

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	<table><thead><tr><th>Pipe outside diameter :</th><th>Nominal working pressure:</th></tr><tr><th>(mm)</th><th>(bar)</th></tr></thead><tbody><tr><td>2 to 5</td><td>250</td></tr><tr><td>6 to 8</td><td>200</td></tr><tr><td>9,52 to 12</td><td>160</td></tr><tr><td>12,7 to 18</td><td>100</td></tr><tr><td>21,3 to 22</td><td>64</td></tr><tr><td>28</td><td>40</td></tr></tbody></table>	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
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																
Sheet	1 of 2																

T. Schröder

Torsten Schröder
Hamburg Design Support Office
Lloyd's Register EMEA

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

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.

Certificate No.	12/20050
Issue Date	30 November 2012
Expiry Date	19 May 2017
Sheet	2 of 2


Torsten Schröder
Hamburg Design Support Office
Lloyd's Register EMEA

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