

LARGE BORE HOT STAB SYSTEM

Technical Data/ Specification

	2 Inch System	3 Inch System	4 Inch System
Female Receptacle	2 Inch System	3 Inch System	4 Inch System
Working Pressure Rating ¹	Up to 5,000psi	2,500psi	4,000 psi
Material	Alloy Steel with Inconel inlay (xylan coated)		
Size	Ø17 in x 6 in	Ø8.5 in x 12 in	Ø10 in X 14 in
Weight in Air (approx)	33 lbs	87 lbs	138 lbs
Weight in Water (approx)	28 lbs	75 lbs	126 lbs
Fluid Connection ¹	Grayloc / Flange / Weld		
Male Hot Stab			
Working Pressure Rating ¹	Up to 5,000psi	2,500psi	4,000psi
Material	Stainless Steel	Stainless Steel	Stainless Steel
Size (approx)	Ø5 in X 14 in	Ø5 in X 17 in	Ø6.5 in X 18 in
Weight in Air (approx)	38 lbs	44 lbs	68 lbs
Weight in Water (approx)	30 lbs	38 lbs	56 lbs
Fluid Connection ¹	Grayloc / Flange / Weld		
Dummy Hot Stab			
Working Pressure Rating ¹	Pressure Retaining / Non-pressure retaining		
Material	UHMW / SSteel	UHMW / SS	UHMW / SSteel
Size (approx)	Ø5 in X 14 in	Ø5 in X 17 in	Ø6.5 in X 18 in
Weight in Air (approx)	6 lbs	6 lbs	8lbs
Weight in Water (approx)	2 lbs	2 lbs	4 lbs



*Note: ¹Pressure Ratings and connection methods can be modified for project-specific requirements.

Overview

The Large Bore Hot Stab system has been developed to provide a fluid connection method for high-flow, low-pressure applications. The Large Bore Hot Stab system is currently available in 2 in, 3 in or 4 in designs, and 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, Grayloc Hub or welded directly to the host pipe work. The female can be configured to be accessed from both ends to improve accessibility. If required, a Dummy Plug can be installed in the Receptacle to protect the sealing surfaces and limit contamination of the system. The Male Hot Stab is deployed from the ROV manipulator, and is typically connected to an ROV-mounted injection/pumping skid, or a subsea/surface fluid supply. The Male Hot Stab j-locks into the Female Receptacle for positive engagement.