



PRECISION SUBSEA AS  
**PRODUCT DATASHEET**

**PRESSURE BALANCED OIL-FILLED (PBOF) HOSE**  
**8MM HOSE & MKII FITTING SYSTEM**



*8mm, 13mm & 20mm Hose Fittings*

*8mm Hose & MKII Fitting System*

**DESCRIPTION**

The 8mm hose and MKII fitting system is designed for fiber optic and electric wiring applications where limited space and bend radiuses are major constraints. The clear Polyurethane hose allows easy verification of filling and the arrangement of fiber and electrical wires inside. The hose is designed for extreme kink resistance for reliable routing of fiber optic cables. The hose is self compensating and has the same pressure rating as the 13mm and 20mm MKII hoses.

Fitting and sealing system is identical to the industry standard 13mm and 20mm MKII sizes, but scaled down for compactness. Various interface fittings and splitter boxes allows using the 8, 13 and 20mm components in the same system.

**KEY FEATURES**

- Temperature and pressure compensated
- Design Life: >25 years in operation subsea
- Pressure/Temperature: Self compensating to 3,000m WD
- Single or double o-ring sealing
- Metal to metal sealing
- Swivel Nut. Serrated for easy handling
- Titanium GR2 or AISI316 as an option
- Anti-rotation crimp sleeve system
- MKII compatible through out
- Crimp sleeve electrically connected





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### SPECIFICATIONS

- Hose & Fitting Dimensions ID: 8mm
- Hose Wall Thickness: 3mm
- Minimum Bend radius: 45mm (very good margins against kinking)
- Pressure Rating: 10bar
- Pressure/Temperature Compensating: Self compensating to 3,000m WD
- Working Temperature: -5 to +40°C
- Storage Temperature: -35 to +50°C
- Design Life Subsea: >25 years
- Hose Material: Polyurethane (type compatible with seawater)
- Fluid Compatibility: Silicone oil, mineral oil, synthetic oil & seawater
- Fitting Materials: Titanium GR2 or AISI316
- Fitting Sealing System: Double o-rings & metal to metal seal in fitting interface
- Fitting Crimp Sleeve: Anti rotation & electrically connected (important for AISI316)

### MKII COMPATIBLE HOSE FITTINGS



*Fitting Protector*



*8mm, 13mm & 20mm Fitting*



*Dual O-Ring Seals & Metal to Metal Seal*

### TRACK RECORD

Date	Length	Field	Design Depth	Quantity	Status
August 2011	0.5m & 1.0m	Development System	3,000m	8	Deployed
December 2011	1.5m & 3.0m	Unknown	3,000m	12	Delivered
February 2012	1.5m & 3.0m	Unknown	3,000m	42	Delivered

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