

J-105 CLASS RUDDER OFFSETS
 DIMENSIONS IN MM
 14-May-02

J-BOATS, INC
 NEWPORT, RI 02840

Section	Above Top of Rudder					TIP
	1	2	3	4	5	6
Maximum Chord Length	730	700	640	550	430	300
Location Below #1	0	280	560	840	1120	1400
Leading Edge Radius	13.5	11.9	10.3	8.7	7.1	5.5

Xc Station	Minimum Section Half Widths (Yc)					
.0125	15.0	13.2	11.4	9.6	7.8	6.0
.025	20.5	18.1	15.7	13.3	10.9	8.5
.05	28.1	24.8	21.5	18.2	14.9	11.6
.075	33.2	29.3	25.4	21.5	17.6	13.7
.10	37.2	32.8	28.4	24.0	19.6	15.2
.15	42.3	37.3	32.3	27.3	22.3	17.3
.20	45.6	40.2	34.8	29.4	24.0	18.6
.25	47.3	41.7	36.1	30.5	24.9	19.3
.30	47.5	41.9	36.3	30.7	25.1	19.5
.40	45.9	40.5	35.1	29.7	24.3	18.9
.50	41.7	36.8	31.9	27.0	22.1	17.2
.60	35.8	31.6	27.4	23.2	19.0	14.8
.70	28.9	25.5	22.1	18.7	15.3	11.9
.80	20.5	18.1	15.7	13.3	10.9	8.5
.90	11.2	9.9	8.6	7.3	6.0	4.7
1.00	1.5	1.5	1.5	1.5	1.5	1.5

Notes:

1. Section 1 is located at a height intersecting the top of trailing edge. Thus Section 1 is a projected section above the rudder. (see drawing)
2. Leading edge is straight with sweep-back angle of 16.7 degrees.
3. All Sections are located on a plane at 106.7 degrees from the leading edge angle.
4. To locate sections, measure vertically down from top of trailing edge of rudder.
5. All sections are parallel to bottom of rudder.

J/105 Rudder Profile

