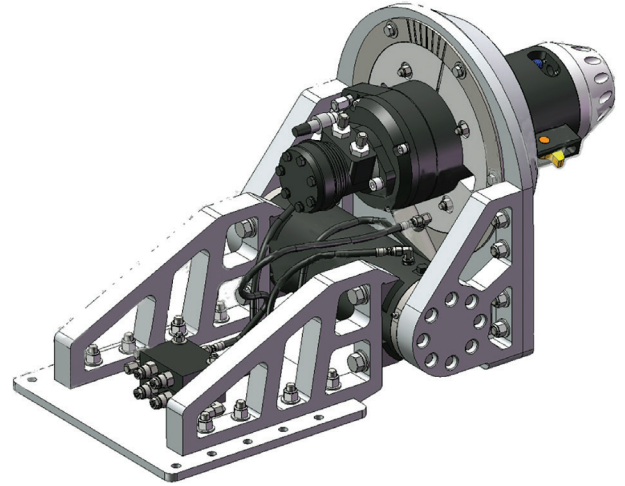


# Upright Flying Lead Orientation Tool

The FLOT tool is designed to operate in conjunction with a torque tool and is used to orientate and guide flying leads into stab plate connections. The FLOT tool is designed to take the FET Class 1-4 torque tool, but can accommodate similar tools from other manufacturers. A rotary actuator allows a pitch alignment of plus 60 or minus 90 degrees with a load of up to 250kg attached. The tool is also equipped with a roll alignment function giving a rotation of plus or minus 15 degrees.

The FLOT tool is compact and the tool mounting base is supplied with a selection of mounting holes for mounting within the forward structure of the ROV. The pitch and roll actuators are controlled from the ROV's spare directional control valves.



## Specifications

Weight in air/water:	77 kg/57 kg (169 lbs/125lbs) (excl torque tool)
Pitch:	+60, -90 degrees
Rotation:	+/- 15 degrees
Payload Capacity:	250kg (550lb) mounted on torque tool, through full range of travel
Hydraulic control from ROV:	Two off bi directional solenoid control valves plus drain
Operating Fluid:	Hydraulic Oil
Operating Pressure:	207 bar (3000 psi)
Hydraulic Fittings:	JIC or Swagelok

# Upright Flying Lead Orientation Tool

## Part Numbers

TL0017-0000-00	Upright Flying Lead Orientation Tool
TL0017-0800-00	Basic Spares Kit
TL0017-5000-00	Extending Deck for flying lead tool
TL0017-2000-00	Adaptor to allow fitment of Oceaneering Tool
TL0017-3000-00	Adaptor to allow fitment of Petrobras Tool

## Features

- +/- 15 deg roll angle
- plus 60 minus 90 deg pitch
- Counterbalance Valve on both actuators.
- 250kg Payload
- Supplied in offshore suitable transit case

## What's in the box

- Flying Lead Orientation Tool
- Adaptor to fit Forum Torque Tool
- Supply and return hoses.
- Operations & Maintenance Manual

