



Polarcirkel 500R

One of our most powerful pen models to date, enforced to withstand the true forces of nature.

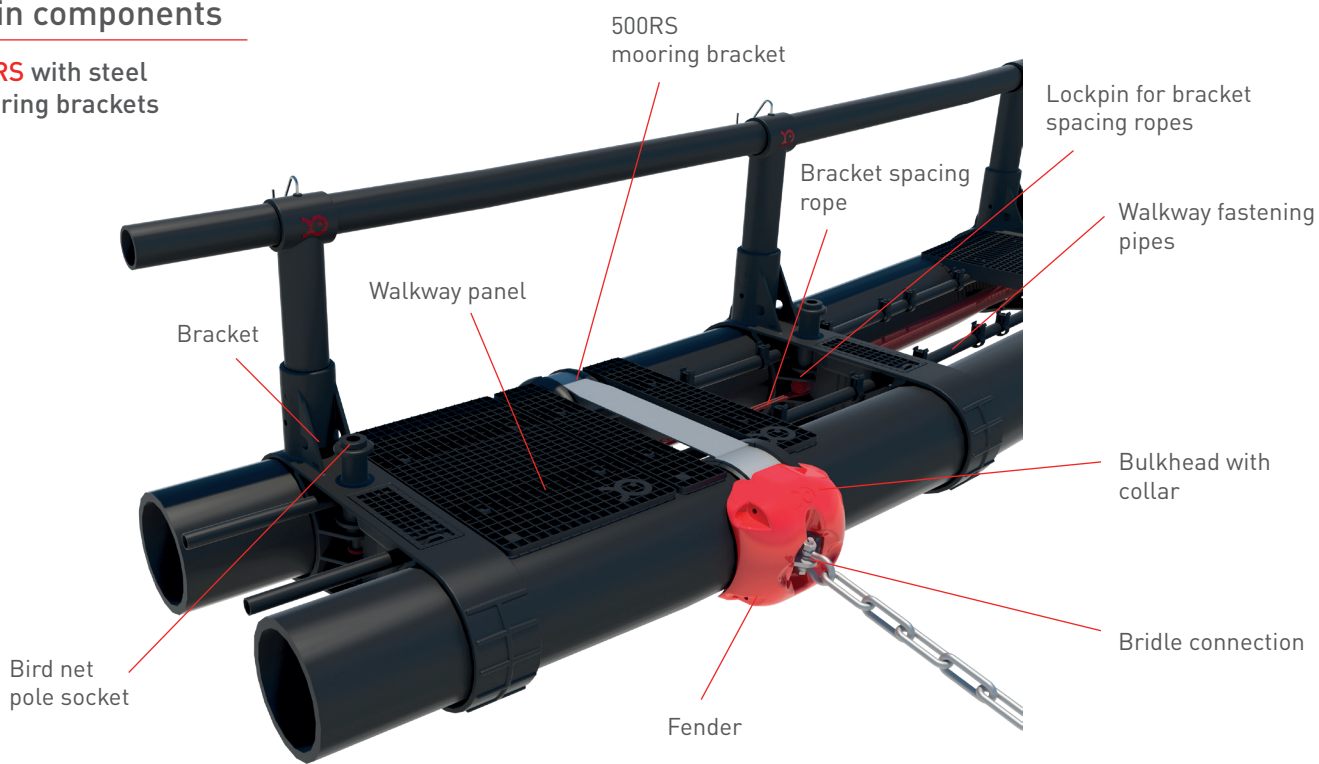
When nature rebels, you need equipment you can trust. Polarcirkel 500R pen is engineered not only to withstand severe weather conditions, but also to provide the farmer with the most practical and safe tool possible. The pen has a highly robust and stable construction:

- Made from non-corrosive high-quality Polyethylene
- The outer floating pipe has 12 strong mirror welded collars which makes the tube sectioned in 12 watertight chambers. The inner floating pipe is sectioned in four watertight chambers
- Styrofoam free: eliminating the risk of pollution
- Fortified stanchions (180mm) and railing pipes (160mm) enhances the pen's loading capacity.
- Built-in bird net pole sockets
- New integrated net connection system
- Strong bollards for mooring boats to the pen
- Recessed box for sinker tube suspension
- Several smart add-on options, including outer railing
- Choose between steel mooring brackets (500RS) or regular mooring solution with straps

POLARCIRKEL 500R: DESIGN OVERVIEW

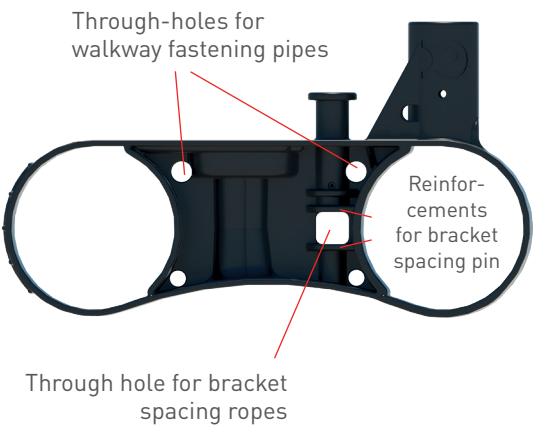
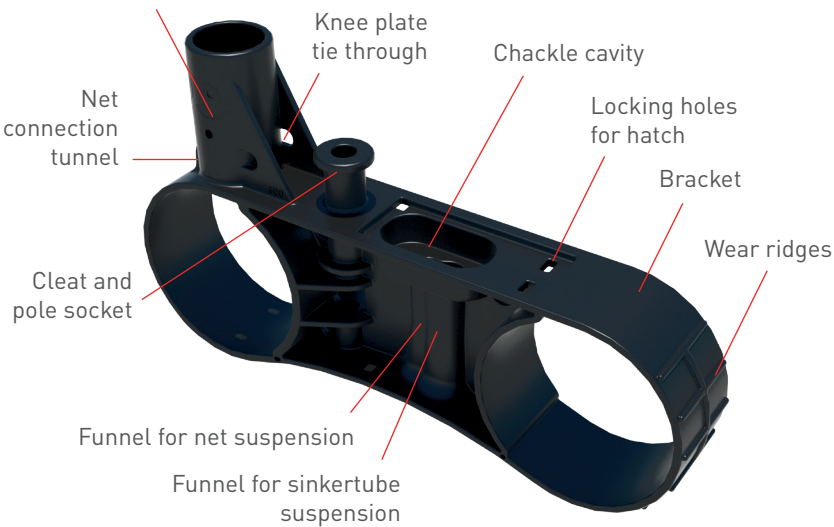
Main components

500RS with steel mooring brackets

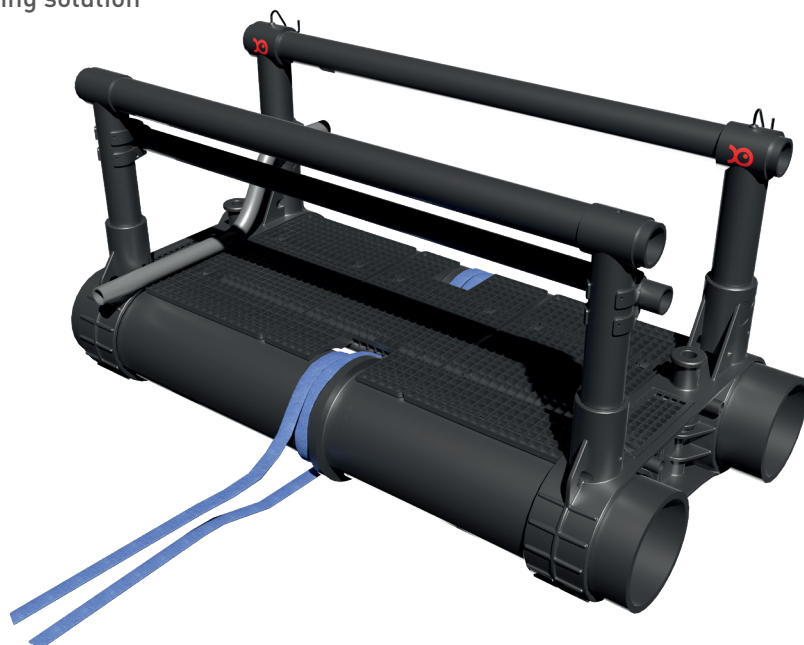


500R bracket

Stanchion socket



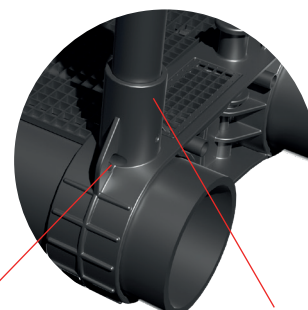
500R with regular strap mooring solution



Add-on functions



Crossover bracket



Predator net connection

Outer stanchion socket



Dimensioned for
all mooring loads



No styrofoam



Delivered in
circumferences
from 100 - 240m



Its superior structural strength has made Polarcirkel a preferred choice for fish farmers all over the world. Extensive use of Polyethylene in our brackets eliminates corrosion, minimizes expensive and difficult maintenance and substantially increases pen lifespan.

The new and watertight bulkhead collars takes all mooring loads, and eliminates the need for internal styrofoam. This, together with enforced stanchions and railing pipes, a tighter fit between the brackets and main floating pipes, and smart details such as built-in bird net pole sockets, make Polarcirkel 500R one of our most powerful, safe and environmentally friendly pen models to date.

POLARCIRKEL 500R

A well proven concept

Experience is a crucial success factor in the fish farming business. AKVA group invented the first plastic pen in 1974 and has since supplied thousands of pens all over the world. All Polarcirkel pen designs are carried out by our professional T&D department. Independent marine engineering consultants are also involved in advanced static and dynamic load calculations to ensure all designs meet or exceed expected real life loads as well as applicable industry standards.

A lot has changed in 25 years! Extended operations and more exposed locations place higher demands on the pen. Reinforcements in the form of e.g. strong-point bulkhead collars and stronger stanchions and railing pipes, make Polarcirkel 500R the perfect choice for modern fish farms.

Quality and certification

All Polarcirkel pens are manufactured and assembled in accordance with AKVA group's Quality Assurance System (ISO 9001 and ISO 14001) which is certified by DNV (Det Norske Veritas). All pens in Norway are designed in accordance with NS 9415 (Norwegian Standard 9415 for pen farming equipment to prevent fish escape).

