

16-Ton Twin-Plunger Hydraulic Washing Jack System

Heavy-Duty Commercial Vehicle Wash Bay & Maintenance Hydraulic Lift

16 Tons

MAX LIFTING CAPACITY

1500 mm

MAX LIFTING HEIGHT

2 x 175 L

OIL TANK CAPACITY

PRODUCT OVERVIEW

The **16-Ton Twin-Plunger Hydraulic Washing Jack** is a heavy-duty in-ground hydraulic lifting solution engineered for commercial vehicle wash bays and maintenance facilities. Built with dual synchronized hydraulic cylinders and robust steel I-section ramp platforms, it delivers complete underbody access, maximum operational stability, and high corrosion resistance for trucks and buses.

TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION DETAILS
Maximum Lifting Capacity	16 Tons (16,000 kg Max)
Lifting Height Range	1450 mm – 1500 mm
Center-to-Center Cylinder Distance	5642 mm (18.5 Feet)
Overall Installation Length	7600 mm – 7700 mm
Ramp Assembly Length	7595 mm
Main Structural Beam Section	250 x 125 x 7600 mm Heavy Steel I-Section
Hydraulic Oil Tank Capacity	Dual Tanks - 175 Liters each (350 Liters total)
High-Pressure Piping Specification	1-1/2" Heavy-Duty Seamless Pipe
Plunger Pit Specification	42" Square Pit Inner Wall (Concrete Grade 1:2:1)
Required Room Dimensions & Height	30' x 20' Area 20 Feet Minimum Height Clearance

KEY INSTALLATION & OPERATIONAL REQUIREMENTS

- Structural Clearance:** Building height must maintain a minimum of 20 feet from finished floor level.
- Cylinder Spacing:** Maintain an exact center distance of 18.5 feet (5642 mm) between plunger assemblies.
- Plunger Elevation Alignment:** A strict dimension of 2300 mm must be maintained from top cylinder face to proposed floor level.
- Piping Channels:** Pipeline from oil tanks to cylinders must be laid in channels and covered with cement slabs (WITHOUT concreting over pipes).
- Piping Integrity:** Use 1-1/2" seamless pipe with proper bends and equal line lengths to both lift units.
- Hydraulic Safety Rule:** Never connect air pressure to the system without filling oil. Operation must be strictly via Oil Control Valve (OCV).