D

#### Dual Read Compass

Apparent card size: 4-1/2" (114mm)  
Card degrees: 5°  
Bearing Lines: 0°/45°/180°  
Finish: Black / Black Card

### Model C401DWB

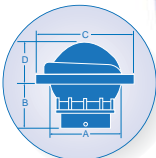
#### Dual Read Compass

Apparent card size: 4-1/2" (114mm)  
Card degrees: 5°  
Bearing Lines: 0°/45°/180°  
Finish: White / Blue Card

### Model C402DB

#### Dual Read Compass

Apparent card size: 4-1/2" (114mm)  
Card degrees: 5°  
Bearing Lines: 0°/45°/180°  
Finish: Black / Blue Card

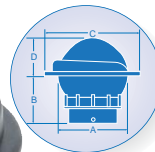


The new model C402DB features a fully gimballed dual-reading card system ideal for raised console mounting with eye-level viewing.

Our new navy red "tri-light" provides superb night illumination for top or front reading.

A 4-1/2" (114mm) B 3-1/2" (77mm)  
C 6-1/4" (159mm) D 2-1/2" (64mm)

A hard plastic cover is included with all C402 models.



## Flush Mount Flat Card

C401 flat card compasses can be mounted on any horizontal surface.

A 4-1/2" (114mm)  
B 3-3/8" (86mm)  
C 6-1/4" (159mm)  
D 2" (51mm)

### Model C401

#### Flat Card Compass

Apparent card size: 4-1/2" (114mm)  
Card degrees: 5°  
Bearing Lines: 0°/45°/180°  
Finish: Black / Blue card

### Model C401WB

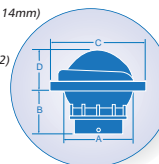
#### Flat Card Compass

Apparent card size: 4-1/2" (114mm)  
Card degrees: 5°  
Bearing Lines: 0°/45°/180°  
Finish: White / Blue card

### Model C402

#### Flat Card Compass

Apparent card size: 4-1/2" (114mm)  
Card degrees: 5°  
Bearing Lines: 0°/45°/180°  
Finish: Black / Black card (C402)



#### C402 Series

A 4-1/2" (114mm)  
B 3-1/2" (77mm)  
C 6-1/4" (159mm)  
D 2-1/2" (64mm)

### Model C402B

#### Flat Card Compass

Apparent card size: 4-1/2" (114mm)  
Card degrees: 5°  
Bearing Lines: 0°/45°/180°  
Finish: Black / Blue card

### Model C402W

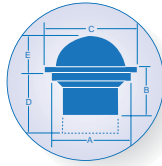
#### Flat Card Compass

Apparent card size: 4-1/2" (114mm)  
Card degrees: 5°  
Bearing Lines: 0°/45°/180°  
Finish: White / White card

A hard plastic cover is included with all C402 models.







5-1/2" (140mm)  
A 6-1/2" (165mm)  
B 4" (102mm)  
C 7-1/2" (191mm)  
D 4-1/4" (114mm)  
E 3-1/2" (89mm)



**Model C561HS**

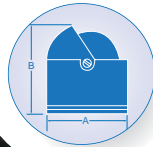
**Flat Card Compass**

Apparent card size: 5-1/2" (140mm)  
Card degrees: 5°  
Bearing Lines: 0°/45°/180°  
Finish: Black / Black card

**Express® Binnacle  
Removeable  
Compass**

One of our most popular Constellation® compasses. This removable model is very versatile. With a snap of a spring lock, the compass can be easily removed from its base for stowage below deck, mounting elsewhere or for use as a portable hand bearing compass. Easily mounted on sailboat pedestal steerers or powerboat bridges.

A 6-15/16" (176mm)  
B 7-3/8" (187mm)



**Model C468**

**Flat Card Compasses**

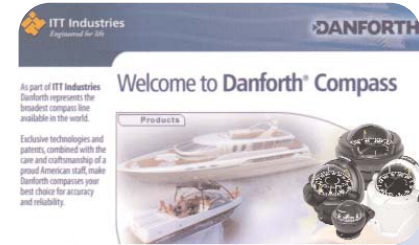
Apparent card size: 5" (127mm)  
Card degrees: 5°  
Bearing Lines: 0°/45°/180°  
Finish: Black / Black card



**Discover Danforth on the World Wide Web**

**The Danforth  
Worldwide Web Site:**

Find comprehensive details on all our products including their technical specifications, plus links to our sister companies, Rule, Jabsco and Flojet. The site gives you 24 hour access to all the information you need, faster, cheaper and at a time that suits you.



**Comprehensive Details:**

- Comprehensive Search facility to speed up location of the required product.
- Get full technical data by clicking through the links for each category and product area.
- Many exploded diagrams are available to assist in identifying parts.
- Allows your customers the option to view data at the same time, helping to correctly identify the required item.
- All technical data sheets in PDF format for downloading.

**New Features:**

- Our web site is constantly updated to provide "up to the minute" detailed information. Recent new features include:
- 'Direct Accounts Members Area', where for example you can check your order status.
  - The full trade catalogue now available in a downloadable PDF format so you can choose the relevant pages for distribution to your customers.
  - Improved and more detailed technical data also available in PDF format.



**DANFORTH® QUEST™ COMPASS**



Designed primarily for marine applications, the new Quest compass incorporates unique features which make it the perfect choice for non-marine installations as well.

