BENEFITS

The 81 Series kingpinless style casters feature a unique single ball race design. This design provides a high strength swivel section that will swivel easily under extremely heavy loads.

OPTIONS

Brakes:
Poly Lock: ........................................... P*
Wrap Around: ...................................... W*
Face Contact: ........................................ F

Swivel Locks:
Factory Installed: ................................. L
Heavy Duty: .......................................... HDL
Demountable: ...................................... DL
Heavy Duty Demountable: ..................... DHDL

Sealed Swivel: ..................................... SSW
Sealed Wheels: ................................. SW

FEATURES

Swivel Section: Constructed from drop forged C-1045 steel. The swivel section features a large precision machined 4” single ball bearing load/thrust raceway. The unique design of this raceway actually places the 3/4” diameter load/thrust ball bearings in shear, locking the swivel section together.

Legs: 3/8” x 4” formed and continuously welded both inside and outside.

Kingpin: Kingpinless style design.

Axle: 1”, Grade 5 axle.

Lubrication: Pre-lubricated before shipping.

Wheels: 6” to 12” diameter roller bearing wheels have a 1-1/4” I.D. bearing and rotate on a 1-1/4” hardened and ground steel spanner bushing. All tapered bearing wheels have a 1” tapered bearing and rotate on a 1” axle.

Finish: Gold dichromatic plating.

Standard: Shielded swivel.

Toe Guard: ............................................. TG

*For wheels with diameter >6

Contact the factory for special overall heights and finishes.
DUAL WHEEL DESIGN AVAILABLE

APPLICATIONS

Suitable for power drawn applications, fiberglass mold dollies, aircraft wing and spar tooling, machinery, engine and paint line dollies, body dolly carts, material carts, chassis rack carts, towed trash gondolas, aircraft maintenance stands, production line delivery trailers and automated guided vehicles.

1-888-276-3386  www.bandcip.com
### Table: Wheel, Capacity, and Part Number

<table>
<thead>
<tr>
<th>Dia.</th>
<th>Width</th>
<th>Material</th>
<th>Roller Bearing</th>
<th>Tapered OAH</th>
<th>Swivel Lead</th>
<th>Capacity</th>
<th>Straight Roller</th>
<th>Precision Tapered</th>
<th>Swivel Radius</th>
<th>Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>2.50</td>
<td>Forged Steel</td>
<td>4,000</td>
<td>5,000</td>
<td>8.50</td>
<td>2.50</td>
<td>81-06251-20-1</td>
<td>81-06259-20-1</td>
<td></td>
<td>5.64</td>
</tr>
<tr>
<td>6</td>
<td>3.00</td>
<td>H.D. T/R Polyurethane</td>
<td>2,500</td>
<td>3,000</td>
<td>8.50</td>
<td>2.50</td>
<td>81-06301-60-1</td>
<td>81-06309-60-1</td>
<td></td>
<td>5.70</td>
</tr>
<tr>
<td>6</td>
<td>3.00</td>
<td>Standard Polyurethane</td>
<td>2,500</td>
<td>3,000</td>
<td>8.50</td>
<td>2.50</td>
<td>81-06301-65-1</td>
<td>81-06309-65-1</td>
<td></td>
<td>5.70</td>
</tr>
<tr>
<td>6</td>
<td>3.00</td>
<td>H.D. Standard Polyurethane</td>
<td>2,500</td>
<td>3,000</td>
<td>8.50</td>
<td>2.50</td>
<td>81-06301-70-1</td>
<td>81-06309-70-1</td>
<td></td>
<td>5.70</td>
</tr>
<tr>
<td>6</td>
<td>4.00</td>
<td>H.D. Standard Polyurethane</td>
<td>3,000</td>
<td>3,000</td>
<td>8.50</td>
<td>2.50</td>
<td>81-06401-65-1</td>
<td>81-06409-65-1</td>
<td></td>
<td>5.85</td>
</tr>
</tbody>
</table>

Part Numbers listed are for the swivel casters. Capacity listed is for manual operation. For powered operations, consult factory. Part Numbers listed are for the swivel casters. For rigid casters, change series to 80 and change the last digit from 1 to 2 (i.e. 80-12409-70-2). Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters. All dimensions are in inches. All weights are in pounds.