Positech’s pneumatic LodeArm® lightweight manipulator provides excellent maneuverability of payloads up to 640 pounds, increasing workers’ capacity to perform physically stressful, repetitive lifting tasks.

Easily adjustable to fit almost any work cell, Positech’s LodeArm is a high-capacity ergonomic lift assist in a compact package. Great for low headroom applications, this manipulator provides rigid support and reach-in capability.

The LodeArm is available in eight model configurations. It provides up to 72 inches of vertical lift and flexible mounting options.

To see the LodeArm in action scan the QR code.
**For Performance and Quality**
- Lightweight and easy to position
- Standard Push Button Metering Valve Control for finite positioning
- Optional balance control allows an operator to achieve critical load positioning by hand
- 360° continuous main post rotation
- End-of-arm rotating axis has up to 60,000 inch pounds of moment loading capacity
- Precision bearings and thrust washers at rotation axes for smooth motion and long life
- Adjustable friction brakes on main post and middle joint
- Adjustable main post and middle joint rotation stops
- Mounting Options: overhead, trolley, pedestal, wall mount, column, machine or mobile/portable base

**Positech Advantages**
- 5:1 design factor minimum on all structural components
- Pilot operated lock valve on lift cylinder prevents downward arm movement and if supply pressure is interrupted
- Optional Gripper Safety Circuitry prevents accidental release of unsupported payloa$d
- Lost Load Cylinder is a separately sealed hydraulic device that protects the operator from any sudden, uncontrolled upward motion of the manipulator arms
- Parallel linkage arms allow end-effector to remain parallel to the floor
- Minimum Lift Cylinder Circuit is standard, prevents rapid uncontrolled downward movement
- Main post and middle joint leveling capabilities to prevent arm drift
- Floor mounted pedestal provided with concrete anchor bolts and mounting hardware (No grout required)
- Does not require an air lubricator
- Complies with CE and other National Standards

**Technical Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>Maximum Lift Capacity* (lbs (kg))</th>
<th>Reach (in (mm))</th>
<th>Maximum Lift (in (mm))</th>
</tr>
</thead>
<tbody>
<tr>
<td>LA3030L</td>
<td>275 (124)</td>
<td>96-144 (2438-3658)</td>
<td>54 (1372)</td>
</tr>
<tr>
<td>LA4500L</td>
<td>275 (124)</td>
<td>96-144 (2438-3658)</td>
<td>38 (965)</td>
</tr>
<tr>
<td>LA3030LE</td>
<td>275 (124)</td>
<td>120-240 (3048-6096)</td>
<td>54 (1372)</td>
</tr>
<tr>
<td>LA4500LE</td>
<td>275 (124)</td>
<td>120-240 (3048-6096)</td>
<td>38 (965)</td>
</tr>
<tr>
<td>LA3030S</td>
<td>580 (264)</td>
<td>96-180 (2438-4572)</td>
<td>72 (1829)</td>
</tr>
<tr>
<td>LA4500S</td>
<td>580 (264)</td>
<td>96-180 (2438-4572)</td>
<td>42 (1067)</td>
</tr>
<tr>
<td>LA3030H</td>
<td>640 (290)</td>
<td>108-180 (2743-4572)</td>
<td>60 (1524)</td>
</tr>
<tr>
<td>LA4500H</td>
<td>640 (290)</td>
<td>108-180 (2743-4572)</td>
<td>42 (1067)</td>
</tr>
</tbody>
</table>

Requires 90 psi (6.21 bar) clean, dry air to operate at rated capacity
*Includes payload and end-effector; increasing arm length reduces payload capacity

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**Custom End-Effectors**
Customized end-effectors, operator controls, and specialized pneumatic circuitry are available to meet your requirements.

sales@positech.com  ●  800.831.6026  ●  www.positech.com