DNV·GL

Certificate No:
TAM0000076

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Elastic Couplings

with type designation(s)
CENTAFLEX-R, CENTAFLEX-RF, CENTAFLEX-RV, CENTAFLEX-"HR" Roller, CENTAFLEX-"HD" Roller

Issued to
CENTA Antriebe Kirschey GmbH
Haan Nordrhein-Westfalen, Germany

is found to comply with
DNV GL rules for classification – Ships
DNV GL rules for classification – High speed and light craft

Application :

Products approved by this certificate are accepted for installation on all vessels classed by DNV GL.

This Certificate is valid until **2021-04-10**.

Issued at **Hamburg** on **2016-04-11**

for **DNV GL**

DNV GL local station: **Essen**

Approval Engineer: **Axel Albrecht**

Frank Lutz
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.

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Job Id: **262.1-010939-4**
Certificate No: **TAM0000076**

Product description

Highly flexible coupling

Application/Limitation

The coupling is approved for propulsion and auxiliary duty with data as mentioned in Data Sheet D26-003 rev. 15 for CF-R "HR" Roller, D026-029 Rev. 4 for CF-R "HD" Roller, D26-040 rev.4 for CF-RF, D026-043 Rev.3 for CF-RV and with the following limitations:

Permissible power loss for couplings in bell housing and/or at higher ambient temperatures than 30 ^{0} C to be calculated according to the following formulae:

$$P_{KV} = P_{KV30}\left(\frac{160 - t}{130}\right)$$ t : ambient temperature

Max. ambient temperature 130 ^{0} C.

Type Approval documentation
Tests carried out

Marking of product

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

Periodical assessment

For retention of the Type Approval, a DNV GL surveyor shall perform a survey every 2.5 years and before the expiry date of this certificate to verify that the conditions of the type approval are complied with.

Other conditions

The connection to driven side is not included in the approval and have to be approved in each separate case.
DNV GL product certificate is not required for couplings according DNV and the common DNV GL Rules for auxiliary duty with rating up to 500 kW and rated torque less than 5 kNm, where torsional vibration calculations are not required.

Note

The DNV GL Type Approval TAM0000076 is replacing the Type Approvals DNV M-12726 and GL 17446-01 HH

END OF CERTIFICATE