



for umbilical handling

Powered Sheave

SPT Offshore



SPT operates 4 powered sheaves for umbilical handling. These sheaves assist our offshore suction crew with the lowering and pulling up of the umbilicals. The sheave radius suits the minimum bending radius of the umbilical which protects the umbilical from uncontrolled bending.

The system has a pull capacity of 500 kg, which is sufficient for lifting 500m of submerged umbilical.

For easy transport 4 sheaves can be stored in a transport frame. The transport frame can be fitted into a 20' standard transport container.



Specifications Powered Sheave for umbilical handling

Sheave details

- Radius sheave: 650 mm
- Height axis above deck: 1200 mm
- Total height: 1850 mm
- Pull capacity: 500 kg
- Suitable umbilical dia: 38-42 mm
- Rubber blocks: 60-65 shor
 - V groove width: 70-125 mm
 - Height: 100 mm
- Rotation speed: 35 m/min
10 rot/min
- Weight (per unit): 300 kg

Transport frame details

- Dimensions: 220 x1560x2017mm
- No of sheave in frame: 4 no's
- Total transport weight: 1.5 mT
- Rigging: 4x2.5 mT (slings + shackles)

Pole dimensions and footplate

- Pole dimensions: 100x100 mm
- Pole height: 770 mm
- Footplate: 350x350 mm
- Connection to channel: 4 x M16 bolts
- Channel dimensions: 350x100 mm

Power requirements

- Sheave powered by: 440V – 60Hz
400V – 50Hz

Cable

- generator to power distribution block: 1x50m (dia 4x10mm²)
- distribution block to sheaves: 4x50m (dia 4x2.5mm²)