

PROTECTING YOUR ASSETS

The SubseaDesign Weak Links are designed to accept internal design pressure in combination with external specified bending moment. At specified load, the Weak Link releases. The Weak Link is easily tailored to your specific applications.

FEATURES & BENEFITS

- ✓ No mechanical devices such as shear pins in combination with seals
- ✓ Designed to accept internal design pressure in combination with external specified bending moment
- ✓ Pure material rupture at specified capacity
- ✓ Strong enough for operation and installation loads and weak enough to protect the well assets
- ✓ Easily tailor-made to specific applications

PRODUCT VERIFICATION

- ✓ Two different materials are used in tests, AISI 4145 and Inconel 718
- ✓ Elastic plastic material curve established by using test results
- ✓ Analyses carried out
- ✓ Testing carried out with good correlation between analyses and test results

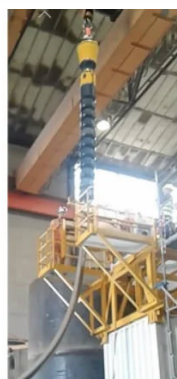
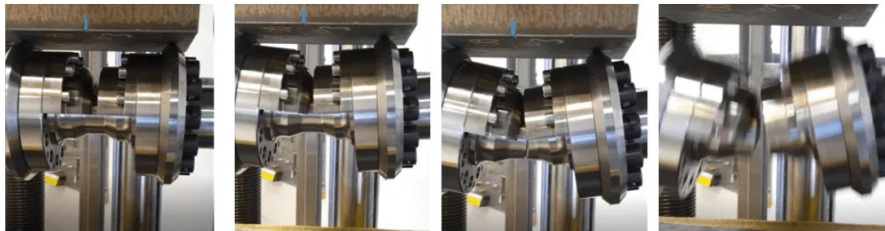


Illustration of intervention hose with weak link during testing prior to delivery

HOW IT WORKS

An example of use of the weak link is a recent delivery to a well intervention system. The weak link is mounted between the hose and the well access system. In the case of vessel drift-off or extreme weather conditions the weak link will break before any high loads are transferred to the well system.

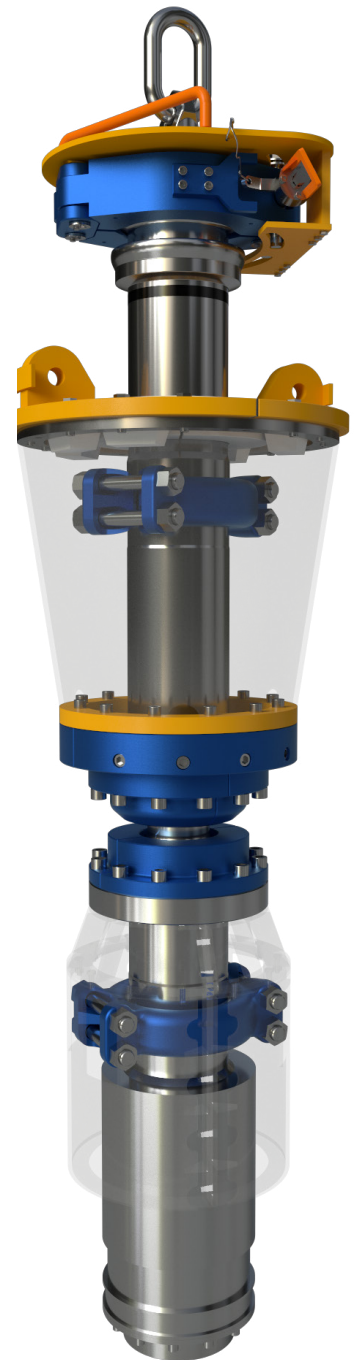
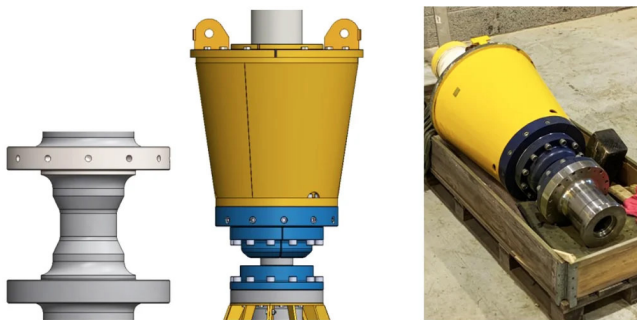


APPLY LOAD

LARGE DEFORMATION

LARGE CRACK DEVELOPED

WEAK LINK SEPARATED



TECHNICAL DATA

Design code	ISO 13628/7
Size, internal diameter	50-125 mm
Length of unit with ID= 101,5 mm ID	235 mm
Minimum wall thickness ID= 101,5 mm	9,1 mm
Design over pressure	690 bar
Material for 690 bar and ID= 100	Inconel 718
Coating	Typical Norsok system 7, or as required

