



**TYPE APPROVAL CERTIFICATE**  
No. MAC186717XG

**This is to certify that the product identified below satisfies the requirements of the standard quoted under "Reference standard"**

<i>Description</i>	<b>MECHANICAL JOINTS FOR PIPES</b>
<i>Type</i>	<b>Compression Couplings LL-, L- and S-Series</b>
<i>Applicant</i>	<b>CONEXA PRÄZISIONSARMATUREN GmbH Vorm Berge 1 D-34346 Hann. Munden GERMANY</b>
<i>Manufacturer</i>	<b>CONEXA PRÄZISIONSARMATUREN GmbH</b>
<i>Place of manufacture</i>	<b>Vorm Berge 1 D-34346 Hunn. Munden GERMANY</b>
<i>Reference standards</i>	<b>RINA Rules for the Classification of Ships Part C, Chapter 1, Section 10.</b>

*Issued in* **HAMBURG** on **October 27, 2017**. *This Certificate is valid until* **October 26, 2022**

  
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**RINA Services S.p.A.**  
**Giuseppe Russo**

This certificate consists of this page and 1 enclosure



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**Compression Couplings LL-, L- and S-Series**

**Reference documents:**

- Conexa Tube Fittings Catalogue (Page 1 to 36) filed under RINA dwg no. HMMC-9367.
- Conexa Tube Fittings Catalogue (Page 37 to 66) filed under RINA dwg no. HMMC-9917.
- Conexa Tube Fittings Catalogue (Page 67 to 105) filed under RINA dwg no. HMMC-9918.
- Conexa Tube Fittings Catalogue (Page 106 of 144) filed under RINA dwg no. HMMC-9919.
- Test Report no. S022.1/08 (IMA Dresden) filed under RINA dwg no. HMMC-9903.
- Test Report no. S022.2/08 (IMA Dresden) filed under RINA dwg no. HMMC-9904.
- Test Report no. K109/14 (IMA Dresden) filed under RINA dwg no. HMMC-9905.
- DIN EN ISO 9001:2008-cert. no. 08100949107 filed under RINA dwg. no. HMMC-9906.

**Technical characteristics:**

This product is made of carbon steel or stainless steel.

Sizes and design pressures of this product are the following:

- DIN-Fittings in accordance with DIN EN ISO 8434-1:  
as per Conexa Catalogue (pages from 3 to 7 and pages from 13 to 135).
  - Flared Tube Fittings in accordance with DIN 3949:  
as per Conexa Catalogue (pages from 8 to 12).
  - Welding Fittings in accordance with DIN EN ISO 8434-1:  
as per Conexa Catalogue (pages from 136 to 144).
- Operating temperature range: -20°C to +120°C.

**Fields of application:**

This product is intended for use in shipboard steel and stainless steel piping systems.

**Acceptance conditions:**

1. Application of this product and its acceptable use for particular piping systems is indicated in RINA Rules Part C, Chapter 1, Section 10, Table 16 and column referring to compression couplings.
2. This product, being bite and flared type compression coupling as indicated in RINA Rules Part C, Chapter 1, Section 10, Table 17, is allowed to be used in Class I, II and III piping systems, having in mind, that outside diameters of pipes being connected are not above 60,3 mm.

**Remarks:**

The selection of a particular type of this product for the corresponding service in view of temperature and pressure and its proper installation is to be in accordance with the Manufacturer instructions.

**HAMBURG October 27, 2017**

