

## Subsea Tooling Services 4" Gremlin Dredger



- Can be mounted to any Work Class / Observation Class ROV safely and quickly
- Certified ROV mounting frame for fast mobilisation & on deck turnaround
- Internal depth compensator
- Optimum dredging up to 80mm rocks
- Easily adapted to ROV or Diver use
- Self-standing frame
- Cam-Lock hose connectors
- Twin balanced shaft bearings which prolongs hydraulic motor life
- Can be fitted with back flush blanking plate for cavity jetting
- Optional pressure retaining backflush valve (PRBV)

### Operational Specification

Hydraulic Flow	20 – 50 Litres per minute
Optimal Hydraulic Pressure	150 – 200 Bar
Gross Water Flow Through Ejector	150 m <sup>3</sup> /h 2500 L/pm
Removal Capacity Sand m <sup>3</sup> /h (Tons per hour)	23.4 m <sup>3</sup> /h ( 30 Tons per hour)
Removal Capacity Rocks m <sup>3</sup> /h (Tons per hour)	17 m <sup>3</sup> /h (20 Tons per hour)
Unrestricted Diameter	100mm
Dimensions of Dredger L x W x H x W Kg (inc exhaust)	2000mm x 150mm x 350mm x 30 Kg (Weight in Water = 37 Kg) Weight with PRBV – 65 Kg
Dimensions of Transit Case L x W x H	1600mm x 550mm x 700mm
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 4" *Gremlin* system is a completely new concept in performance dredging. Its unique features make it the most efficient 4" 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.

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 up right on its own frame, which avoids

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

