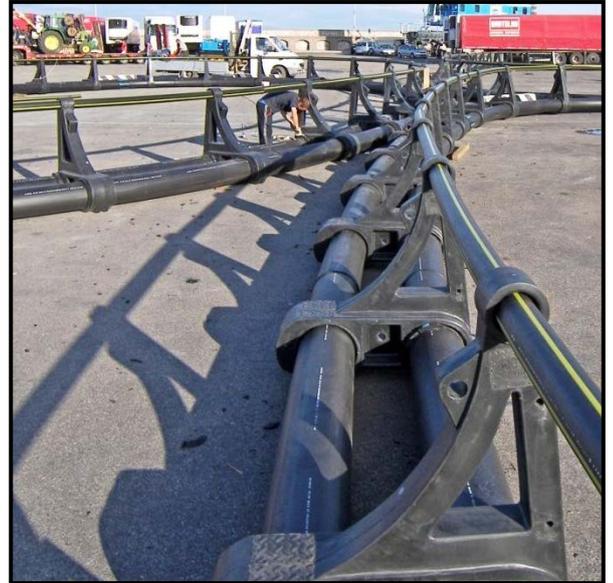




FUTUR Cage System

Technology & Know-how



With over 30 years experience at the fore-front of the cage culture industry in Norway and world-wide, our marine cages are reputed for their operational stability, optimum flexibility, durability, ease of use, and customer satisfaction.

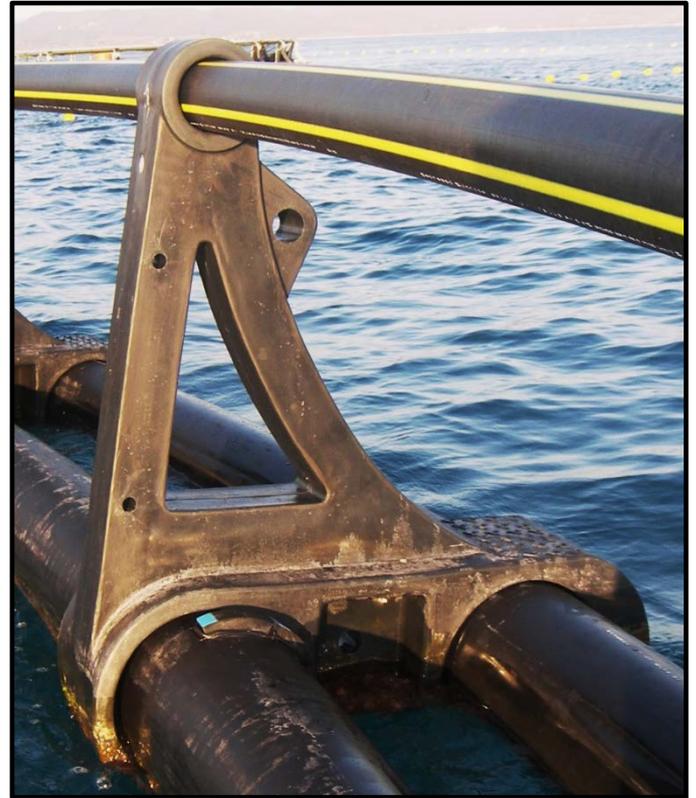
The FUTUR range of cages are the result of a continuous update in design and production technology, combining precious feedback from clients with results from ongoing R & D. These cages are the solution for increasingly harsh off-shore climates, larger cage sizes with deep nets, and rough handling that farm facilities are subjected to today.



The FUTUR cages are constructed from solid HDPE material throughout. The heavy duty stanchions in 25 mm thick HDPE are stronger than steel counterparts, and provide additional protection against abrasion from boats and heavy farm machinery.

Standard dimensions range from 40m to 120m circumference (and upwards in the case of tuna-pens), accepting nets up to 30 m deep. The larger units are designed for deep net-pens and exposed locations to achieve high production efficiency.

An optimum distribution of mooring loads within the cage grid system enables it to overcome the environmental strains of offshore sites. Mooring analyses are performed for optimum specification of all components. Specific anchorage designs can assure safe operation in all sea conditions.



DIMENSIONS OF REFA FUTUR HDPE CAGES:

Circumference / diameter (m)	Floating pipe diameter (mm)	Reccomended depth of net-pen (m)	Total rearing Volume (m3)
40 / 12.7	200	4 - 8	500 - 1.000
50 / 15.9	200 / 250	5 - 10	1.000 - 2.000
60 / 19.1	250	6 - 12	1.700 - 3.400
70 / 22.3	250 / 280 / 315	8 - 14	3.100 - 5.400
90 / 28.6	280 / 315	10 - 20	6.400 - 12.800
120 / 38.2	315 / 400	15 - 30	17.200 - 34.400
157 / 50.0	315 / 400 / 500	15 - 40	29.000 - 78.000



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REFA Composite Futur Bracket

Specifications:

- Available for double or triple float pipes.
- In Ø 250mm, 280mm, & 315 mm.
- Sturdy Monoblock twin-wall system for unmatched strength and flexibility.
- Polyurethane foam filled at 40 Kg/m³.
- Handrail Ø 110 mm.



FUTUR Repair Bracket

Made to Last:

- Heavy gauge HDPE
- Custom-produced to client's specification.
- Can replace any original cage bracket size.
- Press-on coupling, with bolted safety closure lock.

