

MacGregor Soft Flaps

Noise-reduction flaps for ramps and ramp covers



At your service



MACGREGOR

Designed to perform with the sea

For decades, MacGregor has led the market in RoRo access solutions. To meet ever-changing market requirements and regulations, it is continuously developing new products. These include noise-reducing flaps for RoRo bow and stern ramps and ramp covers.

Starting point: addressing noise problems in ports

MacGregor bow and stern ramps ensure efficient cargo flow and quick turnarounds in port, however, the audible 'ka-dunk' sound – often amplified over water – generated as each wheel axle drives over the ramp is problematic, particularly to residents living nearby and off-duty crew.

Soft Flaps have been designed to address this issue, as well as larger environmental and governmental concerns surrounding noise emissions from port operations.

Technical advantages

- Major reduction in sound levels from cargo operations (virtually silent)
- Fatigue issues in welded steel flaps are eliminated
- Softer landing and reduced wear on quay
- Cost efficient upgrade on existing flaps
- Easy, cost-effective replacement if damaged
- Cost-effective upgrade when replacing old steel flaps
- Fits almost any RoRo ramp
- Fixed turn-key costs
- Standard documentation package included
- Manufactured, proven and tested by key operators to meet MacGregor original equipment manufacturer (OEM) standards

Soft Flap applications

- Bow and stern ramps
- Ramp covers and internal ramps
- Linkspans
- MacGregor and non-MacGregor products

Economical advantages

- Reduced wear and tear on ramps and ramp covers during cargo operations and manoeuvring
- Reduced wear and tear on quay
- Easy and cost-efficient replacement
- Available from all MacGregor logistics centres
- 24/7/365 support from MacGregor's global service network
- MacGregor warranty as standard

For further information and references, please contact your MacGregor Account Manager or send an email to: rorcc@macgregor.com



MacGregor shapes the offshore and marine industries by offering world-leading engineering solutions and services with a strong portfolio of MacGregor, Hatlapa, Porsgrunn, Pusnes and Triplex brands. Shipbuilders, owners and operators are able to optimise the lifetime profitability, safety, reliability and environmental sustainability of their operations by working in close cooperation with MacGregor.

MacGregor solutions and services for handling marine cargoes, vessel operations, offshore loads, crude/LNG transfer and offshore mooring are all *designed to perform with the sea*.

MacGregor is part of Cargotec. Cargotec's class B shares are quoted on NASDAQ OMX Helsinki Ltd.

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