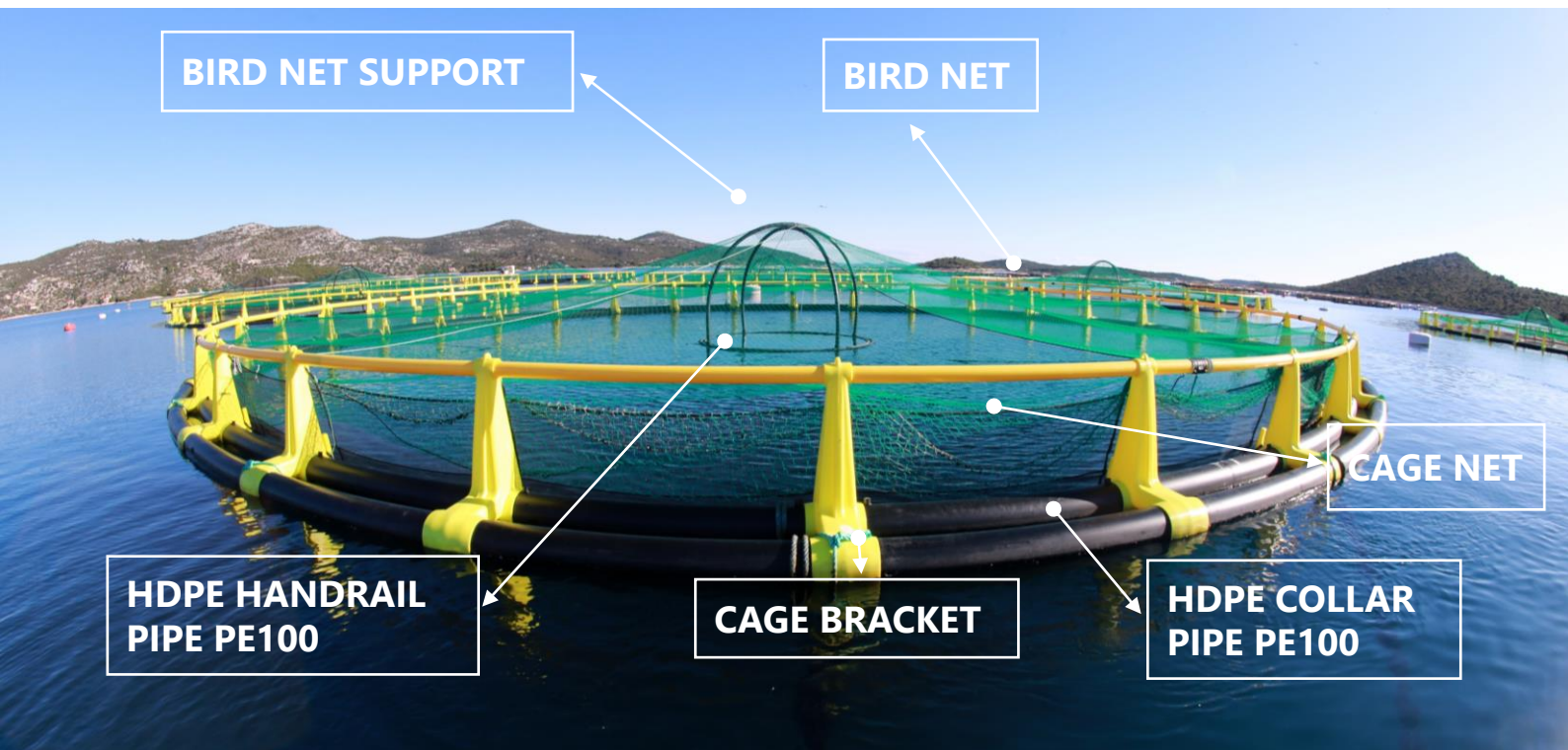


## PRODUCT DATA SHEET



### CIRCULAR PLASTIC CAGE

The working principle of this farming technique is quite simple: a cage with a rigid structure, more or less flexible (by steel, plastic, rubber or other) it is supported on the surface by special floats.

The floating frame system supports a few meters deep netting containing farmed fish. Cages are an efficient alternative to other farming containment structures such as concrete or pond tanks.

These facilities do not need pumping, heating or water filtering. Fish can live in their habitat, while remaining in a segregated area.

You can have higher production per cubic meter, thanks to the unlimited water supply.

**Advantages** of using cages in fish farming:

- Cages can be transported to other sites, granting environmental sustainability.
- Greater farming volume can be achieved.
- Fish can avoid surface water, which might be colder in winter or, due to the higher summer insulation, might be excessively hot.
- Constant chemical-physical water conditions that are foreseeable throughout the year.

- Very low mortality rate caused by pathogens.
- Cages can use very deep nets. This allows fish to remain in deep waters while rough weather conditions disturb the sea surface.
- High farming volumes enable fish to be more active swimmers which increases their appetite and produces faster growth of fish species.
- Increased fish mobility, due to the larger areas available, produces more compact animal muscle. The final result is more lean meat.
- Cages enable aquaculture and fish farming companies to work on large scale and obtain very high production with minimum energy consumption.

The Badinotti Group also:

- Supplies a wide range of brackets: plastic (rotomoulded, injected or welded) or hot dipped galvanized steel.
- Oversees Turn-Key Project for aquaculture and fish farming (floating and submersible cages).
- Siting services, mooring calculation and design, mooring installation can be supplied upon request.



# POLYETHYLENE PLASTIC BRACKETS



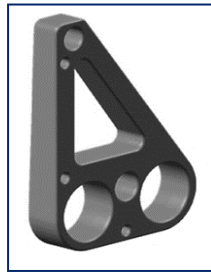
**L2**



**L3**



**L4**



**TR1**



**W1**



**HD1**

## Technical Specifications\*

Description	L2	L3	L4	TR1	W1	HD1
<b>Production Technology</b>	Rotational Moulding	Rotational Moulding	Rotational Moulding	Rotational Moulding	Welded	Injection Moulding
<b>Material</b>	Medium Density Polyethylene	Medium Density Polyethylene	Medium Density Polyethylene	Medium Density Polyethylene	High Density Polyethylene	High Density Polyethylene
<b>Wall Thickness</b>	9mm	12-17mm	17mm	12mm	From 11 to 15mm	20mm
<b>Weight</b>	8kg	20-23kg	20kg	23-28kg	16-20kg	37.5kg
<b>Color</b>	G/Y/Blue/B	G/Y/Blue/B	Black	Black	Black	Black
<b>PE Treatment</b>	UV stabilized	UV stabilized	UV stabilized	UV stabilized	UV stabilized	UV stabilized
<b>Handrail Ø diameter</b>	90mm	110mm	110mm	110mm	110mm	140mm
<b>Collar Pipes Ø diameter</b>	200mm	250-315mm	315mm	315mm	250-315mm	400-450mm
<b>Suggested Cage Circumference</b>	30-40mt	50-70mt	60-90mt	60-90mt	60-90mt	95-160mt
<b>Cage Technology</b>	Floating	Floating	Floating Submersible	Floating	Floating Submersible	Floating Submersible



## Mooring Bracket

Special «H» shape design brackets are available to connect the mooring grid to the cage collars by the bridle ropes.

The brackets reinforce the HDPE pipes, doubling their wall and keeping the bridles «in-situ», avoiding slipping along the pipes.

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