

## Type Approval Certificate Extension

This is to certify that Certificate No. 92/00034 (E3) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

**PRODUCER** 

SERTO AG

Schützenstrasse 25 8355 Aadorf

Switzerland

DESCRIPTION

Stainless steel compression ferrule pipe unions

**TYPE** 

SERTO 5000 Series

APPLICATION

Marine, offshore and industrial use as general purpose compression couplings for use in piping systems carrying liquids and gases compatible with the materials of construction, classed or intended for Classification with Lloyd's Register

**STANDARD** 

- Rules and Regulations for the Classification of Ships, July 2012
- BS4368 Part 4: 1984 Compression Couplings for Tubes Specification for Type Test Requirements

RATINGS

Pipe outside diameter:	Nominal working pressure:
(mm)	(bar)
2 to 5	250
6 to 8	200
9,52 to 12	160
12,7 to 18	100
21,3 to 22	64
28	40

Certificate No.

12/20050

**Issue Date** 

30 November 2012

**Expiry Date** 

19 May 2017

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Torsten Schröder Hamburg Design Support Office Lloyd's Register EMEA

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REMARKS

Stainless steel couplings are not to be used in oxygen, or oxygen enriched systems.

"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. ENS 21051-08, Issue No. 1, dated 30.11.2012 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 92/00094 (E3) to which this extension should be attached.

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