

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Portable Offshore Units

with type designation(s)
Skid for Manifold FMF-GF

Issued to

Etudes et Productions Schlumberger
Clamart CEDEX, France

is found to comply with

DNV GL standard DNVGL-ST-E273 – 2.7-3 Portable offshore units, December 2016

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Max. gross mass (kg)	10000
Max. payload (kg)	9100
Max. sling leg angle	35

Issued at **Aberdeen** on **2018-02-27**

This Certificate is valid until **2023-02-26**.

DNV GL local station: **Paris**

for **DNV GL**

Approval Engineer: **Satya Shyamala Kuppili**

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Alex Doig
Head of Section

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: **262.1-028298-1**
Certificate No: **TAS00001D1**

Product description

Maximum external dimensions (LxWxH) : 3987 x 2438 x 1285 mm
Tare mass* : 900 kg
Type : B
Operational Class : R45

*) Tare mass is maximum tare mass of Skid only, it shall be confirmed by weighing and shall never exceed the maximum gross mass stated on the front page of this certificate. Equipment and associated mechanical components have not been included.

Application/Limitation

Shackle size : 6.5 t
Minimum design temperature : -20 °C

DNV GL surveyor to witness important production and test events and issue Form no. 49.01a "Certificate for Portable Offshore Unit" for each unit.

Type Approval documentation

Tests carried out

Prototype 722 strength tested according to DNVG-ST-E273.

Marking of product

Marking is to be carried out in accordance with to DNVG-ST-E273 Section 6.

Periodical assessment

For retention of the Type Approval, a DNV GL surveyor shall perform a survey every 2nd year and before the expiry date of this certificate to verify that the type approval is complied with.

END OF CERTIFICATE