



ROV Suction Foot

Ideal for securing ROVs against subsea structures

The suction foot can hold an ROV to smooth surfaces such as ship hulls, submarines, platform tubulars and pipelines. The high level of grip makes it suitable for a wide range of inspection and cleaning ROV tasks.

The attachment arm is a three function manipulator consisting of shoulder pitch, jaw and extend. The arm may be used in addition to standard ROV manipulators or as a low-weight substitute manipulator.

The foot has a flexible polyurethane moulded cup, tolerant of marine growth and crustaceans, and able to attach to curved surfaces down to 400mm (16in) diameter. The cup is abrasion and tear resistant. The cup is mounted on a ball swivel joint to ease self-alignment on the target surface. The swivel can be hydraulically locked once suction is achieved, for greater rigidity.



Applications

Subsea ROV operations

Features

High level of grip

300mm / 11.8in diameter suction cup

Suction cup mounted on lockable swivel

In the box

Attachment arm with foot

Low pressure pump

Control manifold

Operational hoses

Operations and maintenance manual

ROV Suction Foot

Specifications

Suction Foot OD workpiece diameter	300mm / 11.8in
Workpiece diameter	Flat to 400mm / 15.7in diameter
Ball joint resistance	1100Nm at 50bar / 725psi
Suction force	1950kgf at 3bar / 43.5psi
Suction force	720kgf at 1bar / 14.5psi
Weight in air	45kg / 99.2lbs
Weight in water	35kg / 77.1lbs
Lift at maximum reach	56kg / 123.4lbs
Maximum reach	1680mm / 66.1in
Extend	330mm / 13in
Shoulder yaw & pitch	180 degrees

