

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00000CG
Revision No:
1

This is to certify:

That

**ERNE FITTINGS GmbH
SCHLINS, Austria**

is an approved manufacturer of
Steel Pipes and Fittings

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Products	Pipe Fittings
Steel type(s)	Pipes for Pressure Systems Pipes for Low-Temperature Service Boiler and Superheater Tubes
Process	Hot Forming Process
Dimensions	Max. Ø914 x 60 mm
Welding Method	not applicable
Remarks	See Particulars of the approval

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules. Materials to be applied to DNV GL classed object shall fulfill the material requirements in the applicable DNV GL class rules.

Issued at **Hamburg** on **2017-05-26**

This Certificate is valid until **2019-02-14**.

DNV GL local station: **Augsburg**

Approval Engineer: **Stefan Röhr**

for **DNV GL**

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Thorsten Lohmann
Head of Section



Job Id: **263.11-005594-1**
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Particulars of the approval

Connecting Elements and Fittings:

Grade	Product	Supply Condition	Wall Thickness [mm], max.	Diameter [mm], max.
P235TR2 acc. to EN 10253-2	RF	N	60	914
P265TR2 acc. to EN 10253-2	RF	N	60	914
P235GH acc. to EN 10253-2	RF	N	60	914
P265GH acc. to EN 10253-2	RF	N	60	914
16Mo3 acc. to EN 10253-2	RF	N	60	914
10CrMo5-5 acc. to EN 10253-2	RF	N+T, Q+T	60	914
13CrMo4-5 acc. to EN 10253-2	RF	N+T, Q+T	60	914
10CrMo9-10 acc. to EN 10253-2	RF	N+T, Q+T	60	914
P355N acc. to EN 10253-2	RF	N	60	914
P355NH acc. to EN 10253-2	RF	N	60	914
P355NL1 acc. to EN 10253-2	RF	N	60	914
P215NL acc. to EN 10253-2	RF	N	60	914
P265NL acc. to EN 10253-2	RF	N	60	914
WPA acc. to ASTM A234	RF	N	60	914
WPB acc. to ASTM A234	RF	N	60	914
WPC acc. to ASTM A234	RF	N	60	914
WP1 acc. to ASTM A234	RF	N	60	914
WP11 acc. to ASTM A234	RF	N+T, Q+T	60	914
WP12 acc. to ASTM A234	RF	N+T, Q+T	60	914
WP22 acc. to ASTM A234	RF	N+T, Q+T	60	914
WPHY42 acc. to ASTM A860	RF	N	60	914
WPHY46 acc. to ASTM A860	RF	N	60	914
WPHY52 acc. to ASTM A860	RF	N, Q+T	60	914
WPL6 acc. to ASTM A420	RF	N, Q+T	60	914
WPHY60, 65, 70 acc. to ASTM A860	RF	N, Q+T	60	914

RF: pipe fittings N: normalized or normalized formed N+T: normalized + tempered Q+T: quenched + tempered