

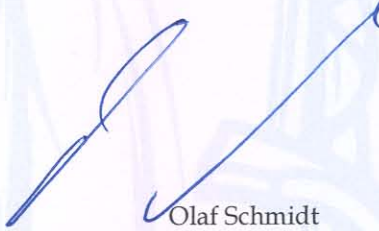
Type Approval Certificate Extension

This is to certify that Certificate No. 88/20363 (E3) 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, including accessories; 24 ° compression fittings according to DIN EN ISO 8434-1/DIN 2353
TYPE	<u>Stud couplings:</u> GEV, GEV-WD, GEV-NPT, GEV-UNF/UN, WEV, WEV-NPT, TEV, LEV <u>Tube to tube couplings:</u> GV, WV, TV, KV, GSV, WSV <u>Adjustable couplings:</u> ESS, EWV, ETV, ELV, ESWV, DWSV, DTSV, ESTV <u>Welding coupling:</u> ESV <u>Reduction coupling:</u> RS
APPLICATION	General use in marine, offshore and industrial piping systems
STANDARD	Lloyd's Register Rules and Regulations for the Classification of Ships, 2008, and IACS Reg. P. 2.11

Certificate No.	88/20363 (E4)
Issue Date	12 March 2009
Expiry Date	05 October 2013
Sheet	1 of 2


Olaf Schmidt
Hamburg Design Support Centre
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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. 1, dated 12.03.09 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 88/20363 (E3) to which this extension should be attached.

Certificate No. 88/20363 (E4)
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