

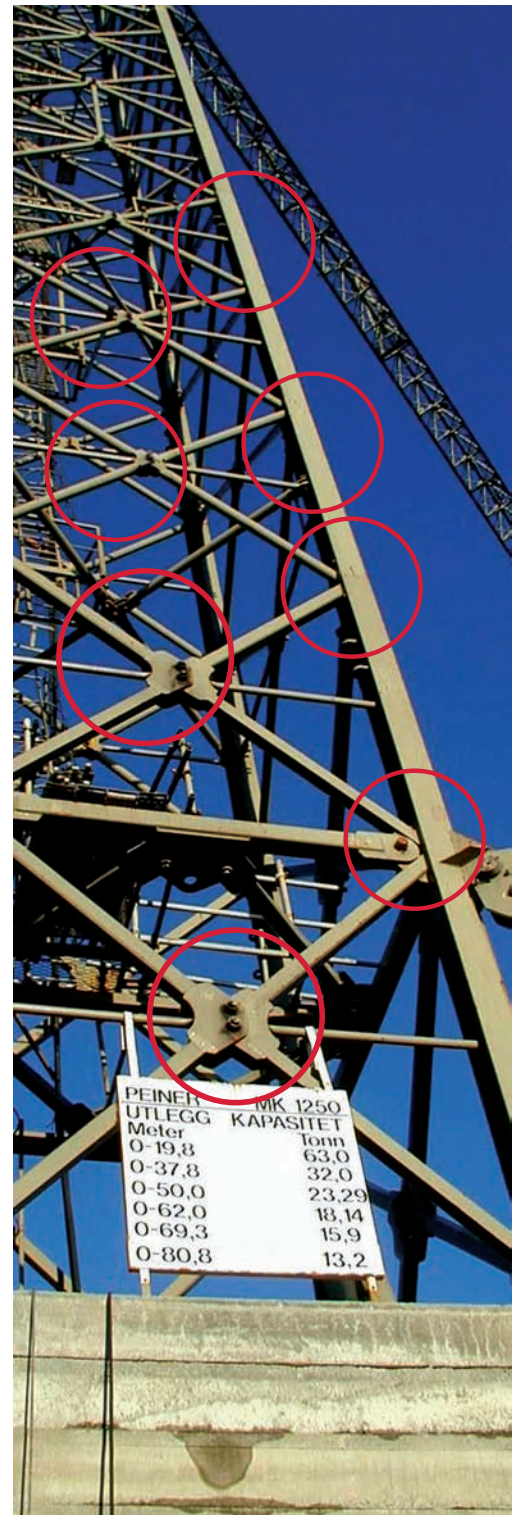
Cranes and hoisting equipment

Bondura® bolts are installed as original bolts by several crane producers. Cranes with bolts in sizes from Ø100 mm to Ø360 mm are in use on rigs and ships that are in operation around the world. Bondura® enhances the quality of the crane.

When using spherical bearings in bolt connections, the inner bearing ring must be fixed to the bolt. Then the bearing slides between the inner and outer bearing rings; this position is perfect for the Bondura® 66.66.

Play in the joining bolts quickly result in excessive fluctuation in vertical positioning in the drilling phase. If cylindrical pins are replaced with Bondura® bolts, both the assembly and removal of the drilling derrick are becoming simpler, while unwanted play are being eliminated.

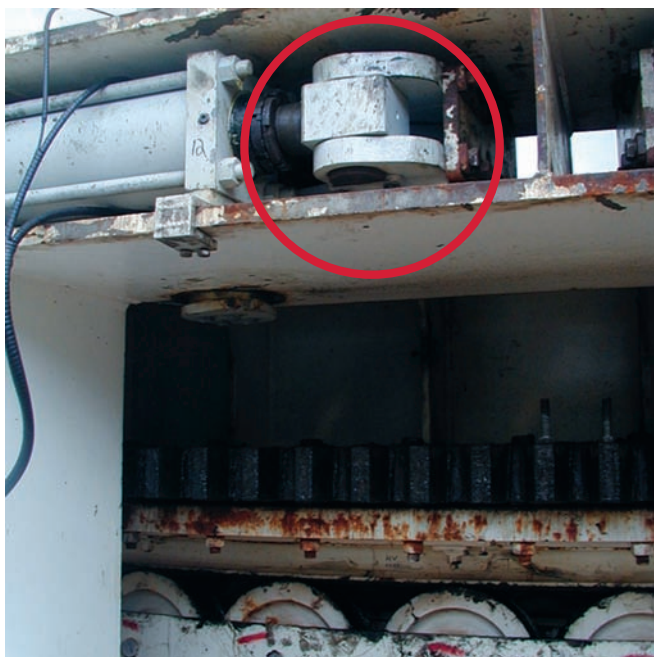
The Peiner crane to the right had 450 bolt connections installed to repair play. A cost saving of 60 % compared with a replacement of supports and original pins.



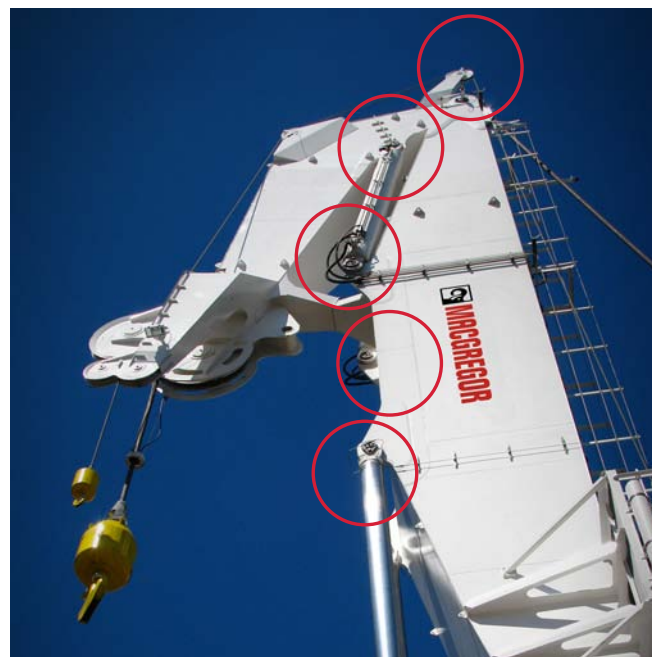
Certification

Bondura® is a patented product as well as «Type Approved» by Det Norske Veritas. The product has been classified as «Proven Technology» within the offshore-, construction- and industry-business since 1994.





Petrojarl Varg FSOP



Cargotec supplies advanced MacGregor offshore cranes with Bondura® bolts.

Time-saving

Using Bondura® bolts reduces the risk of shutdown as a result of acute repairs, or during planned servicing and certification of equipment.

When new equipment has been supplied, there will often be a certain amount of service and product improvements that fall within the warranty period. This may also apply to bolt play, or that bolts must be removed in order to disassemble the equipment. With Bondura®, bolt play is avoided and

labour costs and time are saved during disassembly.

Large spherical bearing create major challenges in connection with installing the necessary tight fits. Petrojarl Varg FSOP replaced pins with Bondura® bolts in the turret to absorb play and prevent bearing damage in these high-load positions.

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