



Certificate No:
TAS00002YE

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Winch - General Application

with type designation(s)
Umbilical winch with band brake and spooling device

Issued to
Ulmatec Handling Systems AS
HAREID, Norway

is found to comply with
DNV GL standard DNVGL-ST-0378 – Standard for offshore and platform lifting appliances

Application :

LARS for ROV

Issued at **Høvik** on **2021-03-25**

This Certificate is valid until **2026-03-24**.

for **DNV**

DNV local station: **Norway Fleet in Service, Mid-North**

Approval Engineer: **Antonio Sendin Alvarez**

Aldo Matteucci
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: 2021-03

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Page 1 of 2

Product description

Umbilical winch including band brake and spooling device

Categorization: LARS for ROV

SWL = 13.5 tonnes

Design dynamic factors = 2 (submerged), 3 (in air)

Maximum layers on drum = 12

Design temperature = -20 degree C

Umbilical diameter = 28 - 39.5 mm

Application/Limitation

1. All materials are to be delivered with 3.1 certificates, documenting mechanical properties and chemical composition in accordance with the DNVGL-ST-0378 Sec. 3
2. Welds and NDT to be carried out by certified personnel and in accordance to DNVGL-ST-0378 Sec.3
3. 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.
4. The approval scope is limited to the load-bearing parts of the umbilical winch, band brake and spooling device. Motors, HPU, gears, hydraulic brakes and systems are not covered by this approval.

Type Approval documentation

Tests to be carried out

In order to obtain a DNV Product Certificate, the winch shall be tested according to the DNVGL-ST-0378 Table 14-1 and NDT to be carried out according to DNVGL-ST-0378 Sec.3

Marking of product

Each winch is to be marked according to DNVGL-ST-0378 Sec.14.5.

Periodical assessment

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 DNVGL-CP-0338.

END OF CERTIFICATE