

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Press fittings**

with type designation(s)
Type I and Type II

Issued to

Yada Piping Solution Co., Ltd.
Jiaxing, ZHEJIANG, China

is found to comply with

DNV GL rules for classification – Ships Pt.4 Ch.6 Piping systems
DNV GL class programme DNVGL-CP-0185 – Type approval – Mechanical joints

Application :

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

Temperature range: -20 - +110 [°C]
Max. working press.: 1.6 [MPa] // 16 [bar]
Sizes: DN 15 to DN 100

Issued at **Hamburg** on **2020-09-22**

This Certificate is valid until **2025-09-21**.

for **DNV GL**

DNV GL local station: **Shanghai**

Approval Engineer: **Ana Cristina Do Carmo Insfran**

.....
Olaf Drews
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 GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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

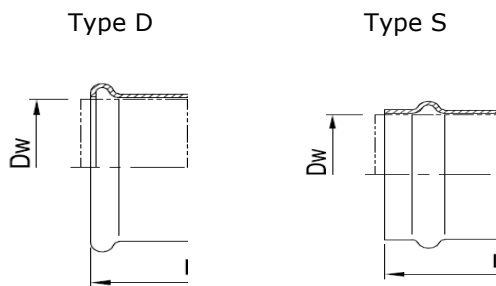
Press fittings intended for installations in piping systems made from light gauge stainless steel tubes. There are two series: Type I and Type II under the same nominal diameter, which represent different outer diameter and wall thickness.

Nominal Diameter:

Type I: DN 15-DN 100

Type II: DN 15-DN 60

Port end connections (Socket type):



Pipe outer diameter and wall thickness series:

Socket type	Product series	Nominal pipe size [DN]	Outer diameter [mm]
Type D	Type I	DN 15-DN 100	18-108
	Type II	DN 15-DN 60	15.9-60.3
Type S	Type I	DN 15-DN 100	16-101.6
	Type II	DN 15-DN 40	15.9-42.7

Pipe Material:

Grade	Standard
304L	GB/T19228.2
316L	GB/T19228.2

Press Fittings Material:

Body	Standard
304L	GB/T19228.2
316L	GB/T19228.2

Seal Ring Material: EPDM

Application/Limitation

Mechanical joints – Stainless steel Press-fittings, Type S and Type D are type approved for class III-piping system for applications:

- Fresh water
- Hot- and cold-water
- Heating and air-conditioning condensate line
- Compressed air and
- Inert gas systems

Approved for fire resistance and vacuum.

Type Approval documentation

Tests carried out

Tightness test, Bursting pressure test, pull-out test, vibration (fatigue) test, pressure pulse test, fire resistance test, vacuum test, repeated assembly test.

Production place

Zhejiang Tianmu Technology CO., LTD.

No. 8 Building, 255 lane, Longzhu Street, Qisi Village,
Shacheng Street, Wenzhou Economic and Technological and Development Zone,
Zhejiang Province

Job Id: **262.1-033308-1**
Certificate No: **TAP000026D**

Marking of product

For traceability to this type approval each press fittings are to be marked with:

Scope	Example
Manufacturer name or trademark	Yada Piping Solution Co., Ltd.
Product Chinese name	薄壁不锈钢卡压式 90° 弯头
Product name	CJT 152-2010
A-90° elbow, DN50, O.D.54 mm, Type I, 304L	A 90E 50/54 I-304L
Heat treatment No.	HT: N190323AS106
Product name	NO.19S20493

Periodical assessment

For retention of the Type Approval, a DNV GL Surveyor shall perform periodical assessment as per DNVGL-CP-0338, Sec.4 to verify that the conditions for the Type Approval are complied with.

To check the validity of this certificate, please look it up in <https://approvalfinder.dnvgl.com>.