Hamilton’s Heavy Service Casters are the toughest casters you can buy in the 2" wide wheel class because of their premium drop forged steel construction. Popularity of this series continues to grow due to the comprehensive range of wheel types, sizes, and optional extras available, including heat-treated raceways and dual-wheel models.

**QUALITY FEATURES**

**Swivel Construction** 5/8" thick drop forged steel mounting plate (rigid plate 1/4" thick); 1/4" x 2" plate steel legs robotically welded inside and outside to forged steel horn base.

**Kingpin** – Sturdy 3/4" diameter integrally forged with mounting plate, threaded for lock nut (guaranteed for life).

**Main Load Bearing** – CNC-machined 3/4" diameter raceway; 1/4" diameter hardened and polished steel balls.

**Secondary Load Bearing** – 1/4" precision tapered thrust bearing counteracts radial thrust.

**Axle** – 1/4" diameter hex head with lock nut.

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

**OPTIONAL ACCESSORIES** [more help on page 13]

- **Swivel Lock – 4 position (0-4SL)**
  – convert swivel to rigid for straight line steering, robotically welded housing & CNC-milled slots assure long lasting, trouble-free performance.

- **Sealed Swivel Assembly (S-S)**
  – prolongs caster life in harsh environments, not available with swivel lock.

- **Wheel Bearing Seals (BS)**
  – prolong wheel life in harsh environments.

- **Dual-Wheel Models**
  – minimize overall height & maximize capacity, see pages 34 & 35.

- **Spring Loaded Models** – see page 41
  – This series is available with Hamilton’s new HPA™ Swivel Technology. See the new LHS Series on page 37.

- **Custom Engineering**
  – Hamilton engineers will custom design any caster to meet customer requirements.

**THREE YEAR WARRANTY**

The Heavy Service Series (HS) is backed by Hamilton’s Three Year Product Warranty. Refer to selection table for qualifying wheels.

**BRAKE CHOICES** [for more help, see page 20]

- **FB**
  – Side Foot Brake [N/A with tapered bearings]

- **FRB**
  – Rugged Foot Brake [except 3/4" models, N/A with tapered bearings]

- **ZB**
  – Heavy Duty Contact Brake. [except 3/4" models, not available with tapered bearings]

- **B**
  – Thumbscrew Brake
## Wheel Choices

- **Durastil®**: ASA poly on non-rost standard urethane
- **Durastil® XC**: 700 extra hard poly on rotor, higher capacity urethane
- **Forged Steel**: highest capacity, tenacity, strength 75,000 psi
- **Metal**: cast iron, heavy-duty design
- **Polyfast**: high capacity cast nylon, corrosion resistant
- **Plastex**: phenolic, low cost, high capacity
- **Polyfast**: ASA poly on aluminum core
- **Poly-Soal®**: ASA rubber poly on rotor—quieter, durable, debris resistant urethane
- **Molded Rubber**: 1" thick rubber, tenacity strength exceeds 1,000 psi
- **Swivel-EAZ**: 2-wheel poly on aluminum, easy handling
- **Ultrasil™**: ASA-the ultimate premium urethane, custom performs all other urethanes

### Featured Wheel Bearings

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

### Hamilton HS Series Selection Table

<table>
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<th>Dia. A</th>
<th>Wheel Type</th>
<th>Replacement Number</th>
<th>Hamilton No.†</th>
<th>Hamilton No.†</th>
<th>Hamilton No.†</th>
<th>W.Lbs</th>
<th>Hamilton No.†</th>
<th>Hamilton No.†</th>
<th>W.Lbs</th>
<th>Lead Cap. Lbs</th>
<th>Till Hgt. F</th>
<th>Swiv. Off. Q</th>
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<tr>
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</table>

### Note

- **PRONTO®** same day/next day shipment. 3YR = 3 Year Warranty applies.

### Diagram

- Mounting Plate Dimensions
- Mounting Bolt: 1/2"