



GN ROPE FITTINGS BV (891227)
TRANSPORTWEG 47,
2421 LT NIEUWKOOP,
NETHERLANDS

Reference: NV/SR T1619387
Project Number: 2967413
Certificate no: QA-3283897

ATTN: Mr. Marc van den Broek

Renewal Offshore Mooring Chain Manufacturer Facility and Process Approval
ABS Approval of GN ROPE FITTINGS BV, NIEUWKOOP, NETHERLANDS
to produce Offshore Mooring Accessories

We have the ABS plant survey report RO3283897 dated 13 February 2017 for your facility along with your submittals together with enclosures relative to the subject. With regard thereto we advise that GN ROPE FITTINGS BV, NIEUWKOOP, NETHERLANDS is considered approved to produce Offshore Mooring Accessories to the requirements of *ABS Guide for Offshore Mooring Chain (2009, updated 2014)* and *ABS Materials & Welding Rules Part 2 (2016)* as outlined herein, provided the Rules are adhered to in all respects and all production, testing and inspection are to the satisfaction of the attending ABS Surveyor.

Repair by welding of forged or rolled Offshore Mooring Accessories is not permitted.

The manufacturer and QA approval subject to quarterly audits and will expire on 20 February 2022. Please note it is the responsibility of the facility to inform ABS of any changes to the manufacturing parameters, to request quarterly audits and renewal of approval prior to the five year expiry date. Our invoice to cover the costs of the technical review is subject to a separate correspondence.

An electronic copy of the drawings, appropriately stamped, is available through the ABS Eagle Construct Engineering Manager (O2E) Web portal. If you need to contact ABS regarding this review please email Nikolaos Vrellos at nvrellos@eagle.org.

Very truly yours

Stefano Penco
Vice President of Engineering,
ABS Europe Ltd.

Nikolaos Vrellos
Principal Engineer, Materials
London Offshore Engineering Department

CC: ABS Rotterdam
EC: ABS Houston Materials



<u>Product</u>	<u>Grade</u>	<u>Maximum Thickness</u>	<u>Heat Treatment Facility</u>	<u>Delivery Condition</u>	<u>Additional Information</u>	<u>Steel Bar Manufacturer</u>	<u>Marking</u>
Accessory - H-Links, Shackles & Special Links	R4	220 mm	STAALHARDERIJ DOMINIAL (441623)	Quench & Tempered (QT)	Accessories can be connected to R3, R3S, R4, and R4S, chain links. Attention is to be paid to the difference in hardness between adjoining grades.	SIDENOR ACEROS ESPECIALES, S.L., REINOSA, SPAIN	AB/R4
Accessory - H-Links, Shackles & Special Links	R4	220 mm	STAALHARDERIJ DOMINIAL (441623)	Quench & Tempered (QT)	Hooks can be connected to R3, R3S, R4, and R4S, chain links. Attention is to be paid to the difference in hardness between adjoining grades.	TATA STEEL UK LIMITED, STOCKSBRIDGE, SHEFFIELD, UNITED KINGDOM	AB/R4

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Drawing List

Engineering Office:	London Engineering Department	
Submitter:	GN ROPE FITTINGS BV (891227)	
Drawing No	Revision No	Drawing Title
Correspondence	-	Request for Renewal
Correspondence	-	Email to Survey
Correspondence	-	Feedback from Survey
ABS Rvw ltr (GN Rope fitting)	-	Current Approval
DNV certificate 9001	-	ISO 9001
Certificates	-	Material Certificates
OMC QAPA RO3283897	-	QA System Audit
MC QAPP A RO3283897	-	QA Product Audit
Correspondence	-	Application Form