

STAR CONSTRUCTION — BULB FABRICATION

THE OFFICIAL BULB SPECIFICATIONS READ AS FOLLOWS:

- 1) Ballast bulbs may be removable. (But not during a race series.)**
- 2) Mechanically movable bulbs are prohibited.**
- 3) Bulb may be made of any readily available material such as poured lead, solidified lead shot, etc.**
- 4) Actual shape is left to the builder's discretion.**
- 5) Overall length must not exceed 9 ¾".**

THEORY: The entire boat, ready to sail, must weigh at least **12** pounds. It is desirable to have as much of the **12** pounds in the bulb as possible. (Typically 6 to 8 pounds.)

TWO FABRICATION METHODS ARE USED:

Method #1

- 1) Bulb is cast in two halves.**
- 2) The halves are bolted thru at the bottom of the keel.**
- 3) The bolt head and nut are sunk below the surface and filled with bondo.**
- 4) The separation between the two halves caused by the thickness of the keel is also filled with bondo.**
- 5) The entire bulb assembly is sanded smooth and covered with a thin layer of J-B WELD which is also polished smooth. The J-B WELD provides a hard surface that will resist nicks, etc.**

Method #2

- 1) Bulb is cast as one piece with a slot that will accept the keel.**
- 2) Bulb is bolted thru the keel as described above.**
- 3) Any voids are filled with bondo.**
- 4) Bulb is finished as described above.**