Series CH  Capacity Range 840 – 4,000 lbs.

Champion Casters

Named after a caster introduced in the 1950’s, Hamilton’s Champion Casters will be recognized for their superior performance, wide selection, and reliable service. As with all Hamilton Forged Steel Casters, the Champion’s 1” integrally forged steel kingpin is guaranteed for life.

QUALITY FEATURES

Swivel Construction – 1/4” thick drop forged steel mounting plate; ¾” x 3” plate steel legs welded inside and outside to forged steel horn base.

Kingpin – 1” diameter integrally forged with mounting plate guaranteed for life and threaded for 1” diameter lock nut.

Main Load Bearing – CNC-machined ¾” diameter raceway; hardened and polished steel balls.

Secondary Load Bearing – 1” precision tapered thrust bearing counters acts radial thrust.

Axle – ¾” 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 (¼–4SL)
  – converts swivel to rigid for straight line steering, robotically welded housing & CNC-milled slots assure long lasting, trouble-free performance.

- Sealed Swivel Assembly (≠SS)
  – prolongs caster life in harsh environments, not available with Swivel Lock.

- Wheel Bearing Seal (≠BS)
  – prolong wheel life in harsh environments

- Spring Loaded Models
  – see pages 40-41.

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 powered applications.

Straight Roller Bearing (H): traditional anti-friction bearing, best for manual applications where shock loading (but no side thrust) is prevalent.

BRAKE CHOICES for more help, see page 20

★-FB  Side Foot Brake (N/A with tapered bearings)

★-FRB  Ray-A-Round Foot Brake (N/A with tapered bearings)

★-ZB  Heavy Duty Contact Brake (not ★ with tapered bearings)

THREE YEAR WARRANTY

The Champion Series (CH) is backed by Hamilton’s Three Year Product Warranty. Refer to selection table for qualifying wheels.
### Wheel Choices

- **Duralast**: 95A poly on 70D-80D, standard urethane
- **Duralast XC**: 70D extra-hard poly on 80D, higher capacity urethane
- **Forged Steel**: high-capped, high-strength, 95A poly
- **Poly-Soft**: 95A poly on 80D, easy rolling, debris-resistant urethane
- **Molded Rubber**: 70D high-impact poly, high-strength, 95A poly
- **Superlast**: 95A 1" thick, high-capacity premium urethane
- **Super Ultralast**: 95A thick, high-capacity premium urethane
- **Ultralast**: 95A to 96A poly, high-strength, 90D poly, premium urethane
- **Plastex**: thermoplastic, high-impact, high-capacity
- **V-Grooved**: 95A poly, off-floor, for production-line flow

### CH Series Selection Table

<table>
<thead>
<tr>
<th>Dia.</th>
<th>Type</th>
<th>Replacement Number</th>
<th>Hamilton No.</th>
<th>Tapered Brg</th>
<th>Load Cap. lbs</th>
<th>Tilt &amp; Swivel</th>
<th>Mounting Plate Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>2(1/8)</td>
<td>Duralast</td>
<td>W-625-DB-1</td>
<td>S-CH-4DB</td>
<td>S-CH-4DT</td>
<td>25</td>
<td>1800</td>
<td>2</td>
</tr>
<tr>
<td>2(1/8)</td>
<td>Forged Steel</td>
<td>W-625-FS-1</td>
<td>S-CH-4FSH</td>
<td>S-CH-4FST</td>
<td>24</td>
<td>1700</td>
<td>2</td>
</tr>
<tr>
<td>2(1/8)</td>
<td>Metal</td>
<td>W-625-M-1</td>
<td>S-CH-4MH</td>
<td>S-CH-4MT</td>
<td>19</td>
<td>1500</td>
<td>2</td>
</tr>
<tr>
<td>2(1/8)</td>
<td>Plastex</td>
<td>W-625-P-1</td>
<td>S-CH-4PH</td>
<td>S-CH-4PT</td>
<td>15</td>
<td>1300</td>
<td>2</td>
</tr>
<tr>
<td>2(1/8)</td>
<td>V-Groove</td>
<td>W-625-V-1</td>
<td>S-CH-4HV</td>
<td>S-CH-4VT</td>
<td>24</td>
<td>2500</td>
<td>2</td>
</tr>
</tbody>
</table>

*With straight roller or precision ball bearings. For catalog number of corresponding tapered bearing wheel, consult factory.

1 Hamilton No's ending in 80 = Prec. Ball Bearing, 50 = Straight Roller Bearing, 70 = Prec. Tapered Roller Bearing.

* These wheels lubricated through lubricator. 
† Straight-sided wheel.