AJ Arm Standard Series

<table>
<thead>
<tr>
<th>Model</th>
<th>Reach (A) (feet)</th>
<th>Primary Arm (B) (inches)</th>
<th>Secondary Arm (C) (inches)</th>
<th>Capacity* (lbs)</th>
<th>Weight (lbs)</th>
<th>Deflection (inches) Straight</th>
<th>Deflection (inches) 90°</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 1250 - 8</td>
<td>8</td>
<td>56</td>
<td>40</td>
<td>1250</td>
<td>495</td>
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<td>AJ 1110 - 9</td>
<td>9</td>
<td>63</td>
<td>45</td>
<td>1110</td>
<td>519</td>
<td>0.750</td>
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<tr>
<td>AJ 1000 - 10</td>
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<td>70</td>
<td>50</td>
<td>1000</td>
<td>543</td>
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<td>0.563</td>
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<td>AJ 910 - 11</td>
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<td>77</td>
<td>55</td>
<td>910</td>
<td>567</td>
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<td>0.625</td>
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<tr>
<td>AJ 835 - 12</td>
<td>12</td>
<td>84</td>
<td>60</td>
<td>835</td>
<td>591</td>
<td>1.000</td>
<td>0.688</td>
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<td>AJ 770 - 13</td>
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<td>91</td>
<td>65</td>
<td>770</td>
<td>615</td>
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<td>AJ 715 - 14</td>
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<td>715</td>
<td>639</td>
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<td>AJ 665 - 15</td>
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<td>663</td>
<td>1.250</td>
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<td>AJ 615 - 16</td>
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<td>80</td>
<td>615</td>
<td>687</td>
<td>1.313</td>
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</tbody>
</table>

* Includes payload and end-effector

Electric Option: 460v, 3 phase, 20 amp
Air Option: 3/4" air lines. SCFM will vary on hoist and/or tooling

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1" DIAMETER ANCHOR BOLTS RECOMMENDED

OPTIONAL PEDESTAL
98° STANDARD
(200319808)
AVAILABLE IN 1" INCREMENTS
**Standard Features:**
- Heavy duty construction for long life
- Wide variety of standard lengths and capacities
- Main post friction brake
- Leveling bolts to minimize second arm drift
- Low friction bearings
- Secondary arm can be mounted above primary arm in low overhead clearance applications

**Available Options:**
- Electric collector rings provide 360° rotation
- Rotation stops are recommended if 360° Rotation option is not purchased.
- Air- Air swivels provide 360° Main Post and Middle Joint rotation.
- Air Filter/ Regulator
- Air or Electric Hoist or Balancer
- Main Post (primary) friction brake is standard. Middle Joint (secondary) friction brake is optional.
- Mounting: Overhead, Trolley, Pedestal, Wall Mount or Mobile/ Portable Base

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**CONCO**

**AJ ASSY, STANDARD**

**SCALE:** 1:24  **DATE:** May-09-2017  **DRAWN BY:** kps

**CLASS CODE:** 750  **DWG NO.:** AJ-STANDARD

**SHT:** 2 of 2  **REV.:**
PEDESTAL MOUNTING REQUIREMENTS

Foundation Design Requirement for Existing Floor

1. The foundation must have six 1"-8 SAE 2 studs spaced 90 degrees apart on a 27" diameter bolt circle extending 3" above the foundation to mate with and extend through mounting holes in the pedestal base. Stud load approximately 5,300 pounds maximum. Position the pedestal on the foundation with respect to the opening for the air supply to minimize piping.

2. Attach the pedestal to the foundation with six (6) lockwashers and six (6) SAE 2 steel nuts. Shim as required to level kingpin mounting ring located on the pedestal top.

3. Foundation must meet the following criteria.
   - a. 5" minimum thick concrete floor with netting type reinforcement.
   - b. 3000 p.s.i. minimum compressive strength.
   - c. 2500 pounds/square foot minimum soil bearing beneath concrete.
   - d. No cracks, fractures, expansion joints, etc. with minimum floor area indicated. (See "f").
   - e. Pedestal base shall be mounted in center with sides parallel to sides of floor area indicated.
   - f. Minimum floor area which meets all above requirements must be 8.5' x 8.5'.
   - g. Mount anchor studs as indicated above

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Anchor Bolt Size</th>
<th>Bolt Torque Ft Lb</th>
<th>Bolt Circle Dia.</th>
<th>No. of Anchor Bolts</th>
<th>Total Equipment Weight</th>
<th>Maximum Static Moment</th>
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</thead>
<tbody>
<tr>
<td>LB1000 Series</td>
<td>1&quot;-8 250</td>
<td>27&quot;</td>
<td>6</td>
<td>3600 Lb</td>
<td>6600 Ft Lb</td>
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<tr>
<td>Standard Art. Jib, AJL300 and AJL665</td>
<td>1&quot;-8 250</td>
<td>27&quot;</td>
<td>6</td>
<td>2650 Lb</td>
<td>12,500 Ft Lb</td>
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<tr>
<td>Heavy Duty Art Jib</td>
<td>1-8 250</td>
<td>27&quot;</td>
<td>6</td>
<td>4000 Lb</td>
<td>21,250 Ft Lb</td>
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