

Secc



API 17H/ISO 13628-8

Type 2 Hot Stab HD

Technical Datasheet

 **CYGNET GROUP**
COMPANY

API 17H Type 2/ISO 13628-8 Hot Stab HD and Receptacle Datasheet

DESIGN BASICS			
Coupling Type	API 17H Type 2 / ISO 13628-8 Type A Dual Port Hot Stab HD and Receptacle		
Coupling Size	1-3/8" x 1-3/4" Dual Port		
Bore Size	3.2 mm		
Pressure Rating	Up to 20,000 psi (1379 bar)	Test Pressure	Up to 30,000 psi (2069 bar)
Max Operating Depth	3048 m (10,000 ft.)	Operating Temperature	-18°C to +66°C
Flow Path	90°		
Design Code	API 17H / ISO 13628-8		
Material Classification	API 6A & API 17D PSL 3 PR2 for Other End Connectors (OEC) – PSL 3G available on request		
Quality Assurance	API material class FF (HH available) in accordance with NACE MR0175		
Certification Level	EN 10204 3.1 (EN 10204 3.2 available on request)		
Operational	Passive		
Breakaway Control	J-lock option. Pressure balanced		
Load to Disconnect	≈ 25kg		
Mounting	Horizontal or vertical (mounting flange or side mounted receptacle design)		
Installation	Via ROV handle (interface in-line with ISO 13628-8)		
Alignment Method	Anti-jamming nose, 360° rotation alignment		
Design Life	25 years (metallic components)		
Additional Features	High strength flexible handle mechanism		
Options Available	Xylan / Molybdenum protective coating, Stab soft guide nose		
HANDLE PERFORMANCE			
Maximum Force Applied in any Direction	2.2 kN	Maximum Torque	300 Nm
BASIC WEIGHT AND DIMENSIONS			
Stab Dimensions	20,000 psi – Live Hot Stab w/D-Type Handle: 633 mm (L) x 153 mm (W) x 111 mm (D)	Receptacle Dimensions	20,000 psi – Live Receptacle: 215 mm (L) x 101.6 mm (W) x 101.6 mm (D)
Stab Weight in Air	8.7 kg	Receptacle Weight in Air	11 kg
CONNECTION DETAILS			
Connection Methods	ROV/Diver. D-type, T-bar, X-bar handles available		
Stab Inlet Connections	3/8" HP Autoclave – others available	Receptacle Outlet Connections	3/8" MP Autoclave – others available
MATERIALS			
Receptacle	SS316, SD S32760, Nitronic 50, Nitronic 60 or 17-4PH	Fasteners	Super Duplex S32760
Stab	Super Duplex S32760	Non-Pressure Bearing	Super Duplex S32760
Elastomeric Seals	HNBR		
TESTING REQUIREMENTS			
Pressure Test	API 6A PSL 3 (3G Available)	Impact Testing	ASTM A370
Qualification Test	API 6A, 17D PSL 3 PR2	Hardness Testing	ASTM E10 / ASTM E18
Ultrasonic	API 6A PSL 3	Magnetic Particle	API 6A PSL 3
Dye Penetrant	API 6A PSL 3	Radiography	As Required
Corrosion Testing	ASTM G48 Method A		
WITNESS REQUIREMENTS			
Customer Witness	Available	Third Party Witness	Available at additional cost
PAINTING REQUIREMENTS			
Painting Specification	Norsok M501 System 7	Colour	Handle - Orange RAL 2004
NOTES / ADDITIONAL REQUIREMENTS			

These figures are based on known and estimated data. Secc reserves the right to change specifications without notice.

Figure 1 – Dual Port Hot Stab HD and Receptacle with Handle Configurations

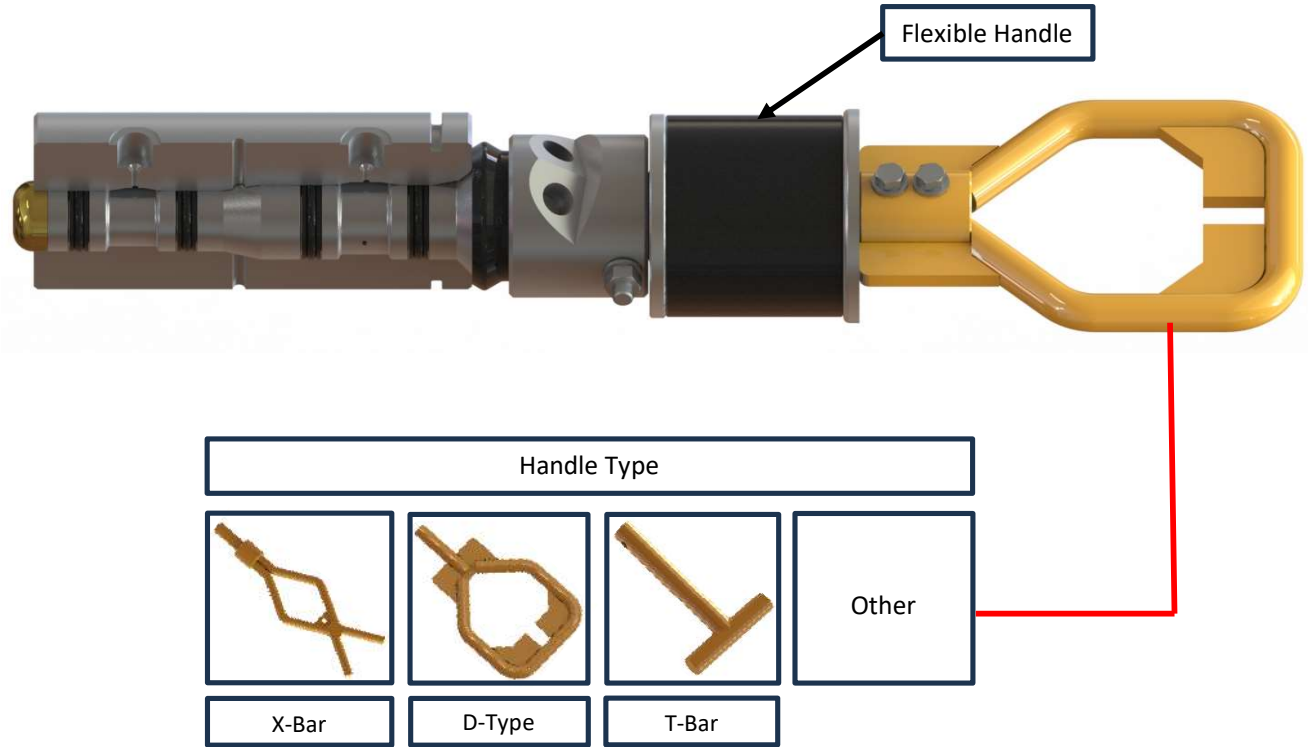


Figure 2 – Dummy Hot Stab HD (Pressure-Retaining)



Figure 3 – Dummy Plug Stab (Non-Pressure-Retaining)



Figure 4 – Live Receptacle and Mounting Flange

