

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Wire/Gas combination**with trade name
MEGAFIL 821 R / M21Manufacturer
ITW Welding GmbH
Altleiningen, Germanyis found to comply with
DNV GL rules for classification – Ships

with this approval

Grade	V Y46 MSH5
Current	DC +
Approved diameter	1,0 - 1,6mm
Positions	All, incl. vertical down
Remarks	

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.Issued at **Hamburg** on **2017-02-10**This Certificate is valid until **2021-06-30**.DNV GL local station: **Augsburg**for **DNV GL**Approval Engineer: **Dietmar Liebich**

Thorsten Lohmann
Head of Section

Any significant change in design or construction may render this Certificate invalid.

Form code: WELD 1421a

Revision: 2016-12

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