



Pick and Place Arms

Specifications and Details

Reach

The **TMAR4-56APP** and **TMAR4-56HPP** both reach 50" (1270mm) in all directions.

Work Envelope

The maximum work envelope starts at 16" (406mm) from the main shaft and extends to 50" (1270 mm) in all directions giving you a work envelope of 49 sq. ft. (4.5 sq. M).

Vertical Clearance

Maximum vertical clearance on the **TMAR4-56APP** is 25-3/4" (654mm); Minimum vertical clearance is 3-3/4" (95mm)*. This is the measurement from the bottom of the base mount to the bottom face of the tool holder in both the full up and full down positions.

Maximum vertical clearance on the **TMAR4-56HPP** is 28-3/4" (730mm); Minimum vertical clearance is 6.75" (171 mm).

Mounting and Leveling

All **TITANMATE**® Lifting Arms are equipped with a heavy duty steel base which is bolted to the work surface and leveled with a series of three leveling screws which stabilize the arm and minimize drift. Further stabilization can be achieved by adjusting the brass tipped friction screws that are located on each shaft.

Mounting Position

The **TMAR4-56APP** and **TMAR4-56HPP** are designed to be mounted on a flat horizontal surface such as a work bench, or can be inverted and suspended from an overhead support to free up valuable work space.

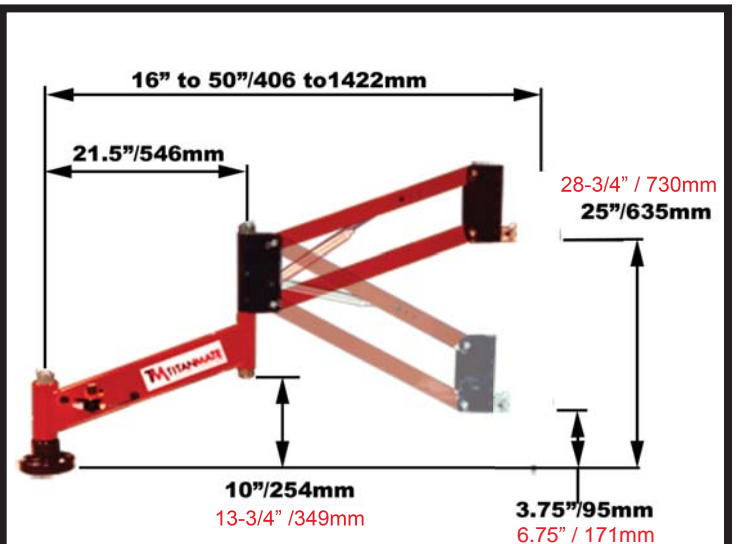
Operation

Pneumatic

After installation the air pressure regulator and flow control valves are adjusted for the desired force and speed. Once set the operator simply toggles the directional valve to lift or lower the payload.

Hydraulic

To operate the hydraulic model, connect lifting arm to the power pack and lift or lower the arm by pressing the up or down button on the remote pendant. Payloads can be positioned incrementally and can be held in that position indefinitely, even with the power turned off.



Hydraulic dimensions shown in red

* vertical clearance increases by 3" (76mm) on models 2080 and 20115.

Standard Specifications

TMAR4-56 456APP020 will lift 0-20 lbs (0-9.1 Kg.)**

TMAR4-56 456APP2080 will lift 20-80 lbs (9.1- 36.41 kg.)**

TMAR4-56 456APP20115 will lift 20-115 lbs. (9.1-52.3 kg.)**

TMAR4-56 456HPP0100 will lift 0-100 lbs. (0-45.5 kg)

**Payloads based on 90psi

Working Dia 8'-4" / 2.5M Max
Unit Weight 65 lbs / 29.5 Kg.



Portable Hydraulic Power Pack
 (Hydraulic pump, battery, battery tender, controls)