

J-105 CLASS SHOAL KEEL OFFSETS
 DIMENSIONS IN MM
 14-May-02

J-BOATS, INC
 NEWPORT, RI 02840

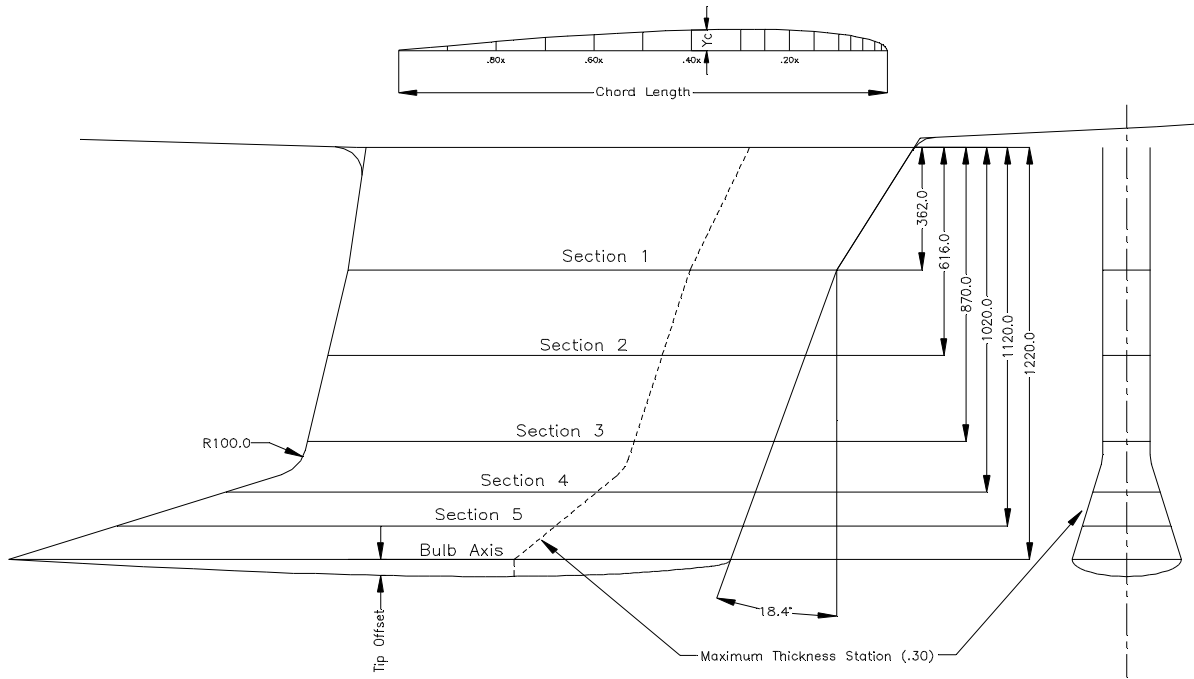
| Sections | Top of Lead | | | | | Bulb Axis |
|----------------------|-------------|------|------|------|------|-----------|
| | 1 | 2 | 3 | 4 | 5 | |
| Maximum Chord Length | 1320 | 1290 | 1260 | 1430 | 1690 | 1950 |
| Location Below Hull | 362 | 616 | 870 | 1020 | 1120 | 1220 |
| Leading Edge Radius | 13.7 | 14.0 | 14.3 | 25.5 | 36.9 | 48.8 |

| Xc Station | Minimum Section Half Widths (Yc) | | | | | | Vertical Tip Offset Below Bulb Axis |
|------------|----------------------------------|------|------|------|-------|-----------|-------------------------------------|
| | 1 | 2 | 3 | 4 | 5 | Bulb Axis | |
| .0125 | 20.1 | 20.1 | 20.1 | 28.8 | 37.6 | 46.4 | 24.0 |
| .025 | 27.9 | 27.9 | 27.9 | 39.6 | 51.8 | 64.0 | 31.5 |
| .05 | 37.9 | 37.9 | 37.9 | 53.9 | 70.5 | 87.1 | 39.6 |
| .075 | 44.8 | 44.8 | 44.8 | 63.7 | 83.3 | 102.9 | 44.8 |
| .10 | 49.9 | 49.9 | 49.9 | 71.1 | 92.9 | 114.7 | 47.8 |
| .15 | 57.0 | 57.0 | 57.0 | 81.0 | 106.0 | 131.0 | 50.0 |
| .20 | 61.2 | 61.2 | 61.2 | 87.0 | 113.8 | 140.6 | 50.0 |
| .25 | 63.4 | 63.4 | 63.4 | 90.1 | 117.9 | 145.7 | 50.0 |
| .30 | 64.0 | 64.0 | 64.0 | 91.0 | 119.0 | 147.0 | 50.0 |
| .40 | 61.9 | 61.9 | 61.9 | 88.1 | 115.1 | 142.1 | 48.4 |
| .50 | 56.5 | 56.5 | 56.5 | 80.2 | 105.0 | 129.8 | 44.1 |
| .60 | 48.6 | 48.6 | 48.6 | 69.3 | 90.5 | 111.7 | 38.0 |
| .70 | 39.1 | 39.1 | 39.1 | 55.5 | 72.7 | 89.9 | 30.5 |
| .80 | 27.9 | 27.9 | 27.9 | 39.8 | 52.0 | 64.2 | 21.9 |
| .90 | 14.7 | 14.7 | 14.7 | 20.7 | 26.8 | 32.9 | 12.0 |
| 1.00 | 2.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.0 |

NOTES:

1. Leading edge is straight from Section 1 to Bulb Axis.
2. Leading edge sweep-back angle is 18.4 degrees from Section 1 to Bulb Axis.
3. To locate sections, measure vertically down from the intersection of the hull and trailing edge of the keel. Sections 1-3 are located on a plane at 77.8 degrees from trailing edge angle.
4. All sections are parallel.
5. Above offsets define keel shape below molded hull keel sump.
6. The Keel Bulb is elliptical in shape below the Bulb Axis at each Station. The horizontal semi-axis is equal to the half width of the Bulb Axis and the vertical semi-axis is equal to the Vertical Tip Offset below the Bulb Axis at that Station.

J/105 Shoal Keel Profile



Bulb Detail

