

RECOMMENDED MINIMUM STANDARDS FOR SINGLE POINT MOORINGS IN DARIEN'S WATERS

(1) MINIMUM WEIGHT FOR PYRAMID-TYPE ANCHORS: PYRAMID-TYPE ANCHORS IN SOUND CONDITION ARE TO BE USED FOR ANY MOORING IN THE WATERS OR HARBORS OF DARIEN. THE MINIMUM WEIGHT OF THESE ANCHORS SHALL BE DETERMINED BY THE SIZE AND TYPE OF BOAT AS FOLLOWS:

OPEN POWER BOATS

UNDER 15 FEET	-	200 LBS
15 TO 18 FEET	-	200 LBS
18 TO 20 FEET	-	250 LBS
OVER 20 FEET	-	300 LBS
OVER 28 FEET	-	400 LBS

SAIL BOATS (INCLUDING CRUISING SAILBOATS & CLOSED POWER BOATS)

UNDER 25 FEET	-	200 LBS
15 TO 20 FEET	-	250 LBS
20 TO 26 FEET	-	350 LBS
26 TO 30 FEET	-	500 LBS
OVER 30 FEET	-	700 LBS

(2) THE BOTTOM CHAIN SHALL BE AT LEAST TEN (10) FEET IN LENGTH:

(3) TOP CHAIN OR PENNANTS:

LENGTH OF TOP CHAIN OR PENNANT	-	THREE (3) FEET PLUS DEPTH AT MEAN HIGH WATER
PENNANT MATERIALS:	-	NYLON OR TOP CHAIN: TO BE REPLACED EVERY THREE (3) YEARS:
CHAIN SPECIFICATIONS:	-	US MANUFACTURERS ACCO - GALVANIZED

(4) BRIDLES:

NUMBER OF MOORING BRIDLES:	-	TWO (2) BRIDLES: ONE STANDARD AND ONE 25% LONGER AS A STORM BRIDLE:
LENGTH OF BRIDLES:	-	LENGTH 2½ TIMES BOW CLEAT TO WATER FOR STANDARD BRIDLE:
BRIDLE MATERIALS:	-	DACRON - THREE (3) STRAND
CHAFING GEAR:	-	URETHANE IMPREGNATED FIBER OR RE-INFORCED PVC:

RECOMMENDED CHAIN: SWIVEL & SHACKLE SIZES:

<u>ANCHOR WEIGHT</u>	<u>BOTTOM CHAIN</u>	<u>TOP CHAIN (CAN BE USED IN LIEU OF A LINE)</u>
200 LB	1/2"	1/2"
300 LB	1/2"	1/2"
400 LB	5/8"	1/2"
500 LB	5/8"	1/2" **
700 LB	3/4"	5/8" **

** DEPENDING UPON TYPE OF BOAT/VESSEL

SWIVEL & SHACKLES SHOULD BE ONE (1) SIZE LARGER THAN CHAIN/PENNANT:
ALL SHACKLES SEIZED WITH STAINLESS STEEL OR MONEL WIRE:

SINGLE POINT STANDARDS (CONTINUED)

- (5) USE MOORING BUOYS OF SUFFICIENT SIZE TO SUPPORT ALL TACKLE WITH A MINIMUM OF 60% OF THE BUOY FLOATING ABOVE ITS WATER LINE. BUOYS ARE TO HAVE VESSEL REGISTRATION NUMBER OR DOCUMENTATION NUMBER PAINTED ONTO THEM WITH LETTERS/NUMBERS AT LEAST THREE (3") INCHES HIGH AND IN BLACK COLOR. SEPERATE BAILS ARE TO BE USED ON THE TOP AND BOTTOM OF THE BUOYS.

(6) MINIMUM PENNANT LENGTHS: (FOR SHALLOW WATERS)REGARDLESS OF WATER DEPTH, THE MINIMUM PENNANT OR TOP CHAIN ARE TO BE:

<u>BOAT LENGTH</u>	<u>NYLON (3 STRAND)</u>	<u>OR TOP CHAIN</u>	<u>MINIMUM LENGTH</u>
TO 9 FT	1/2 INCH	3/8"	6 FT
10 - 17 FT	1/2 INCH	3/8"	6 FT
18 - 24 FT	5/8 INCH	3/8"	10 FT

- (7) ALL PYRAMID ANCHORS OR EXISTING MUSHROOM=TYPE ARE TO BE JETTED IN WHERE-
EVER POSSIBLE;
- (8) CHAFING GEAR:
ALL LINES RUNNING THRU ANY OBJECT WHERE CHAFING COULD OCCUR ARE TO HAVE ADEQUATE CHAFING GUARDS.

THE TOWN OF DARIEN, THE HARBOR MASTER AND/OR DEPUTY HARBOR MASTER, THE DARIEN ADISORY COMMISSION OF COASTAL WATERS DONOT ASSUME ANY LIABILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE OR ANY LOSS WHICH MAY RESULT FROM THE USE OF THESE MOORING SPECIFICATIONS. THESE STANDARDS ARE MEANT AS A GUIDE TO BOAT/VESSEL OWNERS IN THE PROPER MOORING PROCEDURES. EACH MOORING SPACE USER IS FULLY RESPONSIBLE FOR HIS OR HER OWN MOORING EQUIPMENT AND THE MAINTENANCE OF THIS EQUIPMENT AND TACKLE. FURTHERMORE, NO STANDARD CAN INSURE TOTAL PROTECTION UNDER ALL ADVERSE CONDITIONS. THESE STANDARDS ARE INTENDED AS MINIMUM STANDARDS AND AS REASONABLE GUIDES TO ASSIST THE BOAT/VESSEL OWNERS.

SINGLE POINT MOORING TACKLE COMPONENTS FOR DARIEN WATERS

LEGEND:

- 1: PYRAMID ANCHOR
- 2: SHACKLES: (GALVANIZED SCREW PIN TYPE; WIRE SEIZED)
- 3: BOTTOM CHAIN: 10 FT. GALVANIZED ACCO TYPE; ATTACHED TO 2ND LINK-
- 4: THIMBLE: (GALVANIZED PLOW STEEL)
- 5: PENNANT OR TOP CHAIN: CHAIN OR 3-STRAND NYLON; [LENGTH EQUALS WATER DEPTH AT MEAN HIGH WATER PLUS 3 FT.]
- 6: FLOAT BUOY: TIED/SHACKLED TO PENNANT W/ID
- 7: BRIDLES: DACRON, 3 STRAND; EYE-SPLICED; LENGTH EQUALS 2-1/2 TIMES BOW CLEAT TO WATER
- 8: CHAFE STRAPS: URETHANE IMPREGNATED FIBER OR REINFORCED PVC
- 9: LANYARD: w/SNAP CLIP
- 10: PICK-UP BUOY
- 11: ZINC: (SACRIFICIAL METAL ATTACHED TO 2ND LINK FROM BOTH SHACKLES AT BOTH ENDS)

