

# Specifications for Construction of NEFSC Standard Shrimp Net

Friday, April 04, 2003

## Body of the Net

Dimensions of the sections are shown on the attached net plan and cutting diagram. Mesh size is 1 3/8 stretched mesh (knot to knot) throughout top, side pieces, bottom, and wings and constructed from #21 (R1626tex) 1.6 mm black twisted nylon twine.

## Extensions

The first extension is 1 1/4" stretched mesh (knot to knot) constructed from #21 twisted nylon twine. It measure 224 meshes across by 200 deep. The second extension is 1 1/4" stretched mesh (knot to knot) constructed from #21 (R1626tex) twisted nylon twine. It measure 210 meshes across by 200 deep.

## Codend

The codend is constructed from 1 1/4" stretched mesh (knot to knot) #24 braided nylon twine (R1984tex). It measures 165 across by 100 meshes deep.

## Chaffer

The chaffer is constructed from orange 4" double 4-mm polyethylene twine and measure 100 meshes deep x 100 meshes around. The chaffer encircles the entire codend and is attached to the first extension piece 50 meshes up from the aft end of the first extension. Therefore, the chaffer covers the codend, second extension and 50 meshes of the first extension.

## Gore Lines

Gore lines are constructed from 3/8" polyethylene. The four gore lines run the length of the four seams of the net up to the first extension.

## Footrope

(Fishing line)

The footrope is 78' total length and is a continuous 5/8" diameter wire wrapped with 1/4" polypropylene line.

## Headrope

The headrope is made of 1/2" diameter wire wrapped with 1/4" polypropylene line. It measures 70'8" and is constructed from one continuous piece. The square is hung 12 foot (2 fathom) and the wings are hung in 24 foot (4 fathom) lengths.

### Breastline

The breastline (up and down) measures 21'6" and is constructed from ½" diameter wire wrapped with ¼" polypropylene line.

### Floats

There are 27 eight-inch spherical center hole UBE plastic floats evenly spaced every 28" beginning 28" from the wing end.

### Sweep

(groundrope)

The sweep is made up of three lengths of 5/8" diameter combination rope with eyes spliced in each end without thimbles and joined with 5/8" hammerlocks. There are two wing sections that are 34 ½ feet long and a center section of 9 feet. Combination rope is a combination of nylon or polypropylene strands and steel wire with a fiber core.

There are six 36 cm (14 inch) diameter rubber discs in the 2.7 m (9-foot) center section spaced 18 inches apart (on center). The disks are one to one and a half inches wide and have a center hole and a top hole for the bolch line. The wing sections have fourteen 25 cm (9.8 inch) diameter discs in each 8.7 m (28.5 foot) wing section. At each wing end, there was a 1.5m (5-foot) section equipped with 7.6 cm (3-inch) diameter rubber "cookies".

### Bolch line

A 78-foot bolch line is passed through a hole at the top of each rubber disc. The bolch line is constructed from 9/16" combination (wire / rope) rope.

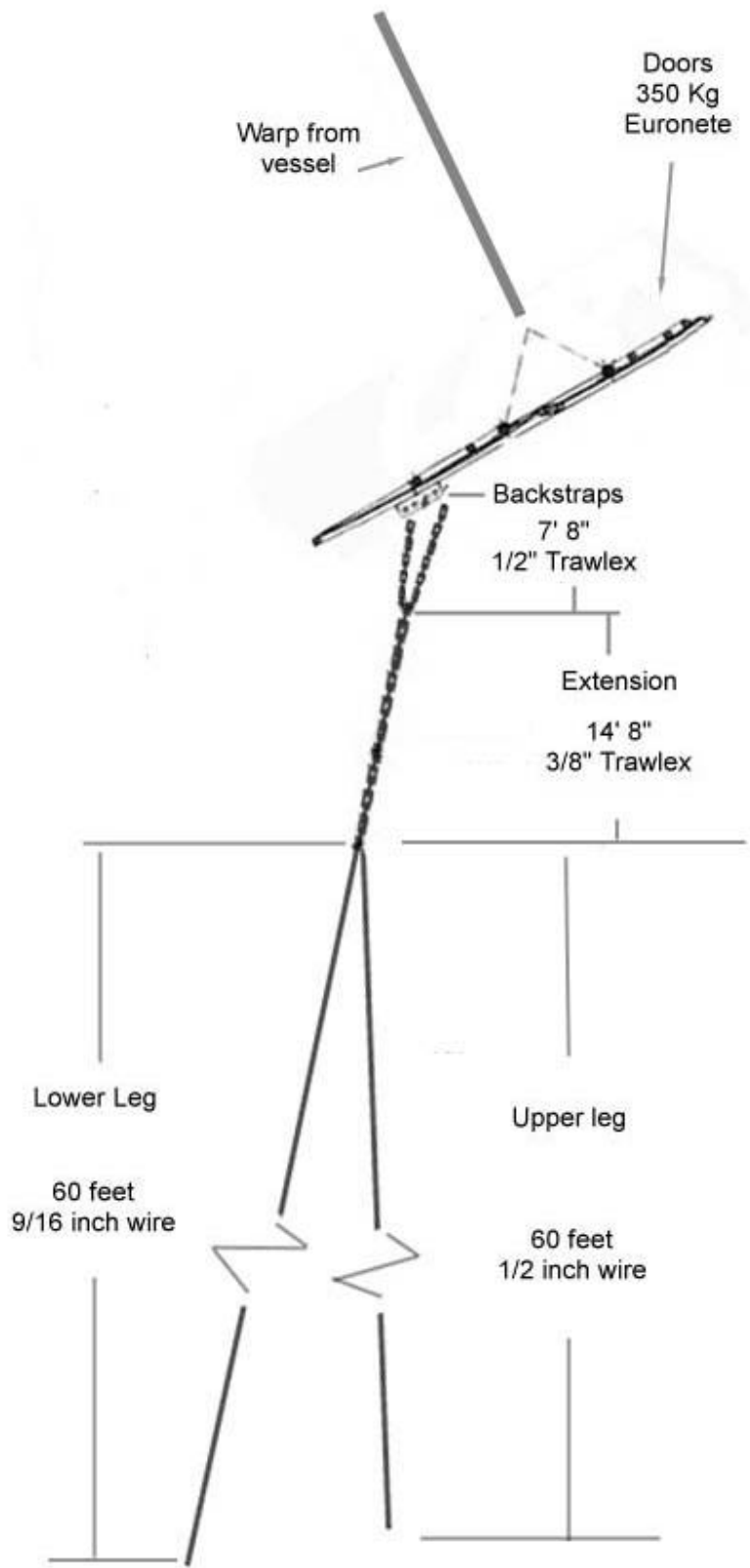
(See attached diagram)

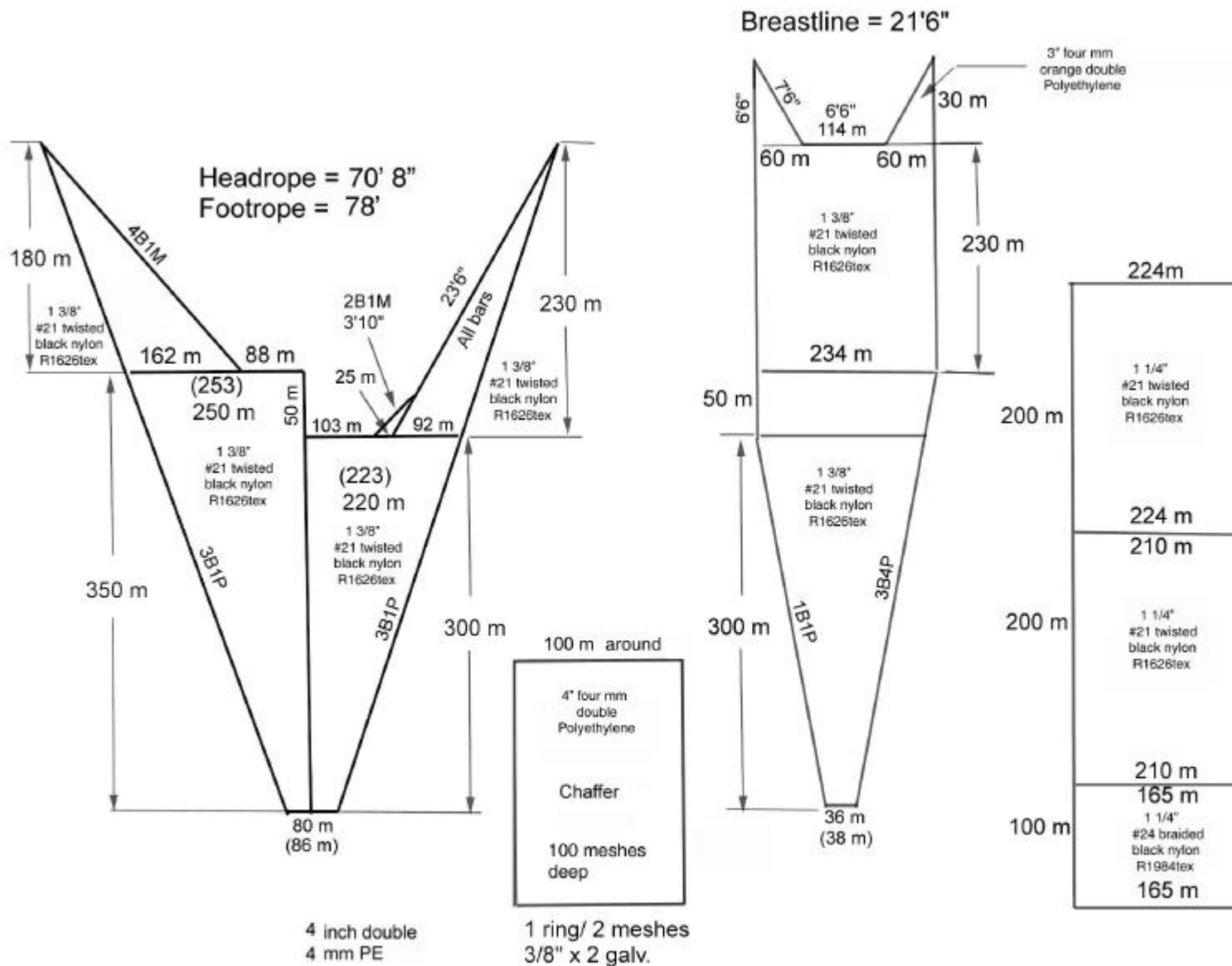
### Liners

No liners are used in this net

### Doors

The doors are 350 kg Portuguese polyvalent doors manufactured by Euronete.





Numbers in parentheses (##) are the actual number of meshes in the section. The additional meshes are wrapped in the gore.  
Meshe sizes are knot center to knot center

# Shrimp Net Sweep

