

Mann
Tek

CBCouplings
Cryogenic breakaway couplings



CABLE

Cryogenic SBC - Cable release

The new Mann Tek Cryogenic breakaway coupling- cable release type is a further development of our reliable breaking pin version which are successfully used world wide in many different types of applications. The cable release type coupling acts as a safety solution in the supply line of mobile transfer systems, preventing damage to the environment and facilities due to unexpected movement.

The widest range of breakaway couplings gives full flexibility of the cryogenic product range and offers a safe solution for any applications of LNG transfer.

With the use of Mann Tek's breakaways in combination with our reliable and well proven dry cryogenic couplings we offer the market an unbeatable, safe and easy to use combinations for any LNG transfer application.



ADVANTAGES

- High quality processing
- Sturdy design
- Low wear
- Tamper-proof
- Safe operation
- Release angle up to 90° through two pressure clamps on activation mechanism
- Maintenance-friendly
- Wide spectrum of applications

APPLICATIONS

Industrial

Plant engineering
Power plant construction
Chemical industry
Food processing industry
Process technology
Tank cleaning

Filling systems

Railroads and wagons
Tanktrucks
Ships
Tank containers
Liquefied gas

TECHNICAL INFORMATION

Sizes:

1" (DN25) to 6" (DN150)
Other on request.

Materials:

Stainless steel

Seals:

PTFE

Maximum working pressure:

MWP PN 10 / 16 / 25.
MAWP 150 / 300 psi

Connections:

NPT-Thread, EN1092 (DIN) - or ANSI B16.5 - Flanges.
Other on request.

DESIGN CALCULATION

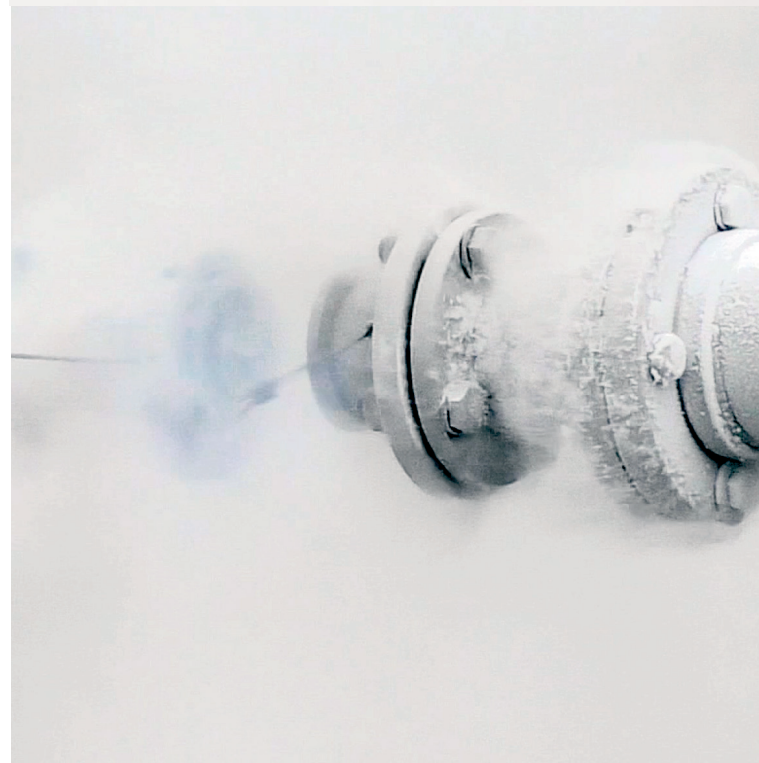
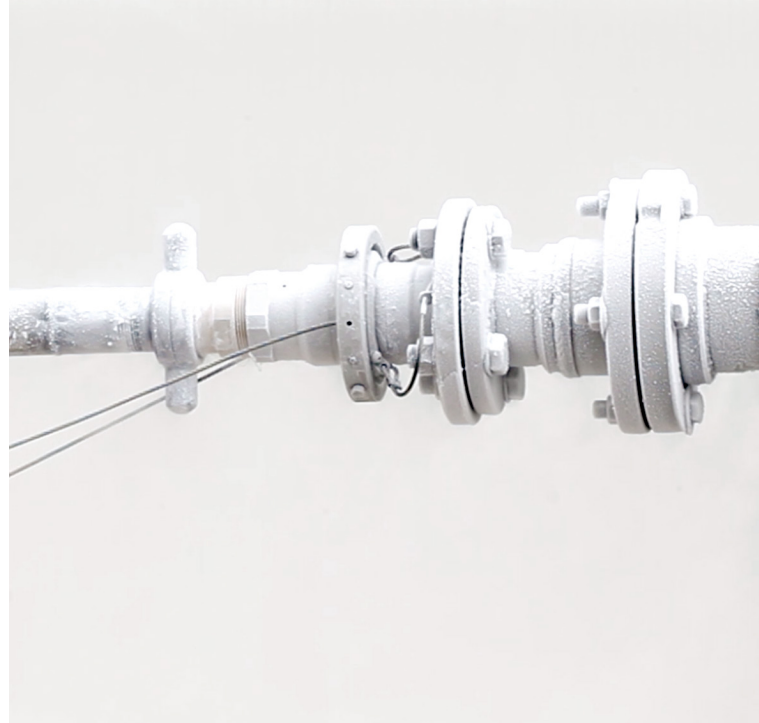
The calculation of the required wall thickness is made according to SS-EN 12516-2. Design temperature range: -200°C to +65°C
Design pressure: PS25 bar

MATERIAL REQUIREMENTS

The material we specified is suitable for the use with LNG and nitrogen down to -200°C.
The specification is according to the recommendations in EN1160.

Size	Nominal size	WP	Temperature range
1"	DN25	WP25	Minimum -200°C
2"	DN50	WP50	Minimum -200°C
4"	DN100	PN25	Minimum -200°C
6"	DN150	PN16	Minimum -200°C
8"	DN200	PN16	Minimum -200°C

Material	Specification
1.4404 316L	EN10272 ANSI A479



About

Mann Tek is a Swedish manufacturer and supplier of Dry Cryogenic Couplings and has during the past years made a significant market leading breakthrough in LNG. We offer a dry cryogenic coupling which operates by our system "push and turn- free ow" and "turn and pull- closed".

We have supplied couplings for several passenger ferries and OSV's, which runs on LNG, and the worlds first LNG-bunker ship.

In 2015 a new ISO-standard, in regards to LNG as fuel to ship was published. Mann Tek Dry Cryogenic Coupling is the first manufacturer world wide, to offer a fully compatible series of products in this new standard, ISO/ TS 18683:2015



With more than twenty years of knowledge and experience in the industry it has accumulated extensive expertise about applications in many types of variations in which our couplings have been, and can be used, with excellent results.

We constantly strive to develop and improve the performance and design of our products, to meet changes, new market demands and standards. Which, today, is what made us market leading. Our couplings are the obvious choice when certifications and product approvals are required, anywhere in the world.

Mann Tek® is certified to ISO9001:2008

Company Approvals



Mann-Tek is a certified ISO9001-company.

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