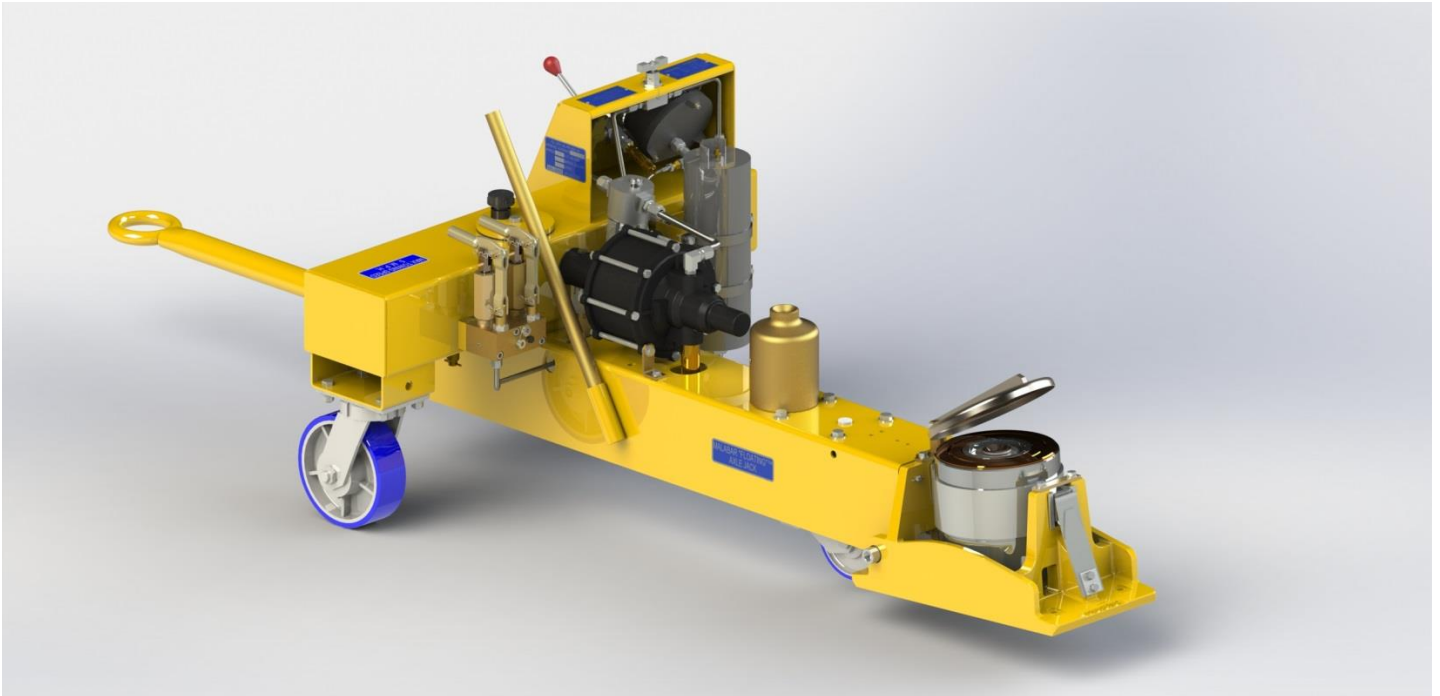


# 95 Ton Floating Auto-Retract™ Axle Jack

## Model 8899



The Model 8899 Auto-Retract Axle Jack is a 95 ton capacity two stage telescoping hydraulic jack designed for use in jacking the main and/or nose landing gear of various aircraft. The hydraulic cylinder retracts automatically after each use. Simple and easy single valve control for aircraft raising and lowering. The jack consists of a two stage cylinder assembly mounted on a spherical bearing (this bearing allows the jack ship adapter to follow the arc of the aircraft jack point, thus greatly reducing the stress on the jack's cylinder assembly as well as the aircraft axle and strut), base assembly, frame/reservoir assembly, valve block assembly, hand pump assembly, and control console.

The Model 8899 is built to withstand harsh environmental conditions and rugged use, and to provide many years of continuous service. Malabar customers are guaranteed a quality product with each purchase and are assured of continued product support whenever and wherever the need arises.

# 95 Ton Floating Auto-Retract™ Axle Jack

## Model 8899

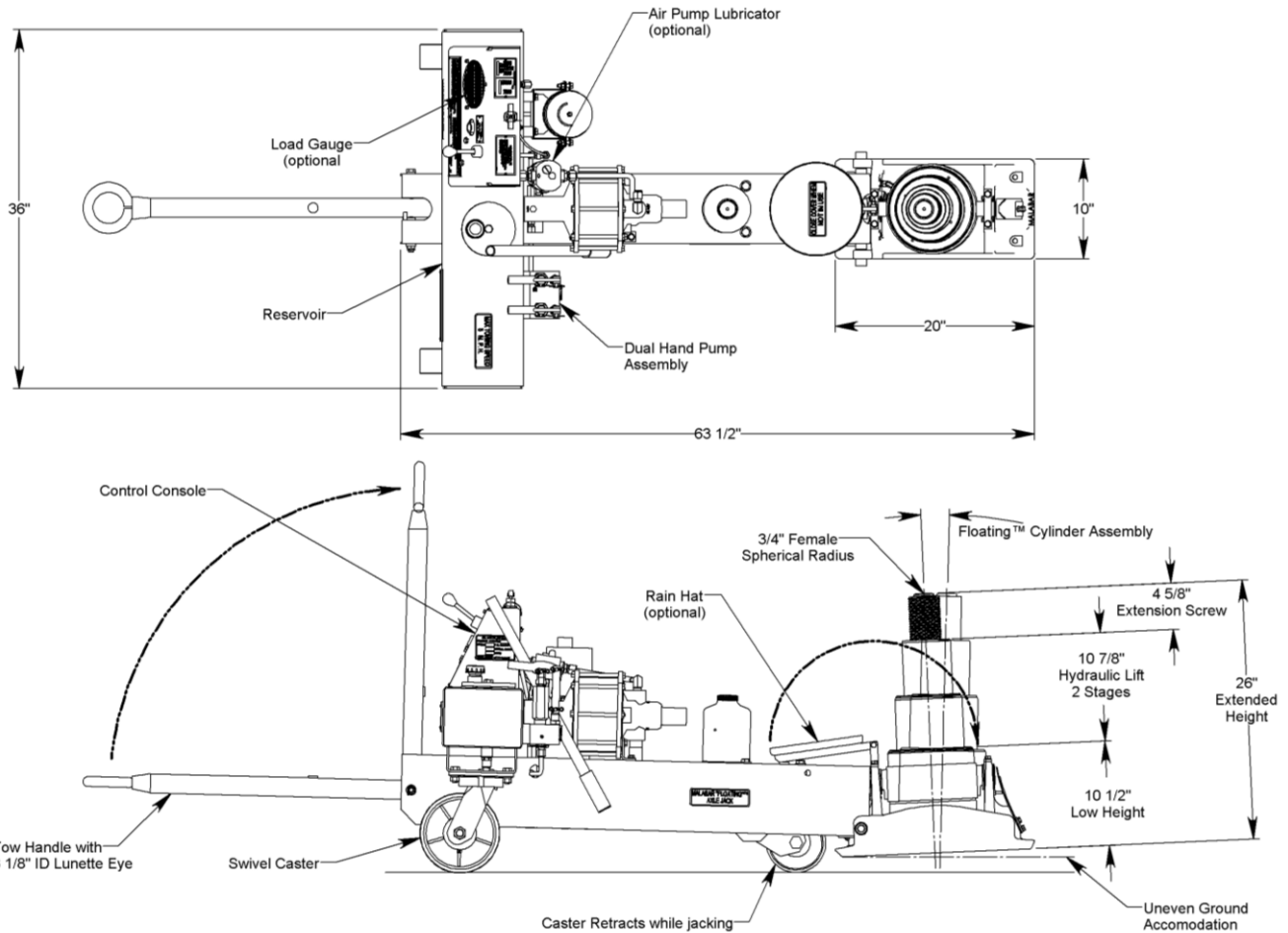
### Standard Features:

- Patented Floating™ Cylinder Assembly allows unit to track arc of landing gear jack point, eliminating excessive side loads on jack and landing gear thus providing safer operation and extending jack life
- Double Acting Auto-Retract™ Cylinder Assembly incorporates a fluid bath for sealing surfaces to minimize corrosion and extend seal life. It also includes skydrol resistant seals for longer service life
- Auto-Retract™ Plungers remain fully retracted while jack is being towed or in storage to protect against corrosion, contaminants and accidental damage
- Single Valve Control for simple and easy aircraft raising, lowering and Auto-Retract™. Jack retracts to full retracted position automatically which provides for easy removal from under aircraft jack point after each operation
- Control Console with all controls conveniently mounted for ease of operation
- 8" diameter Heavy Duty Swivel Casters and Retractable Front Wheel with Skydrol resistant tread. Shock absorbing spring loaded Front Caster retracts automatically while jacking
- Hydraulic Fuse at the cylinder assembly prevents lowering of load in the event of a hose failure
- Two Manual Hand Pumps (one high pressure, low volume and one low pressure, high volume)
- Oil Filter Cap with filtered air vent and dipstick
- Hard Chrome Plated Cylinder and Plunger Bores
- All unpainted parts are plated to resist corrosion
- Skydrol resistant paint (safety yellow standard)
- Factory proof loaded @ 125% of rated capacity
- 1 Year Warranty
- Fully Enclosed Shipping Container with Skid

### Optional Features:

- Standard Air Operated Hydraulic Pump
- High Speed Air Operated Hydraulic Pump
- Load Gauge for load indication (reads tons/psig)
- Air Line Lubricator (for air operated hydraulic pump)
- Rain Hat (covers cylinder assembly)

# 95 Ton Floating Auto-Retract™ Axle Jack Model 8899



## Specifications:

Rated Capacity .....	95 tons (86 m. tons)
Low Height .....	10.5 inches (267 mm)
Hydraulic Lift .....	10.88 inches (276 mm)
Extension Screw .....	4.62 inches (117 mm)
Total Extended Height .....	26 inches (660 mm)
Base Width .....	10 inches (254 mm)
Cylinder Diameter .....	9 inches (299 mm)
Oil Pressure at Rated Capacity .....	.8000 psig (562 kg/cm <sup>2</sup> )
Safety Pop-Off Valve Set At .....	101 tons (92 m. tons)
Proof Load .....	118 tons (107.0 m. tons)
Floor Loading at Rated Capacity .....	1000 psi (70 kg/sq cm)
Reservoir Capacity .....	5.5 gallons (20.8 liters)
Hydraulic Fluid .....	MIL-PRF-5606 or equivalent
Maximum Towing Speed .....	5 mph (8 km/h)
Approximate Net Weight .....	580 lbs (263 kg)

# 95 Ton Floating Auto-Retract™ Axle Jack

## Model 8899

### Model 8899 Typical Aircraft Applications:

Main Landing Gear	Nose Landing Gear
A300, A310, A319, A320, A321, A330, A340, A350-900, A380**, B727, B737, B747, B747-8, B767, B777*, B787, DC8, DC10, L1011, MD11	A300, A310, A330, A340, A350-900, A380**, B727, B747, B747-8, B767, B777, B787, L1011

\* Two 8899 jacks are required for this application

\*\*Specify 1 ¼" Female Spherical Radius Ship Adapter p/n 885520 and at reduced aircraft axle jack load (less than 95 tons) for this application

### Optional Equipment Codes:

*(Specify with order)*

- LP: Standard Air Operated Hydraulic Pump
- HP: High Speed Air Operated Hydraulic Pump
- GA: Load Gauge
- LPLU: Lubricator (requires standard air operated hydraulic pump)
- HPLU: Lubricator (requires high speed air operated hydraulic pump)
- RH: Rain Hat
- SA: Ship Adapter p/n 885520 (1 ¼" female spherical radius)
- SPC: Special Paint Color

### Jack Accessories:

*(Order separately)*

- 8899PK: Repair Kit
- 871420: Tire Slave Kit (to operate air operated hydraulic pump from aircraft tire)
- 880470: Lift Ring Kit (provides three lift points to lift jack assembly)
- 881700: Model 8817 Universal Axle Jack Transporter (trailer for long distance, high speed towing)
- 880428: 2" Extender Kit (for B747-400ER & 747-8 NLG)

### Shipping Data:

Note: Unless otherwise specified, Model 8899 jack is shipped on a wood skid with an enclosed cover. Refer to Malabar Axle Jack Shipping Supplement for additional packaging information.

Length inches (mm)	Width inches (mm)	Height inches (mm)	Weight lbs (kg)
70 (1778)	45 (1143)	34 (864)	640 (290)