

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Tube Fittings**

with type designation(s)
Megapress Push-in Connection

Issued to

Viega Technology GmbH & Co. KG
Attendorn, Germany

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: see Certificate page 2

Max. working press.: 1.6 MPa / 16 bar

Sizes: 3/4" for pipe diameter 1 1/2" up to 6"

Issued at **Hamburg** on **2020-04-21**

This Certificate is valid until **2025-04-20**.

for **DNV GL**

DNV GL local station: **Essen**

Approval Engineer: **Christian Kaemmer**

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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.



Product description

Press-in branch connector:

Press-in branch connector consisting of a housing with a sealing element made of EPDM, HNBR or FKM. It has an Rp 3/4" internal thread acc. to ASME B1.20.1 and is assembled perpendicular to the pipe axis. Assembling by means of a tool set, drilling device and drilling shaft.

Press-in branch connector Diameter [inch]	Pipe Outer Diameter [inch]	Pipe outer diameter [mm]	Wall thickness of pipes Min [mm] – Max [mm]
3/4"	1 1/2"	48,3	2,3 - 4,0
3/4"	2"	60,3	2,3 - 4,5
3/4"	2 1/2"	76,1	2,6 - 4,5
3/4"	3"	88,9	2,9 - 5,0
3/4"	4"	114,3	3,2 - 5,4
3/4"	5"	139,7	3,6 - 5,4
3/4"	6"	168,3	4,0 - 5,4

Pipes: Galvanized, coated pipes acc. to DIN EN 10216 respectively DIN EN 10217

Pressing tool: Pressgun 5, Pressgun 4E/4B; PT3-AH; PT3-H/EH; Typ 2 & Viega tool set.

Sealing materials	EPDM	HNBR	FKM
Temperature range	-10°C / +110°C	-10°C / +82°C	-5°C / +140°C
Limited Temperature for compressed air	-10°C / +60°C	-10°C / +60°C	-5°C / +60°C

Application/ Limitations

The Megapress Push-in-connections with pipe sizes 48,3 mm – 168,3 mm (1 1/2" – 6") are type-approved for class III-piping systems for applications:

- Fire extinguishing systems
- Bilge lines
- Ballast Systems
- Tank cleaning systems
- Cargo oil lines
- Fuel oil lines
- Domestic heating & cooling
- Compressed air
- Condensate return lines
- Vacuum lines
- Inert Gas
- Non-essential systems

Job Id: **262.1-031585-1**
Certificate No: **TAP00001XA**

Restrictions for above mentioned applications for compression couplings "press type" acc. to DNVGL-Rules Part 4 Chapter 6 Section 9 Table 11 and according to Viega-application-list are to be observed. Approved for fire resistance. Max. working pressure 1,0 MPa/10 bar for compressed air @ diameter 5" and 6".

Type Approval documentation

Tests carried out

Production place

Viega Supply Chain GmbH & Co KG
Viegastrasse 1
D-99518 Großheringen / Germany

Marking of product

- Manufacturer`s name
- Size of the fitting
- County of origin

- Batch code / Quality trace number

Periodical assessment

For retention of the Type Approval, a DNV GL Surveyor shall perform periodical assessment after two years (+/- 90 days) and after 3.5 years (+/- 90 days) to verify that the conditions for the Type Approval are complied with. Refer to DNVGL-CP-0338, Sec.4.