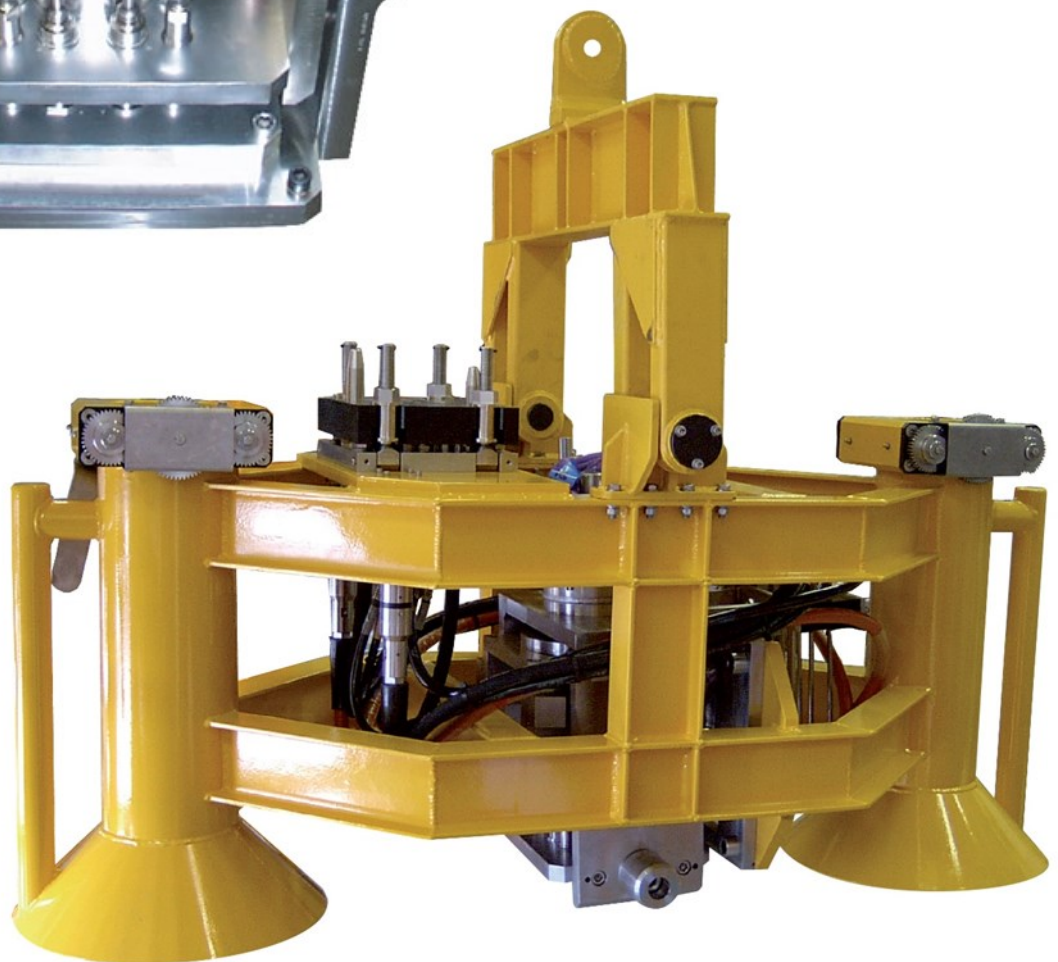




Mechanical Emergency Quick Disconnect Unit (EQDU)

FULL PRODUCT SPECIFICATION

This unit is comprised of an electro-hydraulic stabplate assembly. The male fixed plate is mounted to the interface between the B.O.P or alternatively the deployment basket. The fixed plate is populated with male hydraulic couplers and electrical connectors, in addition the plate is equipped with coarse and fine alignment.

The free plate is mounted to the breakaway structure or LMRP unit and populated with female hydraulic couplings and electrical connectors which are connected to the work over umbilical via tubetails and cables respectively.

The emergency disconnect package is designed to operate via a controlled breakaway induced by a tugger wire from the surface in the event of an emergency. The plate design incorporates primary (coarse) guidance achieved through the interface to the structure followed with primary (fine) guidance which is designed into the stabplate assembly ensuring fine alignment prior to coupling engagement and locking carried out by an ROV.

DESIGN FEATURES

- ROV locking & unlocking mechanism
- ROV locking and emergency disconnect
- Specified to suit exact system requirements
- Designed to operate with couplings pressurised or de-pressurised
- Non-destructive design
- ROV re-connection design
- A.P.I 17D ISO 13628-1 Class 4 rotary actuator receptacle
- 1.5 tonnes nominal separation force (adjustable)
- Full project list available on request

GENERAL

System Pressure (MWP)	Up to 15,000psi
Hydraulic Connectors	12
Electrical Connectors	4
ROV Interface	CLASS 4 Torque Tool
Misalignment	$\pm 10^\circ$
Misalignment	40mm X + Y

MATERIALS

Stabplates	UNS S31803
Couplings	Nitronic 50 HS

