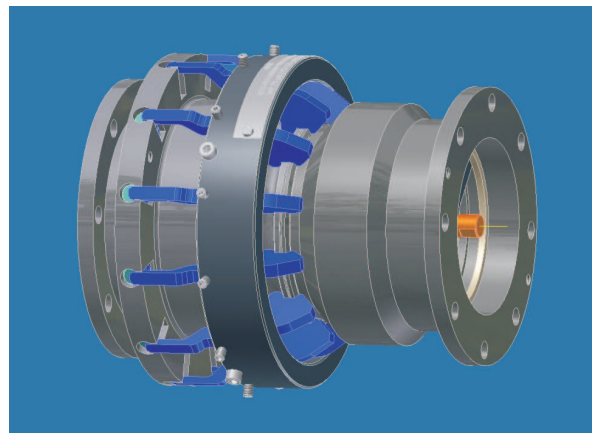


# Emergency Breakaway Coupling for destruction-free protection against pull-away incidents



The **NTS-PU**  
emergency breakaway  
coupling can be  
used in  
gas- and liquid  
applications



## NTS-PU

Upon an inadvertent force, the NTS-PU protects operators, the environment and the plant infrastructure by an engineered separation that leaves both hose ends hermetically closed. The process is non-destructive, no parts (e.g. pins) need to be replaced.

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**ARTA**  
*more than stainless steel*



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## Design of the NTS-PU

Both sides of the emergency breakaway coupling are equipped with self activating check valves; the two halves are held together by a fast - connecting mechanism.

## Function

The separation is primarily triggered by a pull force to the hose or loading arm. Additionally, an excessive pressure surge can also result in a controlled separation of the emergency NTS. The spill preventing closure of the valves on both ends is self-activating and does not require external energy.

After a pull-away, the non-destructive separation allows for an easy reassembly without expensive replacement pins.

## Technical Data

<b>Sizes:</b>	1" - 8"
<b>Pressure ratings:</b>	232psi (PN16) and 360psi (PN25)
<b>Certificates:</b>	TUV, WHG § 19 Equivalent to the European Clean Air Act (TA Luft)
<b>Materials of construction</b>	brass, aluminium      fuels stainless steel        chemicals Special alloys         corrosive media
<b>Seal materials:</b>	perfluorelastomers (e.g. Viton) PFE (Perfluorelastomers e.g. Chemraz)
<b>Triggering mechanisms:</b>	a) pull force b) over pressurization c) combination of both
<b>Connections:</b>	1-4" threads, > 4" flanges
<b>Options:</b>	a) valve on only one side b) no valves