

Large Bore Hot Stab

High-flow, low pressure fluid connection interface

The large bore hot stab system provides a fluid connection method for high-flow, low-pressure applications. The system is currently available can be used for transferring typical subsea fluids, including hydraulic oil and corrosion inhibitors. The female receptacle is attached to a subsea structure prior to deployment, connected by a standard API flange, Oceaneering Grayloc[®] hub, or welded directly to the host pipe work.



FEATURES

Available in 2 in, 3 in, 4 in configurations

Rated up to 5,000 psi

Designed based on field-proven technology

Large Bore Hot Stab

High-flow, low pressure fluid connection interface

The female receptacle can be configured for access from both ends to improve functionality. If required, a dummy plug can be installed in the receptacle to protect the sealing surfaces and limit contamination of the system when not mated with the male hot stab.

The male hot stab is ROV-installable and is typically connected to an ROV-mounted injection or pumping skid or a subsea or surface fluid supply. The male hot stab locks into the female receptacle for positive engagement.



Technical data

Piston stroke	7.9 in / 200 mm
Rotary actuator-rotation	100° (restricted to 45° in tool)
Rotary actuator maximum pressure	750 psi (52 bar)
Rotary actuator maximum torque	168 Nm
Piston weight (in air):	81.6 lb / 37 kg

Docking body weight (in air)	15.9 lb / 7.2 kg
Piston force	79 tonnes @ 10,000 psi
Transport information	
Transport case (L x W x H)	31.5 x 23.6 x 23.6 in 80 x 60 x 60 cm
Weight	110 lb / 50 kg