



Certificate No:
TAS00004ZN

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Lifting Gear

with type designation(s)
Rocksteady lift tool (RSL700)

Issued to

Large Diameter Drilling Ltd
Woking, Surrey, United Kingdom

is found to comply with

DNV standard DNV-ST-0378 – Offshore and platform lifting appliances

Application :

Offshore cranes

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

Issued at **Høvik** on **2025-08-26**

This Certificate is valid until **2030-08-25**.

DNV local unit: **England & Wales FiS**

for **DNV**

Approval Engineer: **Andreas Sigvardsson**

Per Esvall
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.

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 251

Revision: 2022-12

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Product description

Rocksteady lift tool (RSL700):

SWL = 700 tonnes
DAF (dynamic factor) = 1.15
Maximum vertical load (including dynamic effects) = 805 tonnes
Maximum sling angle = $\pm 5^\circ$
Design temperature = -10 °C to +45°C
Maximum number of cycles = 10000 (at SWL)

Application/Limitation

1. This approval is limited to the following lifting tool parts: male body, mandrel, fingers and receptacle. Rest of GA drawings and reports / calculations are provided for information.
2. Hydraulic cylinders and components to be provided with works product certificates from the manufacturers.
3. It is the operator's responsibility to ensure having a positive visual indication of locking mechanism being fully engaged before any start of lifting.
4. All materials are to be delivered with 3.1 certificates, documenting mechanical properties and chemical composition in accordance with the DNV-ST-0378 Sec. 3.
5. Welds and NDT to be carried out by certified personnel and in accordance with DNV-ST-0378 Sec.3.
6. It is the responsibility of the holder of the certificate to ensure that both design and production are in compliance with rules, standards and/or regulations listed on page 1 of this type approval certificate.

Type Approval documentation

The following drawings have been submitted:

Tests to be carried out on each individual product

To obtain a CG3 certificate, each lifting tool shall be tested according to the DNV-ST-0378 Table 14-2 ($1.22 \cdot \text{SWL} + 20$ tonnes) and NDT to be carried out according to DNV-ST-0378 Sec.3. Hydraulic cylinders and components to be pressured tested and provided with works product certificates from the manufacturers.

Marking of product

Each lifting tool is to be marked according to DNV-ST-0378 Sec.14.5.

Certificate Retention Survey

For retention of the Type Approval, a DNV surveyor shall perform periodical assessment after two years (+/- 90 days) and after 3.5 years (+/- 90 days) to verify that the conditions for the approval are complied with. Reference is made to DNV-CP-0338.

END OF CERTIFICATE