



CASTER CONCEPTS

# 51 SERIES KINGPINLESS STYLE CASTERS 1500 maximum capacity LBS

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## FEATURES

**Swivel Section:** High alloy swivel section is precision machined to accommodate 3/8" diameter ball bearings. Swivel sections are through hardened for durability.

**Kingpin:** Kingpinless style design

**Legs:** 1/4" x 2" bar stock formed and continuously welded inside and outside to the yoke base

**Axle:** 1/2" diameter axle

**Lubrication:** Pre-lubricated before shipping

**Wheels:** 4" to 8" diameter wheels are available with straight roller bearings or ball bearings for ease in rolling

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## BENEFITS

The 51 Series kingpinless style swivel bearings act as both load and thrust components to lock the swivel section together and distribute the load over a larger area. The hardened swivel sections and formed and welded legs provide the strength and durability necessary for use in applications where constant swiveling under load is necessary.

51-06202-61-1 shown

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## APPLICATIONS

Excellent for light powered applications, bakery dough troughs, portable work benches, platform trucks, tow lines, utility carts, tooling fixtures, scrap metal carriers, drywall dollies, gantry cranes, automated guided vehicles, fiberglass lay-up molds, and other applications.

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## OPTIONS

### Brakes

|              |         |
|--------------|---------|
| Cam:         | CB-51   |
| Poly Cam:    | PCB-51* |
| Tread Lock:  | TLB-51  |
| Wrap Around: | WAB-51* |
| Dual Side:   | DSB-51  |

### Swivel Locks

|                    |        |
|--------------------|--------|
| Factory Installed: | SL-51  |
| Demountable:       | DSL-51 |
| Passive:           | PSL-51 |

Sealed Swivel:

SS-51

Sealed Wheels:

WS

Toe Guard:

TG-51

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## CONTACT

For additional information on these casters, please contact your nearest representative:

For wheels with diameter ≥ 6 inches

BEYOND STANDARD



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| WHEEL |       |                   | CAPACITY       |                | PART NUMBER |             |                |                |       |
|-------|-------|-------------------|----------------|----------------|-------------|-------------|----------------|----------------|-------|
| Dia.  | Width | Material          | Roller Bearing | Precision Ball | OAH         | Swivel Lead | Roller Bearing | Precision Ball | Wt.   |
| 4     | 1.5   | Forged Steel      | 1,400          | 1,400          | 5.62        | 1.50        | 51-04101-20-1  | 51-04109-20-1† | 7.25  |
| 4     | 2.0   | Phenolic Resin    | 800            |                | 5.62        | 1.50        | 51-04201-30-1  |                | 7.50  |
| 4     | 2.0   | Cast Iron         | 1,000          |                | 5.62        | 1.50        | 51-04201-10-1  |                | 7.50  |
| 4     | 2.0   | Polyurethane      | 700            | 700            | 5.62        | 1.50        | 51-04201-60-1  | 51-04204-60-1  | 7.50  |
| 4     | 2.0   | Soft Polyurethane | 600            | 600            | 5.62        | 1.50        | 51-04201-66-1  | 51-04202-66-1  | 7.50  |
| 4     | 2.0   | Envirothane       | 650            | 650            | 5.62        | 1.50        | 51-04201-62-1  | 51-04202-62-1  | 7.50  |
| 4     | 2.0   | Mold on Rubber    | 350            |                | 5.62        | 1.50        | 51-04201-70-1  |                | 8.20  |
| 4     | 2.0   | Softech           | 250            | 250            | 5.62        | 1.50        | 51-04201-72-1  | 51-04204-72-1* | 8.00  |
| 5     | 2.0   | Forged Steel      | 1,500          | 1,500          | 6.50        | 1.75        | 51-05201-20-1  | 51-05209-20-1† | 10.20 |
| 5     | 2.0   | Cast Iron         | 1,200          |                | 6.50        | 1.75        | 51-05201-10-1  |                | 9.20  |
| 5     | 2.0   | Phenolic Resin    | 1,000          |                | 6.50        | 1.75        | 51-05201-30-1  |                | 8.50  |
| 5     | 2.0   | Polyurethane      | 1,050          | 1,050          | 6.50        | 1.75        | 51-05201-60-1  | 51-05204-60-1  | 10.00 |
| 5     | 2.0   | T/R Compound      | 850            | 850            | 6.50        | 1.75        | 51-05201-61-1  | 51-05204-61-1  | 10.00 |
| 5     | 2.0   | Envirothane       | 800            | 800            | 6.50        | 1.75        | 51-05201-62-1  | 51-05202-62-1  | 7.50  |
| 5     | 2.0   | Mold on Rubber    | 400            |                | 6.50        | 1.75        | 51-05201-70-1  |                | 10.00 |
| 5     | 2.0   | Softech           | 275            | 275            | 6.50        | 1.75        | 51-05201-72-1  | 51-05204-72-1* | 10.00 |
| 6     | 2.0   | Forged Steel      | 1,500          | 1,500          | 7.50        | 2.25        | 51-06201-20-1  | 51-06209-20-1† | 13.50 |
| 6     | 2.0   | Cast Iron         | 1,200          |                | 7.50        | 2.25        | 51-06201-10-1  |                | 13.00 |
| 6     | 2.0   | Phenolic Resin    | 1,200          |                | 7.50        | 2.25        | 51-06201-30-1  |                | 9.50  |
| 6     | 2.0   | Polyurethane      | 1,200          | 1,200          | 7.50        | 2.25        | 51-06201-60-1  | 51-06202-60-1  | 12.00 |
| 6     | 2.0   | T/R Compound      | 1,000          | 1,000          | 7.50        | 2.25        | 51-06201-61-1  | 51-06202-61-1  | 12.00 |
| 6     | 2.0   | Solid Elastomer   | 950            | 950            | 7.50        | 2.25        | 51-06201-62-1  | 51-06202-62-1  | 12.00 |
| 6     | 2.0   | Mold on Rubber    | 425            |                | 7.50        | 2.25        | 51-06201-70-1  |                | 12.00 |
| 6     | 2.0   | Softech           | 450            | 450            | 7.50        | 2.25        | 51-06201-72-1  | 51-06204-72-1* | 12.00 |
| 8     | 2.0   | Cast Iron         | 1,500          |                | 10.12       | 2.25        | 51-08201-10-1  |                | 16.50 |
| 8     | 2.0   | Phenolic Resin    | 1,400          |                | 10.12       | 2.25        | 51-08201-30-1  |                | 12.00 |
| 8     | 2.0   | Polyurethane      | 1,500          | 1,500          | 10.12       | 2.25        | 51-08201-60-1  | 51-08202-60-1  | 14.00 |
| 8     | 2.0   | T/R Compound      | 1,200          | 1,200          | 10.12       | 2.25        | 51-08201-61-1  | 51-08202-61-1  | 14.00 |
| 8     | 2.0   | Solid Elastomer   | 1,300          | 1,300          | 10.12       | 2.25        | 51-08201-62-1  | 51-08202-62-1  | 14.00 |
| 8     | 2.0   | Mold on Rubber    | 500            |                | 10.12       | 2.25        | 51-08201-70-1  |                | 14.00 |
| 8     | 2.0   | Softech           | 600            | 600            | 10.12       | 2.25        | 51-08201-72-1  | 51-08204-72-1* | 14.00 |

Capacity listed for manual operation. For powered operations consult factory.

Part numbers listed are for the swivel caster. For rigid casters, change the last digit from 1 to 2 (ie: 51-06201-60-2)

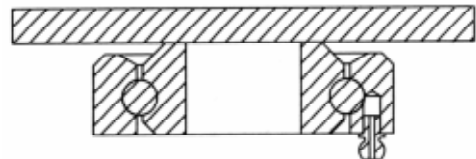
Estimated weight is for the swivel caster, deduct 20% of swivel caster weight for rigid caster.

† This caster has tapered bearings.

\* This caster has annular ball bearings

All dimensions are in inches. All weights are in pounds.

51 Series Cross Sectional View



Cantilever racks holding parts for production with 51 Series casters.

| Top Plate Size          | Bolt Hole Spacing                        | Bolt Diameter |
|-------------------------|--|---------------|
| Std: 4.0 x 5.0          | 2.625 x 3.625<br>Slotted to 3.0 x 3.0    | 0.375         |
| OT 60: 4.5 x 6.25       | 2.438 x 4.938<br>Slotted to 3.375 x 3.0  | 0.5           |
| OT 70: 5.0 x 7.25 x .38 | 3.375 x 5.25<br>Slotted to 4.125 x 6.125 | 0.5           |
| OT 75: 6 x 7 x .38      | 4.62 x 5.5                               | 0.5           |

**CASTER CONCEPTS WILL MODIFY ANY CASTER TO MEET CUSTOMER SPECIFICATIONS**

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