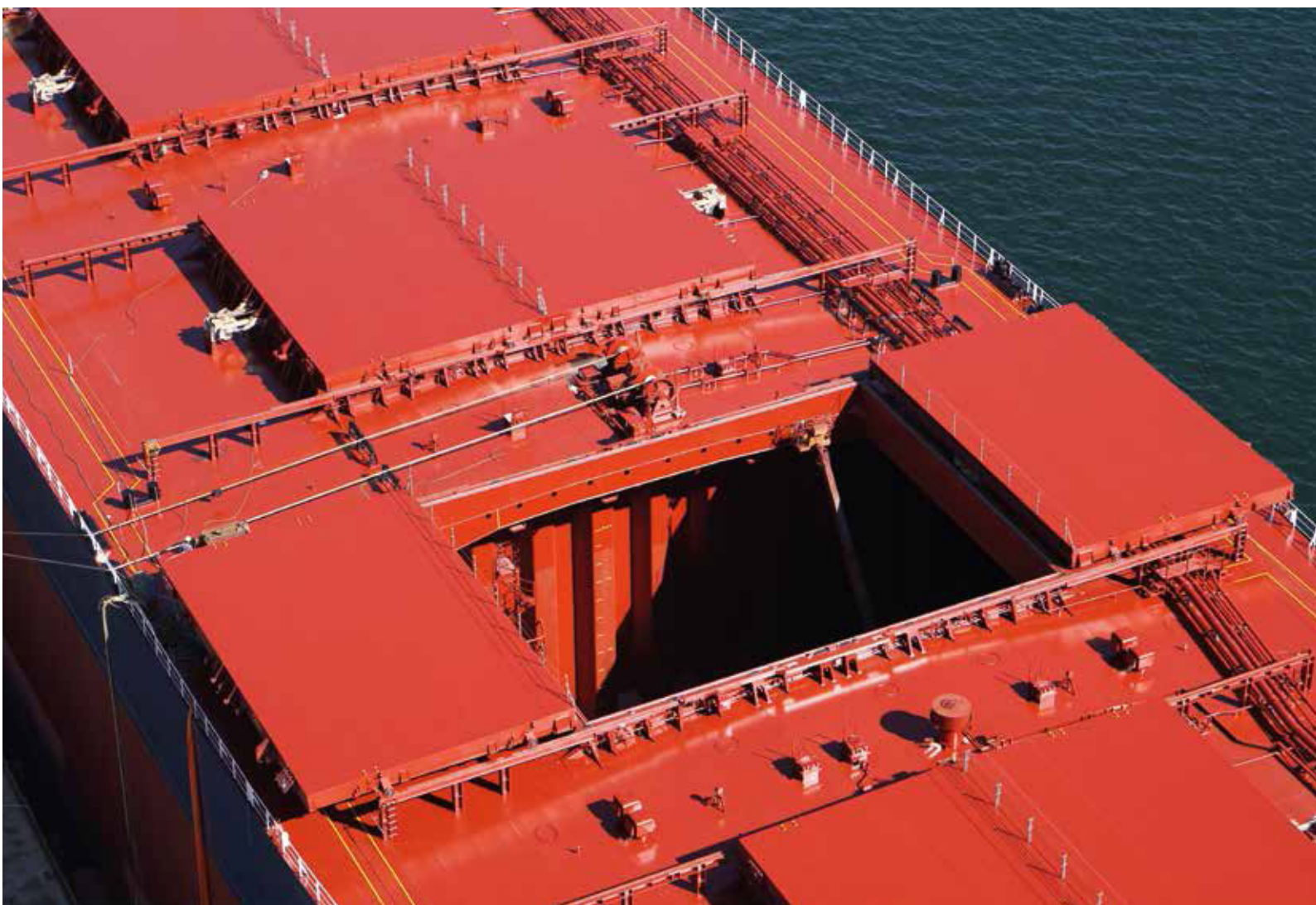


At your service

MACGREGOR



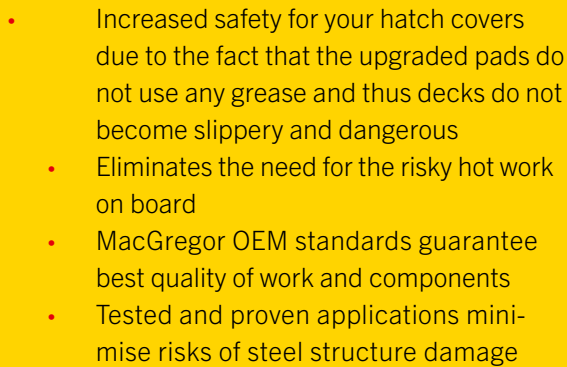
MacGregor hatch cover bearing pad upgrades

For all makes and models of hatch covers

Bearing pads are relatively small components, but play a critical role in structural performance. They transfer the weight of the cover and any cargo it may be carrying, to the ship's hull, while still allowing it to flex in a seaway. Therefore, their replacement must be carefully considered. MacGregor provides bearing pad upgrades for all major makes and models of hatch covers.

When more than a like-for-like exchange is needed, hatch covers themselves can be upgraded from having old steel-to-steel 'pad' fittings to our replaceable bearing pad systems. This can prove to be a very cost-effective option, eliminating continuous repairs and repeated component changes.

Our bearing pad upgrades deliver a long service life. We have solutions suit container vessels, bulk carriers and general cargo ships.

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- Increased safety for your hatch covers due to the fact that the upgraded pads do not use any grease and thus decks do not become slippery and dangerous
 - Eliminates the need for the risky hot work on board
 - MacGregor OEM standards guarantee best quality of work and components
 - Tested and proven applications minimise risks of steel structure damage

Advantages of bearing pad upgrades

- Prolonged sealing lifetime
- Enhanced weathertightness
- Increased safety for your hatch cover equipment
- Eliminates the need for hot work
- Reduced onboard noise (no-steel-on-steel scratching)
- Less environmental impact
- Reduced need for time-consuming and costly maintenance and repairs
- Easy replacement of bolt-on components whenever needed
- Minimise risk of steel structure damage

MacGregor bearing pad upgrades include

- Pre-project inspection (assessment)
- Engineering and procurement
- Class-approval documentation
- Installation drawings and instructions
- Bearing pads, seals and consumable spare parts
- Installation, supervision and commissioning

Unique benefits of MacGregor modernisations

- All work and components comply with the highest MacGregor original equipment manufacturer standards
- Delivered with a MacGregor guarantee
- Tested and proven applications
- 24/7 support from MacGregor's service network

Other hatch cover modernisations offered by MacGregor

- Payload calculations for bulk carriers
- Cement/grain hatches for existing covers
- Ventilators for existing hatch covers
- Control stand modernisations, including remote control
- Customer-defined projects
- Retrofits, conversions, overhauls and maintenance

Bearing pad modernisations are available globally and carried out by MacGregor hatch cover specialists. For further information, please contact your MacGregor account manager.