



Certificate no.:
TAD00001RV

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Pipe Fitting

with type designation(s)

Double Studded Adapter, Adapter Flange, Union Adapter Sub, Union Blind Plug & Union Adapter Tee

issued to

A.S.A.P. Industries Manufacturing, LLC
Houma, LA, USA

is found to comply with

DNV-OS-E101 – Drilling facilities, Edition July 2024

DNV statutory interpretations DNV-SI-0166 – Verification for compliance with Norwegian shelf regulations, Edition July 2021

Application:

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

Issued at **Houston** on **2025-06-16**

This Certificate is valid until **2030-06-15**.

for **DNV**

DNV local unit: **Certification & Inspection Services**

Approval Engineer: **Xiangwen Maggie Wang**

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 USD 300 000.

Product description

- Union Blind Plug, 3" 1502 Female Thread Half
- Union Adapter Tee, 2" 1502 Female Thread Half Run W/ 2" 1502 Male Segment Nut Half
- Union Adapter Sub, 3" 1502 Regular Male Half X 2" 1502 Female Thread Half
- Union Adapter Sub, 3" 1502 Female Thread Half X 4" 206 Male Half
- Adapter Flange, 3 1/16" 15K X 3" 1502 Threaded Half
- Adapter Flange, 3 1/16" 15K X 3" 1502 Male Segment Nut Half
- Double Studded Adapter, 4 1/16" 10K X 3 1/16" 15K

Reference standards

- API 6A, *Specification for Wellhead and Tree Equipment*, 21st Edition
- API 16A, *Specification for Drill-through Equipment*, 4th Edition
- API 6X, *Design Calculations for Pressure-containing Equipment*, 2nd Edition

Application/Limitation

Design Parameter

Max. Working Pressure	2,000 psi; 10,000 psi; 15,000 psi
Shell Test Pressure	4,000 psi; 15,000 psi; 22,500 psi
Design Temperature	-20 °F to 250 °F
Material Class	EE; EE; AA
Product Specification Level	3
Service	Standard

Type Approval documentation

Tests carried out

Body (shell) Hydrostatic Pressure Testing, PS-101 Rev 3.

Pressure test chart recorder SN# 111967309008 dated 5/14/25 & 242E-7432 dated 5/22/25.

Marking of product

For traceability the following marking is to be carried out on each product:

1. Serial No.
2. Manufacturer's name or trademark.
3. Additional Marking at manufacturer's discretion.

Periodical assessment

For retention of the Type Approval, DNV's surveyor shall perform periodical assessment after 2 years (+/- 90 days) and after 3.5 years (+/- 90 days) in accordance with DNV's Class Programme DNV-CP-0338, Section 4.

Other conditions/comments

1. Procedures related to testing, welding, NDT, and other quality control requirements are to be reviewed/approved by DNV's local surveyor.
2. DNV ref.: A1702934.