

## Subsea Tooling Services – Subsea Winch System



Controlled via 3 Port Hydraulic Hot Stab

- 2-part rigging
- Twin drive slew pinion enabling 360° rotation
- Gravity base has the potential to have a gross weight of 60T
- 30T, SWL (gross weight 10T) winch, a further 20T of weights can be added
- Alternative options of line pull available
- Vented floor to minimize suction
- Other winch sizes available on request, ranging from 15 T - 50T
- Suitable crash frame
- Depth compensated winch gearbox, winch motor & slew motor case drain
- Optional intelligent winch system control

SWL	Rated 30T on bottom (1st) layer
Wire Rope Capacity	<350m of $\phi$ 36mm
Working Pressure	200 bar at maximum rated load
Hydraulic Flow Rate Maximum	<350 Ltr/min
Drum Dimensions Core	$\phi$ 660mm
Flange Depth	310mm
Hydraulic Interface	2 x 43mm Hydraulic Female Receptacles c/w zero leak check valves
Spooling Gear (Level wind)	Designed for both horizontal and vertical rope fleeting angle $< \pm 7.5^\circ$ at maximum line pull on bottom layer (All Stainless Steel Construction)
Drive Motor	Axial piston
Braking	Auto-failsafe, spring applied disc brake on drive motor
Gearbox/Gearing	Planetary gear
Construction	Carbon steel welded and bolted construction
Unit Dimensions (mm)	Length 5500mm Width 3750mm x Height 3220mm (to top of crash frame)
Shipping Weight	37000 Kg (30 Ton Winch Fitted)

The STS Subsea Winch System has been designed with an innovative gravity base providing full 360° rotation that allows 30T line-pull in a variable wire take-off angle. No further stabilisation is required following deployment, allowing efficient and reliable mobilisation. Key to its design is the all-in-one setup, helping to ensure continuous subsea operations and reducing the likelihood of equipment failure.

The subsea winch gravity base has the potential to have a gross weight of 60T, eliminating the need for additional fastening or grillages. With a 30 tonne safe working load (gross weight 10T) winch, a further 20 tonnes in weight can be added. The winch is controlled via HotStab by either a remotely operating vehicle (ROV) or a surface deployed 3 core umbilical.

Alternative options of line pull are available. A vented floor prevents suction, there is a suitable crash frame, and the winch is fully depth compensated. Winch sizes range from 15 Ton, 30 Ton, & 50 Ton.