

First in cryogenic applications



ARTA 
more than stainless steel



NTS[®]-TT

Safety Breakaway Coupling
for use in cryogenic applications
down to - 328°F / -200°C



NTS[®]-TT Safety Breakaway Coupling

Areas of application

The Safety Breakaway Coupling with cable control (short **NTS[®]-TT**) is used to separate pipelines and flexible hose-lines conveying liquid and gaseous media down to - 392°F/ -200°C. **Media:** LNG, Liquid-Oxygen, Ethylene, Propylene, Ethane etc. The **NTS[®]-TT** is suitable for integration into loading-arms. Possible applications include the unintentional movement of a tank-truck, rail-tank-car or the drift of a ship or barge during the loading or discharge process.

Design of the NTS[®]-TT

Two non-return valves prevent product loss in the case of emergency separation. The halves of the case are held together with segments by a slide ring. Separation occurs by a lever (release ring) using a cable with self-disengagement or remote disengagement.

Function

If the pipe system is overloaded with tension, the cable pulls the slide ring and releases the holding segments and the two coupler halves separate. The pipe ends are closed automatically by spring-loaded valves.

Advantages

- Protects your equipment, operators and the environment
- Easily reconnects without tools or spare parts
- Non-destructive separation without need to wait for impact
- Proven in severe service applications
- Operates independant of line pressure
- Operates with build of ice around the coupler



Technical Specifications:

Sizes:	1" - 6" (DN25 - DN150)
Pressure ratings:	Standard 290psi - 580psi (PN20 - PN40)
Connections:	1" - 6" female NPT / BSP threads according to ANSI B 2.1, ISO228-G 1" - 6" (DN50 - DN150) flanges according to ANSI B 16.5, EN 1092-1
Material:	Stainless Steel
Sealing:	Cryo Sealing
Approvals:	CE Certification, in accordance with ATEX, TUV, European Clean Air Act /TA Luft

