



DNV

DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. M-10334
This Certificate consists of 2 pages

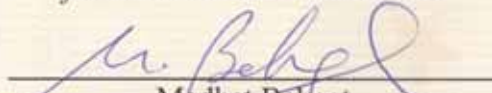
This is to certify that the
Shaft Coupling
with type designation
POLY-NORM

Manufactured by
KTR Kupplungstechnik GmbH
Rheine, Germany

is found to comply with
Det Norske Veritas' Rules for Classification of Ships

Application
The approval is valid for auxiliary duty for applications where torsional vibration calculations are not required.

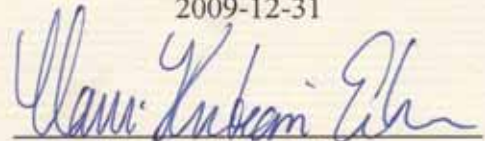
Place and date
Høvik, 2005-08-22
for DET NORSKE VERITAS AS


Medhat Bahgat
Head of Section



Local Office
DNV Essen

This Certificate is valid until
2009-12-31


Hans-Kristian Eriksen
Surveyor

Notice: 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.

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million in this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



Cert. No.: M-10334
File No.: 714.20

Product description

Torsionally flexible, shear type coupling.

Application/Limitation

The approval is valid for auxiliary duty for applications where torsional vibration calculations are not required. Selection of coupling size to be done according to KTR Company Catalogue 01/2005 page 44 to 50.

Type Approval documentation

Technical documentation KTR-N Ausgabe 09.06.05, received with letter from dnv Essen dated 2005-07-14.

Marking of product

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

Certificate retention survey

For retention of the Type Approval, DNV surveyor shall perform a survey every second year before expiry date of this certificate to verify that the conditions of the type approval is complied with.

END OF CERTIFICATE