



Certificate no.:
TAW00005XY

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Wire/Flux combination

with trade name
Lincolnweld L-61® (EM12K) / Lincolnweld 780®

Manufacturer
LINCOLN ELECTRIC DO BRASIL INDUSTRIA E COMERCIO LTDA
GUARULHOS, SP, Brazil

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

with this approval

Grade	II YTM
Current	DC(+)
Approved diameter	1.6 mm - 4.8 mm (1/16 in. - 3/16 in.)
Positions	Flat
Remarks	T: t≤20 mm Wire: Lincoln Electric Company, Cleveland, OH, USA

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

Issued at **Hamburg** on **2025-04-04**

This Certificate is valid until **2030-04-03**.

for **DNV**

DNV local unit: **Station Rio de Janeiro, NB/CMC/Approval**

Approval Engineer: **Ludger Hachmöller**

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

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