

## 5 FUNCTION MANIPULATOR SKID

Dimensions:

Length: 40"/1000mm  
Width: 23-5/8"/600mm  
Height: 7-7/8"/200mm

Weight in air: 77lbs/35kg

Lift capacity at full reach:  
22lbs/10kg

Maximum torque: 8Nm with a  
system pressure of 80 bar.



The unique 5 function manipulator arrangement gives excellent dexterity for a small arm and greatly enhances the operational capability of SeaView's Falcon DR ROV. It is ideally suited to retrieval and salvage work as well as sample collection.

The Falcon 5 function manipulator skid contains a small hydraulic power pack, a pressure compensation bladder and valve pack fitted with 5 bi-directional solenoid valves to operate each of the manipulator's 5 functions. Attachment to and removal from the vehicle is very quick, with power and control supplied from the ROV to the skid via a single connector. Additional buoyancy is built into the skid to compensate for its additional weight.

The manipulator functions are operated by a dedicated hand controller and include 90° shoulder rotate and 180° jaw rotate. The jaws incorporate a ¼-inch rope cutter.

