

TYPE EXAMINATION CERTIFICATE

This is to certify:**That the Couplings for LNG/LPG**

with type designation(s)
Cryogenic Break-away Couplings (CBC)

Issued to

Mann Teknik AB
MARIESTAD, Sweden

is found to comply with

ISO 16904:2016 Petroleum and natural gas industries – Design and testing of LNG marine transfer arms for conventional onshore terminals

EN 1474-3:2008 Installation and equipment for liquefied natural gas – Design and testing of marine transfer systems – Part 3: Offshore transfer systems

Application :

Emergency release couplings for LNG/LPG transfer systems

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

Issued at **Høvik** on **2017-11-07**

This Certificate is valid until **2022-11-06**.

DNV GL local station: **Gothenburg**

Approval Engineer: **Sinisa Sedlan**



for **DNV GL**
Digitally Signed By: Ragavendhra Rao, Vishnumurthi
Location: DNV GL Høvik, Norway
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 Examination Certificate and not to the approval of equipment/systems installed.

