

MADE IN THE U.S.A.

BROWNELL
BOAT STANDS & EQUIPMENT



User Manual



User manual for sailboats and other vessels with a keel construction

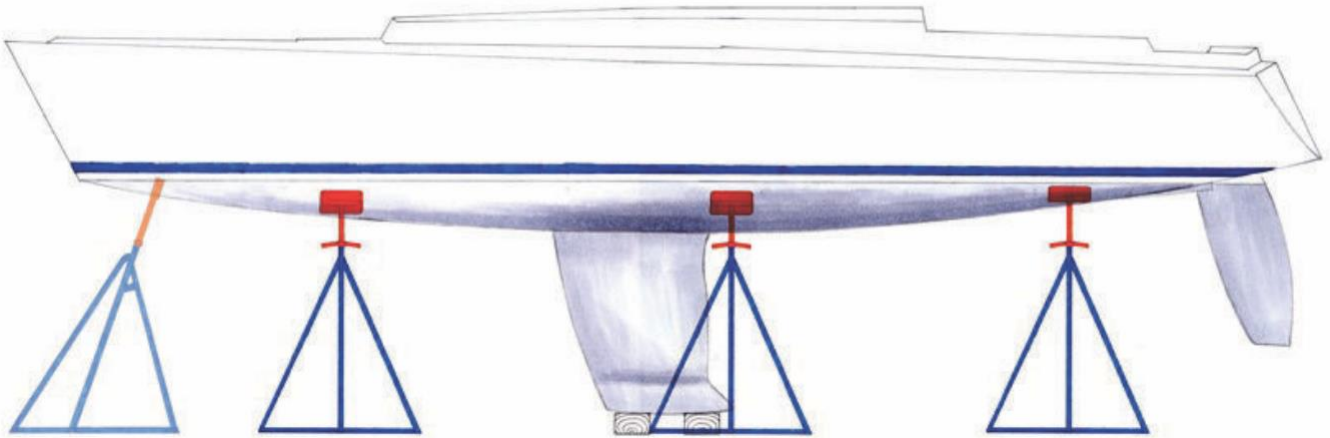


Fig 1

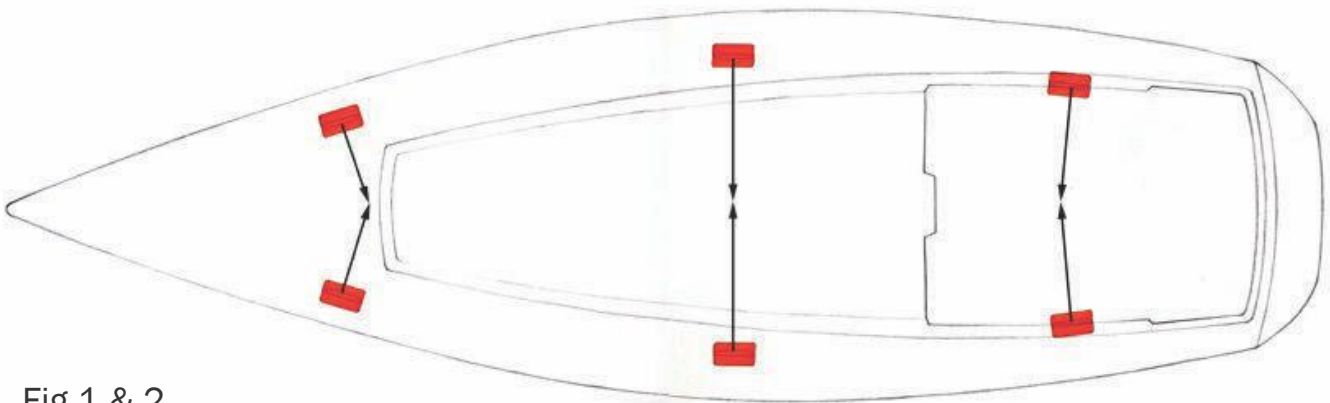


Fig 2

Fig 1 & 2

- We recommend using 5 or more stands
- Place the stands an even distance from each other along the boat.
- If the boat has the rigging on, add one extra set of Stands to make sure the boat is safe in heavy winds.
- Use a large size wooden keel support (block) or keel stands below the front and back of the keel to make sure the base is stable for the boat.
- If the ground is loose where the Stands are placed, we recommend using a small piece of plywood below each leg to prevent the leg from sinking down in the ground.
- Turn the Stand until it points against the boat's center line (fig. 2).

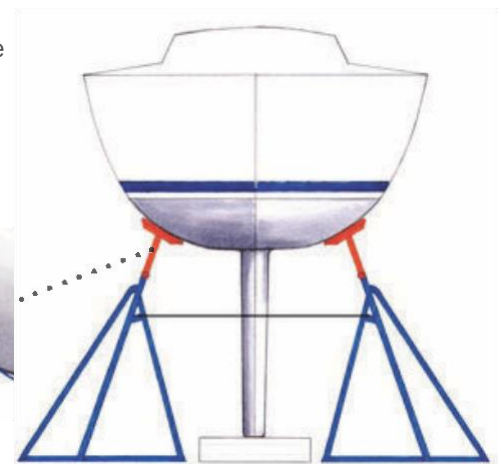


Fig 3

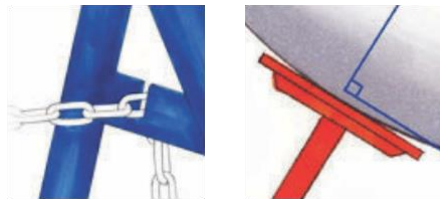


Fig 3 & 4

- Place the Stand with the adjustment screw in straight 90° angle to the hull.
- Put the required security chain in the small groove, and tighten up by gently pulling the stand backwards.
- If one pair of stands are placed facing the keel or if the boat has a longer keel, pull the security chain below the keel and up on the other side.
- For added stability at the bow use a stand with a V-top.

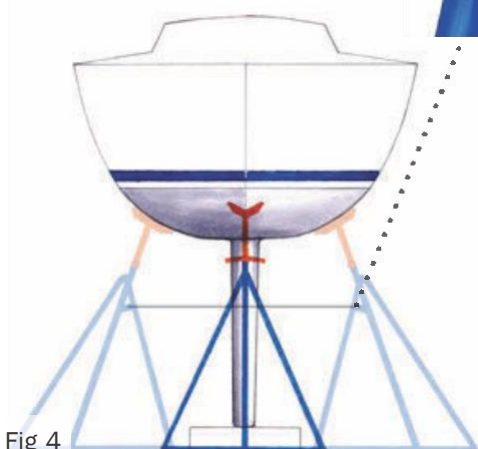


Fig 4

Note! Never tie your cover on the stand since it might pull them away in heavy wind.

User manual for power boats

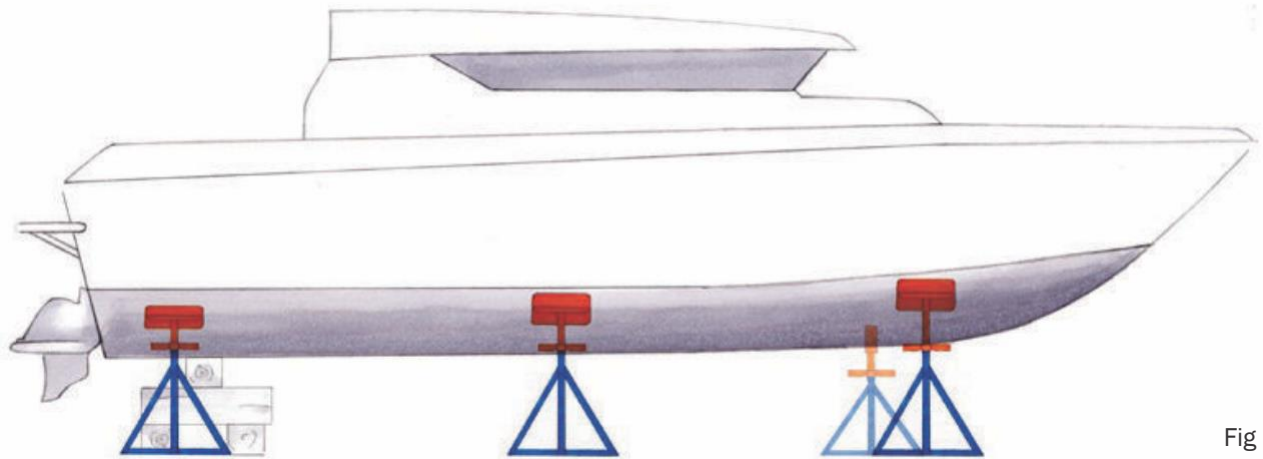


Fig 1

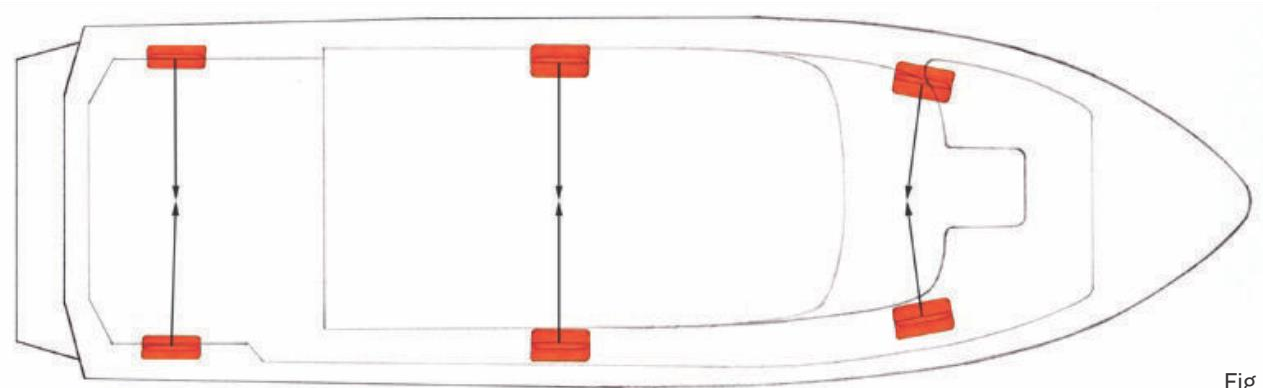


Fig 2

Fig 1 & 2

- We recommend using 4 or more stands.
- Always use 2 or more wooden blocks or keel stands for support below the boat's center-line.
- Place the stern wooden block or keel stand below where the engine is to make sure it has good support and to avoid pressure on the hull.
- Use a Brownell keel stand or strong wood blocks.

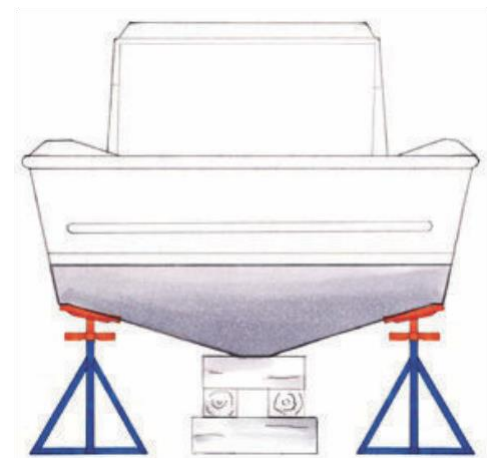


Fig 3

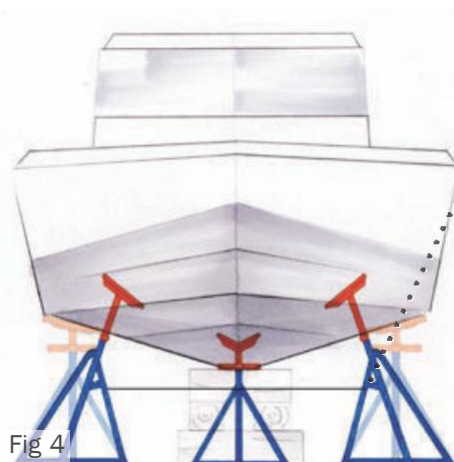


Fig 4

Fig 3 & 4

- Place the stands as wide as possible for best stability.
- For power boats with a deep V bow construction, it is recommended to use Brownell sail boat stands (SB) at the bow. Chain must be used.
- Put the security chain in the small groove, and tighten up by gently pulling the stand backwards.

Note! Do not tie your cover on the stand since it might pull them away in heavy wind, tie the cover independent.

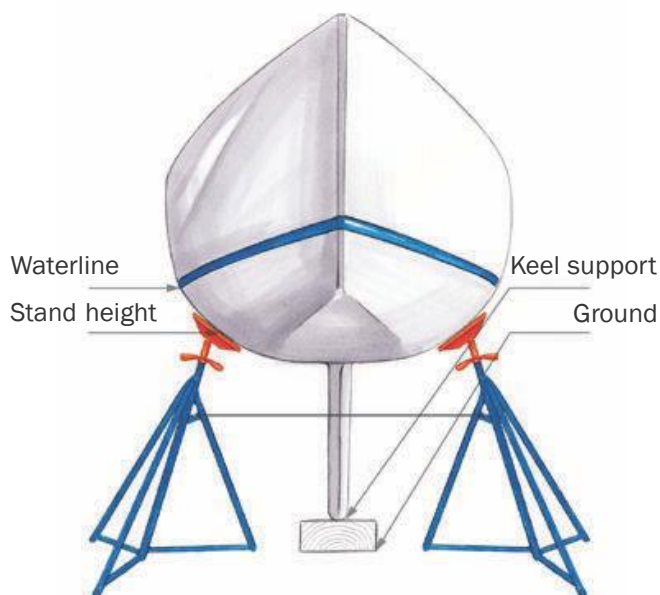
Number & Size

How to choose Brownell Boat Stands for my Sailboat? Use always 5 stands or more. We have based the recommended number of stands on the length of the boat. For sailboats with the rigging in, we recommend one extra pair of stands. If the boat is heavy in the bow or stern, we recommend using one extra stand for support to make sure the hull has less pressure. There is also a V-top model which fits the bow well.

**Make sure you have read and understand The Brownell Boat Stands installation manual before use.

Recommendations

<30 feet	5 Stands
30-40 feet	7-9 Stands
40-55 feet	9-11 Stands
>55 feet	13 or more Stands



There are 8 different sizes of sailboat stands with up to 13 foot draft. By adding the draft with the height of keel support and subtract 6 inches you should have a number that would be recommended. Always try to have as much variation on both sides of the value as possible since it will give a better flexibility depending on ground and keel support.

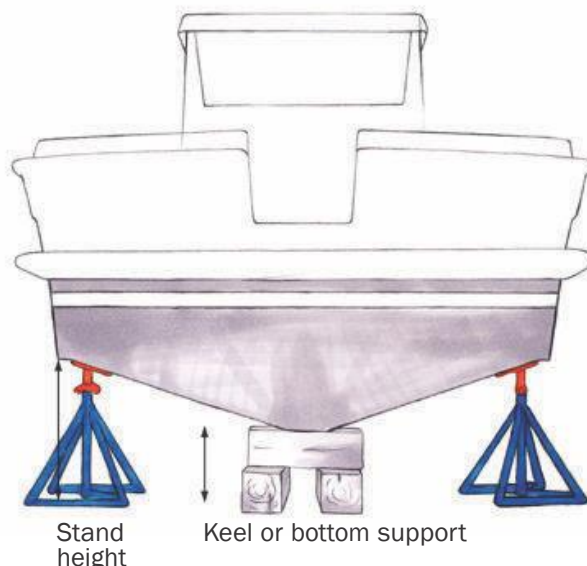
SB 10.5	123" - 140"
SB 9	108" - 125"
SB 8	95" - 101"
SB 0	79" - 96"
SB 1	64" - 79"
SB 2	48" - 65"
SB 3	35" - 52"
SB 4	24" - 36"

How to choose Brownell Boat Stands for my Power boat? Power boats should always have 2 or more wooden blocks or keel stands placed below the boat. The stern block or stand should be placed below the engine since this is the part with most weight. We recommend all power boats use 4 stands or more.

Make sure you have read and understand the Brownell Boat Stands installation manual before use.

Recommendations

<30 feet	4 Stands
30-45 feet	6-8 Stands
45-60 feet	8-12 Stands
>60 feet	12 or more Stands



There are 7 different sizes of stands for power boats with a height up to 7 feet. The most important value for calculation is the height from ground to the angle where the hull changes from vertical (side) to more horizontal (bottom). If you add this value with the wooden block support height, you will have a close number for the height of the stand. Always try to have as much variation on both sides of the value as possible since it will give a better flexibility depending on ground and keel support height. Power boats with sharp V bow construction should use the Brownell Sail Boat stand since it will give an advantage. The most common type of combination is the SB in the bow and MB in the stern.

MB OXX	67" - 84"
MB OX	54" - 72"
MB 0	41" - 58"
MB 1	33" - 50"
MB 2	29" - 46"
MB 3	25" - 38"
MB 4	18" - 25"

DO'S & DON'TS

The following list of actions you should and should not take while using your BROWNELL BOAT STAND SYSTEM. This list will help ensure that safety is never compromised. This list should not be construed as universal to all users of boat stands, due to the infinite variables in application. Rather, it should be used in addition to safety precautions already taken.

Please realize the boat stands are to stabilize *the boat and the keel blocking supports the boat's weight.*

DO:

- Use blocking or keel stands along centerline of boat to rest weight on; always check blocks for rotting or splitting
- Use safety chains on all side sailboat stands, chaining pairs together from port to starboard
- Use pairs of boat stands, one placed to port and one to starboard
- Use a minimum of four stands for powerboat storage and 5 boat stands for sailboat storage plus an additional set every 8-10 feet for longer vessels
- Use a v-stand under the bow of all fin keel or bow-heavy sailboats
- Use a v-stand under stern of fin keel or stern-heavy sailboats
- Use boat stands on firm, stable ground or place plywood under stands if ground is soft
- In windy areas, remove masts when boats are on stands; if mast must be left in, use additional stands
- Replace any damaged or badly rusted stands
- Keep screws greased regularly
- If a stand must be removed from under a boat, place another stand beside it first for support
- If boats are left on stands for long periods of time, they should be frequently checked for safety and security

Do not:

- Allow anyone other than qualified, experienced, or authorized persons to move or adjust boat stands when in use
- Use boat stands to suspend a boat in mid-air
- Allow anything (such as canvas) to be tied to boat stands
- Weld or modify boat stands or tops
- Use boat stands to perform jobs for which they are not intended
- Place blocks on top of boat stands or underneath legs of boat stands to increase their reach