

# MannTek

## DECLARATION OF CONFORMITY:

### Pressure Equipment Directive 2014/68/EU

Mann Teknik AB of Strandvägen 16, SE-542 31 Mariestad, Sweden hereby declares that the products listed comply with the essential requirements of the Pressure Equipment Directive 2014/68/EU.

#### Pressure accessories:

**DDCouplings (STANAG), DGCouplings, DACouplings (ISO45), DCCouplings, SBCouplings and CBCouplings**

#### **Conformity assessment procedure followed:**

no CE-marking\*\*

SEP=sound engineering praxis

Article 4 section 3\*

CE

Cat 1=Category 1

Module A

CE 0038

Cat 2=Category 2

Module D1

For piping intended for gases, liquefied gases, gases dissolved under pressure, etc. according to article 4 paragraph 1.(c)(i) [Annex II Table 6]

	Al		Br		SS/Ni-alloy/Ti	
DN25	PN16	SEP*	PN16	SEP*	PN25	SEP*
DN40	PN16	Cat 1	PN16	Cat 1	PN25	Cat 1
DN50	PN16	Cat 1	PN16	Cat 1	PN25	Cat 2
DN65	PN10	Cat 1	PN16	Cat 2	PN25	Cat 2
DN80	PN10	Cat 1	PN16	Cat 2	PN25	Cat 2
DN100	PN10	Cat 1	PN16	Cat 2	PN25	Cat 2
DN150					PN16	Cat 2
DN200					PN10	Cat 2
DN250					PN10	Cat 2
DN300					PN10	Cat 2

For piping intended for liquids according to article 4 paragraph 1.(c)(II) [Annex II Table 8]

	Al		Br		SS/Ni-alloy/Ti	
DN25	PN16	SEP*	PN16	SEP*	PN25	SEP*
DN40	PN16	SEP*	PN16	SEP*	PN25	SEP*
DN50	PN16	SEP*	PN16	SEP*	PN25	SEP*
DN65	PN10	SEP*	PN16	SEP*	PN25	SEP*
DN80	PN10	SEP*	PN16	SEP*	PN25	SEP*
DN100	PN10	SEP*	PN16	SEP*	PN25	Cat 2
DN150	PN10	SEP*			PN16	Cat 2
DN200					PN10	SEP*
DN250					PN10	Cat 1
DN300					PN10	Cat 1

\*According to Article 4 section 3, the products designed and manufactured in accordance with the sound engineering practice (SEP) must not bear the CE marking. Unauthorized product modifications lead to an invalid declaration.

\*\*Attention: If the coupling is Ex-marked the CE-marking is for ATEX classification

#### **Notified body**

Identification number 0038  
Lloyds Register Verification Ltd.  
71 Fenchurch Street  
EC3M 4BS London  
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Signed:

Name: Gerhard Kopplin

Title: Technical Manager

Date: 7<sup>th</sup> March 2017

## The products are based on the standards and referred guidelines

NATO STANAG 3756 (edition 4) - Industrial couplings	ISO 45, STANAG 3105, MS 24484, Aircraft - Pressure refuelling connection
EN 13175 – Specification and testing for Liquefied Petroleum Gas (LPG) pressure vessel valves and fittings	2008/68/EC – The transport of dangerous goods by road, rail or inland waterways inside the member states
ISO TS 18683 – Guidelines for systems and installations for supply of LNG as fuel to ships (Annex G – Dry disconnect coupling)	94/9/EC – Equipment and protective systems intended for use in potentially explosive atmospheres

## The products are tested according to

EN 12266-1 and -2	Industrial valves – Testing of valves – Pressure tests, test procedures and acceptance criteria
EN 14432	Tanks for the transport of dangerous goods – Tank equipment – Product discharge and air inlet valves
ISO 5208	Industrial valves – Pressure testing of valves
EN 12567:2000	Industrial valves – Isolating valves for LNG – Specification for sustainability and appropriate verification tests

## Material specifications according to harmonized standards

<b>Stainless Steel</b> EN 10272:2007 EN 10028-7:2007 EN 10222-5:1999 EN 10216-5:2013 EN 10213-4:2007	Stainless steel - Bars for pressure purposes - Flat products made of steel for pressure purposes - Steel forgings for pressure purposes - Seamless steel tubes for pressure purposes - Technical delivery conditions for steel castings for pressure purposes
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## Material specifications according to EAM / PMA

<b>Aluminium</b> EN 754-2:2013 EN 755-2:2013 EN 1706:1998	Aluminium and aluminium alloys - Cold drawn rod/bar and tube - Extruded rod/bar, tube and profiles - Castings
<b>Brass / Gunmetal</b> EN 12163:1998 EN 12164:1998 EN 1982:1998	Copper and copper alloys - Rod for general purposes - Rod for free machining purposes - Ingots and Castings
<b>Stainless Steel</b> EN 10088-3:1995  ASTM A479 ASTM A351	- Semi-finished products, bars, rods and sections for general purposes - bars and shapes for use in boilers and other pressure vessels - Castings, austenitic, austenitic-ferritic for pressure containing parts
<b>Nickelalloys</b> ASTM B574 VdTÜV Wst-blatt 400	- bars and shapes
<b>Titan</b> ASTM B348	- bars and shapes