Certificate no.:
TAP000031D

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Expansion Joint for Pipe, Slide Type and Flexible Type

with type designation(s)
PEJ-32250 / Packing Type Expansion Joint

issued to
Wuxi Jinchang Machinery Manufacturing Co., Ltd.
Wuxi, **China**

is found to comply with
DNV rules for classification – Ships Pt.4 Ch.6 Piping systems
DNV class programme DNV-CP-0185 – Type approval – Mechanical joints

Application:

Products approved by this certificate are accepted for installation on all vessels classed by DNV.

Temperature range:	**0°C - 100°C**
Max. working press.:	**32 bar / 3.2 MPa**
Sizes:	**DN 250**

Issued at **Hamburg** on **2026-01-05**
This Certificate is valid until **2031-01-04**.
DNV local unit: **Jiangyin NB & CMC**

for **DNV**

Approval Engineer: **Christian Kaemmer**

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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

Type PEJ-32250 is a mechanical slip-on packing type expansion joint, restrained by stud bolts.

Main components	Material designation
Body	Non-alloy steel / stainless steel
Expansion pipe, bolts,	Non-alloy steel / stainless steel
Sealing ring	Nitrile NBR
Stuffing	Flexible graphite

Application/Limitation

PEJ is type-approved for application for pipe-classes II and III in piping systems as specified in DNV-RU-SHIP Pt.4, Ch. 6, Sec. 9 Table 8, 9 and 10 and classified as type: Slip-on joints of “Slip type”.

PEJ is not type-approved for:

- Piping arranged in cargo holds, tanks and other spaces which are not easily accessible.
- Piping sections directly connected to the ship´s side below the bulkhead deck of passenger ships and freeboard deck of cargo ships or tanks containing flammable fluids:
  if: An event of damage could cause fire or flooding.
- Fuel Oil and lube oil systems inside machinery spaces of category A or accommodation spaces.

Application of this expansion joint inside tanks is only permitted for the same media in the tank.

PEJ is to be used where compensation of axial movement of clamped pipes is considered necessary. Usage as a connection of pipes is not permitted. Packing elements and other parts shall be replaced by new parts in case of repeated installation or use.

PEJ-Packing Type Expansion Joint is type-approved and tested for fire endurance test condition “**wet**” and “fire endurance test not required”. Fire endurance classification according to DNV-Rules “Ships” Pt. 4, Ch. 6, Sec. 9 Table 9.

Selection of materials

It shall be noted that the selection of the materials considers the applicable service condition with respect to type of media, flow velocity, media temperature and installation area of the piping system. In particular, the resistance to corrosion, erosion, oxidation and other deterioration during projected service life are to be considered.
References: DNV Rules “Ships” Pt.4 Ch.6 – Section 2 – (table 1) - Materials.

Sea water application

The term sea water application includes sea water piping systems and installation of piping systems on open deck. Stainless steel material SUS 316L is approved for sea water systems with operation mode “flowing seawater” but not for application in piping systems with operation mode “stagnant seawater”.

Type Approval documentation

Tests carried out

Marking of product

For traceability to this type approval, each joint is to be marked with:

- Nominal Diameter DN, Nominal Pressure PN, Type,

Periodical assessment

For retention of the Type Approval, a DNV Surveyor shall perform periodical assessment to verify that the conditions for the Type Approval are complied with. Refer to the Class Programme DNV - CP-0338, Section 4.
In addition, burst pressure testing on selected sizes to be carried out in the course of renewal of the certificate. To check the validity of this certificate, please look it up in https://approvalfinder.dnv.com