

Type Approval Certificate Extension

This is to certify that Certificate No. 06/20016 (E1) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	VOSS Fluid GmbH Lüdenscheider Straße 52 – 54 51688 Wipperfurth Germany
DESCRIPTION	Compression Couplings 24°, series L and S, made of steel and stainless steel according to DIN 3859-1
TYPE	VOSSForm ^{SOR}
APPLICATION	General use in marine, offshore and industrial piping systems, classed or intended for Classification with Lloyd's Register <u>Restrictions</u> Couplings with seals sensitive to heat are not acceptable in the following locations : <ol style="list-style-type: none">1. Starting/control air and CO₂ systems.2. Inside machinery spaces of category A or accommodation spaces for main lines of inert gas systems.3. Fire main, water spray and sprinkler systems or similar which are not always filled with water.

Certificate No.	06/20016 (E2)
Issue Date	20 February 2012
Expiry Date	06 April 2016
Sheet	1 of 2


Olaf Schmidt
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Lloyd's Register EMEA

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STANDARD

Lloyd's Register Rules and Regulation for the Classification of Ships, July 2011 and IACS P2.11 including wet fire endurance test for couplings with seals sensitive to heat.

RATINGS

LIGHT GAUGE (L)		HAEVY GAUGE (S)	
Pipe O.D. [mm]	Nom. Press.[bar]	Pipe O.D.[mm]	Nom. Press.[bar]
6-10	500	6-10	800
12-18	400	12-16	630
22-42	250	20-38	420
Seal material		Temperature Range (°C)	
FPM		-25°C to 200°C	

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No. HMD 17033-06, Issue 2 dated 20.02.12 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 06/20016 (E1) to which this extension should be attached.

Certificate No. 06/20016 (E2)
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Sheet 2 of 2


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