

Certificates and Approvals



**DNV·GL**

Certificate No:  
**P-15101**  
 File No:  
**792.21**  
 Job Id:  
**262.1-016074-2**

**TYPE APPROVAL CERTIFICATE**

**This is to certify:**

**That the Pipe Couplings, Bite and Compression Type**

with type designation(s)  
**FI-GE, FI-WE, FI-TE, FI-LE, FI-G, FI-W, FI-T, FI-K, FI-GS, FI-WS, FI-ES, FI-AS, FI-WAS, FI-SN, FI-GA, FI-MA, FI-EMA, FI-EMAD, FI-RSW, FI-RST, FI-EGED, FI-SNV, FI-REDS, FI-EWD, FI-ETD, FI-ELD, FI-EGE, FI-REDS, FI-EW, FI-ET, FI-EL**

Issued to  
**Walter Stauffenberg GmbH & Co. KG**  
**Werdohl, Germany**

is found to comply with  
**Det Norske Veritas' Rules for Classification of Ships Pt.4, Ch.6 "Piping Systems"**  
**Det Norske Veritas' Standards for Certification 2.9 No. 5-792.20**

**Application :**

**May be used for: Hydraulic- and lubrication oil, fuel oil, compressed air, oxygen (see cert.), steam and condensate, fresh- and sea water**

**Temperature range: See certificate**  
**Max. working press.: 100 to 800 bar (see certificate)**  
**Sizes: Tube OD: 4 mm to 42 mm**

This Certificate is valid until **2018-12-31**.

Issued at **Høvik** on **2014-11-28**

DNV GL local station: **Essen Business Support**

Approval Engineer: **Tom Berg-Nielsen**

for **DNV GL**  
 Digitally Signed By: Saia, Giorgio  
 Location: DNV GL Høvik, Norway  
 Signing Date: 2014-11-28

**Giorgio Saia on behalf of**  
**Marianne Spæren Marveng**  
**Head of Section**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed. If any person suffers loss or damage which is proven to have been caused by any negligent act or omission of the Society, then the Society shall pay compensation to such person for his proven direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question. The maximum compensation shall never exceed USD 2 million. In this provision the "Society" shall mean DNV GL AS as well as all its direct and indirect owners, affiliates, subsidiaries, directors, officers, employees, agents and any other person or entity acting on behalf of DNV GL AS.



**BUREAU  
VERITAS**

**Marine & Offshore  
Division**

**Certificate number:** 42033/A0 BV

**File number:** ACM 135/2756

**Product code:** 2130H

*This certificate is not valid when presented without the full attached schedule composed of 7 sections*

[www.veristar.com](http://www.veristar.com)

## TYPE APPROVAL CERTIFICATE

*This certificate is issued to*

**WALTER STAUFFENBERG GmbH & CO. KG**

Werdohl - GERMANY

*for the type of product*

**SCREW COUPLINGS**

PIPE COUPLINGS, BITE AND COMPRESSION Type Series LL/L/S

**Requirements:**

- BUREAU VERITAS Rules for the Classification of Steel Ships
- BUREAU VERITAS Rules for the Classification of Offshore Units
- BUREAU VERITAS Rules for the Classification of Naval Ships
- BUREAU VERITAS Rules for the Classification of Yachts

*This certificate is issued to attest that BUREAU VERITAS did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.*

**This certificate will expire on: 10 Aug 2020**

**For BUREAU VERITAS,**

At BV HAMBURG, on 10 Aug 2015,

Adama Diene



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with BUREAU VERITAS. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine & Offshore Division available on the internet site [www.veristar.com](http://www.veristar.com). Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarnb.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=bjbnyaxeyn>

BV Mod. Ad.E 530 October 2014

This certificate consists of 3 page(s)

**R**



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 is issued to:

<b>PRODUCER</b>	Walter Stauffenberg Im Ehrenfeld 4 58791 Werdohl Germany
<b>DESCRIPTION</b>	Carbon steel (C15, C22, St35, S235JR2 and 11SMnPB30K+C) high pressure 24° compression couplings with or without seals sensitive to heat as per Stauff Catalogue 01/2015,
<b>TYPES</b>	STAUFF LL (very light gauge), L (light gauge) and S (heavy gauge)
<b>APPLICATION</b>	For pressure pipes in the marine, offshore and industrial environment. <u>Restrictions</u> - Bulkhead couplings are not to be used on watertight bulkheads, gastight bulkheads and for "A", "B" fire class divisions. - Couplings with seals sensitive to heat are not acceptable in the following locations : 1. Starting/control air and CO <sub>2</sub> systems. 2. Inside machinery spaces of category A or accommodation spaces for :- a. Main lines of inert gas systems. b. Pipe systems for flammable liquids including corresponding vent and sounding pipes. 3. Fire main, water spray and sprinkler systems or similar which are not always filled with water.

<b>Certificate No.</b>	15/20081
<b>Issue Date</b>	19 August 2015
<b>Expiry Date</b>	18 August 2020
<b>Sheet</b>	1 of 2

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

  
Torsten Schroeder  
Hamburg Technical Support Office  
Lloyd's Register EMEA

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**СВИДЕТЕЛЬСТВО О ТИПОВОМ ОДОБРЕНИИ**  
**TYPE APPROVAL CERTIFICATE**

Изготовитель  
Manufacturer

Walter Stauffenberg GmbH & Co. KG GmbH

Адрес  
Address

Im Ehrenfeld 4, 58791 Werdohl, Germany.

Изделие\*  
Product\*

Трубные муфтовые и обжимные соединения типов:  
FI-GE, FI-WE, FI-TE, FI-LE, FI-G, FI-W, FI-T, FI-K, FI-GS, FI-WS, FI-ES, FI-AS,  
FI-WAS, FI-SN, FI-GA, FI-MA, FI-EMA, FI-EMAD, FI-RSW, FI-RST, FI-EGED,  
FI-SNV, FI-REDS, FI-EWD, FI-ETD, FI-ELD, FI-EGE, FI-REDS, FI-EW, FI-ET, FI-EL.

Pipe couplings, bite and compression type:  
FI-GE, FI-WE, FI-TE, FI-LE, FI-G, FI-W, FI-T, FI-K, FI-GS, FI-WS, FI-ES, FI-AS,  
FI-WAS, FI-SN, FI-GA, FI-MA, FI-EMA, FI-EMAD, FI-RSW, FI-RST, FI-EGED,  
FI-SNV, FI-REDS, FI-EWD, FI-ETD, FI-ELD, FI-EGE, FI-REDS, FI-EW, FI-ET, FI-EL.

Код номенклатуры 08030710  
Code of nomenclature

На основании освидетельствования и проведенных испытаний удостоверяется, что вышеупомянутое(ые) изделие(я) удовлетворяет(ют) требованиям Российского морского регистра судоходства.  
This is to certify that on the basis of the survey and tests carried out the above mentioned item(s) complies(ly) with the requirements of Russian Maritime Register of Shipping.

Часть VIII Системы и трубопроводы "Правил классификации и постройки морских судов" (2015).  
Part VIII Systems and piping of "Rules for the Classification and construction of Sea-Going Ships" (2015).

Настоящее Свидетельство о типовом одобрении действительно до 18.03.2020  
This Type Approval Certificate is valid until

Настоящее Свидетельство о типовом одобрении теряет силу в случаях, установленных в Правилах технического наблюдения за постройкой судов и изготовлением материалов и изделий для судов.

This Type Approval Certificate becomes invalid in cases stipulated in Rules for the Technical Supervision during Construction of Ships and Manufacture of Shipboard Materials and Products.

Дата выдачи 18.03.2015  
Date of issue

№ 15.40023.250

Российский морской регистр судоходства  
Russian Maritime Register of Shipping



Подпись  
(signature)

Морозов В.В. / V. Morozov  
( фамилия, инициалы )  
( name )

\*Дополнительную информацию смотри на обороте.  
Additional information see overleaf.