



Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	KATRADIS MARINE ROPES INDUSTRY S.A.
Address	11 Psaron & Anapafseos Str., Drapetsona, Piraeus, 186 48, Greece
Type	Mooring Ropes
Description	12 strands braided UHMWPE (23 – 62 mm)
Trade Name	Nika-Siri S12 RSB (Reduced Snap Back)
Application	Mooring Ropes
Specified Standard	OCIMF (MEG4) 4th edition 2018, appendix B8 API RP 2SM: Recommended Practice for Design, Manufacture, Installation, and Maintenance of Synthetic Fibre Ropes for Offshore Mooring
Ratings	Diameter: 23 to 62 mm

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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Non-Metallics & Coatings Team - Senior Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group

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Additional Tests

Katradis RSB ropes employ a different approach to snap back reduction than that described by the CI-1502 test standard. Katradis RSB ropes do not employ a warning time, but instead at peak load there is a first break in which the load carrying elements of the rope are broken. The intact RSB member absorbs most of the released kinetic energy, thus minimizing the snap back effect. If the rope stretching continues the RSB member is broken at a later time and at a much lower load (less than 5% of LDBF) so this second break does not create a dangerous level of snap back effect.

The behaviour described above was validated using a proprietary Katradis test method under the supervision of LR instead of the CI-1502 test method.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document DAD2479028TA-02 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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