

# Slickline Telescopic Mast

## 50 ft - SWL 8,800Lbs

The WILITEC wireline mast has been designed for your offshore slickline and cased hole logging activities.

The mast is fabricated from a base frame skid mounted with two folding outrigger and a hydraulic telescopic mast under design criteria such as wind speed and high safe working load SWL. The control for erecting the mast is on the base frame. The shape of the boom is from a high tensile steel structure rectangular type.

Easy installing,  
performance,  
safety and efficiency

### Dimensions (Transportation) & Weight

50ft Mast

Max. dimension (L x W x H)	m	5.00 x 1.20 x 2.00	ft	16.40 x 3.94 x 6.56
Max. weight	kg	2,500	lbs	5,500



## Design, General

- Wire line hydraulic mast 4 sections boom telescopic
- Max wind speed rigging up/down : 25 mph
- Max wind speed operational, unguyed : 30 mph
- Max wind speed operational, guyed : 60 mph
- Safety working load at height fixture : 8,800lbs (4,000kg)
- Max line pull : 4,400lbs (2,000 kg)
- Design temperature : Td = -20°C
- Environment temperat : -20° to 55°C
- Padeyes frame designed & certified as per DNV2.7-1/EN10855 Sect lifting.
- Forklift pockets 200mm x 90mm
- Sandblasting SAE2.5 & Offshore painting 3 layers with primary inorganic zinc and hard top

## Dimensions & Outrigger

- When transported; L 5.00m x W 1.20m x H 2.00m
- Weight maximum : 2,500 kg
- Manually operated triggers
- Outrigger width 4.27 m
- Outrigger length 1.69 m

## Winch System & Boom Length

- 2,000 kg capacity winch c/w swivel hook and cable
- Hydraulic motor driven, planetary gear reduction with hyd. brake
- Sheaves at mast crown diameter : 1 x 450mm
- Boom Length : Min 5.00m ~ Max 14.81m
- Max Working Height : 15m
- Boom erection in about 25sec.
- Hook Speed 30m/min
- Wire Rope galvanized 54m min. Hercules 19x7 diameter 12mm

## Controls

- Proportional valve with multiple control, spring centered spool type with pressure relief valve
- Model/mfg : MC3/3, Parker or equivalent
- Rated oil flow : 50 lpm
- Max. Pressure : 210 kg / cm<sup>2</sup>
- Control panel boom up/down ; rise / lie column; winch up/down

## Options

- 4 jacking Castors fitted on the base
- Extension 10ft with JIB
- A2B system hydraulic
- Guy wires & tirfor (x4)
- Slings set 5 legs with shackles
- Marking, color, logo customized
- Load Control Ratchet 4tons x3m (x4)

## Safety Devices

- Counter balance valve for topping and telescopic cylinders
- Hydraulic brake for winch reduction gear
- Swivel hook safety latch
- Pulley assy with locking pins



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