

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Press fittings

with type designation(s)
MegaPress Stainless 316L / 304 with EPDM, MegaPress Stainless 316L / 304 with FKM

Issued to
Viega Technology GmbH & Co. KG
Attendorn, Nordrhein-Westfalen, 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.

Type:	Temperature range:	Max. working press.:	Sizes:
MegaPress Stainless 316L / 304 with EPDM	14°F to 230°F (-10°C to 110°C)	1,6 MPa (232 psi) 1,25 MPa (181 psi) 1,00 MPa (145 psi)	½" to 2½" 3" 4"
MegaPress Stainless 316L / 304 with FKM	23°F to 284°F (-5°C to 140°C)	1,6 MPa (232 psi) 1,25 MPa (181 psi)	½" to 2½" 3" 4"

Issued at **Hamburg** on **2019-10-01**
 This Certificate is valid until **2024-04-24**.
 DNV GL local station: **Essen**

for **DNV GL**

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.



Job Id: **262.1-026806-3**
Certificate No: **TAP000015D**
Revision No: **4**

Product description

MegaPress Stainless:

Megapress fittings consisting of a sleeve (basic component), grip ring, separator ring, sealing element. The grip ring with bidirectional teeth grip the outer surface of the pipe and locks the fitting to the pipe. The constant compression produces a positive, nondetachable mechanical joint. The fittings are to be assembled by a pressing tool. "XL" indicates sizes 2 1/2", 3" and 4".

Pipe Outer Diameter [mm]	Pipe Outer Diameter [inch]	Minimum wall thickness of pipe [mm]
21,3	1/2"	2,11
26,7	3/4"	2,11
33,4	1"	2,77
42,2	1 1/4"	2,77
48,3	1 1/2"	2,77
60,3	2"	2,77
73,0	2 1/2"	3,05
88,9	3"	3,05
114,3	4"	3,05

Technical data:

Sleeve (basic component): Stainless Steel AISI 304 /1.4301
Stainless Steel AISI 316L/1.4404

Grip-ring: Stainless Steel AISI 420

Separator ring: AISI 304, / 1.4301

XL-Separator ring: PBT

Sealing: EPDM, FKM

Pressing tool / XL-Pressing tool: Pressgun 5 / Pressgun 5 with Pressgun-Press Booster and Ridgid RP340/Ridgid RP340 with Booster

Pipes: Stainless Steel pipes as per ASTM A312/A312M-17
Schedule 10 to 40.

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Application/ Limitations

The MegaPress stainless fittings are approved for class III-piping systems for applications:

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

Restrictions for above mentioned applications for compression couplings "press type" acc. to DNVGL-Rules Part 4 Chapter 6 Section 9 Table 11 are to be observed.

Approved for fire resistance, not approved for sea water applications.

Type Approval documentation

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Tests carried out

Production place

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

Marking of product

Marking	Example
Manufacturer's name	Viega
Nominal Diameter	15x1/2

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.