BLUE LOGIC

001 ZERO SPILL TO SEA

Automatic emergency disconnect with auto-close of valves if drift-off occurs; ZERO spill to sea - NO water ingress

002 HIGH FLOW – HIGH PRESSURE

3" full bore ensure high flow capacity combined with pressure rating up to 10 000 Psi / 690 Bar

003 FAIL-SAFE-CLOSE

Valves at both stab and receptacle subject to rapid closing upon emergency disconnect.

BLUE LOGIC AUTO RELEASE SYSTEM

High-flow connector for riserless well intervention with no-spill emergency quick disconnect

004 DNV-GL CERTIFIED SYSTEM

Type approval certificate for well intervention according to API 17D issued by DnV-GL

005 FIELD-PROVEN TECHNOLOGY

Based on Blue Logic's patented ValveStab technology and subject to continous development since 2016

006 DOUBLE PRESSURE BARRIER

Rugged sealing system approved for operation at subsea wellhead and Christmas tree equipment.

007 ADJUSTABLE RELEASE FORCE

Release force for auto release adjustable from 1 to 4 ton. Gimbal feature allows for 20° tilting from vertical axis when connected.

008 ROV OPERABLE

Environmentally friendly water based hydraulic for connect/disconnect via Hot Stab connected to water pump at ROV

009 INTERFACE FOR COMMS, EL-POWER AND HYDRAULICS

Quick connect/disconnect interfaces for data communication, electrical power and hydraulics available using Inductive Connectors and Hot Stab & Receptacle. Will auto-mate/demate as the system is connected/disconnected

BLUE LOGIC AUTO RELEASE SYSTEM

Combining the field proven Blue Logic ValveStab™ System with an Auto Release Mechanism designed for riserless well intervention.
High-flow, high pressure connector system with automatic disconnect if the combined hose and wire system pulls the Stab and Cradle apart.

The Auto Release Sequence (fail-safe close) is a two-step event; in the first step the valves are closed, in the second step Stab and Cradle is unlocked from each other and free to be pulled apart. The system is resettable subsea after an Auto Release Sequence. Simply reinsert the Stab into Cradle with ROV.

Should the Auto Release feature fails, an additional emergency release mechanism will be activated once the pull force exceeds 8 ton. After such event, the system must be retrieved to surface for replacement of shear pins.

Article No.	BA6163 Auto Release Vstab (male)	BA6552 Auto Release VStab Cradle (female)
Overall dimensions	Ø480 x 1817 mm	1445 x 1292 x 528 mm
Weight in air	493 kg	984 kg
Design pressure	690 Bar / 10 000 Psi	
Test pressure	1035 Bar / 15 000 Psi	
Fluid compatibility*	Acid, MEG, Base oil, Brine, Seawater, Water ++	
Interface flange	API 4-1/16	
Design standard	ISO 13628-4	
Auto release force	Adjustable 1 – 4 ton	N/A
Emergency release force	8 ton	N/A
ROV interface	ISO A SP Hot Stab Receptacle	N/A
Hydraulic fluid for ROV operation	Water or hydraulic oil	N/A
Electrical Power Transfer	2x250W (Input 110VAC, Output 24VDC) **	
Commuinication	2x100Mbps Ethernet + 2x 230kbps serial **	

* Complete list of fluids available upon request
** Optional

BA61613 Auto Release VStab

BA6552 Auto Release VStab Cradle