



# DET NORSKE VERITAS

## TYPE APPROVAL CERTIFICATE

**CERTIFICATE NO. M-11303**  
This Certificate consists of 2 pages

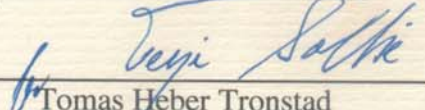
*This is to certify that the*  
**Shaft Coupling**  
*with type designation*  
**POLY-NORM**

*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.

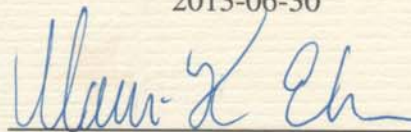
*Place and date*  
Høvik, 2009-09-25  
for DET NORSKE VERITAS AS

  
Tomas Heber Tronstad  
Head of Section



Local Office  
DNV Essen

*This Certificate is valid until*  
2013-06-30

  
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-11303  
File No.: 714.20  
Case No.: 262.1-007890

### **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 2009 page 47 to 55

### **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.

### **Other conditions**

DNV product certificate is not required for power ratings up to 500 kW or rated torque less than 5 kNm for auxiliary duty where torsional vibration calculations is not required.

The type approval does not cover connection to external shaft.

END OF CERTIFICATE