

**NTS<sup>®</sup> - Emergency Safety Disconnecter with cable control**



Sample application (Marine Loading)

## 1. Description

The Emergency Safety Disconnect - NTS<sup>®</sup> is used to safely disconnect pipelines and flexible hoses conveying liquid and gaseous media.

## 2. Area of application

The NTS<sup>®</sup> is suitable for use with loading arms. An application example could be the unintended movement of a tank-truck and rail-tank-car or the drift of a barge or vessel during the loading or discharge process.

## 3. Structure of the NTS<sup>®</sup>

Two non-return valves prevent product loss in case of emergency disconnect. The halves of the housing are held together by segments via a slide ring. Disconnection occurs by means of levers using a cable with self-disengagement or remote disengagement. The NTS<sup>®</sup> can optionally be equipped with a manual disconnecting device.

## 4. How it works

Should the securing cable system experience a pull force, the levers would swing out by the cable. The slide ring displaces and the segments are released, the two body halves go apart. The two spring-loaded valves then close automatically each line's end.

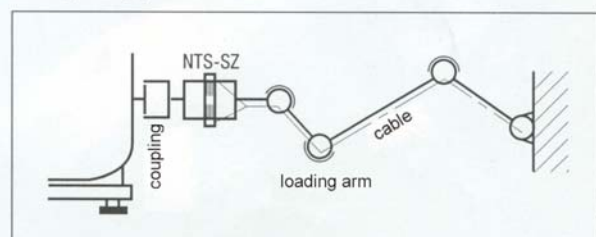
### Advantages:

- user friendly assembly and operation
- automatic release effected reliably and without external force
- exceptional performance from proven technology

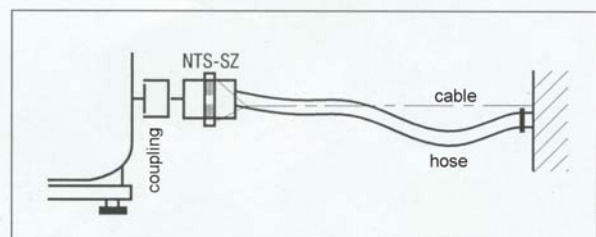
## 5. Technical specifications

- ◆ **Sizes:** 1", 2", 3", 4", 6", 8", 10", 12"
- ◆ **Pressure ratings:** 150 bls - 600 lbs
- ◆ **Connections:** **Thread:** NPT, BSP, ISO;  
**Flanges:** ANSI, ISO;  
others on request.
- ◆ **Materials:** Stainless Steel 316Ti; 304;  
Hasteloy<sup>®</sup>; 316Ti with PTFE  
liner
- ◆ **Seals:** PFE, PTFE, Viton<sup>®</sup>

### Sample applications



Tank truck and rail-tank-car



**EMCO WHEATON**  
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Whilst the content of this leaflet has been edited with the greatest care, we are not liable for any errors or omissions

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