

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

J-BOATS, INC
 NEWPORT, RI 02840

Sections	Top of Lead A	B	C	D	Bulb Axis
Maximum Chord Length	1320	1205	1090	975	1295
Location Below Hull	362	622	882	1142	1528
Leading Edge Radius	13.7	16.5	18.5	25.2	60.2

Xc Station Minimum Section Half Widths (Yc)

.0125
 .025
 .05
 .075
 .10
 .15
 .20
 .25
 .30
 .40
 .50
 .60
 .70
 .80
 .90
 1.00

20.1	21.2	22.3	23.4	***
27.9	29.3	30.7	32.2	***
37.9	39.8	41.8	43.8	77.0
44.8	47.1	49.4	51.7	***
49.9	52.5	55.1	57.7	101.4
57.0	60.0	62.9	65.9	***
61.2	64.4	67.5	70.7	124.3
63.4	66.7	69.9	73.2	***
64.0	67.3	70.6	73.9	130.0
61.9	65.1	68.3	71.5	125.8
56.5	59.7	62.8	66.0	114.7
48.6	51.1	53.6	56.1	98.9
39.1	41.1	43.1	45.1	79.3
27.9	29.3	30.8	32.3	56.8
14.7	15.5	16.3	17.1	31.4
2.5	1.6	1.6	1.6	2.0

Vertical Tip Offset Below Axis

40.9

50.5

50.8

51.5
50.8
50.6
48.7
44.0
35.2
21.1
2.0

NOTES:

1. Leading and trailing edges are straight.
2. Leading edge sweep-back angle is 30.0 degrees.
3. To locate sections, measure vertically down from the intersection of the hull and trailing edge of the keel. Sections are located on a plane at 82 degrees from trailing edge angle.
4. All sections are parallel.
5. Above offsets define keel shape below molded keel sump.
6. The Keel Bulb is circular in shape above the Bulb Axis at each Station. The radius is equal to the half width of the Bulb Axis at that Station.
7. 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.

J105 Deep Keel

