



SIMPLE, RELIABLE AND MORE COST EFFECTIVE

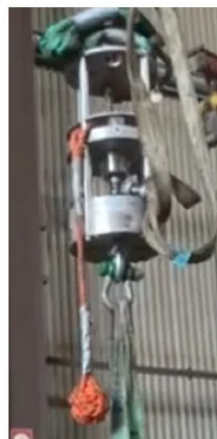
SubseaDesigns Break-Away Sub is a simple, reliable and cost efficient alternative to more complex weak links. Originally designed for protecting hoses during well intervention.

FEATURES & BENEFITS

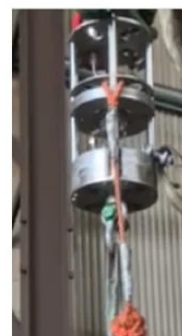
- ✓ Simple design
- ✓ 3 off shear pins
- ✓ Replace complex weak links for typical control lines
- ✓ Build around a single port hot stab
- ✓ Easily tailormade to specific applications
- ✓ Break away at a certain tension load
- ✓ Include protection of hydraulic hose both side of break away sub

PRODUCT VERIFICATION

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



APPLY LOAD



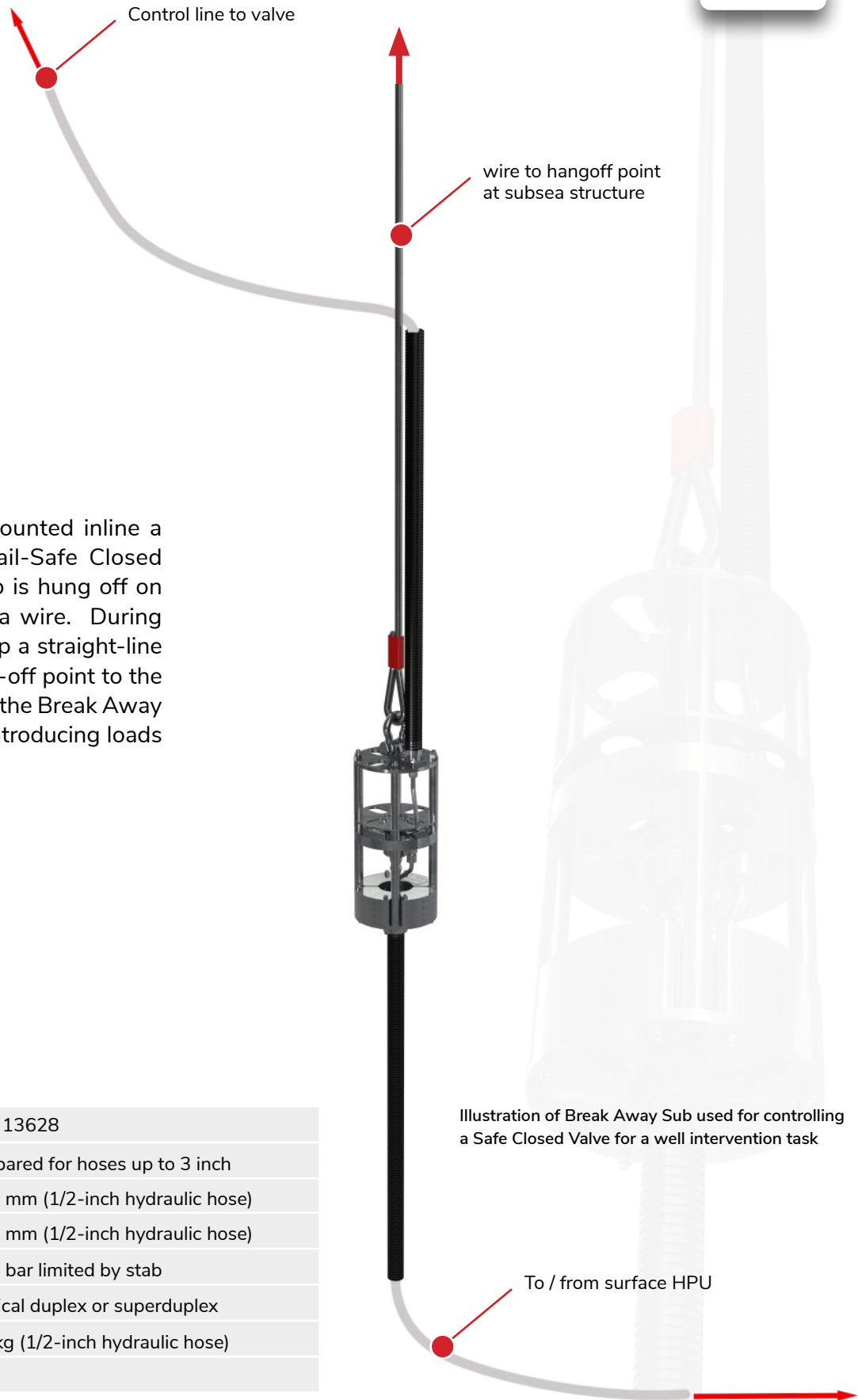
INCREASING LOAD



START SEPARATION



SEPARATION COMPLETE



HOW IT WORKS

An example of use :
The Break Away Sub is mounted inline a control line of a typical Fail-Safe Closed valve. The Break Away Sub is hung off on the subsea structure with a wire. During drift off the hose will take up a straight-line position from the wire hang-off point to the vessel. At a certain tension, the Break Away Sub will separate without introducing loads to the valve.

TECHNICAL DATA

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

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

