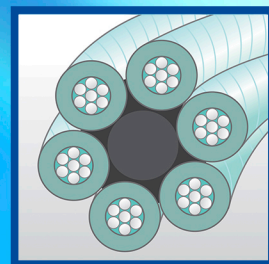
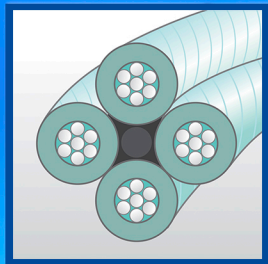




itsas **korda**®



THE MALLETA IN THE SWEEPS

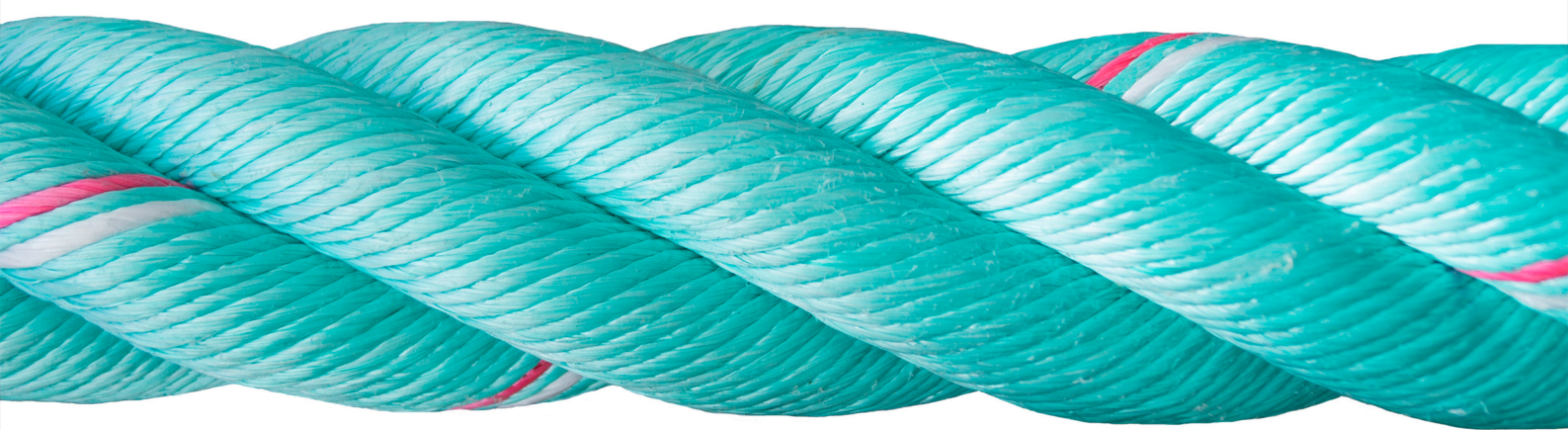
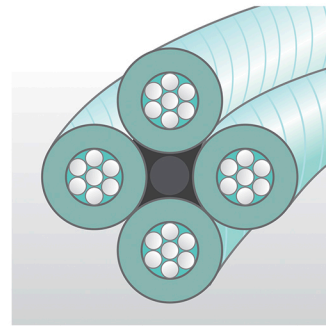
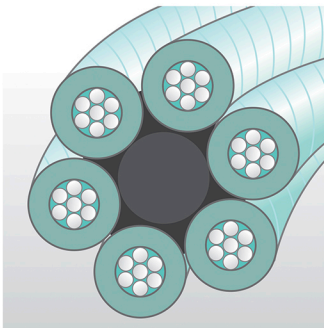
Combination Ropes



1. DEFINITION

The “Malleta” is a semi-wired combination rope designed to fulfill a specific function of the bottom trawl fishing.

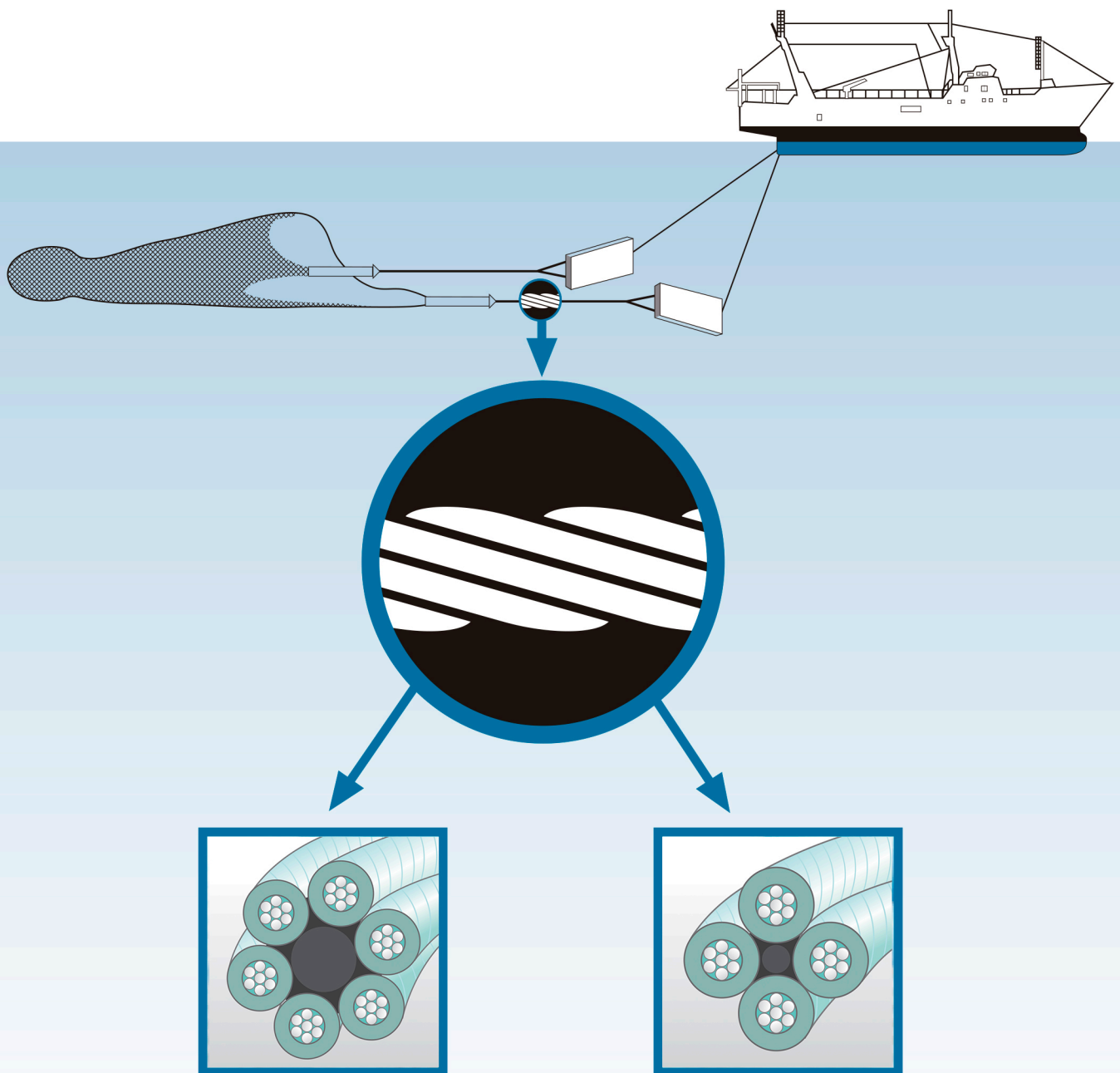
There are different constructions (4, 5 or 6 strands) always with fibre core, and the wire strands can be covered with different fibres as: Polysteel, Nylon, PP..., depending of the characteristics of the fishing area and the sea bed.



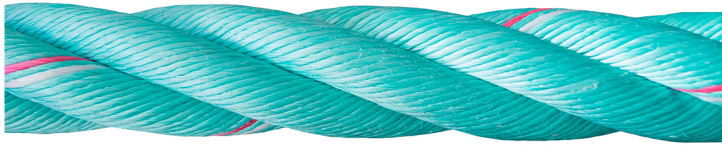
2. LOCATION IN THE TRAWL

The “Malleta” is located between the trawl doors and the footrope, usually in the sweeps, and sometimes also in the lower bridles.

The “Malleta” will have different diameters, weights and lengths, depending of the fishing area, fisheries and the characteristics of the sea bed and the ship.



3. THE ADVANTAGES OF USING MALLETA WITH REGARD TO OTHER MATERIALS IN THE SWEEPS



NEW



USED

Using sweeps the trawl is better based on the seabed. Another good aspect from using sweeps is that they reject the wavering of the trawl doors, the pulls of the wire rope... protecting the trawl against the effects of all these vicissitudes.

The possibilities of manufacturing the “Malleta” with different fibres covering the wire, each one of them with their own technical characteristics, give us the chance to adapt the “Malleta” to each one of the cases. Depending on the fishing area and the fisheries each “Malleta” will need specific characteristics which can be given using the right fibre covering the wire.

Soft seabed

Because of its fibre component, the “Malleta” is a product with lower density than other products (steel wire rope, 6 str. combination steel core) it keeps the same weight but in a bigger diameter. That is why it features better sliding over the seabed and its irregularities, not penetrating into it.

This characteristic of the “Malleta” featuring better sliding over the sea bed and its irregularities, not penetrating into it, produces a kind of sand curtain in both sides of the trawl when the ship is towing the trawl. Because of this, the fish lose the visibility at both sides and swim ahead until they tire and fall back into the trawl.

Hard seabed

The construction of the “Malleta”, with fibre covering the wire rope strand, means that when the product is working the fibre component is in contact with the seabed, keeping without waste the wire rope strand inside. The contact of the fibre component with the seabed transforms it into a compact and gliding cape, resting all its weight in a bigger area.

The best example that we got about the use of “Malleta” in the sweeps was given by the Spanish fleet which worked in Canadian areas in the Black Halibut fisheries. Because of the extremely hard seabed where they were fishing, they tried with all kind of materials in the sweeps: Wire rope, chains, rubbers... verifying that the “Malleta” (in this case covered with Polysteel), was the product that had longer working life and better adapted to that extremely hard sea bed. They even reduced around 60% the use of materials.

4. RECOMENDATIONS FOR THE USE OF “MALLETA” INSTEAD OF WIRE ROPE IN THE SWEEPS

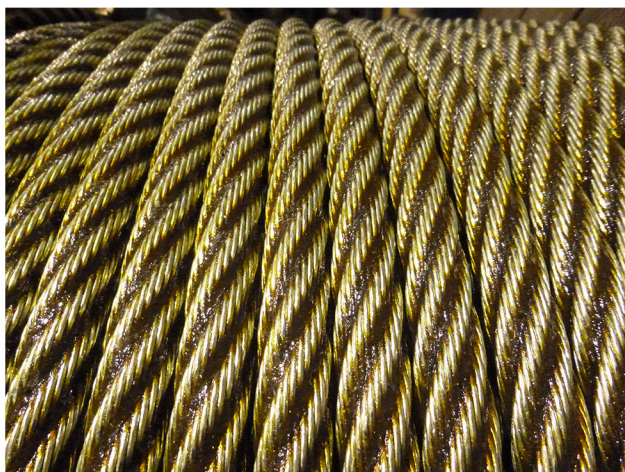
ATLANTIC MALLETA

WIRE ROPE (MM) USED IN WINCHES	MALLETA (MM) TO USE	STRANDS	WEIGHT/KG METER	BREAKING STRENGTH
16	34	4	1,1	23.500
18	36	4	1,2	27.500
20	40	4	1,5	32.400
22	44	4	1,8	40.500
24	48	4	2,4	49.500
26	50	5	2,6	51.000
28	52	5	2,8	53.500
30	54	6	3,2	55.500
32	58	6	3,4	57.200
34	60	6	3,8	61.500

AFRICAN MALLETA

WIRE ROPE (MM) USED IN WINCHES	MALLETA (MM) TO USE	STRANDS	WEIGHT/KG METER	BREAKING STRENGTH
16	34	4	1,1	17.800
18	36	4	1,2	19.500
20	40	4	1,5	28.200
22	44	4	1,8	32.500
22	46	4	2,0	36.500
24	48	4	2,1	39.500
24	50	4	2,2	41.800
26	52	4	2,3	43.500
26	54	4	2,6	46.600
28	56	4	2,8	48.500
28	58	4	3,0	52.000
30	60	4	3,2	54.000

Based in our long time experience manufacturing “Malleta” and in the recommendations that we have already given, we offer this information as a help in the change from the wire rope to “Malleta” as product for the sweep.



STEEL WIRE ROPE



MALLETA

5. THE USE OF “MALLETA” IN DIFFERENT GEOGRAFICAL AREAS

The big majority of the Spanish fleet use “Malleta” since long time ago.

This use of the Spanish market during long times supposed that the product was adopted by some other markets, which have been under the Spanish influences. As examples we have got the North African (both Algerian and Morocco markets) and the Portuguese market.

During the last years the French market and the Irish South Cost markets have started using the “Malleta” and at the moment is being used for a big part of their fleets.

Other geographical areas where the “Malleta” has been introduced, and is being used at the moment are the South American and South African markets.

Finally we will refer to the interest that we are receiving from different areas about the use of “Malleta”, most of the time through the skippers who are the first who see the advantages of using “Malleta”. We can refer to Canada, Iceland and Scotland where they have already checked the material.

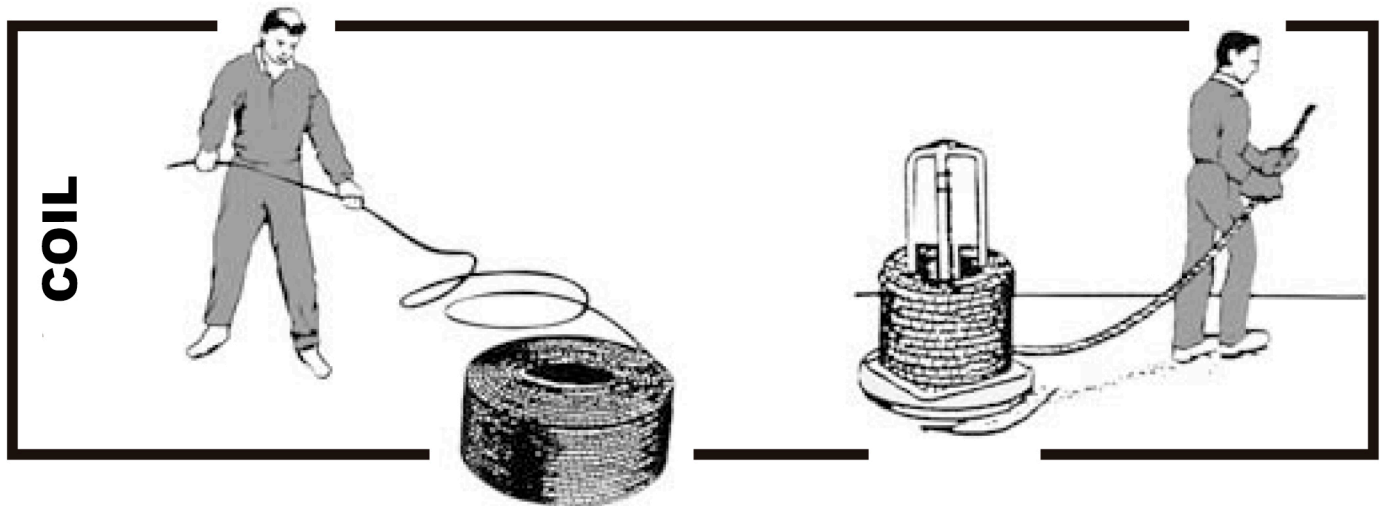


6. THE RIGHT UNREELING AND UNCOILING OF THE "MALLETA"



INCORRECT

CORRECT



INCORRECT

CORRECT



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