



# ***IDS LOAD SAFE 2K***

***Present Drill Rods Skid Mounted***

***Independent Drilling Supplies***

## IDS LOAD SAFE 2K INTRODUCTION



The IDS Load Safe2K is hands free tool for presenting drill rods to drilling rig with tilting head,. The skid mounted Load Safe 2K is capable of lifting rod up to 2000 kg and 6 mts length. With the storage arms extended, the load safe 2K ample the rod storage capacity for 16 x 4,4" rods with a length of 6mts (96 mts total).

The Load Safe 2K can pick up and deposit on the rack at any time, provided there is sufficient space. The hydraulic lift clamp and roller assembly mounted at the end of the boom allow the rods to be guided with the roller when needed and also clamped to assist in making and braking rods with the drill head. The load safe 2K is operated from the control panel mounted at the rear of the boom, where the operator is safely positioned away from all moving parts and excellent view of entire machine.

The inclusion of "IDS" (Innovation, Development & Safety) technologies suggests integrated features focused on enhancing drilling performance and ensuring worker safety.



## IDS LOAD SAFE 2K CARRIER & DIMENSIONS



- **Jack Legs**
  - 4 x4" Heavy Duty cylinder
  - Pilot check & flow fuse safety valves.
  - Extra large pads for better ground stability
- **Transport dimensions**
  - length 7,400mm (24,3ft)
  - Width 2,800mm (9,2 ft)
  - Height 2,900mm (9,5 ft)
  - Weight 12,000 kg (24,000lb)
- **Working dimensions**
  - length 7,400mm (24,3ft)
  - Width 3,400mm 11,2 ft)
  - Height 2,900mm (9,5 ft)
  - Weight 12,000 kg (24,000lb)



# IDS LOAD SAFE 2K MAST



- **Mast**
  - Welded tubular section
  - One 3.5" Mast Raise Hydraulic Cylinder
  - Max Mast Angle 26 degrees
  - Maximum Mast Lift Capacity 2000kg ( 2200lb)
- **Carriage**
  - Chain Driven Rod Carriage
  - Maximum Push/ Pull Force 30KN ( 6700 lb )
  - Hydraulic Rod Clamp for Pulling Rods
  - Carriage Travel 6 m ( 19.6 ft )
  - Carriage float system for push and pull operations
- **Rod Clamp**
  - Hydraulic Rod Clamp for clamping rods to Screw or Unscrew from Rig
  - Maximum Clamping Diameter 7"
  - Clamp Can be raised and lowered through 120 degrees
  - Floating design allows clamp to float +/-100mm (protect threads)
  - Replaceable Jaw Inserts
  - Clamping Cylinders can be raised or lowered to suit different rod diameters.
  - Guide Roller for guiding rods to / from mast



## IDS LOAD SAFE 2K ROD ARM



- **Rod storage**
  - Rod load capacity 5000kg (11000lb)
  - 16 rods, 4,5" diameter and 6m long.
  - 10 rods, 7,0" diameter and 6m long.
- **Rod Selector**
  - Hydraulically activated Rod Stoppers and kickers for hands free rod transfer to and from the mast.



# IDS LOAD SAFE 2K FEATURES



- **Hydraulic system**
  - Hydraulic supply from the drill rig.
  - Oil Supply Requirements 100LPM @ 3000PSI.
  - Danfoss PVG32 valves.
  - Entire IDS Load Safe system operates through direct control functions or optional remote control
  - Mobil DTE 25 ISO46 Hydraulic Oil
- **Standard**
  - •Easy accessible control panel for general maintenance
  - •Clear easy to read and self-explanatory controls
  - •Fully sealed electrical panel
  - •Hydraulic test points on all pumps, motors, and spool banks.
  - •Clearly labelled oil type and grades on all oil fill points
  - •IDS products are designed with standard imperial materials. All threads are either UNC or UNF. All hydraulic valves bodies, pumps, motors use common SAE O-ring boss adaptors.
- **Safety**
  - Guards on all rotating equipment
  - Anti slip grid mesh on all work platforms
  - Handrails on all work platforms
  - Emergency stops in control cabin and on all corners of machine
  - Hydraulic safety cut out to prevent using rod kickers with mast raised
  - Hydraulic safety cut out to prevent raising/ lowering mast with mast inner extended.
- **Optional**
  - Remote control operation main functions skid mount.
  - Twin axle trailer with gooseneck truck mount
  - Independent diesel engine and electrics to run Safe Load.