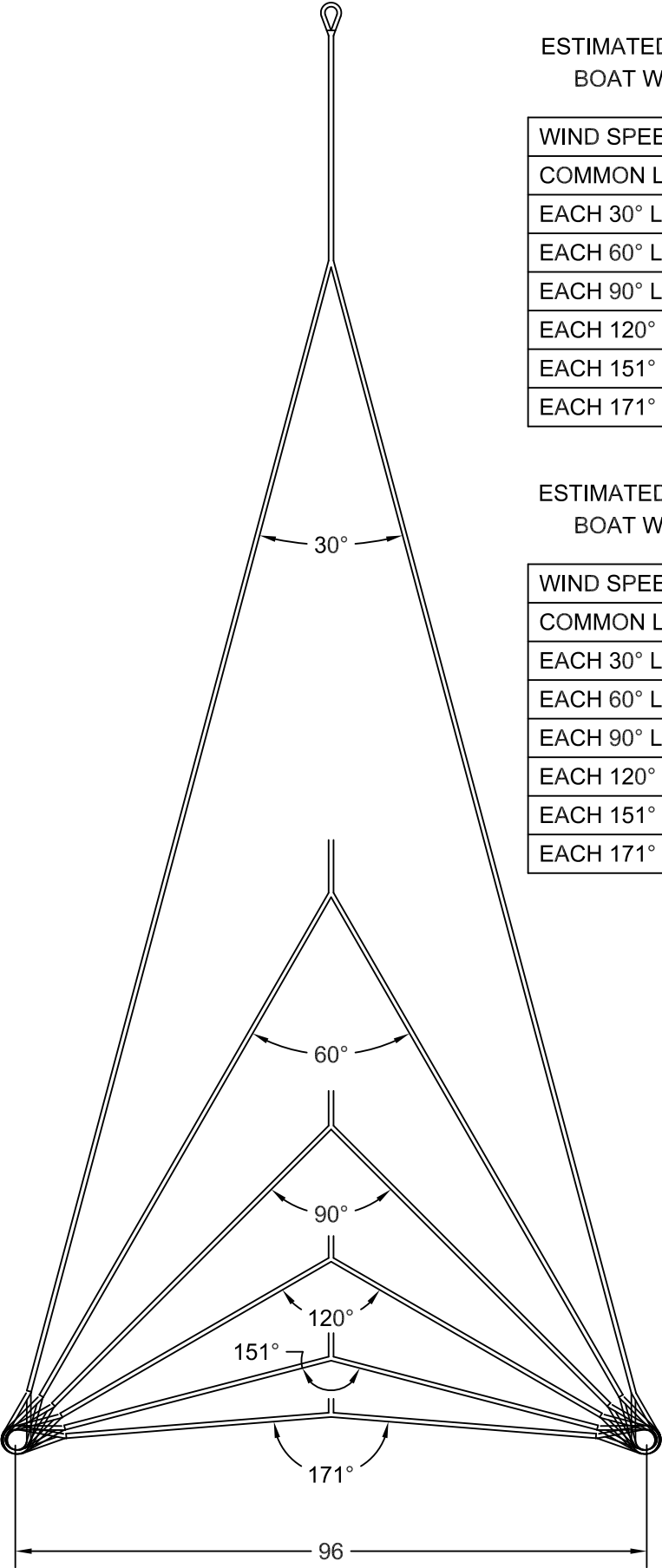


MOORING PENDANT LOAD CONSIDERATIONS

THE LOAD ON THE TWIN LEGS OF BRIDLE STYLE MOORING PENDANTS RISE AS THE ANGLE BETWEEN THEM INCREASES
BRIDLES WITH LARGE ANGLES ARE BEST SERVED BY INDEPENDENT LINES WITH INDIVIDUAL SHACKLES
BRIDLES WITH LARGE ANGLES GENERATE TREMENDOUS FORCE PULLING FASTENING POINTS TOGETHER
USE LONGEST LEGGED BRIDLE FOR BEST RESULTS. BE VERY CAREFUL SELECTING HARDWARE
ALLOW FOR ADDITIONAL LOADS GENERATED BY WAVES AND WAKES AND AGING OF ALL COMPONENTS
THIS DRAWING IS INTENDED SOLELY TO ILLUSTRATE THE EFFECTS OF VARIOUS PARAMETERS ON A MOORING BRIDLE



ESTIMATED LOADS FOR LOW AERO DRAG PONTOON
BOAT WITH 25.5 SQUARE FEET FRONTAL AREA

WIND SPEED IN KNOTS	15	30	42	60
COMMON LEG LOAD IN LBS	52	207	405	826
EACH 30° LEG LOAD IN LBS	27	108	211	430
EACH 60° LEG LOAD IN LBS	31	122	238	485
EACH 90° LEG LOAD IN LBS	36	145	284	578
EACH 120° LEG LOAD IN LBS	52	207	405	826
EACH 151° LEG LOAD IN LBS	104	414	810	1652
EACH 171° LEG LOAD IN LBS	312	1242	2430	4956

ESTIMATED LOADS FOR HIGH AERO DRAG PONTOON
BOAT WITH 25.5 SQUARE FEET FRONTAL AREA

WIND SPEED IN KNOTS	15	30	42	60
COMMON LEG LOAD IN LBS	116	464	910	1859
EACH 30° LEG LOAD IN LBS	60	241	473	967
EACH 60° LEG LOAD IN LBS	67	269	528	1078
EACH 90° LEG LOAD IN LBS	81	325	637	1301
EACH 120° LEG LOAD IN LBS	116	464	910	1859
EACH 151° LEG LOAD IN LBS	232	928	1820	3718
EACH 171° LEG LOAD IN LBS	696	2784	5460	11154

30° LEG LENGTH IN INCHES	185.5
60° LEG LENGTH IN INCHES	95.9
90° LEG LENGTH IN INCHES	67.5
120° LEG LENGTH IN INCHES	55.4
151° LEG LENGTH IN INCHES	49.5
171° LEG LENGTH IN INCHES	48.4