

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Offshore Container**with type designation(s)
Iron Rack

Issued to

Hans Shipping & Engineering Co. Ltd.
Busan, Korea

is found to comply with

DNV GL standard DNVGL-ST-E271 – 2.7-1 Offshore containers, August 2017
EN 12079 Offshore containers-Design, construction, testing, inspection and marking
IMO/MSC Circular 860**Application :**

Max. gross mass (kg)	1588
Max. payload (kg)	1044
Max. sling leg angle	20°
Enhancement factor	N/A

Issued at **Høvik** on **2018-04-06**This Certificate is valid until **2022-12-31**.for **DNV GL**DNV GL local station: **Gimhae Station**Approval Engineer: **Igor Antonijevic**

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Inger-Helene Hals
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.



Product description

This Type Approval Certificate replaces certificate S-7827.

Max. external dimensions (LxWxH) : 3030 x 610 x 1410 mm
Tare mass¹⁾ : 544 kg

¹⁾tare mass is to be confirmed by weighing. The sum of the tare mass and the payload shall never exceed Max. gross mass as stated on the front page of this certificate.

Application/Limitation

Design temperature : -40 °C
Min. shackle bolt diameter : 18.8 mm

DNV GL surveyor has to witness important production and test events and issue Form no. 71.08a "Certificate for Offshore Container" for each container.

Production strength tests (All point lifting) to be carried out according to DNV GL 2.7-1 and after agreement with the DNV GL surveyor.

The certificates are only valid when the containers are fitted with a lifting set certified according to DNV GL 2.7-1.

Type Approval documentation

Tests carried out

Prototype HIR130501 tested according to the requirements.

Marking of product

Each container to be marked with:

- Data plates and inspection plate according to DNV GL/EN requirements
- External marking according to DNV GL/EN requirements
- DNV GL decal for offshore containers
-  mark to be hard stamped on frame
- Manufacturer's Serial Number is to be welded on the frame

Periodical assessment

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

END OF CERTIFICATE