

# TYPE APPROVAL CERTIFICATE

**This is to certify:**

**That the Couplings for LNG/LPG**

with type designation(s)  
**Cryogenic Break-away Couplings (CBC), -196°C to +80°C**

Issued to

**Mann Teknik AB**  
**MARIESTAD, Sweden**

is found to comply with  
**DNV GL rules for classification – Ships Pt.5 Ch.7 Liquefied gas tankers**

**Application :**

**Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**

<b>Max. working temp.:</b>	<b>Max. working press.:</b>	<b>Sizes:</b>
-196°C to +80°C	10 bar / 16 bar / 25 bar	DN 25/50/65/80/100
-196°C to +80°C	10 bar / 16 bar	150

This Certificate is valid until **2022-01-12**.

Issued at **Høvik** on **2017-01-13**

DNV GL local station: **Gothenburg**

Approval Engineer: **Adel Samiei**

for **DNV GL**



Digitally Signed By: Marveng, Marianne Spæren  
Location: DNV GL Høvik, Norway  
Signing Date: 13.01.2017

**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.