APPROVAL OF PRODUCT CERTIFICATE (PRODUKTSERTIFISERINGSBEVIS)

Approval of product, PRONO:
121.01

Issued, Bergen: 2021-08-09
Revised, Bergen: 2022-08-23

Van Beest B.V.

Industrieweg 6,
3361 HJ Sliedrecht

This is to certify that Van Beest B.V. can deliver certified construction parts to be used in moorings according to requirements in

NYTEK REGULATION

Specifications:
PRODUCT TYPE: Construction part for mooring - Shackle.
PRODUCT NAME: Green Pin® Fishing Dee Shackle FP DSP, Green Pin® Bow Shackle BN, Green Pin® Mooring Bow Shackles NS9415 BN
SCOPE OF CERTIFICATION: The certified construction parts are defined in scope list on page 2 of this Approval of Production Certificate. Only DNV - Business Assurance can revise the scope of the list.
STANDARD USED: NS-EN 9415:2009 - Marine fish farms - Requirements for site survey, risk analyses, design, dimensioning, production, installation and operation
PRODUCT CERTIFICATION SCHEME: Type 5 in accordance with ISO/IEC 17067:2013.
RELIABILITY CLASS: 2 – In accordance with NS-EN 1990:2002+NA:2008.
CRITERIA FOR VALIDITY: It is the supplier's responsibility to comply with requirements of relevant product standard for the component.

A Product Certificate shall be issued to the customer together with the construction part. All construction parts and all documentation shall be traceable.

This Approval of Production Certificate will be valid as long as the performance of the construction part authorized in this document is not changed.

DNV - Business Assurance is accredited by Norwegian Accreditation as certification body PROD 013 for products regarding the NS 9415, the NYTEK regulation and guidelines for product certification according to requirements in NS-EN ISO/IEC 17065 and NS-EN ISO/IEC 17067.

Place and date:
Bergen, 2022-08-23

Lead auditor

NORSK AKKREDITERING
PROD 013

For accredited body:
DNV - Business Assurance
Thormøhlensgate 49A, 5006 Bergen

Controller

Approval of product, Prono: 121.01
Place and date: Bergen 2022-08-23
Rev.: 2

Attachment to certificate

Scope of certification for construction parts to mooring lines: Shackle

Product name	Product code	Dim.	MBL	Product standard	Approval date
Green Pin Fishing Dee Shackle FP DSP	G-4139	13,5 mm 16 mm 19 mm 22 mm 25 mm	14 t 22,75 t 33,25 t 45,5 t 59,5 t	NS-EN 9415:2009	2021-07-26
Green Pin Bow Shackle BN, HDG	G-4163BG	13,5 mm 16 mm 19 mm 22 mm 25 mm 28 mm 32 mm 35 mm 38 mm 45 mm	12 t 19,5 t 28,5 t 39 t 51 t 57 t 72 t 81 t 102 t 150 t	NS-EN 9415:2009	2022-08-23
Green Pin Mooring Bow Shackles NS9415 BN	G-4863	19 mm 22 mm 28 mm 32 mm 42 mm 45 mm	30 t 40 t 60 t 90 t 110 t 150 t	NS-EN 9415:2009	2022-08-23

Violations of the conditions set out in the certification agreement may render this certificate invalid.
ACCREDITED BODY: DNV - Business Assurance Norway AS, Veritasveien 1, P.O. Box 300, 1322 Høvik, Norway. Tel: +47 67 57 99 00. assurance.dnv.com