



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00001YW
Revision No:
2

This is to certify:

That

ISOTUBI, S.L.

**P.I. Santa Rita c/ Mecánica,
6 08755 Castellbisbal, Barcelona,
Spain**

is an approved manufacturer of
Steel Pipes and Fittings

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Products	Pipes
Application area	Austenitic and ferritic-austenitic steel pipes
Steel type(s)	Austenitic stainless
Manufacturing method	Automatic TIG-welded
Max. outer diameter	See page 2
Max. wall thickness	See page 2
Heat treatment condition	See page 2
Additional approval conditions	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 **2021-08-17**

for **DNV**

This Certificate is valid until **2024-06-30**.

DNV local station: **Barcelona FIS**

Approval Engineer: **Christian Wildhagen**

Thorsten Lohmann
Head of Section

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Particulars of the approval

Austenitic stainless

Steel type /grade ³⁾	Manufacturing method ¹⁾	Max. outer diameter [mm]	Max. wall thickness [mm]	Heat treatment condition
Austenitic stainless	EFW	108	2	As welded ²⁾

Remarks:

- ¹⁾ EFW: electric fusion welded
- ²⁾ Starting material: Solution Heat Treated (solution annealing)
- ³⁾ Suitable pipe grades shall be selected from the following recognised standards:
ISO 9329 Part 4, ISO 9330 Part 6, EN 10216 Part 5, EN 10217 Part 7, ASTM A269, A312, A358, A789, A790, A928 and JIS G3459

Special conditions:

Including automatic ET testing in lieu of hydraulic testing according to relevant standard