DNV·GL

Certificate No:
TAM00000J0

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Elastic Couplings

with type designation(s)
ROTEX

Issued to
KTR Systems GmbH
Rheine Nordrhein-Westfalen, Germany

is found to comply with
DNV GL rules for classification – Ships
DNV GL rules for classification – High speed and light craft
DNVGL-OS-D101 – Marine and machinery systems and equipment, Edition July 2015

Application :

Products approved by this certificate are accepted for installation on all vessels classed by DNV GL. The couplings are approved for auxiliary purpose not including reciprocating machinery as diesel engine or piston compressor, and with rating/technical data according to ROTEX company catalogue edition 04/2017 chapter ROTEX.

Issued at **Hamburg** on **2017-06-12**
This Certificate is valid until **2022-06-11**.
DNV GL local station: **Essen**

Approval Engineer: **Erich Rüde**

for **DNV GL**

Burkhard Lilienthal
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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Product description

Flexible rubber coupling.

Application/Limitation

The couplings are approved for auxiliary purpose not including reciprocating machinery as diesel engine or piston compressor, and with rating/technical data according to ROTEX company catalogue edition 04/2017 chapter ROTEX.
Production tolerance on torsional stiffness: ± 20%.
Technical data according to Technical Data, page 29 of catalogue edition 04/2017.
Permissible power loss P_{kW} given in the catalogue is valid for ambient temperature 30°C.
At higher ambient temperature a linear decrease to 0 at 100°C should be used.
Coupling hub material to be either nodular cast iron or steel.

Type Approval documentation
Tests carried out

Tests for coupling size 125:
Versuch Nr. 90200017-027, -024, -004, - 005, - 011, and –014
Tests for coupling size 160:
Versuch Nr. 90200017-051, -061 and -062

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 an assessment after 2 years and after 3.5 years to verify that the conditions of the type approval are complied with. A renewal assessment will be performed at renewal of the certificate.

In cases where the Type Approved product is manufactured at other companies, the Periodical Assessment shall verify that the Type Approval applicant has a quality control system for consistent production at their licensees/subcontractors. Furthermore Periodical Assessment shall be carried out randomly at these companies.

Other conditions

DNV GL product certificate is not required for auxiliary machinery installation with power ratings up to 500 kW and rated torque lessthan 5 kNm.

The type approval does not cover connection to external shaft.

This Type Approval Certificate TAM00000J0 is replacing following DNV Certificate:

- DNV Type Approval Certificate No. M-12342

END OF CERTIFICATE