



Certificate No:  
**TAW0000543**

# TYPE APPROVAL CERTIFICATE

## This is to certify:

**That the Flux Cored Wire/Gas combination**

with trade name  
**HF-1M / M21**

Manufacturer  
**Xinxiang Heguang Technology Co. Ltd.**  
**Xinxiang, Henan, China**

is found to comply with  
**DNV rules for classification – Ships**  
**DNV class programme DNV-CP-0069 – Type approval – Welding consumables**

with this approval

<b>Grade</b>	<b>III Y40MS(H5)</b>
<b>Current</b>	<b>DC(+)</b>
<b>Approved diameter</b>	<b>1.2 mm - 1.6 mm</b>
<b>Positions</b>	<b>All, except vertical downwards</b>
<b>Remarks</b>	<b>Also for fillet welding</b>

**Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.**

Issued at **Hamburg** on **2021-11-29**

for **DNV**

This Certificate is valid until **2026-11-28**.

DNV local station: **Qingdao**

Approval Engineer: **Ludger Hachmöller**

**Thorsten Lohmann**  
**Head of Section**

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