



Lloyd's  
Register

# Type Approval Certificate

*This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.*

This certificate supersedes certificate number 93/20051(E4) issued on 04.12.2013 which is hereby cancelled.

This certificate is issued to:

**PRODUCER** VOSS Fluid GmbH  
Lüdenscheider Straße 52-54  
51688 Wipperfürth  
Germany

**DESCRIPTION** Steel or stainless steel flared pipe couplings comprising of a 10° flared pipe adapter on one side and a 24° tapered male connector with an O-Ring on the other side.

**TYPE** VOSS BV-10 Flared Pipe Couplings

<b>RATINGS</b>	Series	Pipe outside diameter (mm)	Nominal pressure (bar)
	L	6 to 10	500
	(light)	12 to 18	400
		22 to 42	250
	S	6 to 10	800
	(heavy)	12 to 16	630
		20 to 38	420

**STANDARD** LR Rules and Regulations for the Classification of Ships, July 2018

**Certificate No.** 93/20051 (E5)  
**Issue Date** 26 February 2019  
**Expiry Date** 31 December 2023  
**Sheet** 1 of 2

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LR031.1.2016.06

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**APPLICATION**

General use in marine, offshore and industrial piping systems.

Restrictions:

1. starting/control air and CO2 systems.
2. inside machinery spaces of category A or accommodation spaces for inert gas main lines
3. fire extinguishing systems which are not always filled with water

**PERFORMANCE TESTS**

Repeated assembly, leakage, burst pressure, hydraulic impulse and vibration, flame resistance.

**OTHER CONDITIONS**

Trade mark "VOSS" to be shown on each coupling. The pipe couplings to be selected and installed as per producer's recommendations and instructions.

*The Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.*

*If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.*

*The Design Appraisal Document No. HMD 13340-04, Issue No. 3, dated 26.02.2019 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

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