Certificate no.:
TAS000052H

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Lifting Gear

with type designation(s)
BG 1.40.C

issued to
Ropeblock B.V.
Oldenzaal, Overijssel, Netherlands

is found to comply with

DNV standard DNV-ST-0377 – Standard for shipboard lifting appliances

Application:

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

Issued at **Hamburg** on **2025-11-21**
This Certificate is valid until **2030-11-20**.
DNV local unit: **Netherlands CMC**

for **DNV**

Approval Engineer: **Stefan Heuer**

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 USD 300 000.

Product description

Swivel hook type BG 1.40.C

Application/Limitation

1. Working conditions:
- Design temperature: -20°C
- SWL: 1t
- Hoist load coefficient (psi) ≤ 1,3
- Load cycles: 250000
- Stress spectrum: medium (factor 0,5)

2. Material/ workmanship requirements:
The following minimum Charpy-V values shall be observed and be confirmed with material inspection certificates 3.1 (ISO 10474/ EN 10204):

Draw. No.	Description	Fabrication	Min. Charpy-V	Test temp.
01R.2,5.P.E.255.ZK	Hook	Forged	27J	-20°C
02.2,5.P.81110	Hooknut	Forged	27J	-20°C
03.60.36.4	Traverse	Rolled bar	34J	-20°C
16R.15.65.90.B	Studeye	Rolled plate	34J	-20°C
E171137.17	Body	Rolled or forged bar	27J	-20°C

NDT as per DNV-ST-0377, 11.5.8:
Welding studeye/ body: 100% Visual, 100% MP – ISO 5817 B

The hook shall be manufactured and tested according to the requirements of EN 13001-3-5:2016+A1:2021. NDT shall be done after load test by qualified personnel [EN 13001-3-5, 4.2.1], reports must be available upon request.

3. Comments:
- The construction shall be protected permanently against corrosion.
- Screws shall be secured against unscrewing (e.g. by tightening torque, liquid thread locker).

4. Product certification:
To obtain DNV Product Certificates, each lower block shall be (if not agreed otherwise with local station) subject to:
- DNV manufacturing survey
- Load test with LPstat: 2 x SWL

Type Approval documentation

Marking of product

Each swivel hook shall be marked by the manufacturer with at least:
- manufacturer´s name or trademark
- type of loose gear
- serial number
- year of construction
- nominal load(s) “SWL” in t or kg

Periodical assessment

This certificate is only valid if required periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in https://approvalfinder.dnv.com

END OF CERTIFICATE