

## Type Approval Certificate Extension

*This is to certify* that Certificate No. 88/20363 (E4) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

**PRODUCER**

EXMAR GmbH  
Adam-Geck-Straße 3-5  
61239 Ober-Mörlen  
Germany

**DESCRIPTION**

General purposes stainless steel pipe couplings with cutting ring type ferrules and with and without sealing components which are sensitive to heat, including accessories; 24 ° compression fittings according to DIN EN ISO 8434-1/DIN 2353

**TYPE**

Stud couplings:

GEV, GEV-WD, GEV-NPT, GEV-UNF/UN, WEV, WEV-NPT, TEV, LEV

Tube to tube couplings:

GV, WV, TV, KV, GSV, WSV

Adjustable couplings:

ESS, EWV, ETV, ELV, ESWV, DWSV, DTSV, ESTV

Welding coupling:

ESV

Reduction coupling:

RS

**APPLICATION**

General use in marine, offshore and industrial piping systems

Restrictions for pipe couplings with sealing components which are sensitive to heat:

1. Starting / control air and CO2 Systems.
2. Water spray or sprinkler systems which are not always filled with water.

**Certificate No.**

88/20363 (E5)

**Issue Date**

08 November 2013

**Expiry Date**

05 October 2018

**Sheet**

1 of 2

  
Olaf Schmidt  
Hamburg Technical Support Office  
Lloyd's Register EMEA

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

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## STANDARD

Lloyd's Register Rules and Regulations for the Classification of Ships, 2013, and IACS Reg. P. 2.11

## OTHER CONDITIONS

For deck and bulkhead penetrations see also the requirements of the National Authorities.

## RATINGS

Material 1.4571; stainless steel

LIGHT GAUGE (L)		HEAVY GAUGE (S)	
Pipe O.D.	Design Pressure	Pipe O.D.	Design Pressure
[mm]	[bar]	[mm]	[bar]
6-18	315	6-14	630
22-42	160	16-30	400
		38	315

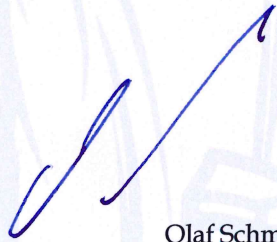
For temperatures above 50 °C pressure reductions are to be in accordance with the manufacturer's instructions.

*"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 14628-05, Issue No. 2, dated 08.11.2013 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous Certificate No. 88/20363 (E4) to which this extension should be attached.

Certificate No. 88/20363 (E5)  
 Issue Date 08 November 2013  
 Expiry Date 05 October 2018  
 Sheet 2 of 2

  
 Olaf Schmidt  
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