

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Offshore Container

with type designation(s)
20ft Boosters Frame
20ft Boosters Frame with removable top

Issued to

Modex AS
BRYNE, Norway

is found to comply with

DNV standard DNV-ST-E271 – 2.7-1 Offshore containers, January 2021 (Amended October 2021)
ISO 10855:2018 Offshore containers and associated liftings sets – Design, manufacture, testing, inspection and marking
IMO/MSC Circular 860
International Convention for Safe Containers, 1972 (CSC)

Application :

Type	Max. gross mass (kg)	Max. payload (kg)	Max. sling leg angle	Enhancement factor
20ft Boosters Frame	17000	12500	45	1.227
20ft Boosters Frame with removable top	17000	12400	45	1.227

Issued at **Aberdeen** on **2022-09-08**

This Certificate is valid until **2027-09-07** .

for **DNV**

DNV local unit: **Gdynia**

Approval Engineer: **Yann Emeriau**

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Satya Shyamala Kuppli
Team 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.

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.





Job Id: 262.1-038417-1
Certificate No: TAS00003HH

Product description

20ft Booster Frame.

Size code	: 25
Type code *	: G0
ISO designation	: 1CCC
Maximum external dimensions (LxWxH)	: 6058 x 2438 x 2591 mm
Stacking test load per corner	: 95923 kg
Transverse Racking Test Force	: 150 kN
Tare mass**	: 4500 kg 20ft frame 4600 kg 20ft frame with removable top

*) Type Code in accordance with ISO 6346:2022

**) Tare mass is to be confirmed by weighing and the sum of tare mass and payload shall never exceed the maximum gross mass stated on the front page of this certificate. Correct values shall be marked on the container and on the CSC Safety Approval plate.

Application/Limitation

CSC Approval reference number	: GB-DNV/1034/11/21
Allowable stacking weight for 1.8g	: 213360 kg
Design temperature	: -40 °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 DNV-ST-E271 certified lifting set.

Type Approval documentation

Tests carried out

Prototypes tested in accordance with DNV-ST-E271 and CSC.

Marking of product

Each container to be marked in accordance with DNV and CSC requirements, including:

- Data and inspection plates
- Size and Type Code, and relevant parts of ISO 6346
- DNV emblem for offshore containers
- NV 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 DNV-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