This dual-wheel series version of the Maxi-Duty Caster addresses the problem of how to restrict overall height while at the same time provide adequate carrying capacity on resilient tread wheels. **Dual-Wheel Casters** also improve stability and swivel more easily than wider-face single wheels because differential action reduces the “scrubbing” effect of soft treads against the floors. The series still touts its “precision” feature indicating that both the secondary thrust bearing and the main load bearing are precision-made, and yet the new **HPI™ Swivel Technology** is now a standard feature in this dual wheel series providing smoother swiveling and longer life.

For dual wheel casters in use with lighter duty applications, see page 34.

### QUALITY FEATURES

**Swivel Construction** — ¾” thick drop forged steel mounting plate (rigid plate ¼” thick), outer legs ¾” x 5” plate steel continuously welded inside and outside to forged steel horn base (center leg ¾” x 2").

**Kingpin** — ⅛” dia., integrally forged with mounting plate guaranteed for life, prevents bending or breaking, threaded for ¼” slotted nut secured by roll pin for positive locking.

**Main Load Bearing** — HPI™ thrust bearing with outside diameter of 7⅜”, raceways hardened to 58-62 HRC and ground to surface finish 16 micro inches.

**Secondary Load Bearing** — ⅛” precision tapered thrust bearing counteracts radial thrust.

**Axle** — ⅛” diameter grade 5 hex head with slotted nut and cotter pin.

**Lubrication Fittings** — Ball-check type in swivel assembly and in wheel hubs with tapered or straight roller bearings.

### THREE YEAR WARRANTY

The Maxi-Duty Dual Series (MDD) is backed by Hamilton’s Three Year Product Warranty. Refer to selection table for qualifying wheels.
### Wheel Choices

**Duralast**: 95A poly on iron - our standard urethane

**Duralast XC**: 95A poly on iron - high capacity, fanger urethane

**Nylast**: high capacity cast nylon, corrosion resistant

**Superlast**: 95A 1" thick polyurethane wheel

**Superlast XC**: 70D poly on iron - thick poly on iron - highest capacity urethane

**Super Ultralast**: 95A 1" thick polyurethane wheel on super-duty forged steel center

**Ultralast**: 95A polyurethane wheel - Outperforms all other urethanes

### MDD Series Selection Table

<table>
<thead>
<tr>
<th>Wheel</th>
<th>Swivel Caster</th>
<th>Rigid Caster</th>
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<tbody>
<tr>
<td><strong>Dia</strong></td>
<td><strong>Face</strong></td>
<td><strong>Type</strong></td>
</tr>
<tr>
<td>6</td>
<td>3</td>
<td><strong>Nylast</strong></td>
</tr>
<tr>
<td>8</td>
<td>3</td>
<td><strong>Duralast</strong></td>
</tr>
<tr>
<td>8</td>
<td>3</td>
<td><strong>Duralast XC</strong></td>
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<tr>
<td>8</td>
<td>3</td>
<td><strong>Nylast</strong></td>
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<tr>
<td>10</td>
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<td><strong>Superlast</strong></td>
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<tr>
<td>10</td>
<td>3</td>
<td><strong>Superlast XC</strong></td>
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<tr>
<td>10</td>
<td>3</td>
<td><strong>Super Ultralast</strong></td>
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<tr>
<td>12</td>
<td>3</td>
<td><strong>Duralast</strong></td>
</tr>
<tr>
<td>12</td>
<td>3</td>
<td><strong>Duralast XC</strong></td>
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<td>12</td>
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<td><strong>Ultralast</strong></td>
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<td>12</td>
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<td><strong>Superlast</strong></td>
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<tr>
<td>12</td>
<td>3</td>
<td><strong>Super Ultralast</strong></td>
</tr>
</tbody>
</table>

### Maxi-Duty Dual Wheel Casters

**Series MDD**

Capacity Range 5,000 - 15,600 lbs.

- **Maxi-Duty Dual Wheel Casters**
- **Featuring New HPI Swivel Technology**

**Wheel Choices**

- **Duralast**: 95A poly on iron - our standard urethane
- **Duralast XC**: 95A poly on iron - high capacity, fanger urethane
- **Nylast**: high capacity cast nylon, corrosion resistant
- **Superlast**: 95A 1" thick polyurethane wheel
- **Superlast XC**: 70D poly on iron - thick poly on iron - highest capacity urethane
- **Super Ultralast**: 95A 1" thick polyurethane wheel on super-duty forged steel center
- **Ultralast**: 95A polyurethane wheel - Outperforms all other urethanes

**Wheel Bearings**

- Precision Tapered Roller Bearings (T): best for most severe heavy duty and power-towed applications.
- Precision Ball Bearings (B): double sealed, maintenance-free, superior rollability aids manual applications, not recommended if shock loading is prevalent.
- Straight Roller Bearing (H): Traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.

### Mounting Plate Dimensions

- **Mounting Bolt**: 3/4"