Pandjiris Mini Pro Positioner

The Mini Pro bench top welding positioner is the perfect solution for applications needing a small, sturdy and versatile positioner. It has a motorized variable speed rotation with a forward-reverse switch, speed potentiometer and dynamic braking. The rotation speed is variable from .37 to 13.0 RPM. The pinned tilt range is from 0 to 90 degrees with pinned 15 degree increments. An 8” diameter three-jaw chuck and 300 amp welding ground are standard. The 2.5 inch spindle through hole provides additional flexibility. All wiring conforms to National Electrical Code Standards. The positioner operates on 115 volt, single phase, 60 cycle input power. The unit also includes an On/Off foot switch.

Features:

- Heavy duty integral tilt gear and king pin housing at the heart of Pandjiris positioners ensures smooth turning and tilting.
- Tilt motors are electrically activated mechanical AC brake motors.
- High quality worm gear reducers for smooth operation.
- Minimal backlash.
- Solid state controls with dynamic braking on the rotation drives.
- Universal plug allows for easy installation and changeout of footswitches, hand pendants, and tachometers.
- 360° rotation, 135 degree tilt on most cantilevered models.
- High frequency protected.
- Fixed base and adjustable models available.
- Powered elevation available on most models.
SELECTING THE PROPER POSITIONER

1. Determine the total weight you will be positioning, including fixtures.
2. Calculate the center of gravity of the work.
   A. Distance from rotational center.
   B. Distance from face of table.
3. Using the distance found in step 2-A, calculate the rotational torque required. (Illustration A)
4. Using the distance found in step 2-B, calculate the tilt torque required. (Illustration B)
5. Compare the required rotational and tilt torque with the chart below. Select a Positioner with a load capacity equal to or greater than your requirements.

**MODEL LOAD CAPACITY TABLE**

<table>
<thead>
<tr>
<th>Model</th>
<th>Load Capacity</th>
<th>Table Diameter</th>
<th>Tilt Range</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mini Pro</td>
<td>350 lbs. Vertical</td>
<td>8&quot;</td>
<td>0-90</td>
<td>.37 to 13.0</td>
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<tr>
<td></td>
<td>350 lbs. Horizontal</td>
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