



Certificate no.:
TAS00004M9

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Gears

with type designation(s)
305 PZ, 712TW

issued to

Bonfiglioli Riduttori S.p.A.
Calderara di Reno BO, BO, Italy

is found to comply with

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

Application:

See next page

Issued at **Høvik** on **2025-02-14**

This Certificate is valid until **2030-02-13**.

DNV local unit: **Italy/Malta CMC**

for **DNV**

Approval Engineer: **Peder Bendik Møll**

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

Gear output shafts 305 PZ (with splines), and 712 TW (with pinion)

Application/Limitation

Output shafts are approved for use with Bonfiglioli Riduttori S.p.A. Gear Series 300 and 700T as approved in Type Approval Certificate TAS00002XX

Output shaft 305 PZ:

Output Torque [Nm]: 3684

Output Speed [rpm]: 10.4

Lifetime [h]: 200

Application factor Ka: 1

Output shaft housing to be supported at output end to take the full tangential load from the pinion.

Output shaft 712TW:

Output Torque [Nm]: 34362

Output Speed [rpm]: 1.8

Lifetime [h]: 2000

Application factor Ka: 1

Type Approval documentation

Marking of product

Each output shaft is to be marked with minimum:

- name of manufacturer
- type designation
- serial number

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 DNV-CP-0338.

Manufactured by:

1. Bonfiglioli Riduttori S.p.A.

Via E. Mattei 12 Z.I. Villa Selva,
47100, Forlì FC,
ITALY

2. Bonfiglioli Slovakia s.r.o.

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