



William & Jones Ltd.

Welcome to the Series of W&J Small Handling Equipment

HDR35 Hydraulic Drum Tilt/Rotator – 350 kg
Instruction Manual



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Instruction Manual

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DECLARATION OF CONFORMITY

This machine complies with the essential Health and Safety Requirements relating to the Design and Construction of Machinery as defined within "The Supply of Machinery (Safety) Regulations 1992"

Signed on Behalf of :

William & Jones Ltd.

Director: William Chu



Hydraulic Drum Tilt/Rotator (Model HDR35)

Introduction

- **W&J Manual Drum Lifter/Rotator** Is Specially Designed for Lifting, Lowering, and Transporting Drums (ie., Steel, Plastic and Selected Fibre Drums) and also 360° Rotation of 210 Litres Steel, Plastic and Fibre Drums.
- Without Using Fork Lift Truck, **W&J Manual Drum Lifter/Rotator** Provides an Easy and Effective Method for Placing, Removing and Handling Drums on and from Pallets, Stillages, Scale...etc..
- **W&J Manual Drum Lifter/Rotator** Is Constructed with Robust and Welded Steel.
- Drum IS Situated in Vertical Position and Gripping Unit Holds It Tightly. Hand Operated Handle for Lifting and/or Lowering. Heavy Duty Hydraulic System is Included for Safety Purpose.

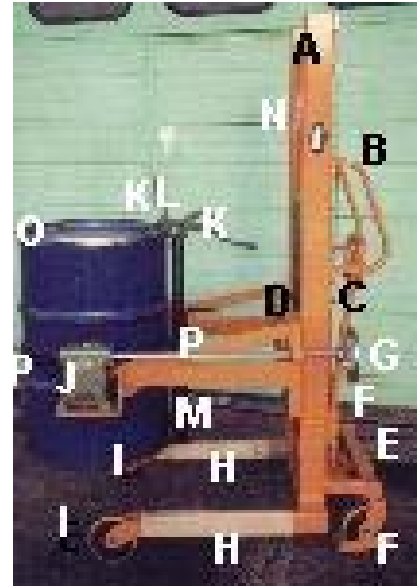
Memo

- Cap. 350 kgs
- Lift Height 1350 mm
- Manually Operated Hydraulic Pump Lifting System
- Overall Size (mm): 900 (W) x 1220 (L) x 1980 (H)
- Floor Lock Included as Standard
- Unladen Weight Approx. 200 kgs



Hydraulic Drum Tilt/Rotator (Model HDR35)

- A – Mast
- B – Push Handle
- C – Hand Pump & Pull Handle (For Lifting Drum)
- C1 – Releasing Lever (For Lower Drum)
- E – Twin Wheel Brakes
- F – Swivel Castors Dia. 175 mm with Foot Guards
- G – Manually Rotation Controller
- H – Legs (Frame base)
- I – Fixed Wheels Dia. 175 mm
- J – Gear Unit (Gear Ratio 1:60)
- K – Gripping Unit
- L – Adjustable Screw (For Adjusting the Position of Gripping Unit)
- M – Drum Base Supporter
- N – Single Lifting Chains
- O – Ring of Drum
- P – Clamping System



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Operation Instructions

DO NOT AND ALWAYS:

- Do not Overload Beyond Laden Capacity
- Do not fully Release the Release Knob While Loading
- Do not Work and/or Stand Under Drum While Lifting
- Always Use Brakes for Security Reason
- Always Tighten "P" Before Lifting or Rotation
- Always Operate the Drum Tilt/Rotator on Level Ground
- Always Ensure the Screw of Gripping Unit is Secured Before Lifting or Rotation
- Always Ensure Load is Secured Before Moving
- Always Keep Drum in the Lowest Position While Moving

Lifting:

1. Make Sure the Drum is Situated in Vertical Position
2. Move Drum Tilt/Rotator Approaching the Drum
3. Use Brakes for Security Purpose
4. Turn Valve "D" Clockwise to Lift the Drum
5. Descending the Release Lever ("C1") in Hand Pump Handle ("C") Until "K" Higher than the Ring of Drum
6. Manually Operate/Screw "K" to Grip Ring of Drum. For Security Purpose, Make Sure the Screw is in a Tighten Situation.
7. Manually Tighten "M" and "P"
8. Hand Pump "C" (Approx. 100 mm to the Ground)
9. Manually Operate "M" to Hook Up the Bottom Ring of Drum
10. Release Brakes for Moving

Rotating: (Steel and Certain Plastic Drums Only. Fibre Drums Require Lashing System)

1. Make Sure the Drum is in a Tight Position
2. Hand Pump "C" for Lifting Drum to the Required Height
3. Swivel "G" to the Required Degree (Allow 360°)

Lowering:

1. Secure Brakes Before Lowering
2. Make Sure the Drum is Situated in Vertical Position
3. Pull the Release Lever ("C1") for Descending the Lift Smoothly to Lower the Drum
4. Release "M" While Lowering Position is in Approx. 100 mm
5. Keep Releasing "D" Anti-Clockwise Until Drum Touch Ground Securely
6. Release "K" Manually
7. Release Brakes for Moving

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Routine Maintenance

Brake – Check Brakes Regularly and Make Sure Brakes are Always in Working Condition.

Castors/Wheels – Check Castors/Wheels Regularly and Make Sure they are in a Good Condition.

Hydraulic Cylinder and Oil Seals – Check If Any Oil is Leaking Regularly.
Replace Oil Seal If Necessary. Refill with Standard Hydraulic Oil such as Shell Tellus 27.

Lubrication – Brush a Little Amount of Grease Inside of Masts Every 3 Months.

Clean – Use Cloth or Paper Towel to Clean the Equipment

Drum Gripping Unit – Check Drum Gripping Unit Regularly and Make Sure the Gripping Unit is in a Working Condition.

Gear Box and Gear Oil Checking – Check Window on Front of Gear Box is 3/4 Full at All Times.

Pull out Yellow Pin from Yellow Cap to Check the Level of Gear Oil and Refill Oil into The Gear Box.

To Change Gear Oil, Open Screw with Allen Key on Outside Bottom (Screw by Itself) and Drain Oil. Return Screw and then Refill Gear Oil from Yellow Cap. Gear Oil Need to Be Changed After About the First 300 Hours and then Every 2500 Hours.

Refill/Change with Standard Mobil Gear Oil

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Coverage and Parts Supply

Coverage:

- 12 Months Warranty which battery is not covered
- We Do Not Cover Any Wear and Tear that caused by Misusing or Abusing the Equipment

Parts Supply:

- W&J Equipment Are Standard Products. Spare Parts May Be Purchased from **William & Jones Ltd.** or In Certain Parts Supplier.