

TYPE APPROVAL CERTIFICATE

Certificate No:
TAM00000TZ
Revision No:
1

This is to certify:

That the Clutch and Friction Brake Coupling for Shaft

with type designation(s)
19 KPT, 21 KPT, 24 KPT, 27 KPT, 29 KPT

Issued to

Transfluid S.p.A.
Gallarate, VA, Italy

is found to comply with

DNV rules for classification – Ships
DNV rules for classification – High speed and light craft

Application :

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

Issued at **Høvik** on **2023-01-19**

for **DNV**

This Certificate is valid until **2028-01-18**.

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

Approval Engineer: **Stanislav Avanesov**

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Oddvar Deinboll
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.



Product description

Drain type fluid coupling.

Application/Limitation

Fluid coupling used as power take-off for internal combustion engines, for marine propulsion and auxiliary applications

Type	Max. speed (rpm)	Max. Torque (Nm)
19 KPT	2600	1469
21 KPT	2200	2122
24 KPT	2200	2891
27 KPT	2100	5005
27 KPT	2000	5305
29 KPT	2300	7058

Type Approval documentation

Revised documentation received with the letter from Transfluid (Transfluid document number TF7391) and approved with our Job-Id.: 262.1-004838-5 on 2023-01-19.

Marking of product

The product to be marked with manufacturer's name or trademark and type number identification.

Periodical assessment

For retention of the Tape Approval, a DNV surveyor shall perform a survey after 2,5 and 3 years and before the expiry date of this certificate to verify that the conditions of the approval are complied with.

The objective of the Periodical Assessment is to verify that the conditions for the Type Approval are not altered since the Type Approval certificate was issued. The main scope of the Periodical Assessment will normally include:

- Verification of the Type Approval applicant's production and quality system with regard to ensuring continued consistent production of the Type Approved products and the Type Approval applicant's own premises and at other companies that are given the responsibility for manufacturing of the products.
- Review of the Type Approval documentation and that this is still used as basis for the production
- Review of possible changes to the design, the material and the performance of the product
- Verification of the product marking.

Other conditions

The approval does not cover the flexible coupling between engine and KPTU coupling.

END OF CERTIFICATE