



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 88/20363 (E5) issued on 08.11.2013 which is hereby cancelled.

This certificate is issued to:

PRODUCER

EXMAR GmbH
Am Taubenbaum 6
61231 Bad Nauheim
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

STANDARD

Lloyd's Register Rules and Regulations for the Classification of Ships, 2018 and IACS Reg. P. 2.11

Certificate No.

88 / 20363 (E6)

Issue Date

24 October 2018

Expiry Date

05 October 2023

Sheet

1 of 2

Lloyd's Register EMEA

71 Fenchurch Street, London EC3M 4BS



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LR031.1.2016.06

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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.

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] |
| 6-10 | 500 | 6-10 | 800 |
| 12-18 | 400 | 12-16 | 630 |
| 22-42 | 250 | 20-38 | 420 |

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

PLACE OF PRODUCTION

SERTO AG
Langfeldstrasse 117
8500 Frauenfeld
Switzerland

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 14628-05, Issue No. 3, dated 24.10.2018 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No. 88 / 20363 (E6)
Issue Date 24 October 2018
Expiry Date 05 October 2023
Sheet 2 of 2



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