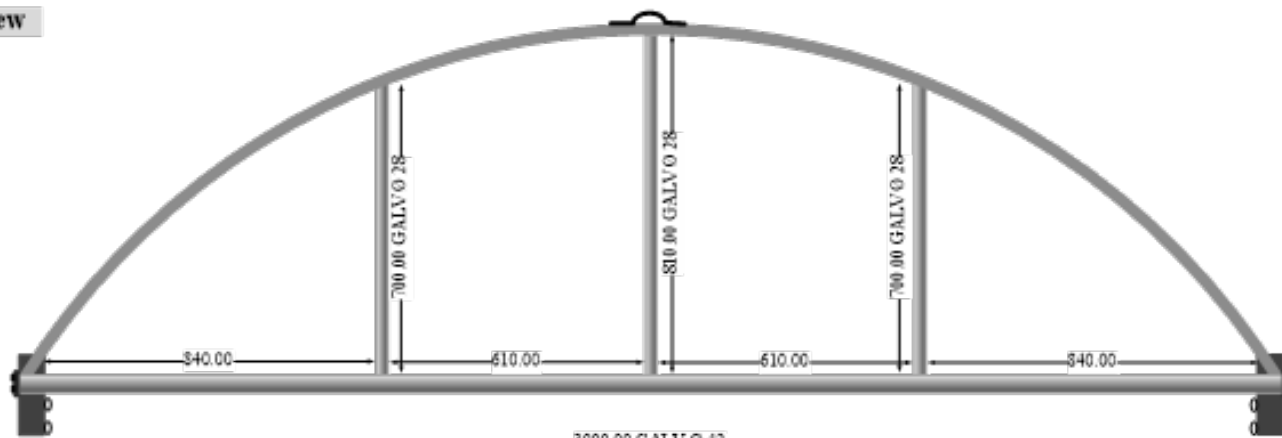
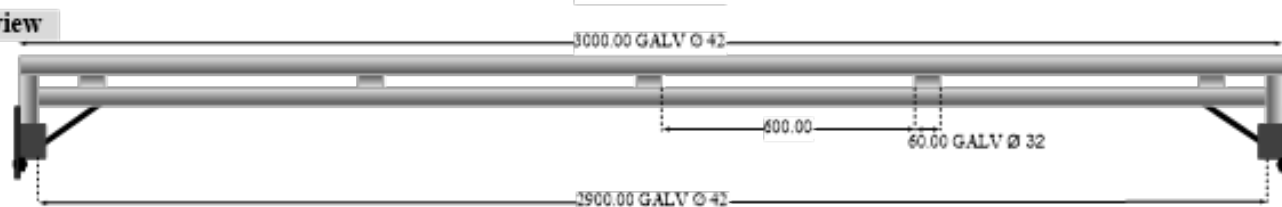


Technical Plan of the Rapa Whelk Beam Trawl

Top view

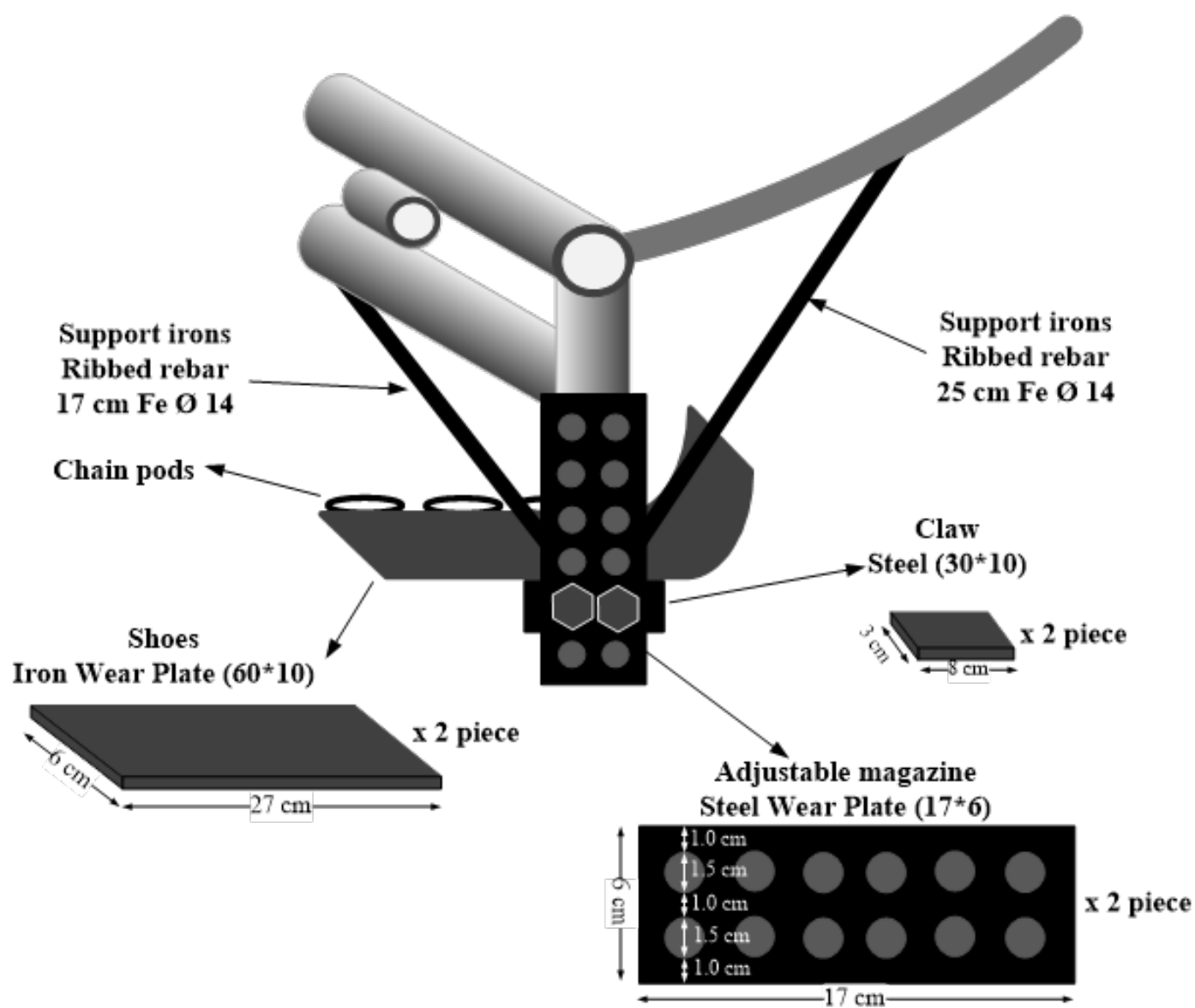


Front view

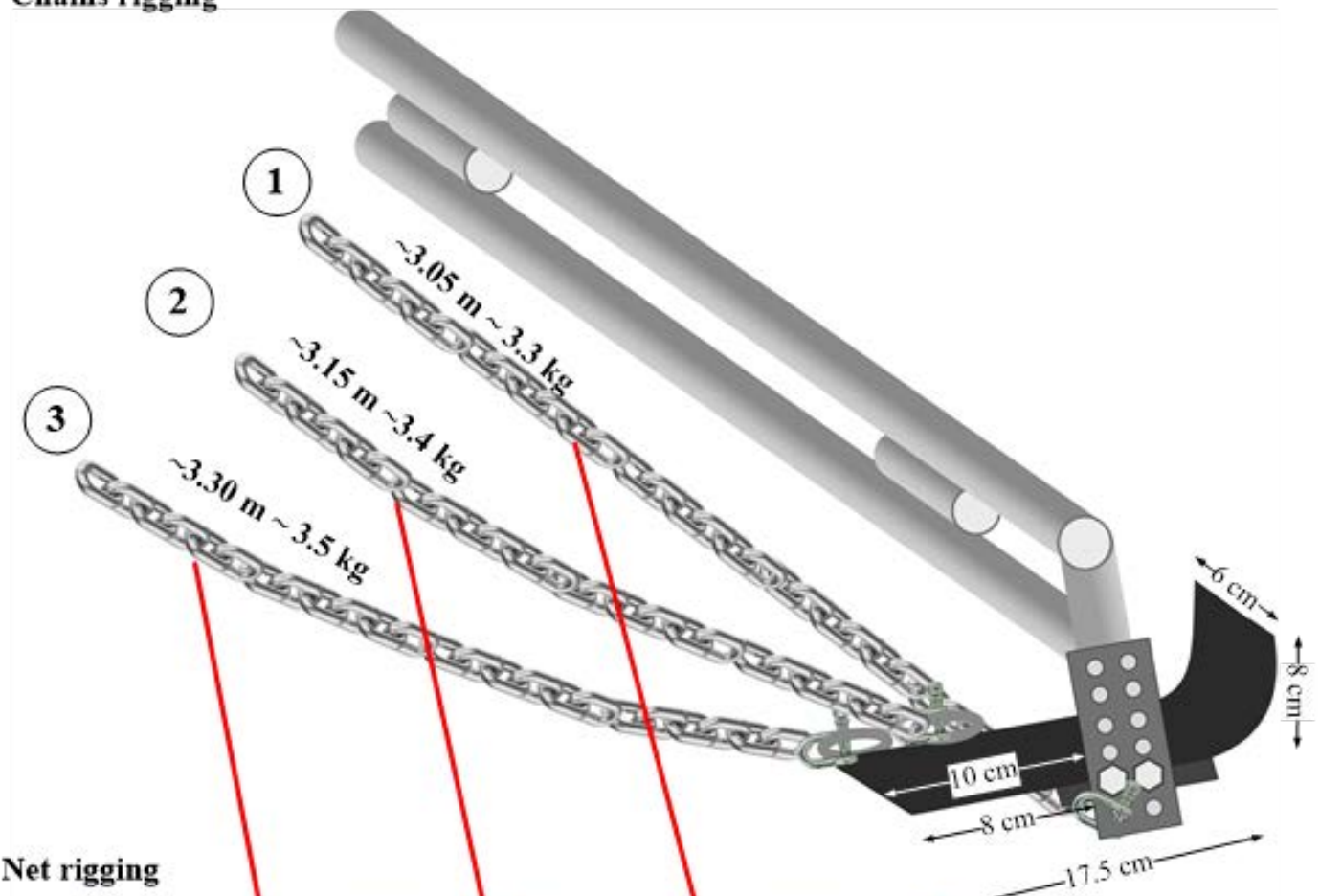


Side view





Chains rigging



Net rigging





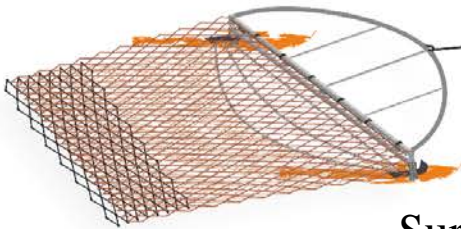
Rapa whelk beam trawl warp length (m) and towing speed (knot) according to most common working depths (5-30 m) and various ground characteristics (sandy, muddy and gravel).

Depth (m)	Warp length (m)	Towing speed (knot)
5	70-90	3
10	90-110	3
20	140	2.5
30	185	2
40	230	2
50	275	2

Construction of Rapa Whelk Beam Trawl in Samsun (Black Sea)

Expected Outputs

- Define beam trawl technical specifications
- Develop detailed schematic representation of beam trawl based on technical specifications



Surveyed Assoc.Prof.Dr. M. Hakan Kaykaç & Prof.Dr. Zafer Tosunoğlu

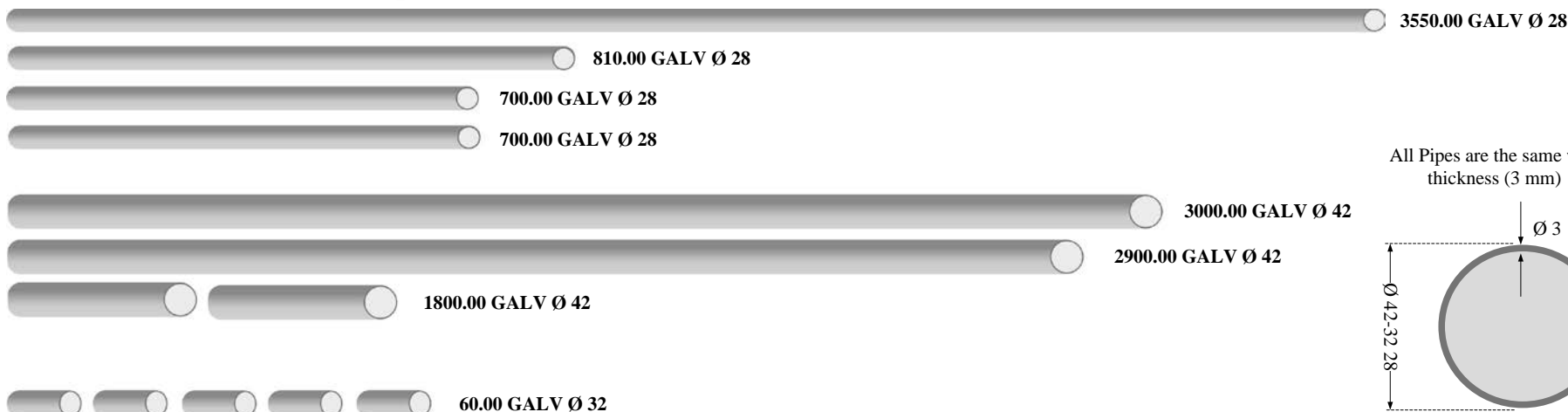
Ege University Faculty of fisheries 35100 Bornova Izmir Turkey

Corresponding hakan.kaykac@ege.edu.tr +90.530.2120505



Materials used making at the Rapa whelk beam trawl

Galvanized Pipes



Shose

Iron Wear Plate

27 * 6 cm in size

Wall stickness 1 cm



Magazine (Şarjör)



Steel Wear Plate

17 * 6 cm in size

Wall stickness 1.5 cm



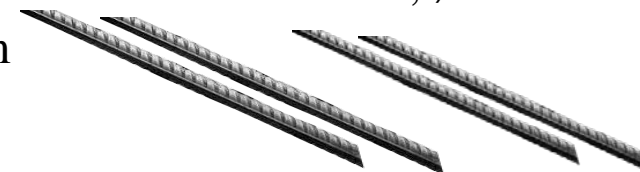
Chrome Hex Nut and Bolt (four in number)

3 cm in size, Ø8

Support irons

Ribbed rebar

17 and 25 cm in size, Ø14



Claw

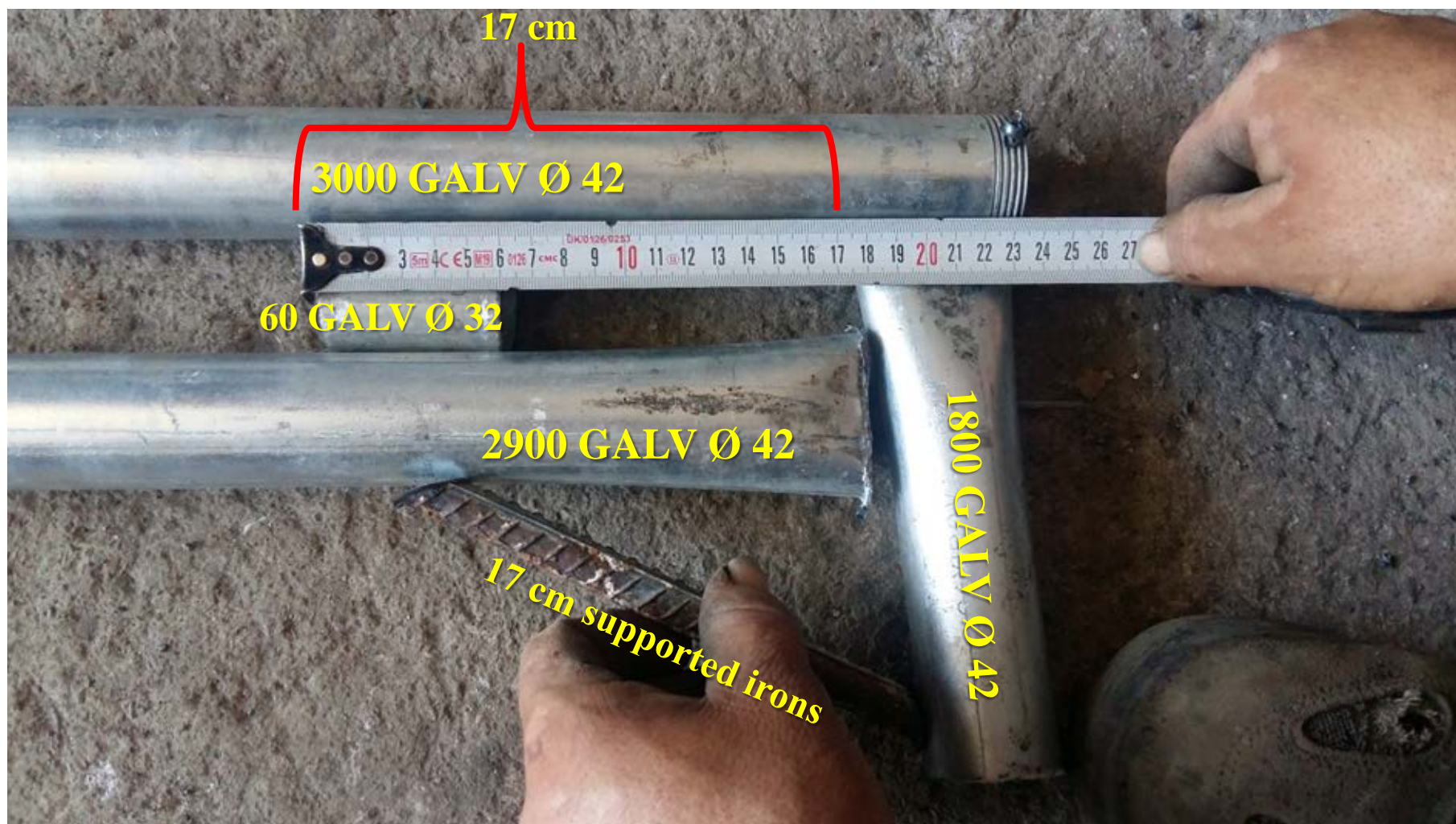


Steel Wear Plate

8 * 3 cm in size

Wall stickness 1 cm

Construction phase of the Beam





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SEA4FISH**

The parts were placed in their places.



Welding processes





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Welding treated parts





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BLACK
35500 GALV Ø 28
SEA FISH





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Welding frame part



Welding supported iron (25 cm)



Preperation and welding of shoes





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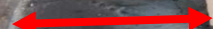
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Welding of claw



8.5 cm

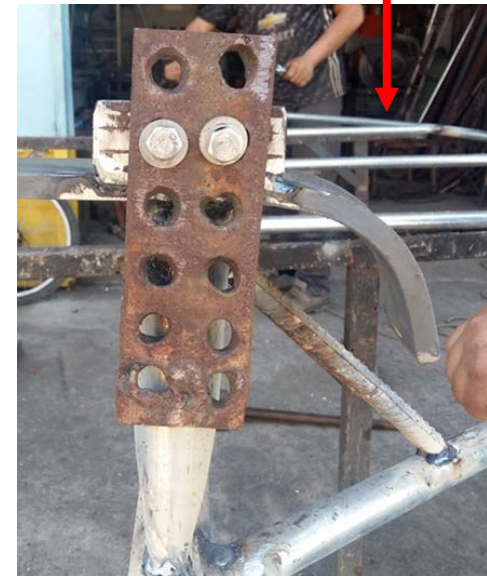




*After completed all welding process,
the welding edges were cleaned by
with sandpaper machine*



*Magazine and claw are
connected with 2 bolts
through the second hole*





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Final version of the beam / frame

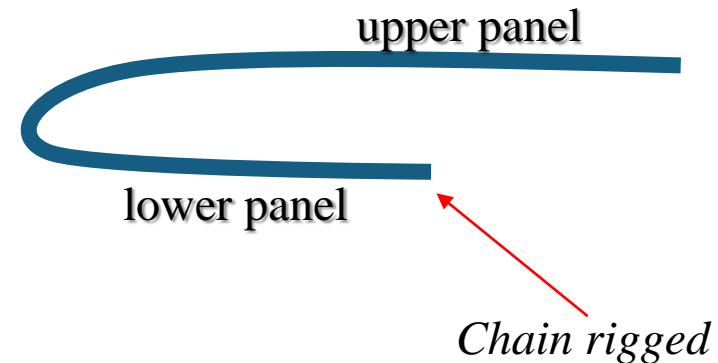




Construction phase of the Net

**The Net single piece
(75 * 65 mesh for 3 m beam)**

**This Net is folded to create
upper and lower panel.**





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Lower panel with chain (3 m)



Upper panel with rope (PP Ø 5-6)



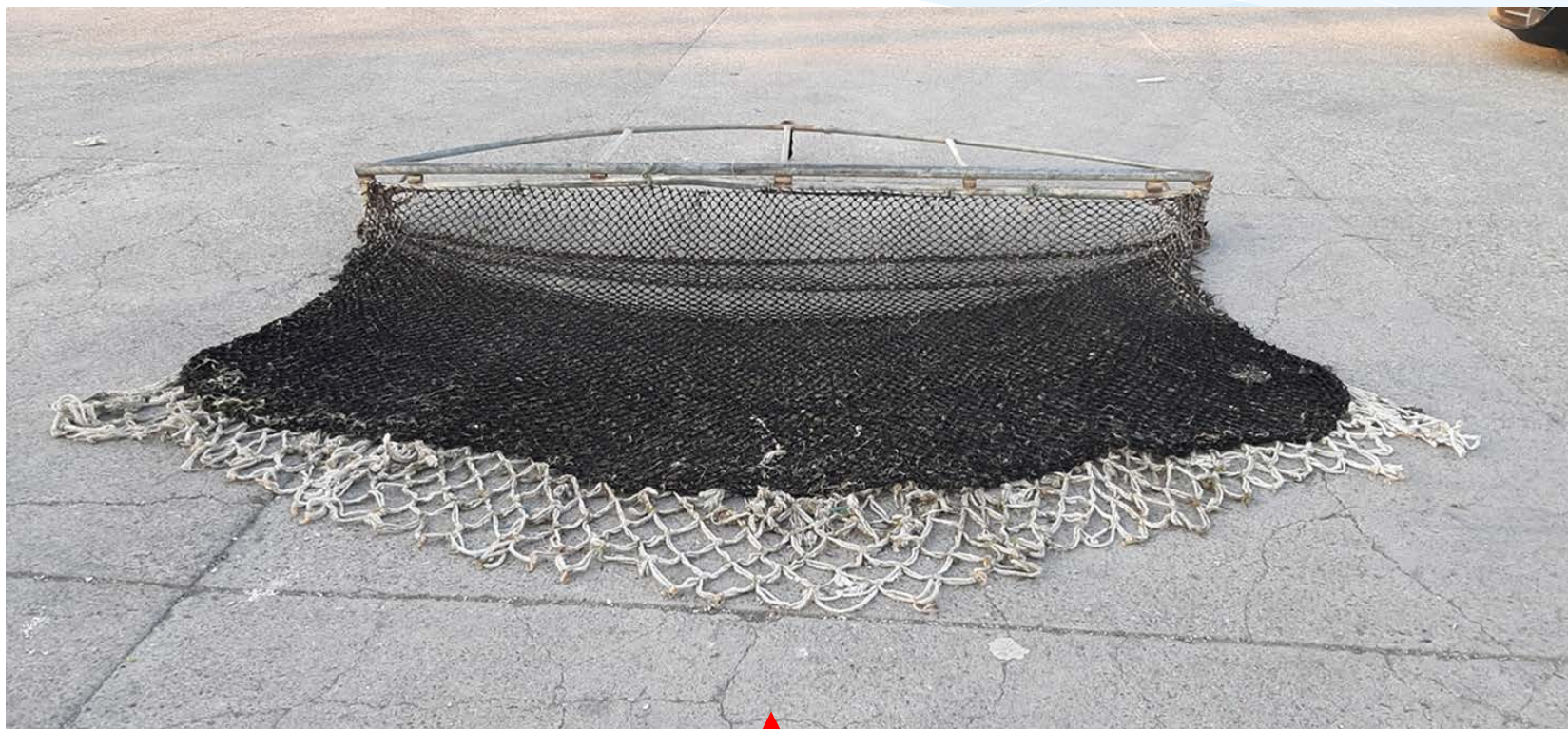


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Protection piece (PES 120 mm mesh size, Ø 6 mm twine thickness)



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**The finished version of the fishing gears
(Rapa whelk beam trawls- 3 m) weights about 50-60 kg.**