

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Portable Offshore Units**

with type designation(s)
Ball Bin

Issued to

De Beers Marine Namibia
CAPE TOWN, Namibia

is found to comply with
DNVGL-ST-E273 Standard 2.7-3 Portable offshore units (2016)

Application :

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

Max. gross mass (kg)	1166
Max. payload (kg)	1000
Max. sling leg angle	35

Issued at **Aberdeen** on **2017-03-06**

This Certificate is valid until **2021-03-05**.

DNV GL local station: **Aberdeen**

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: **262.1-025473-1**
Certificate No: **TAS00000YD**

Manufactured by

Belmet Marine (PTY) Ltd.
Bellville, South Africa

DNV GL local station: Cape Town

Responsibility

The company to which this Type Approval Certificate has been issued 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)	: 1012 x 512 x 697.5 mm
Tare mass	: 166 kg
Type	: D
Operational Class	: R45

Application/Limitation

Shackle size	: 4.75 t
Minimum design temperature	: 0 °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.

This container is approved with a design temperature of 0°C. Ensure the container is clearly marked with words to the effect of "Only to be used in temperate climates".

Type Approval documentation

Tests carried out

Prototype BB-090 strength tested according to DNVGL-ST-E273.

Marking of product

Marking is to be carried out in accordance with to DNVGL-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