



Lloyd's
Register

Type Approval Certificate

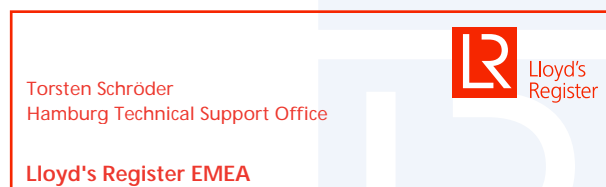
This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate is issued to:

PRODUCER	VOSS Fluid GmbH Lüdenscheider Strasse 52 – 54 51688 Wipperfürth Germany			
DESCRIPTION	Compression couplings 24°, series L and S made of carbon steel, metal sealed			
TYPE	VOSS <i>Ring</i> ^M Cutting Ring Couplings			
APPLICATION	General use in marine, offshore and industrial piping systems classed or intended for Classification with Lloyd’s Register.			
STANDARD	Lloyd’s Register Rules and Regulations for the Classification of Ships, 2015			
RATINGS	Series L (light)		Series S (heavy)	
	Tube OD [mm]	PN [bar]	Tube OD [mm]	PN [bar]
	6-10	500	6-10	800
	12-18	400	12-16	630
	22-42	250	20-38	420

Certificate No.	15 / 20142
Issue Date	22 December 2015
Expiry Date	21 December 2020
Sheet	1 of 2

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS



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RATINGS, cont.

Temperature range for carbon steel couplings:
with metallic seal: -20 up to + 120°C
For CS male stud couplings of type PEFLEX, UN/UNF, ISO 6149
With soft seal NBR: -20 up to + 100°C
FPM/FKM: -20 up to + 200°C
Lowest ambient temperature: -40°C
For service temperatures above +120°C pressure reduction factors
as per catalogue are to be observed.

**OTHER
CONDITIONS**

The VOSSRingSM cutting ring couplings are to be selected and
installed according to the producer's recommendations and
instructions.

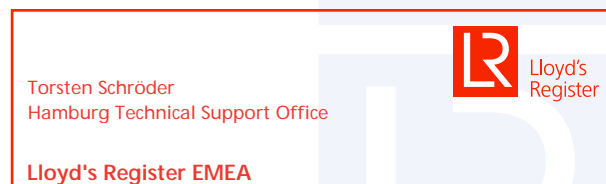
*The Type Approval does not eliminate the need for normal inspection and survey procedures required by
the Rules and Regulations.*

*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. HTS/ENS 33765-15, Issue No. 0 and its supplementary Type
Approval Terms and Conditions form part of this Certificate.*

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