DNV·GL

Certificate No:
TAP000015D

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Press fittings

with type designation(s)
MegaPress Stainless 316L with EPDM, Megapress Stainless 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 with EPDM	**0°F to 250°F / -18°C to 120°C**	**1,6 MPa (232 psi)**	**1/2" to 2"**
Megapress Stainless 304 with FKM	**14°F to 284°F /-10°C to 140°C**	**1,6 MPa (232 psi)**	**1/2" to 2"**

Issued at **Hamburg** on **2018-02-19**
This Certificate is valid until **2023-02-18**.
DNV GL local station: **Essen**

Approval Engineer: **Christian Kaemmer**

for **DNV GL**

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.

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Product description

MegaPress Stainless:
Megapress fittings contsisting 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.

Pipe Outer Diameter [mm]	Pipe Outer Diameter [inch]	Wall thickness of pipe [mm]
21,3	½"	2,77
26,7	3/4"	2,87
33,4	1"	3,38
48,3	1 ½"	3,68
60,3	2"	3,91

Technical data:

Sleeve (basic component):	Stainless Steel AISI 304 /1.4301 featuring FKM-sealing-element; Stainless Steel AISI 316L/1.4404 featuring EPDM-sealing-element
Grip-ring:	Stainless Steel AISI 420
Separator ring:	AISI 304, / 1.4301
Sealing:	EPDM FKM
Pressing tool:	in accordance with the instructions of the manufacturer

Application/ Limitations

The MegaPress 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 12 and according to Viega-approved application-list are to be observed.

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

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 certificate periodical assessments shall be carried out at production places by DNVGL surveyor. The objective of the periodical assessment is to verify that the design and production conditions for the type approval have not been altered.

Main scope of the assessment:
- verification of the production and quality control system
- review of quality control documentation of recent deliveries
- review of drawings in production to verify any design changes which may have an impact on data specified in the type approval certificate, performance and range of application
- verification of the product marking
- witness of burst testing on selected sizes from production.

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.