

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Offshore Container**

with type designation(s)

**Support Frame Cradle - 4100 000 526,
Support Frame Cradle - 4100 000 737,
Support Frame Cradle - 4100 001 175,
Support Frame Cradle - 4100 001 259**

Issued to

**Viereck & Co. (GmbH & Co. KG)
Elmshorn, Schleswig-Holstein, Germany**

is found to comply with

**DNV GL standard DNVGL-ST-E271 – 2.7-1 Offshore containers, August 2017
ISO 10855:2018 Offshore containers and associated liftings sets – Design, manufacture,
testing, inspection and marking
IMO/MSC Circular 860****Application :**

Type	Maximum gross mass (kg)	Maximum payload (kg)	Maximum sling leg angle	Enhancement factor
Support Frame Cradle - 4100 000 526	1850	600	45	n/a
Support Frame Cradle - 4100 000 737	2400	600	45	3.004
Support Frame Cradle - 4100 001 175	2400	600	45	3.004
Support Frame Cradle - 4100 001 259	3800	500	45	2.285

Issued at **Aberdeen** on **2020-03-26**This Certificate is valid until **2025-03-25** .for **DNV GL**DNV GL local unit: **Hamburg**Approval Engineer: **Elisabeth Legg**

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Satya Shyamala Kuppili
Delivery Lead - Containers

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.



Job Id: **262.1-003065-11**
Certificate No: **TAS00002FR**

Manufactured by

DNV GL CIM No.: 0111996

Local DNV GL Office: Magdeburg

Responsibility

Viereck & Co. (GmbH & Co. KG) takes full responsibility that both design and production are in compliance with the Rules, Standards and/or Regulations listed on page 1 of this Type Approval Certificate.

Product description

This type approval replaces TAS000005R.

Type	Maximum external dimensions (L x W x H)	Tare mass
Support Frame Cradle - 4100 000 526	1730 x 910 x 1782 mm	1250 kg
Support Frame Cradle - 4100 000 737	1800 x 1400 x 1902 mm	1800 kg
Support Frame Cradle - 4100 001 175	1800 x 1400 x 1902 mm	1800 kg
Support Frame Cradle - 4100 001 259	2150 x 1770 x 2220 mm	3300 kg

Application/Limitation

Type	Design temperature	Minimum shackle pin diameter
Support Frame Cradle - 4100 000 526	-40 °C	21.4 mm
Support Frame Cradle - 4100 000 737	-20 °C	21.3 mm
Support Frame Cradle - 4100 001 175	-40 °C	21.3 mm
Support Frame Cradle - 4100 001 259	-40 °C	21.3 mm

The DNV GL surveyor shall witness all important production and testing events and issue a certificate for each container. The certificate is only valid when the container is fitted with a DNVGL-ST-E271 certified lifting set.

Type Approval documentation



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Tests carried out

Prototypes tested in accordance with DNVGL-ST-E271.

Marking of product

Each container to be marked in accordance with DNV GL / ISO requirements, including:

- Data and inspection plates
- DNV GL emblem for offshore containers
- VL mark to be hard stamped on the data plate
- Manufacturer's Serial Number to be welded on frame.

Periodical assessment

In order to maintain the validity of the type approval certificate, periodical assessments should be carried out according to DNVGL-SE-0284 at 2 and 3.5 year intervals. Periodical assessments will, when possible, be harmonised with other surveys and audits carried out.

END OF CERTIFICATE