Huidige uitgiftedatum:	20 oktober 2020	Originele uitgiftedatum:
Vervaldatum:	19 oktober 2023	VCA* - 20 oktober 2011
Certificaatnummer:	10281153	
Nacecode:	C.33.11, C.33.12, C.33.29	

Certificaat

Hiermede wordt verklaard dat het veiligheidsmanagementsysteem van:

De Ruiter Staalkabel B.V.

Kerkeplaat 10, 3313 LC Dordrecht, Nederland

door Lloyd's Register is goedgekeurd voor de volgende norm(en):

VGM Checklist Aannemers (VCA*) Rev. 2017/6.0

Goedkeuringsnummer: VCA* – 0016888

Dit certificaat is geldig voor de volgende scope:

Het installeren, inspecteren, repareren, en testen van staalkabels, hijs- en hefmaterialen en scheepstuigages voor industrie en overslagbedrijven.

Paul Graaf

Area Operations Manager North Europe

Issued by: Lloyd's Register Nederland B.V.

MGMT. SYS. RvA C 010

Lloyd's Register Group Limited, its affiliates and subsidiaries, including Lloyd's Register Quality Assurance Limited (LRQA), and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.
Issued by: Lloyd's Register Nederland B.V., K.P. van der Mandelelaan 41a, 3062 MB Rotterdam, Netherlands

Lloyd's Register

Current issue date: 1 July 2021
Expiry date: 30 June 2024
Certificate identity number: 10359286

Original approval(s):
ISO 9001 - 15 June 2000

Certificate of Approval

This is to certify that the Management System of:

De Ruiter Staalkabel B.V.

Kerkeplaat 10, 3313 LC Dordrecht, The Netherlands

has been approved by Lloyd's Register to the following standards:

ISO 9001:2015

Approval number(s): ISO 9001 – 0016887

The scope of this approval is applicable to:

Stock keeping, assembly, inspection, repair and testing and certification of hoisting equipment and ship's rigging. Delivery and installation of steel wire ropes for all kinds of lifting cranes, bridges, sluices, shipping, cargo handling and industrial companies.

Paul Graaf

Chief Operating Officer, Management Systems, MSIS

Issued by: Lloyd's Register Nederland B.V.

MGMT. SYS.
RvA C 010

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Issued by: Lloyd's Register Nederland B.V., K.P. van der Mandelelaan 41a, 3062 MB Rotterdam, The Netherlands

Lifting Equipment Engineers Association

Certificate of Membership 2022

We hereby certify that

De Ruiter Staalkabel B.V
The Netherlands

having been audited in accordance with the Association's technical audit procedure specified in document reference LEEA 042 has been admitted as a

Full Member

for the location(s) and scope of work detailed in the schedule bearing the same number as this certificate

Certificate Number
6009

For and on behalf of LEEA
Chair

Chief Executive

Date of Certificate – 28th October 2022

Date of expiry of Certificate – 31st May 2023

This certificate is the property of the Association and shall be returned on demand. It is not issued under, in pursuance or by virtue of any statutory or Government sanction but by the authority of the Association only. It is valid only in the country listed above.

CERTIFICAAT

UITGEREIKT AAN

De Ruiter Staalkabel BV
Kerkeplaat 10, 3313 LC Dordrecht, NEDERLAND

De Vereniging Erkende Keurbedrijven Hijs- & hefmiddelen verklaart dat het keursysteem van bovengenoemd bedrijf door de EKH-auditor in overeenstemming is bevonden met de hieronder beschreven documenten en dat daarnaast het kwaliteitssysteem beoordeeld is door Lloyd's Register Nederland B.V.

EKH – Checklist versie 2020/15

Werkvoorschriften voor onder de haak, revisie 18

Toepassingsgebied

Het nieuw leveren, beproeven, herbeproeven, inspecteren, keuren en repareren van hijs- & hefmiddelen.

De werkzaamheden worden uitgevoerd onder toezicht van een gecertificeerd vakbekwaam persoon.

Auditdatum: 3 juni 2022

Behoudens de voortdurende en bevredigende werking van het kwaliteitssysteem van het bedrijf is dit certificaat geldig tot: 30 juni 2023

Afgiftedatum: 4 juli 2022

Voor de EKH:

Certificaat Nr: 22.26o

Secretaris

DNV·GL

Certificate No:
TAS000023H

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Lifting set for Offshore containers

with type designation(s)
Wire Rope Slings for Offshore Containers

Issued to
De Ruiter Staalkabel B.V.
Dordrecht, Zuid-Holland, Netherlands

is found to comply with
DNV GL standard DNVGL-ST-E271 – 2.7-1 Offshore containers, August 2017
ISO 10855-2:2018 Offshore containers and associated liftings sets – Part 2: Design, manufacture and testing of lifting sets
EN 13414-1 Wire rope slings
IMO/MSC Circular 860

Application :

1, 2, 3 and 4 leg lifting sets, with forerunner where fitted, for lifting of:
- Offshore Containers, with Maximum Gross Mass 0 to 25000 kg.

Issued at **Aberdeen** on **2019-07-12**
This Certificate is valid until **2024-07-11**.
DNV GL local station: **Rotterdam**

Approval Engineer: **Ronald Quiballo**

for **DNV GL**

Elisabeth Legg
Principal Engineer

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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Job Id: **262.1-030950-1**
Certificate No: **TAS000023H**

Product description

The Type Approval Certificate covers wire rope lifting sets assembled with turnback and flemish eyes by De Ruiter Staalkabel B.V, in accordance with DNVGL-ST-E271

The wire rope lifting sets assembled by De Ruiter Staalkabel B.V consist of components from the following sub suppliers:

Component	**Sub supplier** *(DNV GL to be informed and review new sub suppliers)*	**DNV GL TAC number**
Master link & quad assembly	Scaw South Africa (Pty) Limited – McKinnon Chain Kjættingfabriken AS Gunnebo Industrier AB Crosby Group LLC	TAS000013Z TAS0000047 TAS00000TE TAS00001D6 S-7895
Wire rope [1)]	Usha Martin Ltd. ZDB Dratovna AS Vornbaumen Stahlseile GmbH & Co. KG	N/A
Shackles [2)]	Van Beest BV Gunnebo Anja Industrier AS Crosby Group LLC	TAS000011V TAS00001B8 TAS00000HA
Ferrules [3)]	Sahm Splice GmbH Crosby Group LLC Wirop Europe GmbH	N/A
Thimbles [4)]	GN Rope Fittings BV Van Beest BV	N/A

1) Wire ropes used in fore runner and bottom legs of lifting sets shall be 6-stranded and of type 6x19 or 6x36 and may be fibre cored or steel cored, with wire rope grades 1770 N/mm^2 or 1960 N/mm^2, in accordance to EN 12385, or equivalent.
2) Shackles are only considered part of the lifting set if captive (i.e. can not be removed after assembly of lifting set).
3) Ferrules/sleeves shall be in accordance with EN 13411-3, or equivalent.
4) Thimbles shall be in accordance with EN 13411-1, or equivalent.

Components should be delivered with the following certificates:

- Master Links, Quad assemblies and Shackles: Certificates based on DNV GL Type Approval.
- Wire Ropes: To be supplied with traceable material certificates in accordance with EN 10204, inspection certificate, type 3.1.
- Thimbles and ferrules: To be supplied with a material certificate in accordance with EN 10204, test report, type 2.2.

Application/Limitation

For each delivered drum of wire rope, a test leg with one eye in each end shall be prepared and tested to breaking. A reference should be made to the wire drum test report in each sling set certificate where that wire is used.

All production testing should be done in accordance with De Ruiter Staalkabel B.V internal procedures, to be agreed with the local DNV GL office.

The manufacturer shall issue product certificates in accordance with DNV GL-ST-E271 Section 8.5, using the De Ruiter Staalkabel B.V form WI.5.0 Rev. 1 "Certificate for Offshore Container Lifting Sling DNVGL-ST-E271". This certificate form is only to be used for lifting sets certified in accordance with this Type Approval Certificate.

The WLL to be referenced in certificates and marked on lifting sets shall be the maximum working load limit (WLL) of the lifting set, as per the definition in DNVGL-ST-E271.

Lifting sets shall be assembled in accordance with the strength requirements described in DNVGL-ST-E271 Section 8. The angle of the sling legs from vertical should be taken into account when choosing slings. This angle should normally be 45°, but smaller angles may be used.

Special lifting sets, assembled in accordance with the principles described in DNVGL-ST-E271 Section 8 and Appendix E, are also covered by this Type Approval. If unsymmetrical slings are to be assembled, the local DNV GL office shall be contacted to review each case, unless otherwise agreed in advance.

Note: The sling leg is not necessarily the weakest part of the lifting set. Master Link assemblies selected for lifting sets with legs at 45° may not be suitable for lifting sets with a smaller angle.

Type Approval documentation

Tests carried out
Prototype breaking load test of assembled wire rope sling leg.

Marking of product
For lifting sets manufactured in accordance with DNVGL-ST-E271: refer to Section 8.

Periodical assessment
In order to maintain the validity of the type approval certificate, periodical assessments should be carried out every 6 months.

END OF CERTIFICATE