



Certificate No:
TAD00001J2

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Hoisting, Rotation and Pipehandling Equipment

with type designation(s)
Split adapter 75 ½" - 49 ½"

Issued to

MHWirth GmbH
Erkelenz, Nordrhein-Westfalen, Germany

is found to comply with
DNV-OS-E101 – Drilling facilities, Edition July 2021

Application :

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

Issued at **Høvik** on **2023-02-17**

This Certificate is valid until **2028-02-16**.

DNV local unit: **Essen**

for **DNV**

Approval Engineer: **Thomas Henrik Tranesen**

Per Esvall
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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 300,000 USD.



Product description

Split adapter for rotary table.

Reference standards

API Specification 7K, Drilling and Well Servicing Equipment, 6th ed. 2017

Application/Limitation

Minimum design temperature	-20°C
Max load rating	1500shT / 13350kN
Design life time	25 years

Type Approval documentation

Tests carried out

1. Each product is to be tested according to DNV-OS-E101 Ch.2 Sec.8 §4.1.
2. Charpy impact testing shall be performed in accordance with DNV-OS-E101 Ch.2 Sec.2.
3. Qualification of welders and qualification of welding procedures shall be in accordance with DNV-OS-E101 Ch.2 Sec.8 §2.

Marking of product

Each unit shall as a minimum be marked with:

- Component traceability
- Static load rating
- Manufacturers Name or Mark, make and model

Periodical assessment

For retention of the Type Approval, DNV's representative shall carry Product Audits in accordance with DNV-CP-0338. This is in order to verify that the conditions for the type approval are complied with, ref. DNV-CP-0338, DNV Type approval scheme.

END OF CERTIFICATE