



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate no.:
AMMM00000VJ
Revision No:
4

This is to certify:

that

Wilhelm Schulz GmbH
Kuhleshütte 111,
47809 Krefeld,
Germany

is an approved manufacturer of
Steel Pipes and Fittings

in accordance with

DNV rules for classification – Ships
DNV-OS-B101 – Metallic materials

and the following particulars:

Product	Fittings
Application area	Piping fittings
Steel/Material type	Carbon and carbon-manganese, Austenitic stainless, Ferritic-austenitic (Duplex) stainless, Ni-base alloys
Manufacturing method	Cold formed, seamless or welded
Max. outer diameter	See page 2
Max. wall thickness	See page 2
Heat treatment condition	See page 2

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 classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2025-10-21**

This Certificate is valid until **2028-07-31**.

DNV local unit: **Essen**

Approval Engineer: **Stefan Röhr**

for **DNV**



This document has been digitally signed and will
therefore not have handwritten signature

Martin Wenning

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

Particulars of the approval

Piping fittings

Steel type ²⁾	Manufacturing method ¹⁾	Max. outer diameter [mm]	Max. wall thickness [mm]	Heat treatment condition
C and C-Mn	CFS / EFW	1067	75	acc. to standard
Austenitic stainless	CFS / EFW	1067	75	acc. to standard
Ferritic-austenitic (Duplex) stainless	CFS / EFW	1067	75	acc. to standard
Ni-base alloys ³⁾	CFS / EFW	1067	75	acc. to standard

Remarks:

- 1) CFS: Cold finished seamless; EFW: Electric fusion welded
- 2) Suitable pipe fittings shall be selected from the following recognized standards: EN 10253, ASTM A234, ASTM A366, ASTM A403, ASTM A420, ASTM A744, ASTM A815, ASTM A960, ASTM A961, JIS B2312, JIS B2313 or JIS B2316
- 3) In case of order the next 3 DNV witnessed acceptance test reports for Class DNV certification of Ni-base alloy pipe fittings shall be forwarded to section M-SA-MW for filing and completion of documentation

Additional approval conditions

Non-destructive and destructive testing outsourced to approved companies/laboratories;
 Including austenitic stainless steel for approved low-temperature applications