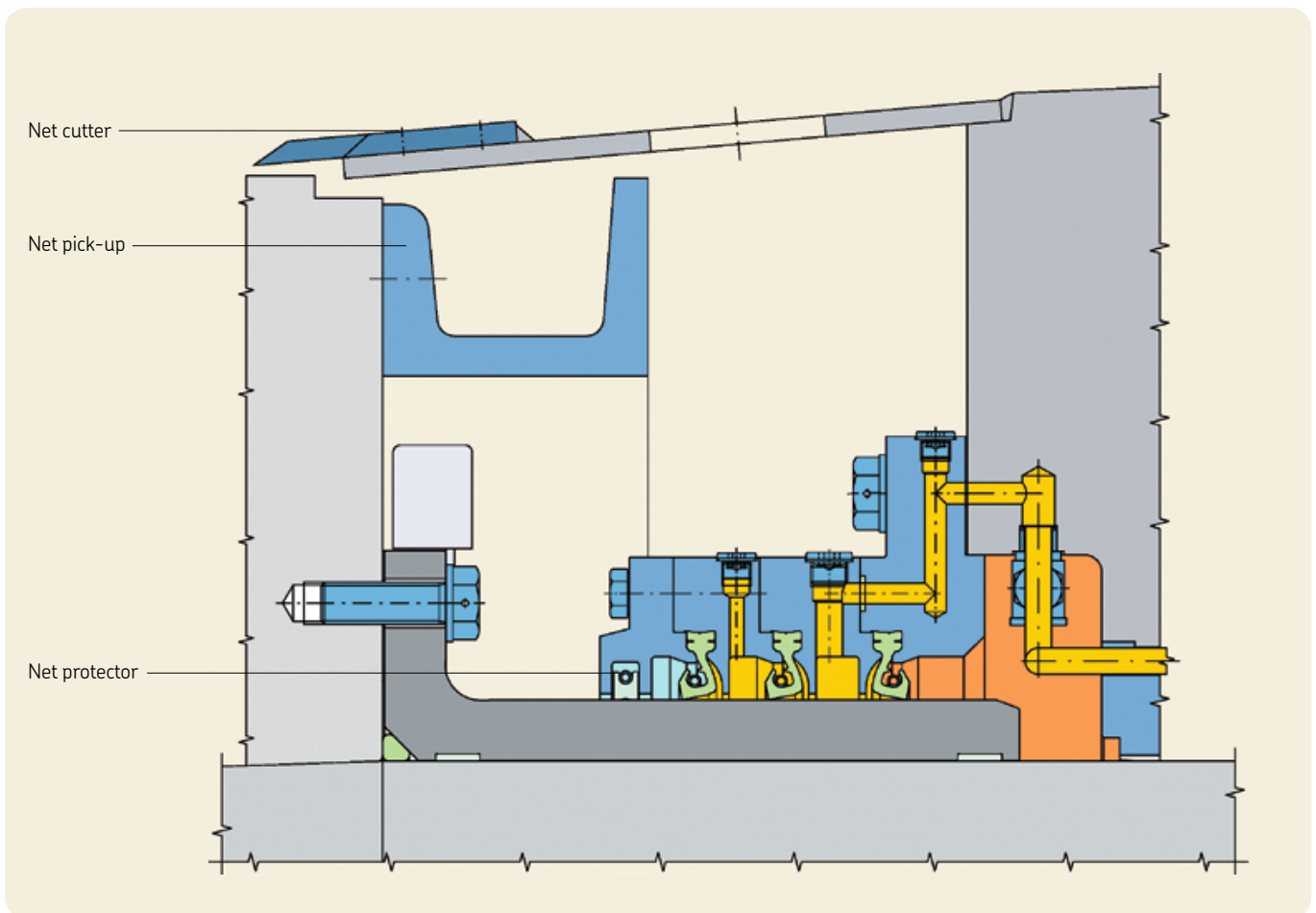


# Net protection for Simplex seals



There are three options for protecting the aft seal from damage caused by fishing nets or lines. All three options can be used individually or in combination:

- Simplex Net cutter
- Simplex Net pick-up
- Simplex Net protector

# Simplex Net protector

## General description

- Dirt and net protection ring, fully split
- Effective aft seal protection against dirt, fishing nets and lines
- For seal size 125–1060; larger sizes on request
- Positioned in front of first sealing ring
- For all Simplex seal generations
- For new-build and retrofit; sufficient installation length provided



## Advantages

### Design

Protective ring made from polyurethane

- Resistant to hydrolysis
- Abrasion-resistant
- Low friction

Spring made from nickel-based alloy

- Extremely robust
- No corrosion

### Installation

- New-build: already mounted on to the seal
- Retrofit: can be mounted in situ, thanks to a fully split design

### Operation

- As part of the aft seal housing, an outer ring covers the protection ring
- The protection ring is secured with a spring and rotates with the liner
- An infiltrating fishing net or line will cause a clamping effect of the inner protection ring against the outer cover ring and thereby prevents further penetration into the seal

### Service

- Scheduled maintenance of the net protector is undertaken during each dry dock service of the aft seal, thereby avoiding any disruption to normal operation

# Simplex Net pick-up

## General description

- Net collecting ring, fully split
- Prevents nets and fishing lines from entering the aft seal
- For seal sizes 125–1060; larger sizes on request
- Complementary component to the aft seal
- For all Simplex seal types
- For new-build and retrofit; sufficient installation length provided



## Advantages

### Installation

- The net pick-up can be simply mounted on to the propeller, thanks to a fully split design

### Operation

- The net pick-up turns with the propeller. It is covered by the rope guard of the aft seal
- If a net or line is picked up, it will be wound on, and in doing so, will close the gap between the net pick-up ring and the rope guard. It will thus prevent further penetration of the net into the seal
- The net will be removed with the next service

### Service

- Any net that has been picked up will be dealt with during the next dry dock service of the aft seal, thereby avoiding any disruption to normal operation

# Simplex Net cutter

## General description

- Net or line cutting knives fixed on to the rope guard or propeller
- Made from stainless steel
- For all Simplex seal generations
- For new-build and retrofit



## Advantages


### Installation

- The net cutter knives are circular bolted or welded on to the rope guard or propeller

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### Operation

- Fishing lines or nets, which may rotate with the propeller, will be cut before they can enter the space between aft seal and rope guard

### Service

- The net cutters are inspected / replaced at every dry dock service

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PUB 43/P2 15808/1 EN - September 2015

