



### **Break Away Sub features and benefits:**

- Simple design
- 3 off shear pins
- Replace complex weak links for typical control lines
- Build around a single port hot stab
- Easily tailormade to specific applications
- Break away at a certain tension load
- Include protection of hydraulic hose both side of break away sub

### **Product verification**

- Different shear pin material and design depending on required break away load
- Testing carried out with good correlation with calculations

### **Technical data for weak link**

Design code	ISO 13628
Size	Prepared for hoses up to 3 inch
Length	570 mm (1/2-inch hydraulic hose)
Overall diameter	240 mm (1/2-inch hydraulic hose)
Design pressure	690 bar limited by stab
Material	Typical duplex or superduplex
Weight	49 kg (1/2-inch hydraulic hose)
Coating	N/A

### **Functional testing**



**Apply load**



**Increasing load**



**Start separation**

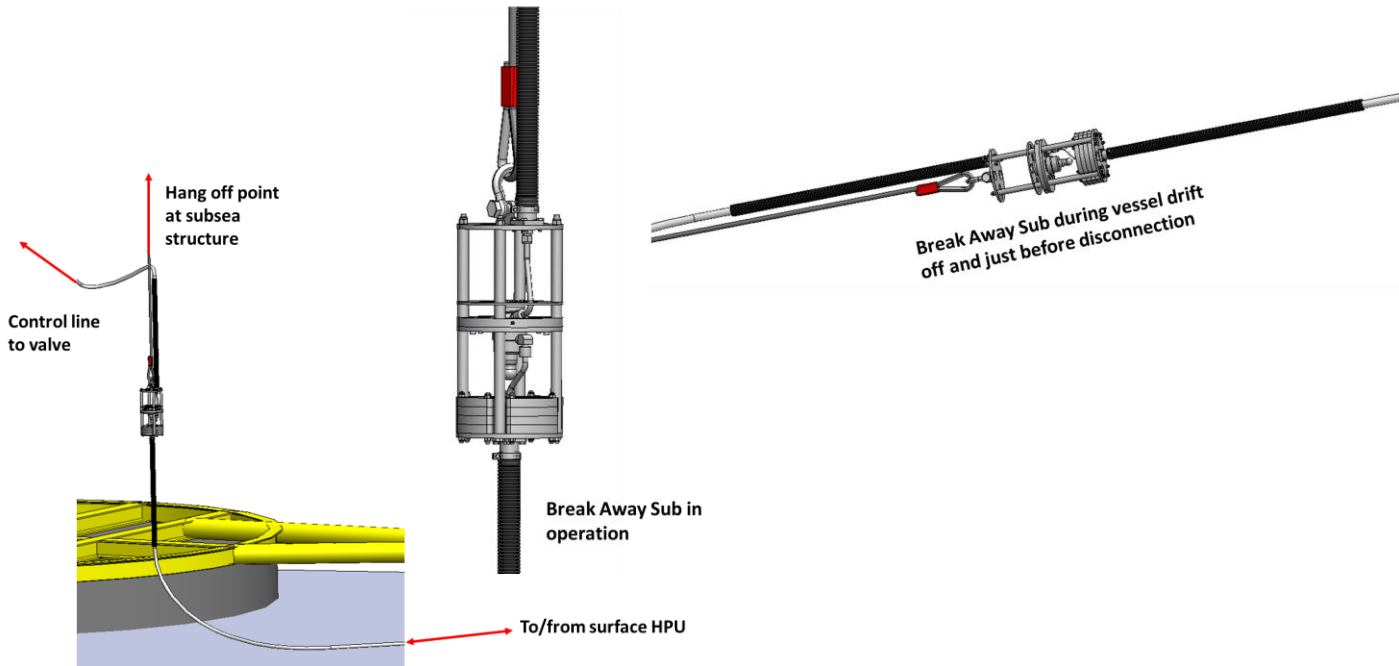


**Separation complete**

# INTERVENTION SYSTEM

## BREAK AWAY SUB

### Illustration of Break Away Sub used for controlling a Safe Closed Valve for a well intervention task



### How it works

An example of use of the Break Away Sub is a delivery to a well intervention system. The Break Away Sub in this case is mounted inline the control line of typical Fail-Safe Closed valve. The Break Away Sub is hung off on the subsea structure with a wire with a capacity exceeding the hose. During drift off the hose will take up a straight-line position from the wire hang-off point to the vessel and at a certain tension load the Break Away Sub will separate without introduction any loads to the valve.