

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Offshore Container

with type designation(s)
20ft Offshore Frame

Issued to

Modex AS
Bryne, Norway

is found to comply with

DNV GL standard DNVGL-ST-E271 – 2.7-1 Offshore containers, January 2021

ISO 10855:2018 Offshore containers and associated liftings sets – Design, manufacture, testing, inspection and marking

IMO/MSC Circular 860

Application :

Max. gross mass (kg)	16700
Max. payload (kg)	12000
Max. sling leg angle	45
Enhancement factor	1.235

Issued at **Aberdeen** on **2021-07-21**

This Certificate is valid until **2026-07-20** .

DNV local unit: **Stavanger**

for **DNV**

Approval Engineer: **Yann Emeriau**

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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Manufactured by
DNV CIM No.: 134179*

*) The type approval will not become valid for this place of manufacture before they have built and tested a prototype

Responsibility

Modex AS takes full responsibility that both the design and production are in compliance with the Rules, Standards and / or Regulations listed on page 1.

Product description

Maximum external dimensions (LxWxH) : 6058 x 2438 x 2896 mm
Tare mass** : 4700 kg

**) Tare mass is to be confirmed by weighing. The sum of payload and tare shall never exceed the maximum gross mass stated on the front page of this certificate.

Application/Limitation

Design temperature : -20 °C
Minimum shackle pin diameter : 34.9 mm

The DNV 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.

It is noted that this container can be classed as an ISO freight container in accordance with International Convention for Safe Containers, 1972, CSC - 2014 edition. If this frame is to be used as a freight container and transported as such in international waters it should be approved accordingly by an approval organization body

Type Approval documentation

Tests carried out

Prototype tested in accordance with DNVGL-ST-E271.

Marking of product

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

- Data and inspection plates
- DNV emblem for offshore containers
- VL mark to be hard stamped on the data plate
- Manufacturer's Serial Number to be welded on frame
- Removable beams shall be marked with unit's serial number.
- Frame shall be stencilled with words to the effect of "removable beams shall be fitted during all lifting and transportation activities".

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