

## Fibre Optic Penetrator



### Description

The J+S fibre optic penetrator offers unique optical properties. Unlike standard fibre optic connectors which may have several interfaces resulting in a higher dB loss, the J+S penetrator offers an uninterrupted pass-through from housings to cables. There is no break in the fibre or consequent loss in the power budget.

The J+S fibre optic penetrator also represents a more cost effective option to a standard subsea connector and offers a more reliable long term product.

The penetrator mounting can be adapted to client requirements so that it can be flange mounted, threaded, or to a client-specific sealing arrangement.

J+S penetrators can also be supplied with pressure compensating hose for deep water application or can be moulded onto client cable.

J+S can provide a complete project service including engineering, test and installation procedures, manufacture, and offshore technician support. We can take your requirement and deliver a complete engineered solution.

### Key Features

- Single mode or multi mode
- Differential pressure up to 30 bar
- Low attenuation <0.5dB
- Flange mounted or threaded
- Seals on individual Fibre and Cable Sheath
- Compliant with offshore zone regulations
- Uses proven “commercial off the shelf” components throughout
- Constructed in 316L stainless steel for excellent corrosion resistance and longevity
- Depth rated to 300m
- Can be pressure-compensated for deep water applications
- Can be used with all standard fibre optic connectors

# Specifications

## Fibre Optic Penetrator



### Product Specification

Rated depth	300 metres
Mechanical construction	316L stainless steel
Mounting	Flange mounted or threaded
Connections	As required by client
Pressure balancing fluid type	As required by client
Compensation method	J+S specified hose
Format	Fully water-blocked
Weight in air	5Kg
Weight in seawater	2.5Kg
Dimensions	370mm (+ hose) x 190mm O/D
Temperature Range	10 °C to 40 °C