

# Wireline Mast

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

The masts, in range of 40ft to 80ft have a maximum wireline pulling force of 4400lbs in standard.

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.

## Dimensions & Weights

### 40ft Mast

dimension (L x W x H)	m	3.95 x 1.2 x 1.77	ft	12.9 x 3.9 x 5.8
weight	kg	1500	lbs	3306

### 80ft Mast

dimension (L x W x H)	m	9.8 x 1.5 x 2.6	ft	32.1 x 4.9 x 8.5
weight	kg	6000	lbs	13227

Easy installing,  
performance,  
safety and efficiency



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## 40ft Mast Tech & Specs

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### Design, General

- Wire line hydraulic mast
- Max wind speed rigging up/down : 25 mph
- Max wind speed operational, unguyed : 30 mph
- Max wind speed operational, guyed : 50 mph
- Safety working load at height fixture : 11,000lbs (5,000kg)
- Max line pull : 1500 kg
- Design temperature : Td = -20°C
- Environment temperature : -20° to 55°C

### Dimensions & Outrigger

- When transported; L 3.95m x W 1.2m x H 1.77m
- Weight : 1500 kg
- Manually operated triggers
- Outrigger width 4.27 m
- Outrigger length 1.75 m

### Winch System & Boom Length

- 1500 kg capacity winch c/w swivel hook and cable
- Single line pull 1350 kg
- Sheaves at mast crown diameter : 1 x 450mm
- Boom Length : Min 4.12m ~ Max 11.80m
- Max Working Height : 12.80m

### Options

- 4 jacking Castors fitted on the base
- Extension 10ft with JIB

### Controls

- Proportional valve with multiple control, spring centered spool type with pressure relief valve
- Model/mfg : MC3/3, Parker, Korea
- Rated oil flow : 50 lpm
- Max. Pressure : 210 kg / cm<sup>2</sup>

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## 80ft Mast Tech & Specs

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### Design, General

- Hydraulic mast
- Max wind speed rigging up/down : 25 mph
- Max wind speed operational, unguyed : 30 mph
- Max wind speed operational, guyed : 50 mph
- Safety working load at height fixture : 11,000lbs (5,000kg)
- Mast length; Min 9.7m ~ Max 22.7m
- Mast Height 79ft 9"
- Max. Hook Height 75ft

### Dimensions & Outrigger

- Dimension when transported; L 9.8m x W 1.5m x H 2.6m
- Weight; Maximum 6000 kg
- Manually operated triggers
- Outrigger width 4.7m

### Winch System & Boom Length

- 2 x 1995 kg (4400lbs) capacity winch c/w swivel hook and cable
- Single line pull : Max. 1995 Kg (4400 lbs) at 4<sup>th</sup> layer

### Controls

- Proportional valve with multiple control, spring centered spool type with pressure relief valve
- Rated oil flow : 50 lpm
- Max. Pressure : 250 kg / cm<sup>2</sup>

certificate by



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