

# WIRELINE 90 FT MAST

## Boom Skid frame - 2 :

### WIRELINE 90 FT MAST

#### Overall Dimensions Assembled :

Meters : L 15.21 / W 2.2 / H 2.1 for 90 ft configuration  
          : L 9.01 / W 2.21 / H 2.1 for 70 ft configuration  
Weight : 24,244 lbs / 11 Metric Ton

#### Operational Dimensions :

Working height : 21.34 m (70.0 ft)  
                          to  
                          27.43 m (90.0 ft)

#### Features :

Unit is designed with the ultimate flexibility for performing wireline operations, compact design, robust, stand alone operation & transportable weight.

Unit has four lifting points for crane handling, integral forklift pockets for ground handling.

#### General :

Mast unit is constructed in high grade steel tubing frame work and has been specially designed for offshore applications.

Unit is sturdy comes in a single piece configuration with three section telescopic boom assembly, designed for use as a self Jacking (standing) & self supporting structure for wireline operations.

Mast is fitted with two cargo hydraulic winch & one man rider winch (optional) 12,000 lbs & 4,408 lbs with an internal brake and fast re-spooling system. Positive hydraulic boom locking.

One storage/tool box is provided with the mast frame. Mast can be rig-up within 20 to 25 minutes by two trained and certified operators.

#### Safety :

During Rig-up and Rig down: Max wind speed 25 to 30 mph. Mast should be secured with deck all the time with the help of additional guy ropes.

During operation: Max wind speed with guy ropes 60 mph.

**Operation :** Mast is hydraulically erected.

#### The Operator Console :

Stainless Steel colour coded engraved with english letters.

#### Hydraulic :

Operation of Mast can be done from standard open-loop hydraulic power pack. Requires 40 Gpm @ 3000 psi

Aeroquip or Holmby hydraulic quick connectors fitted.

#### Boom Skid frame - 1 :



#### Mast Capacity :

Maximum lifting capacity by cargo winch : 11,000 lbs.  
Maximum lifting capacity by auxiliary cargo winch : 6,000 lbs.  
Max lifting capacity by man rider winch : 625 lbs.  
Column load SWL : 22,000 lbs.

#### Optional Accessories :

- Light weight 27 hp diesel engine driven hydraulic power pack.

#### Optional Items :

- One 4,500 lbs winch with emergency lowering for Man riding.
- Spare wireline sheaves 2 x 7/32".
- 2 x 5/6" wire rope sheave to be provided for running wireline overhorse head.
- Air Driven power pack.
- Shock-Absorbing Lanyard, Full body harness vest style standard & Self-Retractable lifeline 310 lbs (Climbing safety) for fall protection of climber.
- Anti-two-block safety for high hook warning.

#### Painting :

- All steel materials are sandblasted to Sa 2 1/2, and are painted with three stage painting process with inorganic zinc primers and customer supplied color code single stage Jotun hard top.

