



DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. P-12593

This Certificate consists of 4 pages

This is to certify that the

Pipe Couplings, Bite and Compression Type

with type designation(s)

EXMAR Schneidring- and klemmring couplings

Manufactured by

EXMAR GmbH

OBER-MÖRLEN, Germany

is found to comply with

Det Norske Veritas' Rules for Classification of Ships

Det Norske Veritas' Standards for Certification 2.9 No. 5-792.20

Application

The couplings may be used for fuel, lubrication, hydraulic, fresh water, compressed air, sanitary, steam and condensate systems. Klemmring couplings are not allowed for fuel-, hydraulic- or lubrication oil, or for any system where pressure impulses occur.

Temperature range:	-40°C to +600°C (type dependant)
Max. working press.:	160 to 630 bar (size and type dependant)
Sizes:	6 to 42 mm

Place and date

Høvik, 2007-10-19

for DET NORSKE VERITAS AS

Hanne Anita Hjerpetjønn
Head of Section



Local Office
DNV Essen

This Certificate is valid until

2011-12-31

Øyvind Skåra
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.