



Certificate No:
TAS0000351

TYPE APPROVAL CERTIFICATE

This is to certify:

That the offshore container

with type designation(s)
M3021 Electro-Hydraulic Power Unit Frame

Issued to
Forum US, Inc. dba DYNACON
Houston, TX, USA

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)	7258
Max. payload (kg)	0
Max. sling leg angle	30°
Enhancement factor	1.682

Issued at **Aberdeen** on **2021-09-20**

This Certificate is valid until **2026-09-19** .

DNV local unit: **Houston**

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.



Form code: TA 281

Revision: 2021-03

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Product description

This type approval certificate replaces TAS00000E0.

Maximum external dimensions (LxWxH) : 3048 x 1880 x 2908 mm
Tare mass* : 7258 kg

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

Application/Limitation

Design temperature : -20 °C
Minimum shackle bolt diameter : 22.6 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.

Type Approval documentation

Tests carried out

Prototype No. 982103-EHPU 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

Periodical assessment

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

END OF CERTIFICATE