The Two Post Hoist built for the professional mechanic, Molnar’s M245 ‘Universal’ optimises workshop space for enhanced efficiency and reduced cost of ownership.

With a 4.5 tonne capacity and fast lift speed, the M245 ‘Universal’ Two Post Hoist is the professional choice.

A range of options are available including increased height, extended width, low arms, 240 Volt motor, custom colours and various accessories.

Made in Australia and built to the highest safety standards, our products are built to work all day, every day. Our commitment to quality is backed by our 3 year warranty and over 40 years experience as a leading Australian manufacturer.

This hoist optimises workshop clear floor space for ease of access, ease of cleaning and freedom of movement for other equipment. Increased up time and lower cost of ownership over the life of the hoist makes Molnar synonymous with value.

Reliability + Backup + Speed + Simplicity = Increased Profit & Productivity!
**Universal** Standard Model

- 4.5 tonne overhead two post hoist
- Ideal for a range of vehicles from small passenger cars to 4WDs and light commercials
- Asymmetric design for easy access
- Set of 4 Pick Up Pad Extensions (90mm) included as standard
- Hydraulic overload protection
- Durable powder coat finish
- Large reinforced base
- Long door protection foam is tall enough to cover a wide range of vehicles with a density ideal for protecting door panels and paint
- Safety bar protects vehicles from travelling into the overhead beam
- Auto releasing arm locks make positioning and securing the arms quick and easy

**Specifications**

<table>
<thead>
<tr>
<th>Option</th>
<th>Standard</th>
<th>Optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lifting Capacity</td>
<td>4.5 tonnes</td>
<td></td>
</tr>
<tr>
<td>Lifting Time</td>
<td>37-40 seconds</td>
<td></td>
</tr>
<tr>
<td>Lifting Height</td>
<td>1840 mm</td>
<td></td>
</tr>
<tr>
<td>Overall Height</td>
<td>3650 mm</td>
<td>4090 mm</td>
</tr>
<tr>
<td>Internal Height</td>
<td>3545 mm</td>
<td>3985 mm</td>
</tr>
<tr>
<td>Footprint</td>
<td>3150 x 800 mm</td>
<td>3400 x 800 mm</td>
</tr>
<tr>
<td>Overall Width</td>
<td>3150 mm</td>
<td>3400 mm</td>
</tr>
<tr>
<td>Drive Through Width</td>
<td>2406 mm</td>
<td>2656 mm</td>
</tr>
<tr>
<td>Width Between Posts</td>
<td>2650 mm</td>
<td>2900 mm</td>
</tr>
<tr>
<td>Minimum lowered height</td>
<td>117 mm</td>
<td>Low Arms = 95 mm</td>
</tr>
<tr>
<td>Pad Height Adjustment</td>
<td>41 mm</td>
<td>Low Arms = 21 mm</td>
</tr>
<tr>
<td>Motor</td>
<td>3 Phase 415V / 6.5A</td>
<td>Single Phase = 240V / 20A</td>
</tr>
<tr>
<td>Recommended Concrete</td>
<td>135mm Thick / 32 MPa / Reinforced</td>
<td></td>
</tr>
<tr>
<td>Minimum Concrete</td>
<td>100 mm Thick / 25 MPa / Reinforced</td>
<td></td>
</tr>
<tr>
<td>Anchor Bolts**</td>
<td>16 bolts @ min. 7.5kN per bolt</td>
<td></td>
</tr>
<tr>
<td>Hydraulic Oil**</td>
<td>8 litres / 46 Weight / High Quality / Anti-Wear</td>
<td></td>
</tr>
</tbody>
</table>

**Options**

- Installation Kit “T” includes anchor bolts & hydraulic oil
- Width “W” Width extension of 250 mm
- Height “H” Height extension of 440 mm
- Low Arms “L” 95 mm minimum pickup arms for low vehicles
- Colour “C” Customised Powder Coating colour
- Motor “V” 240 Volt single phase motor

**Optional Accessories**

- Height extension for retrofit to standard M245
- Width extension for retrofit to standard M245
- Low Arms for retrofit to standard M245
- 240 Volt single phase motor for retrofit to standard M245
- Extra Pick Up Pad Extensions to increase pad height by another 90 mm, good for use on off-road vehicles
- Pad Extensions, placed on top of a standard pad to increase height by 45 or 33 mm
- Powder Coated Cylinder Covers to customise look
- Wheel Holders, help avoid excess manual handling of heavy wheels and keeps wheels from being a trip hazard on the ground
- Arm Pads; expands the arms’ pick-up range, ideal for use on wide but short vehicles
- Heavy Duty Pick-Up Pads for tougher use

For more information, please contact us or your local Representative

Call 1300 MOLNAR (1300 665 627)  T +61 8 7120 8700  F +61 8 8346 0097  E sales@molnarhoists.com.au  www.molnarhoists.com.au

onwards & upwards
**SHIPPING**

Standard Pack Weight = 800kg  
Standard Packing Dimensions  
= W 3700mm x D 1150mm x H 555mm  

High Version (+H) Pack Weight = 850kg  
High Version (+H ) Packing Dimensions =  
W 4140mm x D 1150mm x H 555mm  

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**ELECTRICAL**

A licensed electrician must perform all electrical work including power connection and wiring.

**3 Phase Power Requirements**

415V - 6.5 AMPS

![3 Phase Wiring Diagram](image)

**Single Phase Power Requirements**

240 Volts, at hoist, under load at motor, hard wired on 20 Amp circuit

![Single Phase Wiring Diagram](image)

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**ANCHOR BOLTS#**

Preferred anchoring system
10 X Ramset Tru-bolts T16150GH
6 X Ramset AnkaScrew AS16115

Alternative anchoring system
16 X Ramset Tru-bolts T16150GH

Minimum 7.5 kN Hold Down Force per Bolt Required for Anchoring.

#Anchor Bolts supplied with Installation Kit (+T) Option, not supplied Standard

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**LUBRICANTS**  
Not Supplied

<table>
<thead>
<tr>
<th>Lubricant</th>
<th>Recommended</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grease</td>
<td>&gt; EP grade grease</td>
</tr>
<tr>
<td>General lubricant</td>
<td>&gt; CRC Tac-2</td>
</tr>
<tr>
<td></td>
<td>&gt; Wurth HHS Lube</td>
</tr>
<tr>
<td>Wire Rope lube</td>
<td>&gt; Lanotec heavy duty liquid lanolin</td>
</tr>
</tbody>
</table>
LAYOUT

Standard Overall Width = 3150mm
(Optional Wide Overall Width = 3400mm)

Allow minimum 3m to Front of Work Bay

Allow minimum 3.8m to Rear of Work Bay

Operating Controls

IMPORTANT: Allow a minimum of 600mm clearance away from the area of the vehicle and any moving part of the vehicle hoist.

HYDRAULIC OIL

Use 8 litres, 46 Weight, High Quality, Anti-Wear Hydraulic Oil in normal climates.
Use a lighter weight in colder climates and a heavier weight in hotter climates.
Hydraulic oil included in optional installation kit (+T), not supplied standard.
FLOOR SPECIFICATIONS

Fully Cured, Reinforced Concrete Slab (in Good Condition) on Compacted Base

- **Recommended Concrete Thickness:** 135mm
- **Minimum Concrete Thickness:** 100mm
- **Recommended Concrete Compressive Strength:** 32MPa
- **Minimum Concrete Compressive Strength:** 25MPa
- **Minimum Reinforcement Specifications:** SL72 Mesh with 30mm cover
- **Minimum Concrete Base Thickness:** 100mm
- **Minimum Concrete Base Specifications:** Quarry Rubble compacted to 95% MMDD
- **Minimum Distance from Bolt Hole to Existing Bolt Holes:** 200mm

**WARNING:** Do not install the M245 where the minimum anchor bolt requirements and specifications cannot be satisfied.

<table>
<thead>
<tr>
<th>THICKNESS</th>
<th>REQUIRED CLEARANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness mm</td>
<td>Dimension A</td>
</tr>
<tr>
<td>100</td>
<td>1200</td>
</tr>
<tr>
<td>125</td>
<td>1075</td>
</tr>
<tr>
<td>135</td>
<td>1025</td>
</tr>
<tr>
<td>150</td>
<td>950</td>
</tr>
<tr>
<td>175</td>
<td>825</td>
</tr>
<tr>
<td>200</td>
<td>700</td>
</tr>
</tbody>
</table>

Minimum Distance to Concrete Edge (including expansion joints, cold joints, etc.)

FLOOR REPAIR

If floor is less than 100mm thick or if the anchor bolts cannot be torqued to 155Nm the floor will need to be cut out to the following specifications:
- Cut the existing floor to a minimum pad size of 4000mm X 2200mm dig out base to a depth of 200 mm Minimum and under cut existing slab by 200 mm
- Ensure the base is compacted to 95% MMDD
- Insert pins in old slab to lock the slabs togeather
- Concrete must be a minimum of 32 Mpa grade and a depth of 200mm Steel mesh must be a minimum of SL82
- Slab must be let to cure for a minimum of 14 days before installing the hoist