

## Subsea Tooling Services 3" *Gremlin* Dredger



- Can be mounted to any Work Class / Observation Class ROV safely and quickly
- Optimum dredging up to 40mm rocks
- Easily adapted to ROV or Diver use
- Self-standing frame
- Cam-Lock hose connectors for quick & easy connections
- Twin balanced shaft bearings which prolongs hydraulic motor life
- Depth compensated bearing housing provides unlimited depth
- Lightweight design

### Operational Specification

Hydraulic Flow	15* – 20 Litres per minute (* Minimum Flow)
Optimal Hydraulic Pressure	150 – 200 Bar
Gross Water Flow	110 m <sup>3</sup> /h 1833 L/pm
Removal Capacity Sand m <sup>3</sup> /h (Tons Per Hour)	18 m <sup>3</sup> /h ( 22 Tons per hour)
Removal Capacity Rocks m <sup>3</sup> /h (Tons per hour)	9.3 m <sup>3</sup> /h (15 Tons per hour)
Unrestricted Diameter	75mm
Dimensions of Dredger L x W x H x W Kg	1100mm x 125mm x 320mm x 27 Kg (Weight in Water = 18 Kg)
Dimensions of Transit Case L x W x H	1170mm x 370mm x 560mm
Hydraulic Hoses Supplied	3 x ½" Certified Hose's 3000mm Long c/w 8 JIC Female Swivel Ends

\* Removal capacity is theoretical; removal rates will vary depending on the type of seabed being dredged.

The STS 3" Gremlin system is a completely new concept in performance dredging. Its unique features make it the most efficient 3" dredger on the market saving both vessel and operational time.

The dredger can be easily mounted to the host ROV using its dedicated interface frame or mounted to the standard STS dredge deployment frame for diver use.

While optimum performance has always been a priority with this system, safety has also been a top priority. As such the *Gremlin* features a self-standing frame which means the dredger will sit upright on its own, which will help avoid manual handling injuries whilst fitting the dredger to the ROV or deployment frame.

Optimum performance is achieved by utilising the latest fluid dynamic research.

