



**CASTER CONCEPTS**

# NUMBERING SYSTEM DEFINITIONS

**CASTER: 8 0-08 40 9-21-1**

**SERIES**

**TYPE**

- 0 BALL LOAD
- 1 SINGLE BALL
- 2 DUAL WHEEL
- 3 SPRING LOAD
- 4 VERTICAL MOUNT SPRING LOAD
- 5 HEAVY DUTY
- 6 HEAVY DUTY DUAL WHEEL
- 9 CUSTOM CASTER

**WHEEL DIAMETER**

**FACE WIDTH**

**BEARING TYPE**

- 0 PLAIN BEARING
- 1 STRAIGHT ROLLER or RIG ONLY w/AXLE
- 2 BALL BEARING
- 3 OILITE
- 4 ANNULAR BALL BEARING
- 5 3" SPACING / 2-3/4 HUB FOR RB
- 6 3" SPACING / 2-3/4 HUB FOR BB
- 7 3" SPACING / 2-3/4 HUB FOR TB
- 8 RIG ONLY WITH TRB AXLE
- 9 PRECISION TAPERED BEARING

**1 SWIVEL**

**2 RIGID**

**WHEEL MATERIAL**

- 00 RIG ONLY
- 10 CAST IRON
- 11 HEAVY DUTY CAST IRON
- 12 DUCTILE IRON
- 14 IMPORT CAST IRON
- 15 V-GROOVE CAST IRON
- 16 HEAVY DUTY V-GROOVE CAST IRON
- 18 SINGLE FLANGED CAST IRON
- 19 DUAL FLANGED CAST IRON
- 20 FORGED STEEL
- 21 HEAVY DUTY FORGED STEEL
- 25 FORGED STEEL V-GROOVE
- 26 HEAVY DUTY FORGED V-GROOVE
- 28 SINGLE FLANGED STEEL
- 29 DUAL FLANGED STEEL
- 30 PHENOLIC RESIN
- 32 HIGH TEMP PHENOLIC
- 35 LAMINATED PHENOLIC
- 39 NYTEC-MD
- 50 FULL ROUND TREAD 95A
- 51 FULL ROUND 85A T/R COMPOUND
- 53 FULL ROUND 70 HARD POLY
- 54 FULL ROUND HPPT
- 60 STANDARD POLY (MAROON - 95A)
- 61 T/R COMPOUND - SOFT POLY (ORANGE - 85 A)
- 62 SOLID ELASTOMER
- 63 HARD POLY (BLACK - 70D)
- 64 IMPORT POLYURETHANE
- 65 H.D. STANDARD POLY (1" MAROON - 95 A)
- 66 T/R COMPOUND - H.D. SOFT POLY (1" ORANGE - 85 A)
- 67 H.D. HARD POLY (1" BLACK - 70 D)
- 68 H.D. STANDARD POLY (1" H.D. CORE - 95 A)
- 69 H.D. SOFT POLY (1" H.D. CORE - 85 A)
- 70 MOLD ON RUBBER IRON CORE
- 71 MOLD ON RUBBER ALUMINUM CORE
- 72 SOFTECH
- 73 NEOPRENE RUBBER
- 74 IMPORT MOLD ON RUBBER
- 76 PNEUMATIC TIRE DEMOUNTABLE HUB
- 77 HEAVY DUTY PNEUMATIC
- 80 70A POLYURETHANE
- 85 H.D. 70 A POLY
- 90 HPPT POLY (PURPLE-92 A)
- 95 H.D. HPPT POLY (1" PURPLE-92 A)
- 98 H.D. HPPT POLY (1" HD CORE-92 A)

**WHEEL: 08 40 9-21-16**

**DIAMETER**

**WIDTH**

**BEARING TYPE**

- 0 PLAIN
- 1 STRAIGHT ROLLER
- 2 BALL BEARING
- 3 OILITE
- 4 ANNULAR BALL BEARING
- 5 3" SPACING / 2-3/4 HUB FOR RB
- 6 3" SPACING / 2-3/4 HUB FOR BB
- 7 3" SPACING / 2-3/4 HUB FOR TB
- 8 BORED FOR TRB
- 9 PRECISION TAPERED BEARING

**WHEEL MATERIAL**

**WHEEL/BEARING BORE**

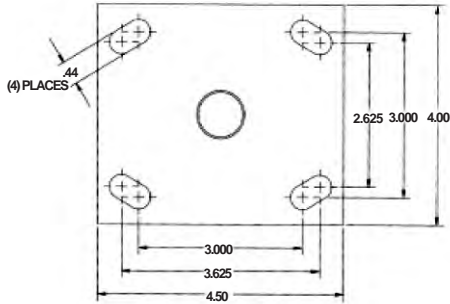
- IN 1/16TH OF AN INCH
- IE: 16=1 INCH BORE

NUMBERING SYSTEM & TOP PLATE SIZES

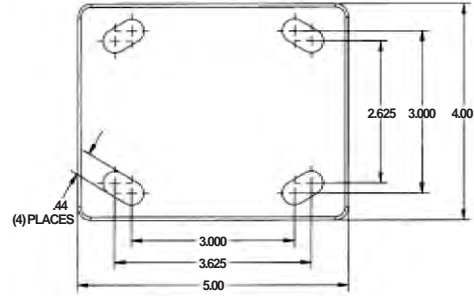


**CASTER CONCEPTS**

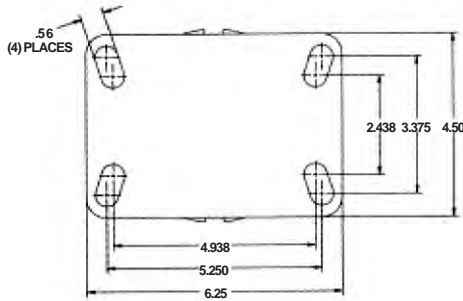
# TOP PLATE SIZES



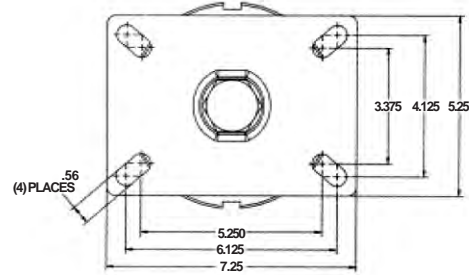
**30, 32, 34 Series**



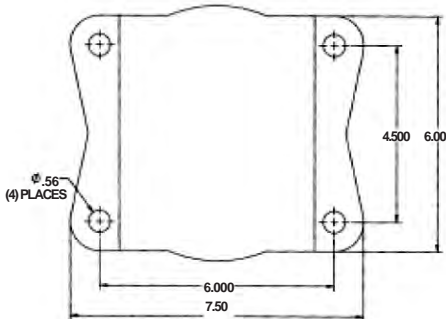
**50, 51, 2-51, 52, 53, 54 Series**



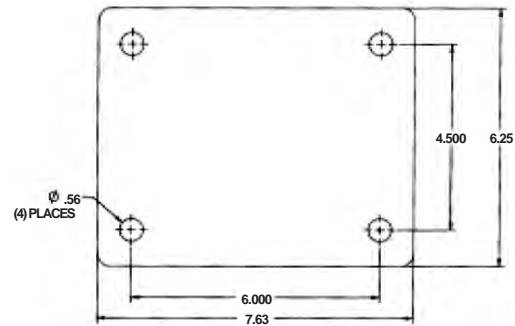
**60, 61, 2-61, 62, 63, 64, 65, 66, 67, 68, 69 Series**



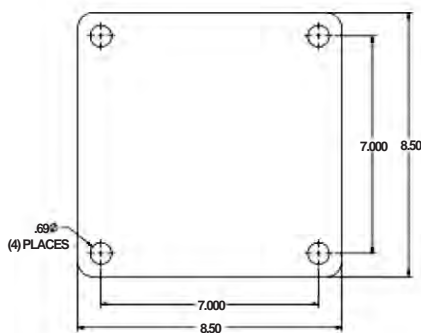
**70, 71, 2-71, 72, 73, 74 Series**



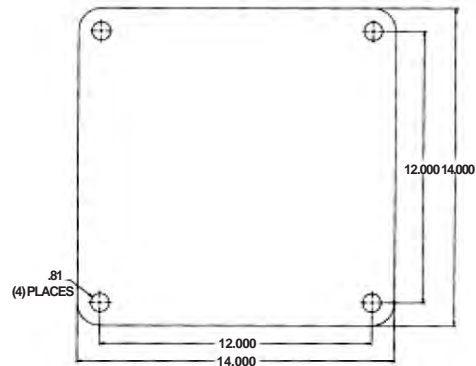
**80, 82, 83, 84, 85, 86 Series**



**81, 2-81 Series**



**90, 91, 2-91, 92, 93, 94, 95, 96 Series**



**99, 2-99 Series**

## TOP PLATE THICKNESS

SERIES	SWIVEL	RIGID	SERIES	SWIVEL	RIGID
50	1/4"	3/8"	80	1/2"	1/2"
51	3/8"	3/8"	81	1/2"	1/2"
57	5/16"	3/8"	85	1/2"	1/2"
60	0.3	3/8"	90	5/8"	5/8"
61	3/8"	3/8"	91	5/8"	5/8"
65	0.3	3/8"	95	5/8"	3/8"
70	3/8"	3/8"	99	1"	1"
71	3/8"	3/8"			

Note: All top plate thicknesses are nominal. Forged top plates may vary.



## CASTER CONCEPTS

# WHEELS AT A GLANCE



### Forged Steel

Fine grain forged steel wheels are precision machined to offer the greatest load capacity, impact strength and rollability. Precision tapered bearings compliment the characteristics of these wheels.



### Cast Iron

Precision machined cast iron wheels feature premium Class 30 gray iron with a heavy duty cross sections. These wheels are excellent for high heat applications.



### Ductile Iron

Ductile iron wheels feature many of the same characteristics of cast iron; however, the ductile iron wheel has higher tensile and yield strengths. Resists breaking or chipping.



### Polyurethane

Polyurethane wheels feature a higher capacity material than rubber, provide longer wear, and will not damage your floors like cast iron or steel. A wide variety of liquid cast polyurethane wheels are offered.



### Mold On Rubber

Rubber offers a cost effective alternative to polyurethane while providing a cushioned and quiet ride for the product being transported. Neoprene and high load compounds are also available.



### Softech

Softtech wheels feature a soft, non-marking tire on a rust-free polyolefin core. Softtech wheels reject floor debris and are highly resistant to most chemicals.



### NyTec-MD

NyTec wheels provide a tough material which can handle up to 80% the weight of steel or cast iron. NyTec has excellent load carrying capacities and resists corrosion. NyTec provides a long wearing material and is especially suitable when maintenance is an issue.



### Phenolic Resin

Phenolic resin wheels offer a load carrying capacity approaching that of cast iron or steel wheels. Phenolic resin wheels are a cost effective alternative with increased rollability and will not damage floors.



### Solid Elastomer

Solid, non-marking polyurethane is used for high load capacities. These wheels are harder than soft rubber. They will not damage floors. Solid elastomer wheels do not develop flat spots under standing loads.



**CASTER CONCEPTS**

**WHEELS AT A GLANCE cont.**



**V-Groove**  
 "V" grooves are machined from either cast iron or hot forged steel wheels. V-grooves work on track or off track and are essential where precise alignment or indexing of equipment is necessary.



**Flanged**  
 Single and dual-flanged wheels operate on a rail for locating fixtures in a precise position for indexing through a work cycle. Premium cast iron and steel is used for the wheel material to provide high strength and long wear.



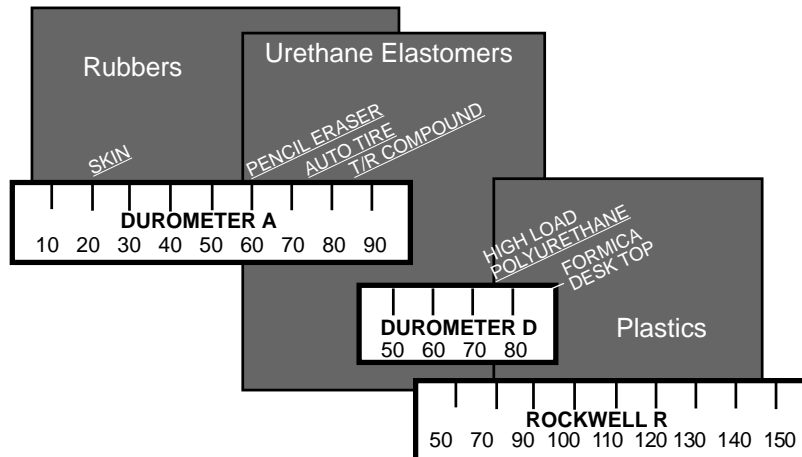
**Pneumatic**  
 Pneumatic wheels offer the highest cushioning, shock absorbing caster/wheel, without moving to a more expensive spring loaded caster. Capacities of pneumatics are limited due to the soft cushioning characteristics of the wheel.



**Drive/Keyway**  
 Drive/Keyway wheels are offered from 3" to 18" diameter. Bore sizes from 1/2" to 2-7/16". Drive surfaces of poly, rubber, or steel. Excellent for power transmission applications.

**HARDNESS COMPARISON CHART**

Wheel Type	Tread Material	Durometer	Scale
N/A	Soft Tread Rubber	70 – 80	A
30 & 35	Phenolics	145 – 150	R
60 & 65 & 68	Polyurethane	90 – 100	A
61 & 66 & 69	Soft Polyurethane	80 – 90	A
63 & 67	Hard Polyurethane	70	D
70	Rubber	65 – 75	A
71	Aluminum Core/Rubber	70 – 80	A
72	Softech	70	A
73	Neoprene	65 – 75	A
76	Pneumatic	55 – 60	A



WHEELS AT A GLANCE/HARDNESS





## CASTER CONCEPTS

# BRAKE TYPES



### Cam (C)

The cam brake is used on lighter duty casters. This brake provides an efficient, cost-effective hub braking system.



### Single Side (SS)

The single-side brake is an economical brake for medium heavy-duty casters with 6 to 12 inch diameter wheels.



### Dual Side (DS)

The dual side brake is a cost-effective hub brake. Each brake lever must be engaged by the operator.



### Wrap Around (W)

The wrap around brake provides total access to the braking system regardless of the caster orientation.



### Poly Lock (P)

A polyurethane cam roller engages a steel brake shoe against the tread of the wheel providing positive engagement of the tread. Levers can be mounted "toe out" (shown) or reversed to "toe in."



### Pneumatic Poly Cam (PP)

Similar to the standard poly cam brake in operation, the pneumatic poly cam brake offers a greater movement of the brake shoe to compensate for pneumatic tires. The brake is foot operated.



### Toe Guard (TG)

The toe guard is mounted approximately one half of an inch off the floor to help protect workers' feet. It can be used in both manual and power applications.



### Face Contact (F)

The face contact brake is activated by tightening the brake shoe against the wheel.



## CASTER CONCEPTS

# SWIVEL LOCK TYPES



### Swivel Lock (L)

The swivel lock provides notches every ninety degrees for use in straight line movement of the cart. Also available in 1, 3 or 8 position.



### Heavy Duty (HDL)

The heavy duty swivel lock provides a longer, more accessible handle made from machined steel.



### Vertical Mounted (V)

The vertical mounted swivel lock is mounted out of the way, under the yoke base of the caster. Used mostly in heavy duty applications, this swivel lock provides a more secure locking feature.



### Demountable (DL)

The demountable swivel lock is a field-installed option available up to the 71 Series. Other series can be ordered with demountable swivel locks where damage to the swivel lock may occur.



### Passive (PL)

The passive swivel lock is used when full mobility of a unit is needed. The swivel lock plunger engages a detent and locks the caster for straight line movement. When side thrust is applied, the swivel unlocks providing maximum maneuverability of the unit. This swivel lock is NOT RECOMMENDED for towed applications.

## OTHER OPTIONS .... BEYOND STANDARD



Threaded Zerks



Angle Reinforced Legs



Caster With Steering Tubes



Track Brush Wiper



**CASTER CONCEPTS**

# BEARING TYPES



## **Roller Bearings**

The roller bearing is capable of carrying a greater load than the same size diameter ball bearing. It has a split outer race shell into which the roller assembly is inserted. The bearings are contained by hardened washers.



## **Precision Tapered Bearings**

The precision tapered bearing is the most effective bearing for heavy loads. It is capable of absorbing excessive side thrust loading and can be used where high speed operation is essential. Bearings should be periodically inspected to ensure proper adjustment.



## **Precision Sealed Ball Bearings**

Recommended for maximum rolling ease with no maintenance lubrication required. Quiet operation for medium-duty to heavy-duty loads. Not suggested for severe side or impact loads.



## **Oilite and Bronze Bearings**

Oilite bearings are impregnated with oil that self lubricates during use. It is resistant to corrosion and suited for wet applications, slow speeds, high heat and very low maintenance.



## **Delrin Bearings**

Delrin bearings are extremely durable under a wide range of temperatures, humid conditions and are corrosion resistant. Wheels with the Delrin bearings are well suited for applications such as steam cleaning or where excessive water or liquid is present.



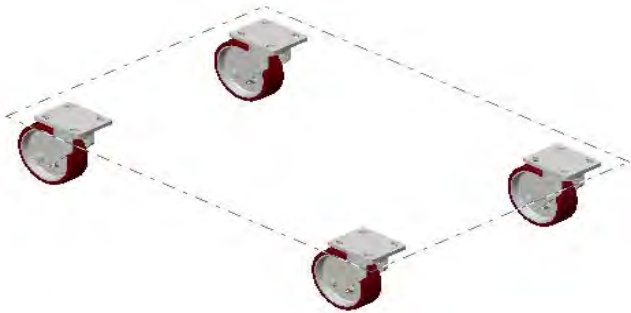
## **Annular Ball Bearing**

Bearings are machined with hardened raceways. Ideal for applications where maximum rolling ease and quiet operation are needed. Best suited for light to medium-duty loads. Bearing is pre-assembled and the entire unit is mounted in the wheel.

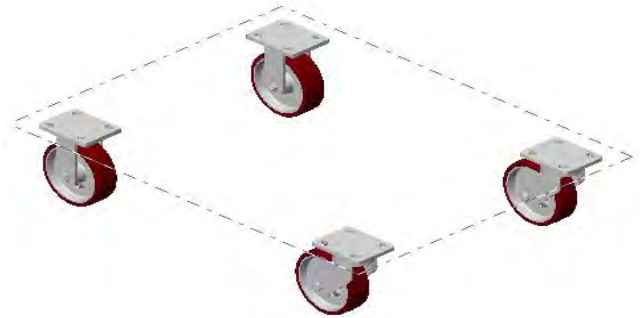


**CASTER CONCEPTS**

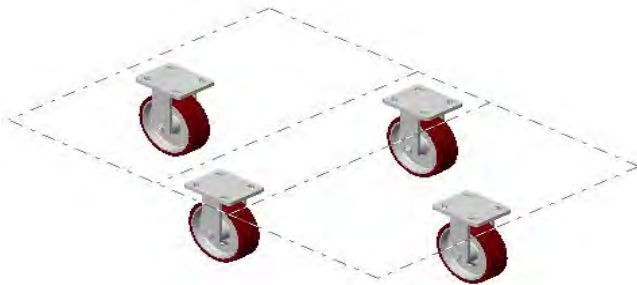
# CASTER COMBINATIONS FOR TRUCKS



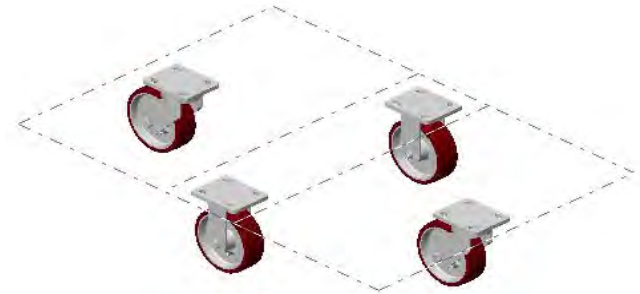
**4-Wheel Non-Tilt (all swivels)** This cart configuration can be maneuvered in any direction. Ideal for confined areas, but needs swivel lock for traveling long distances in a straight line.



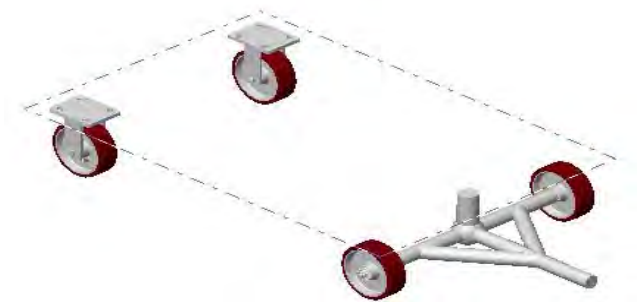
**4-Wheel Caster Steer (2 swivels, 2 rigid)** This cart configuration is the most popular. It is easily turned or pushed straight and it also trails well.



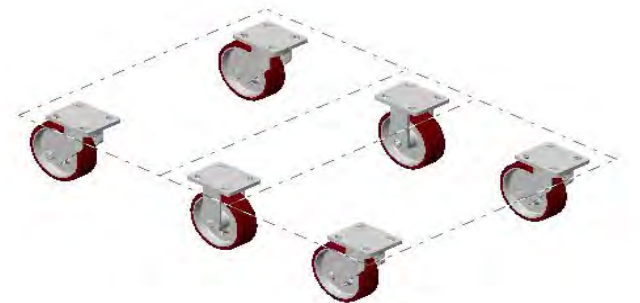
**4-Wheel Diamond Pattern (all rigid)** This tilt-type cart configuration rotates or pivots on the center wheels. This is the lowest cost cart configuration and is suitable for light loads. This design cannot be pushed sideways.



**4-Wheel Diamond Pattern (2 swivels, 2 rigid)** This cart configuration is highly maneuverable and will rotate in its own length.



**Wagon (Fifth Wheel Steer)** This trailer configuration features large axle mounted wheels for heavy loads. This is usually powered drawn.



**6-Wheel Tilt or Non-Tilt (4 swivel, 2 rigid)** This cart configuration is recommended for heavy loads and extra long trucks. It turns in its own length. The casters on the corners provide stability.



**CASTER CONCEPTS**

# 30 SERIES MEDIUM DUTY CASTERS 900 maximum capacity LBS

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## FEATURES

**Swivel Section:** Cold forged out of 1/4" steel, the swivel section includes high-strength double row ball bearings in smooth raceways.

**Legs:** 1/4" steel formed for strength

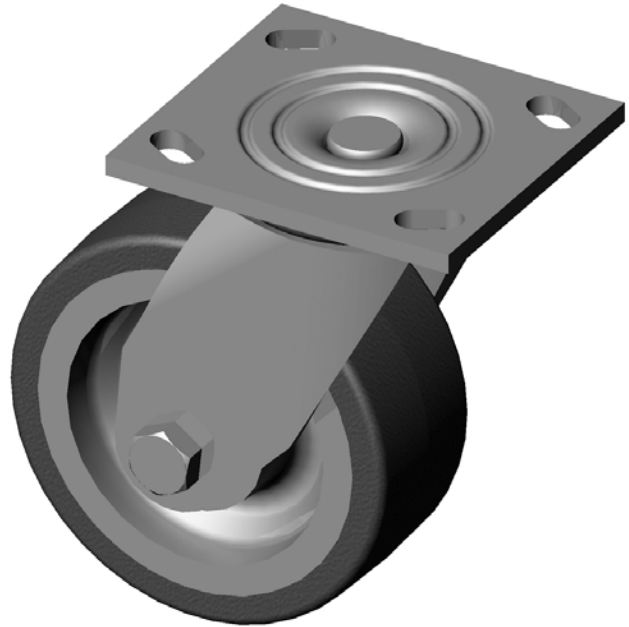
**Kingpin:** 5/8" diameter kingpin

**Axle:** 1/2" diameter

**Lubrication:** Pre-lubricated before shipping

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

**Finish:** Zinc plated for corrosion resistance



30-05201-60-1 shown

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## BENEFITS

The 30 Series is constructed of cold forged steel and is recommended for medium duty applications.

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## OPTIONS

Brakes

Cam:	C*
Tread Lock:	T
Swivel Locks:	
Factory Installed:	L
Demountable:	DL
Sealed Wheels :	SW
Toe Guard:	TG

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## APPLICATIONS

Excellent for dollies, waste disposal trucks, warehouse trucks, proof or cooling racks, portable work benches, floor trucks, shop carts, drywall dollies, trailer frames, wire shelving units, tool boxes, laundry distribution carts, manual lifting devices, unitized dairy distribution carts and other medium duty applications.



Spindle rack for gear blanks. T/R compound soft polyurethane is floor protective and will not pick up machine shavings or debris.

\*For wheels with diameter >6





**CASTER CONCEPTS**

# 30 SERIES MEDIUM DUTY CASTERS

## 900 maximum capacity LBS

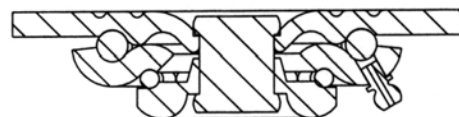
30 SERIES MEDIUM DUTY CASTERS 900 lbs maximum capacity

WHEEL			CAPACITY			PART NUMBER		
Dia.	Width	Material	Roller Bearing	OAH	Swivel Lead	Straight Roller	Precision Ball	Wt.
4	1.50	Forged Steel	900	5.63	1.38	30-04101-20-1		6.0
4	2.00	Import Cast Iron	900	5.63	1.38	30-04201-14-1	30-04204-14-1*	7.5
4	2.00	Phenolic Resin	700	5.63	1.38	30-04201-30-1		6.5
4	2.00	Polyurethane	750	5.63	1.38	30-04201-60-1		7.5
4	2.00	Soft Polyurethane	600	5.63	1.38	30-04201-66-1	30-04202-66-1	7.5
4	2.00	Solid Elastomer	650	5.63	1.38	30-04201-62-1	30-04202-62-1	7.5
4	2.00	Import Mold on Rubber	350	5.63	1.38	30-04201-74-1		7.5
4	2.00	Softech	250	5.63	1.38	30-04201-72-1	30-04204-72-1*	7.5
5	2.00	Import Cast Iron	900	6.50	1.69	30-05201-14-1		8.0
5	2.00	Forged Steel	900	6.50	1.69	30-05201-20-1		8.0
5	2.00	Phenolic Resin	900	6.50	1.69	30-05201-30-1		7.0
5	2.00	Polyurethane	900	6.50	1.69	30-05201-60-1		9.0
5	2.00	Soft Poly	800	6.50	1.69	30-05201-61-1	30-05202-61-1	8.0
5	2.00	Solid Elastomer	800	6.50	1.69	30-05201-62-1	30-05202-62-1	7.0
5	2.00	Import Mold on Rubber	400	6.50	1.69	30-05201-74-1		8.0
5	2.00	Softech	275	6.50	1.69	30-05201-72-1	30-05204-72-1*	8.0
6	2.00	Import Cast Iron	900	7.50	2.00	30-06201-14-1		10.0
6	2.00	Forged Steel	900	7.50	2.00	30-06201-20-1		10.0
6	2.00	Phenolic Resin	900	7.50	2.00	30-06201-30-1		8.0
6	2.00	Polyurethane	900	7.50	2.00	30-06201-60-1	30-06202-60-1	10.0
6	2.00	Soft Poly	900	7.50	2.00	30-06201-61-1	30-06202-61-1	9.0
6	2.00	Solid Elastomer	900	7.50	2.00	30-06201-62-1	30-06202-62-1	9.0
6	2.00	Import Mold on Rubber	425	7.50	2.00	30-06201-74-1		9.0
6	2.00	Softech	450	7.50	2.00	30-06201-72-1	30-06204-72-1*	9.0
8	2.00	Import Cast Iron	900	9.50	2.38	30-08201-14-1		10.0
8	2.00	Phenolic Resin	900	9.50	2.38	30-08201-30-1		9.0
8	2.00	Polyurethane	900	9.50	2.38	30-08201-60-1	30-08202-60-1	10.0
8	2.00	Soft Poly	900	9.50	2.38	30-08201-61-1	30-08202-61-1	9.0
8	2.00	Solid Elastomer	900	9.50	2.38	30-08201-62-1	30-08202-62-1	9.0
8	2.00	Import Mold on Rubber	500	9.50	2.38	30-08201-74-1		10.0
8	2.00	Softech	600	9.50	2.38	30-08201-72-1	30-08204-72-1*	10.0

Capacity listed is 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 (i.e. 30-06201-30-2)  
 Estimated weight is for the swivel caster. Deduct 20% of swivel caster weight for rigid caster.  
 \* These casters have annular ball bearings.  
 All dimensions are in inches. All weights are in pounds.

Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard: 4.0 x 4.5	2.625 x 3.625 Slotted to 3.0 x 3.0	0.375
OT 35: 5 x 5.5	4.12 x 4.50	0.375

30 Series Cross Sectional View





**CASTER CONCEPTS**

# 50 MEDIUM HEAVY DUTY SERIES CASTERS 1500 maximum capacity LBS

## FEATURES

**Swivel section:** Constructed of hot forged SAE 1045 steel and built to the same dimensions as popular cold forged industrial casters. The 2-1/2" diameter load race is precision machined to a mirror smooth finish.

**Kingpin:** 3/4" diameter, integrally forged as part of the top plate, machined concentric to the load race.

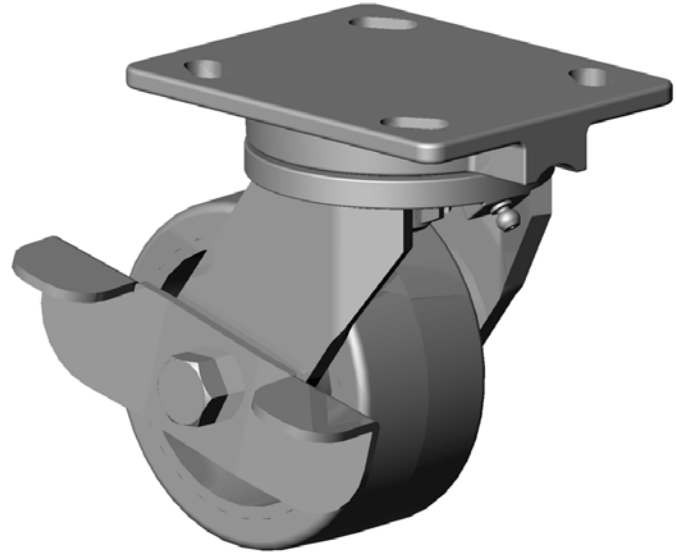
**Legs:** 1/4"x 2" formed steel bar and welded inside and outside to the yoke base.

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

**Lubrication:** Pre-lubricated before shipping

**Wheels:** 4" to 8" diameter wheels with straight roller bearings, ball bearings or tapered roller bearings.

**Finish:** Clear zinc plating



50-06201-62-1C shown with optional cam brake

## BENEFITS

This heavy duty hot forged swivel caster is built for severe service. The hot forged, machined raceway with integral kingpin and steel bar formed and welded legs provides a stronger swivel with heavier section thickness. The long wearing characteristics of this caster will outperform cold forged or stamped casters in swivel applications.

## APPLICATIONS

Production racks and fixtures, live skids, unitized dairy distribution carts, automated assembly lines.

## OPTIONS

### Brakes

Cam:	C*
Poly Cam:	P*
Tread Lock:	T
Wrap Around:	W*
Dual Side:	DS

### Swivel Locks

Factory Installed:	L
Demountable:	DL
Passive:	PL

Sealed Swivel:	SSW
Sealed Wheels:	SW
Toe Guard:	TG
Heat Treated Raceways:	HT

### If You Don't See It....Ask Us

In addition to the standard casters and wheels found in this catalog, Caster Concepts also provides:

- Lift truck stabilizer casters
- Turntable casters
- Press-on polyurethane wheels
- Aluminum core wheels

Other specialized solutions

**CASTER CONCEPTS** *Beyond Standard*

\*For wheels with diameter ≥ 6 inches



**CASTER CONCEPTS**

# 50 MEDIUM HEAVY DUTY SERIES CASTERS 1500 maximum capacity LBS

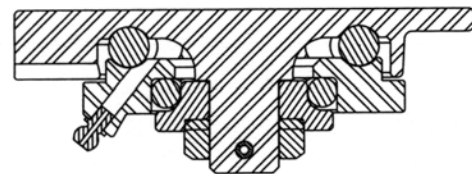
50 SERIES MEDIUM HEAVY DUTY CASTERS 1,500 lbs maximum capacity

WHEEL		CAPACITY				PART NUMBER			
Dia.	Width	Material	Roller Bearing	Precision Ball	OAH	Swivel Lead	Roller Bearing	Precision Ball	Wt.
4	1.50	Forged Steel	1,400	1,400	5.63	1.50	50-04101-20-1	50-04109-20-1†	7.25
4	2.00	Phenolic Resin	800		5.63	1.50	50-04201-30-1		7.50
4	2.00	Cast Iron	1,000		5.63	1.50	50-04201-10-1		7.50
4	2.00	Polyurethane	700	700	5.63	1.50	50-04201-60-1	50-04204-60-1	7.50
4	2.00	Soft Polyurethane	600	600	5.63	1.50	50-04201-66-1	50-04202-66-1	7.50
4	2.00	Envirothane	650	650	5.63	1.50	50-04201-62-1	50-04202-62-1	7.50
4	2.00	Mold on Rubber	350		5.63	1.50	50-04201-70-1		8.20
4	2.00	Softech	250	250	5.63	1.50	50-04201-72-1	50-04204-72-1*	8.00
5	2.00	Forged Steel	1,500	1,500	6.50	1.75	50-05201-20-1	50-05209-20-1†	10.20
5	2.00	Cast Iron	1,200		6.50	1.75	50-05201-10-1		9.20
5	2.00	Phenolic Resin	1,000		6.50	1.75	50-05201-30-1		8.50
5	2.00	Polyurethane	1,050	1,050	6.50	1.75	50-05201-60-1	50-05202-60-1	10.00
5	2.00	T/R Compound	850	850	6.50	1.75	50-05201-61-1	50-05202-61-1	10.00
5	2.00	Envirothane	800	800	6.50	1.75	50-05201-62-1	50-05202-62-1	7.50
5	2.00	Mold on Rubber	400		6.50	1.75	50-05201-70-1		10.00
5	2.00	Softech	275	275	6.50	1.75	50-05201-72-1	50-05204-72-1*	10.00
6	2.00	Forged Steel	1,500	1,500	7.50	2.25	50-06201-20-1	50-06209-20-1†	13.50
6	2.00	Cast Iron	1,200		7.50	2.25	50-06201-10-1		13.00
6	2.00	Phenolic Resin	1,200		7.50	2.25	50-06201-30-1		9.50
6	2.00	Polyurethane	1,200	1,200	7.50	2.25	50-06201-60-1	50-06202-60-1	12.00
6	2.00	T/R Compound	1,000	1,000	7.50	2.25	50-06201-61-1	50-06202-61-1	12.00
6	2.00	Solid Elastomer	950	950	7.50	2.25	50-06201-62-1	50-06202-62-1	12.00
6	2.00	Mold on Rubber	425		7.50	2.25	50-06201-70-1		12.00
6	2.00	Softech	450	450	7.50	2.25	50-06201-72-1	50-06204-72-1*	12.00
8	2.00	Cast Iron	1,500		10.12	2.25	50-08201-10-1		16.50
8	2.00	Phenolic Resin	1,400		10.12	2.25	50-08201-30-1		12.00
8	2.00	Polyurethane	1,500	1,500	10.12	2.25	50-08201-60-1	50-08202-60-1	14.00
8	2.00	T/R Compound	1,200	1,200	10.12	2.25	50-08201-61-1	50-08202-61-1	14.00
8	2.00	Solid Elastomer	1,300	1,300	10.12	2.25	50-08201-62-1	50-08202-62-1	14.00
8	2.00	Mold on Rubber	500		10.12	2.25	50-08201-70-1		14.00
8	2.00	Softech	600	600	10.12	2.25	50-08201-72-1	50-08204-72-1*	14.00

Capacity listed is 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 (i.e. 50-06201-60-2)  
 Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.  
 †This caster has tapered roller bearings.  
 \* This caster has annular ball bearings.  
 All dimensions are in inches. All weights are in pounds.

Top Plate Size	Bolt Hole Spacing	Bolt Diameter
4.0 x 5.0	2.625 x 3.625 Slotted to 3.0 x 3.0	0.375

50 Series Cross Sectional View





**CASTER CONCEPTS**

# 51 SERIES KINGPINLESS STYLE CASTERS 1500 maximum capacity LBS

## 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

**Finish:** Clear zinc plating



51-06202-61-1 shown

## 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 section and formed and welded legs provide strength and durability in rough applications.

## OPTIONS

### Brakes

Cam:	C*
Poly Cam:	P*
Tread Lock:	T
Wrap Around:	W*
Dual Side:	DS

### Swivel Locks

Factory Installed:	L
Demountable:	DL
Passive:	PL

Sealed Swivel:

SSW

Sealed Wheels:

SW

Toe Guard:

TG

\* For wheels with diameter ≥ 6 inches

## 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.



Cantilever racks holding parts for production with 51 Series casters.



**CASTER CONCEPTS**

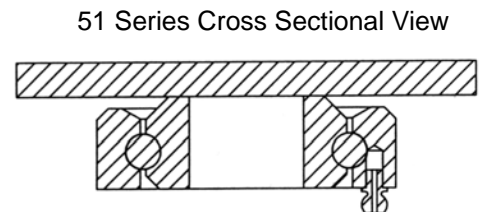
# 51 SERIES KINGPINLESS STYLE CASTERS 1500 maximum capacity LBS

51 SERIES KINGPINLESS CASTERS 1500 lbs maximum capacity

WHEEL		CAPACITY			PART NUMBER				
Dia.	Width	Material	Roller Bearing	Precision Ball	OAH	Swivel Lead	Roller Bearing	Precision Ball	Wt.
4	1.50	Forged Steel	1,400	1,400	5.62	1.50	51-04101-20-1	51-04109-20-1†	7.25
4	2.00	Phenolic Resin	800		5.62	1.50	51-04201-30-1		7.50
4	2.00	Cast Iron	1,000		5.62	1.50	51-04201-10-1		7.50
4	2.00	Polyurethane	700	700	5.62	1.50	51-04201-60-1	51-04204-60-1	7.50
4	2.00	Soft Polyurethane	600	600	5.62	1.50	51-04201-66-1	51-04202-66-1	7.50
4	2.00	Envirothane	650	650	5.62	1.50	51-04201-62-1	51-04202-62-1	7.50
4	2.00	Mold on Rubber	350		5.62	1.50	51-04201-70-1		8.20
4	2.00	Softech	250	250	5.62	1.50	51-04201-72-1	51-04204-72-1*	8.00
5	2.00	Forged Steel	1,500	1,500	6.50	1.75	51-05201-20-1	51-05209-20-1†	10.20
5	2.00	Cast Iron	1,200		6.50	1.75	51-05201-10-1		9.20
5	2.00	Phenolic Resin	1,000		6.50	1.75	51-05201-30-1		8.50
5	2.00	Polyurethane	1,050	1,050	6.50	1.75	51-05201-60-1	51-05202-60-1	10.00
5	2.00	T/R Compound	850	850	6.50	1.75	51-05201-61-1	51-05202-61-1	10.00
5	2.00	Envirothane	800	800	6.50	1.75	51-05201-62-1	51-05202-62-1	7.50
5	2.00	Mold on Rubber	400		6.50	1.75	51-05201-70-1		10.00
5	2.00	Softech	275	275	6.50	1.75	51-05201-72-1	51-05204-72-1*	10.00
6	2.00	Forged Steel	1,500	1,500	7.50	2.25	51-06201-20-1	51-06209-20-1†	13.50
6	2.00	Cast Iron	1,200		7.50	2.25	51-06201-10-1		13.00
6	2.00	Phenolic Resin	1,200		7.50	2.25	51-06201-30-1		9.50
6	2.00	Polyurethane	1,200	1,200	7.50	2.25	51-06201-60-1	51-06202-60-1	12.00
6	2.00	T/R Compound	1,000	1,000	7.50	2.25	51-06201-61-1	51-06202-61-1	12.00
6	2.00	Solid Elastomer	950	950	7.50	2.25	51-06201-62-1	51-06202-62-1	12.00
6	2.00	Mold on Rubber	425		7.50	2.25	51-06201-70-1		12.00
6	2.00	Softech	450	450	7.50	2.25	51-06201-72-1	51-06204-72-1*	12.00
8	2.00	Cast Iron	1,500		10.12	2.25	51-08201-10-1		16.50
8	2.00	Phenolic Resin	1,400		10.12	2.25	51-08201-30-1		12.00
8	2.00	Polyurethane	1,500	1,500	10.12	2.25	51-08201-60-1	51-08202-60-1	14.00
8	2.00	T/R Compound	1,200	1,200	10.12	2.25	51-08201-61-1	51-08202-61-1	14.00
8	2.00	Solid Elastomer	1,300	1,300	10.12	2.25	51-08201-62-1	51-08202-62-1	14.00
8	2.00	Mold on Rubber	500		10.12	2.25	51-08201-70-1		14.00
8	2.00	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.

Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Std: 4.0 x 5.0	2.625 x 3.625 Slotted to 3.0 x 3.0	0.375
OT 60: 4.5 x 6.25	2.438 x 4.938 Slotted to 3.375 x 5.25	0.5
OT 70: 5.0 x 7.25 x .38	3.375 x 5.25 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**  
Beyond Standard.

# 57 KINGPINLESS CASTERS

## SERIES

# 1200

maximum capacity  
LBS

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## FEATURES

**Swivel Section:** Sealed precision ball bearing with hardened raceways and neoprene seals

**Kingpin:** Kingpinless Style Design

**Legs:** 1/4" x 2" steel, formed and continuously welded on the inside and outside of the yoke base

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

**Lubrication:** Sealed ball bearing is lubricated and requires zero maintenance

**Wheels:** 6" to 10" diameter wheels are available with sealed precision ball bearings

**Finish:** Clear zinc plating

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## BENEFITS

The 57 Series is maintenance free with its sealed precision ball bearing in the swivel section and in the wheels. The smooth rotation action and extended lead help lower ergonomic forces.

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## OPTIONS

### Brakes

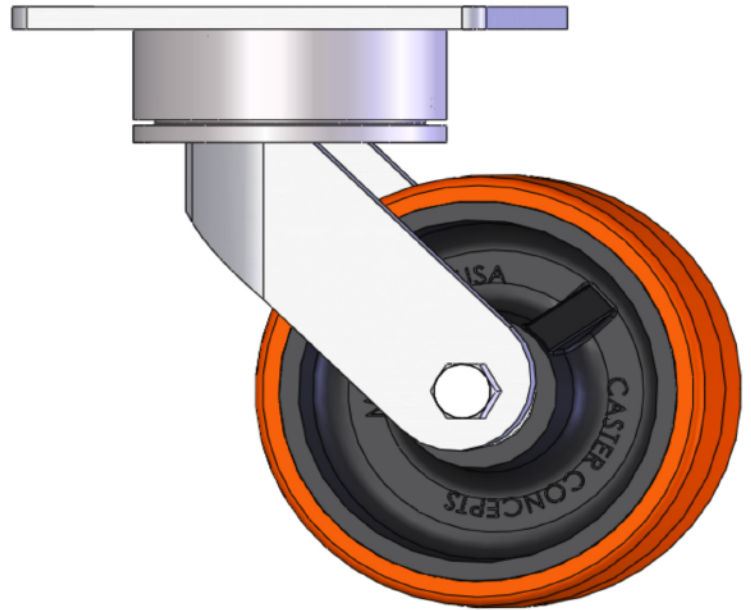
Poly Lock:	P*
Face Contact:	F

### Swivel Locks

Factory Installed:	L
Demountable:	DL
Passive:	PL

Sealed Wheels:	SW
Toe Guard:	TG

\* For wheels with diameters  $\geq 6$  inches



57-06202-61-1 shown

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## APPLICATIONS

Excellent for production racks and fixtures, parts bins, conveyer system, and other applications where maintenance free casters and ergonomics are concerns.



**CASTER CONCEPTS**  
Beyond Standard.

# 57 KINGPINLESS CASTERS

## SERIES 1200 maximum capacity LBS

WHEEL		CAPACITY		PART NUMBER			
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DIA	WIDTH	MATERIAL	PRECISION BALL BEARING	OAH	SWIVEL LEAD	PRECISION BALL BEARING	WT.	SWIVEL RADIUS
6	2	CAST IRON	1200	8.31	2.75	57-06202-10-1	14	5.83
6	2.19	NYTEC	1200	8.31	2.75	57-06202-39-1	12	5.85
6	2	STD. POLY	1200	8.31	2.75	57-06202-60-1	12	5.83
6	2	T/R POLY	960	8.31	2.75	57-06202-61-1	12	5.83
6	2	HARD POLY	1200	8.31	2.75	57-06202-63-1	12	5.83
6	2	HPPT POLY	1200	8.31	2.75	57-06202-90-1	12	5.83
8	2	PHENOLIC	1200	10.13	2.75	57-08202-30-1	12	6.82
8	2.19	NYTEC	1200	10.13	2.75	57-08202-39-1	13	6.83
8	2	STD. POLY	1200	10.13	2.75	57-08202-60-1	16	6.82
8	2	T/R POLY	1200	10.13	2.75	57-08202-61-1	16	6.82
8	2	HARD POLY	1200	10.13	2.75	57-08202-63-1	16	6.82
8	2	HPPT POLY	1200	10.13	2.75	57-08202-90-1	16	6.82

Capacity listed is 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 (i.e. 57-08202-60-2)  
 Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.  
 \* This caster has precision ball bearings.  
 All dimensions are in inches. All weights are in pounds.

Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Std: 4.5 x 6.25	2.438 x 4.938 Slotted to 3.375 x 5.25	0.5
OT 70: 5.0 x 7.25	3.375 x 5.25 Slotted to 4.125 x 6.125	0.5

57 Series Cross Sectional View





**CASTER CONCEPTS**

# 60 SERIES HEAVY DUTY CASTERS

## 1500 maximum capacity LBS

### FEATURES

**Swivel Section:** The hot forged, SAE 1045 steel swivel section features a precision machined 3-1/4" diameter load race with 7/16" ball bearings.

**Kingpin:** 3/4" integrally forged as part of the top plate with fully machined raceways and slotted adjusting nut

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

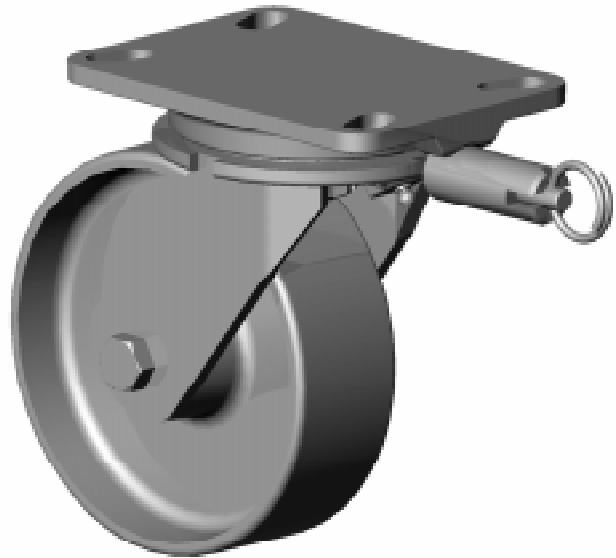
**Axle:** 1/2" diameter axle

**Lubrication:** Pre-lubricated before shipping

**Wheels:** 4" to 8" wheels

**Finish:** Water-based acrylic gray paint

**Standard:** Notched yoke base for field installation of swivel locks.



60-06201-20-1 with optional four position swivel lock

### BENEFITS

The 60 Series hot forged casters are heavier and stronger than cold forged casters. Additionally, the precision machined raceways have longer wearing characteristics. Available with a wide variety of options, these heavy duty casters are excellent for in-plant equipment.

### APPLICATIONS

Excellent for parts bins, towline carts, dough troughs, automated vehicles, production racks and fixtures, pan trucks, conveyor systems and other heavy duty applications.

### OPTIONS

#### Brakes

Cam:	CB-60
Poly Cam:	PCB-60*
Tread Lock:	TLB-60
Wrap Around:	WAB-60
Dual Side:	DSB-60

#### Swivel Locks

Factory Installed:	SL-60
Demountable:	DSL-60

Sealed Swivel: SS-60

Sealed Wheel: WS

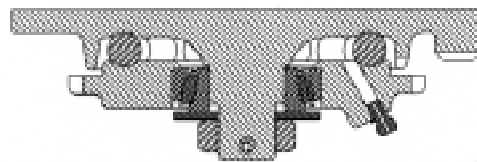
Toe Guard TG-60

Precision Tapered Thrust Bearings (68 Series)

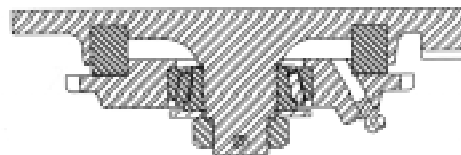
Precision Tapered Load & Trust Bearings (69 Series)

\*For wheels with diameter ≥ 6 inches

68 Series Cross Sectional View



69 Series Cross Sectional View





**CASTER CONCEPTS**

# 60 SERIES HEAVY DUTY CASTERS

## 1500 maximum capacity LBS

60 SERIES HEAVY DUTY CASTERS 1500 lbs maximum capacity

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	60-04101-20-1	60-04109-20-1†	7.25
4	2.0	Phenolic Resin	800		5.62	1.50	60-04201-30-1		7.50
4	2.0	Cast Iron	1,000		5.62	1.50	60-04201-10-1		7.50
4	2.0	Polyurethane	700	700	5.62	1.50	60-04201-60-1	60-04204-60-1	7.50
4	2.0	Soft Polyurethane	600	600	5.62	1.50	60-04201-66-1	60-04202-66-1	7.50
4	2.0	Envirothane	650	650	5.62	1.50	60-04201-62-1	60-04202-62-1	7.50
4	2.0	Mold on Rubber	350		5.62	1.50	60-04201-70-1		8.20
4	2.0	Softech	250	250	5.62	1.50	60-04201-72-1	60-04204-72-1*	8.00
5	2.0	Forged Steel	1,500	1,500	6.50	1.75	60-05201-20-1	60-05209-20-1†	10.20
5	2.0	Cast Iron	1,200		6.50	1.75	60-05201-10-1		9.20
5	2.0	Phenolic Resin	1,000		6.50	1.75	60-05201-30-1		8.50
5	2.0	Polyurethane	1,050	1,050	6.50	1.75	60-05201-60-1	60-05204-60-1	10.00
5	2.0	T/R Compound	850	850	6.50	1.75	60-05201-61-1	60-05204-61-1	10.00
5	2.0	Envirothane	800	800	6.50	1.75	60-05201-62-1	60-05202-62-1	7.50
5	2.0	Mold on Rubber	400		6.50	1.75	60-05201-70-1		10.00
5	2.0	Softech	275	275	6.50	1.75	60-05201-72-1	60-05204-72-1*	10.00
6	2.0	Forged Steel	1,500	1,500	7.50	2.25	60-06201-20-1	60-06209-20-1†	13.50
6	2.0	Cast Iron	1,200		7.50	2.25	60-06201-10-1		13.00
6	2.0	Phenolic Resin	1,200		7.50	2.25	60-06201-30-1		9.50
6	2.0	Polyurethane	1,200	1,200	7.50	2.25	60-06201-60-1	60-06202-60-1	12.00
6	2.0	T/R Compound	1,000	1,000	7.50	2.25	60-06201-61-1	60-06202-61-1	12.00
6	2.0	Solid Elastomer	950	950	7.50	2.25	60-06201-62-1	60-06202-62-1	12.00
6	2.0	Mold on Rubber	425		7.50	2.25	60-06201-70-1		12.00
6	2.0	Softech	450	450	7.50	2.25	60-06201-72-1	60-06204-72-1*	12.00
8	2.0	Cast Iron	1,500		10.12	2.25	60-08201-10-1		16.50
8	2.0	Phenolic Resin	1,400		10.12	2.25	60-08201-30-1		12.00
8	2.0	Polyurethane	1,500	1,500	10.12	2.25	60-08201-60-1	60-08202-60-1	14.00
8	2.0	T/R Compound	1,200	1,200	10.12	2.25	60-08201-61-1	60-08202-61-1	14.00
8	2.0	Solid Elastomer	1,300	1,300	10.12	2.25	60-08201-62-1	60-08202-62-1	14.00
8	2.0	Mold on Rubber	500		10.12	2.25	60-08201-70-1		14.00
8	4.0	Softech	600	600	10.12	2.25	60-08201-72-1	60-08204-72-1*	14.00

Capacity listed is 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 (i.e. 60-06201-60-2)  
 Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

† This caster has tapered roller bearings

\* This caster has annular ball bearing

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

For tapered thrust bearings, change the first two digits to 68 (i.e. 68-08202-62-1)

For tapered load and thrust bearings, change the first 2 digits to 69 (i.e. 69-08202-62-1)

Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Std: 4.5 x 6.25	2.438 x 4.938 Slotted to 3.375 x 5.25	0.50

60 Series Cross Sectional View





**CASTER CONCEPTS**

61

**SERIES KINGPINLESS STYLE  
CASTERS 3500** maximum capacity LBS

**FEATURES**

**Swivel Section:** A high alloy steel swivel section features a precision machined and through hardened 3-1/4" diameter raceway with 1/2" inch ball bearings.

**Kingpin:** Kingpinless style design

**Legs:** 3/8" x 2-1/2" legs are formed and continuously welded inside and outside to the yoke base

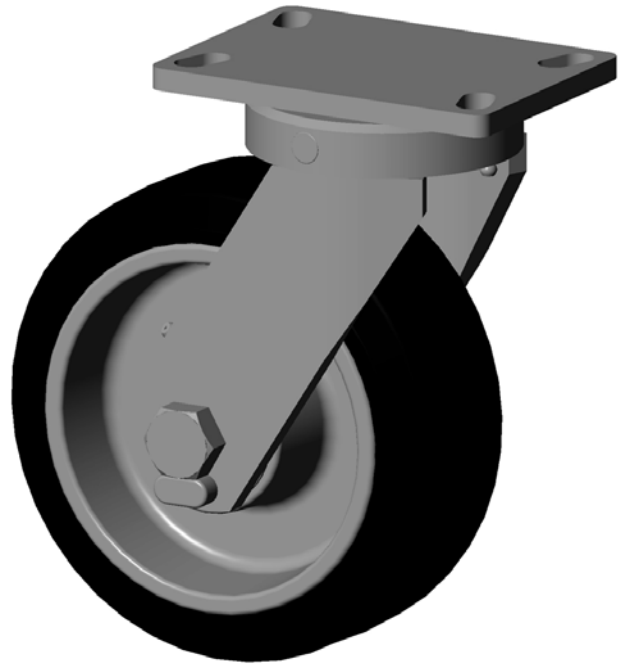
**Axle:** 3/4" diameter axle

**Lubrication:** Pre-lubricated before shipping

**Wheels:** 4" to 12" diameter wheels have a 1" straight roller bearing. The roller bearing rotates on a hardened and ground 1" steel spanner bushing.

Tapered bearings are 3/4" I.D. with neoprene lip seals standard. Precision ball bearings are available for ergonomic applications.

**Finish:** Clear zinc plating



61-08301-70-1 shown

**BENEFITS**

The 61 Series kingpinless style swivel bearings act as both load and thrust components and lock the swivel section together to distribute the load over a larger area. The single ball race design provides easy maneuverability and longevity under high load situations. The 61 Series casters are built to long established industry standards for top plate size, bolt hole spacing and overall height.

**APPLICATIONS**

Floor tow lines, works-in-progress carts, trash trucks, dough troughs, fixture carts, drywall dollies, autoclave dollies, tread book trays, automotive body dollies, gantry cranes, lift truck battery handling equipment, automated guided vehicles, and conveyor systems.

**OPTIONS**

**Brakes**

- Poly Cam: P\*
- Tread Lock: T
- Wrap Around: W\*
- Face Contact: F
- Single Side: SS
- Dual Side: DS

**Swivel Locks**

- Factory Installed: L
- Demountable: DL

- Sealed Swivel: SSW
- Sealed Wheel: SW
- Toe Guard: TG

\* For wheels with diameters ≥ 6 inches





**CASTER CONCEPTS**

# 61 SERIES KINGPINLESS STYLE CASTERS 3500 maximum capacity LBS

61 SERIES KINGPINLESS STYLE CASTERS 3500 lbs maximum capacity

WHEEL		CAPACITY			PART NUMBER				
Dia.	Width	Material	Roller Bearing	Tapered	OAH	Swivel Lead	Strraight Roller	Precision Tapered	Wt.
4	3.00	Cast Iron	2,000	2,000	5.62	1.50	61-04301-10-1	61-04309-10-1	18.0
4	3.25	Polyurethane	1,200	1,200	5.62	1.50	61-04321-60-1	61-04329-60-1	16.0
5	2.50	Cast Iron	2,000	2,000	6.50	1.75	61-05251-10-1	61-05259-10-1	20.0
5	2.50	Polyurethane	1,325	1,325	6.50	1.75	61-05251-60-1	61-05259-60-1	20.0
5	3.00	Polyurethane	1,550	1,550	6.50	1.75	61-05301-60-1	61-05309-60-1	22.0
6	2.50	Cast Iron	2,500	2,500	7.50	2.25	61-06251-10-1	61-06259-10-1	22.5
6	2.50	Forged Steel	3,500	3,500	7.50	2.25	61-06251-20-1	61-06259-20-1	22.0
6	2.50	Phenolic Resin	1,600	1,600	7.50	2.25	61-06251-30-1	61-06259-30-1	14.5
6	2.50	Polyurethane	1,625	1,625	7.50	2.25	61-06251-60-1	61-06259-60-1	26.0
6	2.50	Mold on Rubber	550	550	7.50	2.25	61-06251-70-1	61-06259-70-1	24.0
6	3.00	Cast Iron	2,500	2,500	7.50	2.25	61-06301-10-1	61-06309-10-1	23.0
6	3.00	Phenolic Resin	2,000	2,000	7.50	2.25	61-06301-30-1	61-06309-30-1	17.0
6	3.00	Polyurethane	2,050	2,050	7.50	2.25	61-06301-60-1	61-06309-60-1	15.0
6	3.00	H.D. Polyurethane	2,450	2,450	7.50	2.25	61-06301-65-1	61-06309-65-1	14.5
6	3.00	T/R Compound	1,640	1,640	7.50	2.25	61-06301-61-1*	61-06309-61-1*	14.5
6	3.00	Mold on Rubber	675	675	7.50	2.25	61-06301-70-1	61-06309-70-1	23.0
8	2.50	Phenolic Resin	2,000	2,000	10.12	2.25	61-08251-30-1	61-08259-30-1	17.0
8	2.50	Polyurethane	2,050	2,050	10.12	2.25	61-08251-60-1	61-08259-60-1	23.0
8	2.50	T/R Compound	1,640	1,640	10.12	2.25	61-08251-66-1	61-08259-66-1	25.0
8	2.50	Mold on Rubber	670	670	10.12	2.25	61-08251-70-1	61-08259-70-1	19.0
8	3.00	Forged Steel	3,500	3,500	10.12	2.25	61-08301-20-1	61-08309-20-1	29.0
8	3.00	Cast Iron	3,500	3,500	10.12	2.25	61-08301-10-1	61-08309-10-1	39.0
8	3.00	Phenolic Resin	2,500	2,500	10.12	2.25	61-08301-30-1	61-08309-30-1	19.0
8	3.00	Polyurethane	2,520	2,520	10.12	2.25	61-08301-60-1	61-08309-60-1	27.0
8	3.00	T/R Compound	2,000	2,000	10.12	2.25	61-08301-61-1*	61-08309-61-1*	27.0
8	3.00	H.D. Polyurethane	3,100	3,100	10.12	2.25	61-08301-65-1	61-08309-65-1	25.0
8	3.00	T/R Compound	2,500	2,500	10.12	2.25	61-08301-66-1	61-08309-66-1	25.0
8	3.00	Mold on Rubber	840	840	10.12	2.25	61-08301-70-1	61-08309-70-1	24.0
10	3.00	Cast Iron	3,500	3,500	11.50	3.00	61-10301-10-1	61-10309-10-1	42.0
10	3.00	Phenolic Resin	2,900	2,900	11.50	3.00	61-10301-30-1	61-10309-30-1	21.0
10	3.00	Polyurethane	3,000	3,000	11.50	3.00	61-10301-60-1	61-10309-60-1	32.0
10	3.00	T/R Compound	2,400	2,400	11.50	3.00	61-10301-61-1*	61-10309-61-1*	32.0
10	3.00	H.D. Polyurethane	3,500	3,500	11.50	3.00	61-10301-65-1	61-10309-65-1	37.0
10	3.00	T/R Compound	2,750	2,750	11.50	3.00	61-10301-66-1	61-10309-66-1	37.0
10	3.00	Mold on Rubber	1,000	1,000	11.50	3.00	61-10301-70-1	61-10309-70-1	37.0
12	3.00	Phenolic Resin	3,500	3,500	13.50	3.00	61-12301-30-1	61-12309-30-1	30.0
12	3.00	Polyurethane	3,500	3,500	13.50	3.00	61-12301-60-1	61-12309-60-1	41.0
12	3.00	Mold on Rubber	1,125	1,125	13.50	3.00	61-12301-70-1	61-12309-70-1	32.0

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

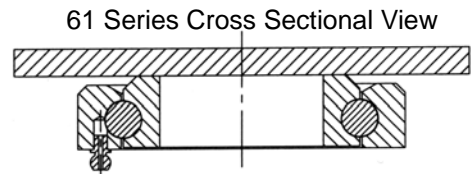
Part Numbers listed are for the swivel caster. For rigid casters, change the last digit from 1 to 2 (i.e. 61-10309-60-2)

Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

\* This caster has precision ball bearings.

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

Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Std: 4.5 x 6.25	2.438 x 4.938 Slotted to 3.375 x 5.25	0.5
OT 70: 5.0 x 7.25 x .38	3.375 x 5.25 Slotted to 4.125 x 6.125	0.5
OT 75: 6.0 x 7.0 x .38	4.625 x 5.5	0.5





CASTER CONCEPTS

# 65 SERIES HEAVY DUTY CASTERS

2000 maximum capacity  
LBS

## FEATURES

**Swivel Section:** Hot forged SAE 1045 steel swivel section features a fully machined 3-1/4" diameter raceway which is concentric to the kingpin. The yoke base is notched for field installation of swivel locks.

**Kingpin:** The 3/4" heavy section kingpin is machined out of stock which was integrally forged into the top plate.

**Legs:** 3/8" x 2-1/2" legs are formed and continuously welded inside and outside to the yoke base

**Axle:** 3/4" diameter axle

**Lubrication:** Pre-lubricated before shipping

**Wheels:** 4" to 12" diameter wheels have a 1" straight roller bearing. Roller bearing rotates on a hardened and ground 1" steel spanner bushing. Tapered bearings are 3/4" I.D.

**Standard:** Notched yoke base for field installation of swivel locks

**Finish:** Clear zinc plating

## BENEFITS

The 65 Series hot forged swivel sections are the strongest in the market and will handle more abusive applications than the equivalent cold forged swivel sections. Each swivel top plate and yoke base is machined to a mirror smooth finish for a close tolerance fit for added strength. In addition, the integrally forged, heavy section kingpin provides extra durability and a precision fit and eliminates "kingpin stretch" which is common in riveted or nut and bolt design sections.

## APPLICATIONS

Ideal for heavy manually moved loads or for medium duty power drawn equipment, bakery dough troughs, tow line conveyors, heavy duty bakery racks, production dollies, automotive body dollies, gantry cranes, lift truck battery handling equipment, conveyor systems, and automated guided vehicles.



65-10309-66-1 shown

## OPTIONS

### Brakes

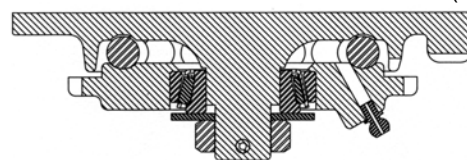
Poly Cam:	P*
Tread Lock:	T
Wrap Around:	W*
Face Contact:	F
Single Side:	SS
Dual Side:	DS

### Swivel Locks

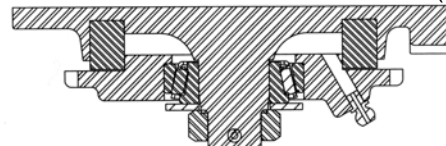
Factory Installed:	L
Demountable:	DL
Sealed Swivel:	SSW
Sealed Wheel:	SW
Heat Treated Raceways	HT
Toe Guard:	TG
Precision tapered thrust (68 Series)	
Precision tapered load and thrust (69 Series)	

\* For wheels with diameters  $\geq$  6 inches

68 Series Cross Sectional View (optional)



69 Series Cross Sectional View (optional)





**CASTER CONCEPTS**

# 65 SERIES HEAVY DUTY CASTERS

## 2000 maximum capacity LBS

WHEEL		CAPACITY				PART NUMBER			
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Dia.	Width	Material	Roller Bearing	Tapered	OAH	Swivel Lead	Straight Roller	Precision Tapered	Wt.
4	3.00	Cast Iron	2,000	2,000	5.50	2.00	65-04301-10-1	65-04309-10-1	18.0
4	3.25	Polyurethane	1,200	1,200	5.50	2.00	65-04321-60-1	65-04329-60-1	16.0
5	2.50	Cast Iron	2,000	2,000	6.50	2.25	65-05251-10-1	65-05259-10-1	20.0
5	2.50	Polyurethane	1,325	1,325	6.50	2.25	65-05251-60-1	65-05259-60-1	20.0
5	3.00	Polyurethane	1,550	1,550	6.50	2.25	65-05301-60-1	65-05309-60-1	22.0
6	2.50	Cast Iron	2,000	2,000	7.50	2.50	65-06251-10-1	65-06259-10-1	22.5
6	2.50	Forged Steel	2,000	2,000	7.50	2.50	65-06251-20-1	65-06259-20-1	22.0
6	2.50	Phenolic Resin	1,600	1,600	7.50	2.50	65-06251-30-1	65-06259-30-1	14.5
6	2.50	Polyurethane	1,625	1,625	7.50	2.50	65-06251-60-1	65-06259-60-1	26.0
6	2.50	Mold on Rubber	550	550	7.50	2.50	65-06251-70-1	65-06259-70-1	24.0
6	3.00	Cast Iron	2,000	2,000	7.50	2.50	65-06301-10-1	65-06309-10-1	23.0
6	3.00	Phenolic Resin	2,000	2,000	7.50	2.50	65-06301-30-1	65-06309-30-1	17.0
6	3.00	Polyurethane	2,000	2,000	7.50	2.50	65-06301-60-1	65-06309-60-1	15.0
6	3.00	H.D. Polyurethane	2,000	2,000	7.50	2.50	65-06301-65-1	65-06309-65-1	14.5
6	3.00	T/R Compound Poly		1,640	7.50	2.50		65-06302-61-1*	14.5
6	3.00	Mold on Rubber	675	675	7.50	2.50	65-06301-70-1	65-06309-70-1	23.0
8	2.50	Phenolic Resin	2,000	2,000	10.12	2.25	65-08251-30-1	65-08259-30-1	17.0
8	2.50	Polyurethane	2,000	2,000	10.12	2.25	65-08251-60-1	65-08259-60-1	23.0
8	2.50	T/R Compound Poly	1,640	1,640	10.12	2.25	65-08251-66-1	65-08259-66-1	25.0
8	2.50	Mold on Rubber	670	670	10.12	2.25	65-08251-70-1	65-08259-70-1	19.0
8	3.00	Cast Iron	2,000	2,000	10.12	2.25	65-08301-10-1	65-08309-10-1	39.0
8	3.00	Forged Steel	2,000	2,000	10.12	2.25	65-08301-20-1	65-08309-20-1	29.0
8	3.00	Phenolic Resin	2,000	2,000	10.12	2.25	65-08301-30-1	65-08309-30-1	19.0
8	3.00	Laminated Phenolic	2,000	2,000	10.12	2.25	65-08301-35-1	65-08309-35-1	19.0
8	3.00	Polyurethane	2,000	2,000	10.12	2.25	65-08301-60-1	65-08309-60-1	27.0
8	3.00	T/R Compound Poly		2,000	10.12	2.25		65-08302-61-1*	27.0
8	3.00	H.D. Polyurethane	2,000	2,000	10.12	2.25	65-08301-65-1	65-08309-65-1	25.0
8	3.00	T/R Compound Poly	2,000	2,000	10.12	2.25	65-08301-66-1	65-08309-66-1	25.0
8	3.00	Mold on Rubber	840	840	10.12	2.25	65-08301-70-1	65-08309-70-1	24.0
10	2.50	Mold on Rubber	790	790	11.50	2.50	65-10251-70-1	65-10259-70-1	26.0
10	3.00	Cast Iron	2,000	2,000	11.50	2.50	65-10301-10-1	65-10309-10-1	30.0
10	3.00	Phenolic Resin	2,000	2,000	11.50	2.50	65-10301-30-1	65-10309-30-1	21.0
10	3.00	Polyurethane	2,000	2,000	11.50	2.50	65-10301-60-1	65-10309-60-1	32.0
10	3.00	T/R Compound Poly		2,000	11.50	2.50		65-10302-61-1*	32.0
10	3.00	H.D. Polyurethane	2,000	2,000	11.50	2.50	65-10301-65-1	65-10309-65-1	37.0
10	3.00	T/R Compound Poly	2,000	2,000	11.50	2.50	65-10301-66-1	65-10309-66-1	37.0
10	3.00	Mold on Rubber	1,000	1,000	11.50	2.50	65-10301-70-1	65-10309-70-1	27.0
12	2.50	Polyurethane	2,000	2,000	13.50	3.00	65-12251-60-1	65-12259-60-1	32.0
12	3.00	Phenolic Resin	2,000	2,000	13.50	3.00	65-12301-30-1	65-12309-30-1	30.0
12	3.00	Polyurethane	2,000	2,000	13.50	3.00	65-12301-60-1	65-12309-60-1	41.0
12	3.00	Mold on Rubber	1,125	1,125	13.50	3.00	65-12301-70-1	65-12309-70-1	32.0

Capacity listed is for manual operation. For powered operations, consult factory.  
 Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. 65-10309-70-2)  
 Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

\* These casters have precision ball bearings.  
 All dimensions are in inches. All weights are in pounds.

Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Std: 4.5 x 6.25	2.438 x 4.938 Slotted to 3.375 x 5.25	0.5

65 Series Cross Sectional View





**CASTER CONCEPTS**

# 70 SERIES HEAVY DUTY CASTERS 3500 maximum capacity LBS

## FEATURES

**Swivel Section:** Made from hot forged C-1045 steel with 4" diameter load raceway and 1/2" diameter ball bearings.

**Kingbolt:** 1" diameter, Grade 5 kingbolt is heat treated and features a slotted adjusting nut.

**Legs:** 3/8" x 3" steel, continuously welded inside and outside to the yoke base

**Axle:** 3/4" diameter axle

**Lubrication:** Pre-lubricated before shipping

**Wheels:** 2-1/2" to 3" wide wheels. Roller bearings rotate on hardened and ground 1" steel spanner bushing.

**Standard:** Notched yoke base for field installation of swivel locks.

**Finish:** Clear zinc plating



70-08301-20-1 shown

## BENEFITS

The 70 Series is one of the most popular industrial caster designs. The hot forged swivel sections and industrial width wheels are well suited for many in-plant applications. The added strength of the kingbolt provides extended caster service life.

## OPTIONS

### Brakes

Poly Cam:	P*
Tread Lock:	T
Wrap Around:	W*
Face Contact:	F
Single Side:	SS
Dual Side:	DS

### Swivel Locks

Factory Installed:	L
Demountable:	DL

Sealed Swivel: SSW

Sealed Wheels: SW

Toe Guard: TG

Heat Treated Raceways: HT

\* For wheels with diameters  $\geq 6$  inches

## APPLICATIONS

Suitable for medium heavy duty power drawn equipment, as well as heavier duty manually handled equipment, including gantry cranes, work platforms, dragline trucks, warehouse trucks, modular home manufacturing, production racks and fixtures, high capacity die tables, machinery dollies, corrugated steel box trucks, heavy portable storage racks, green tire racks, scrap hoppers and other equipment.



Increased customer demand for information on inspection and testing has resulted in significant expansion of our Engineering and Test facilities. Caster Concepts is committed to providing our customers with the highest quality products and services.



**CASTER CONCEPTS**

# 70 SERIES HEAVY DUTY CASTERS 3500 maximum capacity LBS

70 SERIES HEAVY DUTY CASTERS 3500 lbs maximum capacity

WHEEL		CAPACITY				PART NUMBER			
Dia.	Width	Material	Roller Bearing	Tapered	OAH	Swivel Lead	Straight Roller	Precision Tapered	Wt.
4	3.00	Cast Iron	2,000		6.0	2.00	70-04301-10-1		20.0
4	3.25	Polyurethane	1,200		6.0	2.00	70-04321-60-1		17.0
4	4.00	Cast Iron	3,500		6.0	2.00	70-04401-10-1		27.0
4	4.25	Polyurethane	1,600		6.0	2.00	70-04401-60-1		25.0
4	4.25	70D H.L. Polyurethane	2,000	2,000	6.0	2.00	70-04401-63-1	70-04409-63-1	25.0
5	2.50	Cast Iron	2,000	2,000	7.0	2.50	70-05251-10-1	70-05259-10-1	24.0
5	3.00	Polyurethane	1,550	1,550	7.0	2.50	70-05301-60-1	70-05309-60-1	23.0
6	2.50	Cast Iron	2,500	2,500	8.0	2.50	70-06251-10-1	70-06259-10-1	27.0
6	2.50	Forged Steel	3,500	3,500	8.0	2.50	70-06251-20-1	70-06259-20-1	25.0
6	3.00	Cast Iron	2,500	2,500	8.0	2.50	70-06301-10-1	70-06309-10-1	25.0
6	3.00	Phenolic Resin	2,000	2,000	8.0	2.50	70-06301-30-1	70-06309-30-1	19.0
6	3.00	Polyurethane	2,050	2,050	8.0	2.50	70-06301-60-1	70-06309-60-1	21.0
6	3.00	T/R Compound Poly		1,640	8.0	2.50		70-06302-61-1*	21.0
6	3.00	H.D. Polyurethane	2,450	2,450	8.0	2.50	70-06301-65-1	70-06309-65-1	23.0
6	3.00	T/R Compound Poly	1,640	1,640	8.0	2.50	70-06301-66-1	70-06309-66-1	23.0
6	3.00	Mold on Rubber	675	675	8.0	2.50	70-06301-70-1	70-06309-70-1	24.0
6	4.00	Polyurethane	3,000	3,000	8.0	2.50	70-06401-65-1	70-06409-65-1	34.0
8	3.00	Cast Iron	3,500	3,500	10.5	2.50	70-08301-10-1	70-08309-10-1	34.0
8	3.00	Forged Steel	3,500	3,500	10.5	2.50	70-08301-20-1	70-08309-20-1	34.0
8	3.00	Phenolic Resin	2,500	2,500	10.5	2.50	70-08301-30-1	70-08309-30-1	22.0
8	3.00	Polyurethane	2,500	2,500	10.5	2.50	70-08301-60-1	70-08309-60-1	30.0
8	3.00	T/R Compound Poly		2,000	10.5	2.50		70-08302-61-1*	30.0
8	3.00	H.D. Polyurethane	3,100	3,100	10.5	2.50	70-08301-65-1	70-08309-65-1	34.0
8	3.00	T/R Compound Poly	2,500	2,500	10.5	2.50	70-08301-66-1	70-08309-66-1	34.0
8	3.00	Mold on Rubber	850	850	10.5	2.50	70-08301-70-1	70-08309-70-1	27.0
10	3.00	Cast Iron	3,500	3,500	12.5	2.50	70-10301-10-1	70-10309-10-1	40.0
10	3.00	Forged Steel	3,500	3,500	12.5	2.50	70-10301-20-1	70-10309-20-1	43.0
10	3.00	Phenolic Resin	2,900	2,900	12.5	2.50	70-10301-30-1	70-10309-30-1	25.0
10	3.00	Polyurethane	3,000	3,000	12.5	2.50	70-10301-60-1	70-10309-60-1	35.0
10	3.00	T/R Compound Poly		2,400	12.5	2.50		70-10302-61-1*	35.0
10	3.00	H.D. Polyurethane	3,500	3,500	12.5	2.50	70-10301-65-1	70-10309-65-1	40.0
10	3.00	T/R Compound Poly	2,750	2,750	12.5	2.50	70-10301-66-1	70-10309-66-1	40.0
10	3.00	Mold on Rubber	1,000	1,000	12.5	2.50	70-10301-70-1	70-10309-70-1	30.0
10	4.00	Polyurethane	3,500	3,500	12.5	2.50	70-10401-60-1	70-10409-60-1	45.0
10	4.00	Mold on Rubber	1,400	1,400	12.5	2.50	70-10401-70-1	70-10409-70-1	44.0
12	3.00	Ductile Iron	3,500	3,500	15.5	2.50	70-12301-12-1	70-12309-12-1	55.0
12	3.00	Phenolic Resin	3,500	3,500	15.5	2.50	70-12301-30-1	70-12309-30-1	30.0
12	3.00	Polyurethane	3,500	3,500	15.5	2.50	70-12301-60-1	70-12309-60-1	45.0
12	3.00	Mold on Rubber	1,125	1,125	15.5	2.50	70-12301-70-1	70-12309-70-1	42.0
12	4.00	Mold on Rubber	1,600	1,600	15.5	2.50	70-12401-70-1	70-12409-70-1	56.0

\*These casters have precision ball bearings.

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

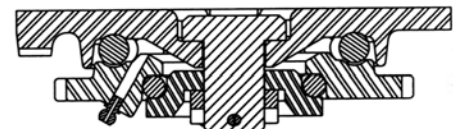
Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. 65-10309-70-2)

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.

Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Std: 5.25 x 7.25 x .38	3.375 x 5.25 Slotted to 4.125 x 6.125	0.5

70 Series Cross Sectional View







CASTER CONCEPTS

# 71 SERIES KINGPINLESS STYLE CASTERS 4500 maximum capacity LBS

## FEATURES

**Swivel Section:** High alloy steel swivel section features a precision machined and through hardened 3-1/4" diameter raceway.

**Kingpin:** Kingpinless style design

**Legs:** 3/8" x 3" legs are formed and continuously welded inside and outside to the yoke base

**Axle:** 3/4" bolt and locking nut

**Lubrication:** Pre-lubricated before shipping

**Wheels:** 4" to 12" wheels are available with either 1" roller bearings with a hardened and ground steel spanner bushing, 3/4" tapered bearing, or precision ball bearings.

**Finish:** Clear zinc plating



71-10301-15-1 shown

## BENEFITS

The 71 Series is our heaviest offering in the fabricated single ball race caster. These swivel bearings act as both load and thrust components and lock the swivel section together to distribute the load over a larger area. Because of the unique fabrication of the swivel section, various top plate options can be utilized.

## APPLICATIONS

The 71 Series casters are well suited for medium duty towing applications where shock loads are present. In addition, they may be used for dough troughs, high capacity die tables, machinery dollies, corrugated steel box trucks, heavy portable storage racks, mobile military equipment, aircraft maintenance stands, and aircraft crew stairs.

## OPTIONS

### Brakes

Poly Cam:	P*
Tread Lock:	T
Wrap Around:	W*
Face Contact:	F
Single Side:	SS
Dual Side:	DS

### Swivel Locks

Factory Installed:	L
Demountable:	DL
Passive:	PL

Sealed Swivel:	SSW
Sealed Wheels:	SW
Toe Guard:	TG

\* For wheels with diameters ≥ 6 inches



**CASTER CONCEPTS**

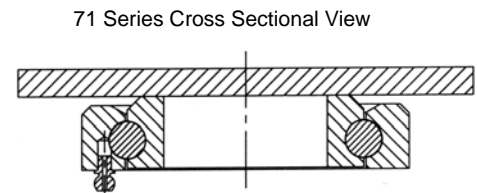
# 71 SERIES KINGPINLESS STYLE CASTERS 4500 maximum capacity LBS

71 SERIES KINGPINLESS STYLE CASTERS 4500 lbs maximum capacity

WHEEL		CAPACITY		PART NUMBER						
Dia.	Width	Material	Roller Bearing	Tapered	OAH	Swivel Lead	Straight Roller	Precision Tapered	Wt.	
4	3.00	Cast Iron	2,000		6.00	2.00	71-04301-10-1		20.0	
4	3.25	Polyurethane	1,200	1,200	6.00	2.00	71-04321-60-1		17.0	
5	2.50	Cast Iron	2,000	2,000	7.00	2.25	71-05251-10-1	71-05259-10-1	24.0	
5	3.00	Polyurethane	1,550	1,550	7.00	2.25	71-05301-60-1	71-05309-60-1	23.0	
6	2.50	Cast Iron	2,500	2,500	8.00	2.25	71-06251-10-1	71-06259-10-1	27.0	
6	2.50	Forged Steel	4,000	4,000	8.00	2.25	71-06251-20-1	71-06259-20-1	25.0	
6	3.00	Cast Iron	2,500	2,500	8.00	2.25	71-06301-10-1	71-06309-10-1	25.0	
6	3.00	Phenolic Resin	2,000	2,000	8.00	2.25	71-06301-30-1	71-06309-30-1	19.0	
6	3.00	Polyurethane	2,050	2,050	8.00	2.25	71-06301-60-1	71-06309-60-1	21.0	
6	3.00	T/R Compound		1,640	8.00	2.25		71-06302-61-1*	21.0	
6	3.00	H.D. Polyurethane	2,450	2,450	8.00	2.25	71-06301-65-1	71-06309-65-1	23.0	
6	3.00	T/R Compound	1,640	1,640	8.00	2.25	71-06301-66-1	71-06309-66-1	23.0	
6	3.00	Mold on Rubber	675	675	8.00	2.25	71-06301-70-1	71-06309-70-1	24.0	
8	3.00	Cast Iron	3,500	3,500	10.50	2.50	71-08301-10-1	71-08309-10-1	34.0	
8	3.00	Forged Steel	4,500	4,500	10.50	2.50	71-08301-20-1	71-08309-20-1	34.0	
8	3.00	Phenolic Resin	2,500	2,500	10.50	2.50	71-08301-30-1	71-08309-30-1	22.0	
8	3.00	Polyurethane	2,500	2,500	10.50	2.50	71-08301-60-1	71-08309-60-1	30.0	
8	3.00	T/R Compound		2,000	10.50	2.50		71-08302-61-1*	30.0	
8	3.00	H.D. Polyurethane	3,100	3,100	10.50	2.50	71-08301-65-1	71-08309-65-1	34.0	
8	3.00	T/R Compound	2,500	2,500	10.50	2.50	71-08301-66-1	71-08309-66-1	34.0	
8	3.00	Mold On Rubber	840	840	10.50	2.50	71-08301-70-1	71-08309-70-1	27.0	
10	3.00	Cast Iron	3,500	3,500	12.50	3.00	71-10301-10-1	71-10309-10-1	40.0	
10	3.00	Forged Steel	4,500	4,500	12.50	3.00	71-10301-20-1	71-10309-20-1	43.0	
10	3.00	Phenolic Resin	2,900	2,900	12.50	3.00	71-10301-30-1	71-10309-30-1	25.0	
10	3.00	Polyurethane	3,000	3,000	12.50	3.00	71-10301-60-1	71-10309-60-1	35.0	
10	3.00	T/R Compound		2,400	12.50	3.00		71-10302-61-1*	35.0	
10	3.00	H.D. Polyurethane	3,500	3,500	12.50	3.00	71-10301-65-1	71-10309-65-1	40.0	
10	3.00	T/R Compound	2,750	2,750	12.50	3.00	71-10301-66-1	71-10309-66-1	40.0	
12	3.00	Phenolic Resin	3,500	3,500	15.50	3.00	71-12301-30-1	71-12309-30-1	30.0	
12	3.00	Polyurethane	3,500	3,500	15.50	3.00	71-12301-60-1	71-12309-60-1	25.0	
12	3.00	Mold on Rubber	1,125	1,125	15.50	3.00	71-12301-70-1	71-12309-70-1	25.0	

Capacity listed is for manual operation. For powered operations, consult factory.  
 Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. 71-06301-60-2)  
 Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.  
 \*These casters have a precision ball bearing  
 All dimensions are in inches. All weights are in pounds.

Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Std: 5.0 x 7.25 x .38	3.375 x 5.25 Slotted to 4.125 x 6.125	0.5
OT 60: 4.5 x 6.25	2.438 x 4.938 Slotted to 3.375 x 5.25	0.5
OT 75: 6.0 x 7.0 x .38	4.625 x 5.5	0.5
OT 80: 6.0 x 7.5 x .5	4.5 x 6	0.5





**CASTER CONCEPTS**

# 80 SERIES EXTRA HEAVY DUTY CASTERS 5000 maximum capacity LBS

## FEATURES

**Swivel Section:** Drop forged from C-1045 steel with 5" diameter, precision machined load raceway. A 1-1/4" tapered thrust bearing completes the precision fit.

**Kingpin:** 1-1/4" integrally forged kingpin with slotted adjusting nut

**Legs:** 3/8" x 4" formed and continuously welded both inside and outside

**Axle:** 1", Grade 5 axle

**Lubrication:** Pre-lubricated before shipping

**Wheels:** 6" to 12" diameter wheels

**Finish:** Gold dichromate plating



80-08309-66-1 shown

## BENEFITS

The 80 Series has a ball load swivel that delivers high capacity at a good value. The raceways are heat treated to eliminate brinelling of the surface when the casters are subjected to shock loads. The exceptional strength of the 80 Series makes it an ideal choice for rugged applications.

These casters are built around automotive industry standards. Please consult factory.

## OPTIONS

### Brakes

Poly Cam:	P*
Heavy Duty Tread:	HDT
Wrap Around:	W*
Face Contact:	F

### Swivel Locks

Factory Installed:	L
Heavy Duty:	HDL
Demountable:	DL

Sealed Swivel: SSW

Sealed Wheels: SW

Toe Guard: TG

\* For wheels with diameters  $\geq 6$  inches

Lord mounts - shear disc suspension available, consult factory.

## APPLICATIONS

Die carts, automotive plants, steel mills, production line delivery trailers, fiberglass lay up molds, stamping racks, aircraft maintenance, aircraft crew stairs, trash gondolas and other aircraft ground support equipment.



Assembly line delivery trailers with 80 Series casters built to automotive specifications.



**CASTER CONCEPTS**

# 80 SERIES EXTRA HEAVY DUTY CASTERS 5000<sup>maximum capacity</sup> LBS

80 SERIES EXTRA HEAVY DUTY CASTERS 5000 lbs maximum capacity

WHEEL		CAPACITY			PART NUMBER				
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Dia.	Width	Material	Roller Bearing	Tapered	OAH	Swivel Lead	Straight Roller	Precision Tapered	Wt.
6	2.50	Forged Steel	4,000	5,000	8.50	2.50	80-06251-20-1	80-06259-20-1	38.0
6	3.00	T/R Compound Poly		1,640	8.50	2.50		80-06309-66-1	37.0
6	3.00	H.D. Polyurethane	2,500	2,500	8.50	2.50	80-06301-65-1	80-06309-65-1	40.0
6	3.00	Polyurethane	2,050	2,050	8.50	2.50	80-06301-60-1	80-06309-60-1	37.0
6	3.00	Laminated Phenolic	2,500	2,500	8.50	2.50	80-06301-35-1	80-06309-35-1	30.0
6	3.00	Forged Steel	5,000	5,000	8.50	2.50	80-06301-20-1	80-06309-20-1	45.0
6	3.00	Cast Iron	2,500	2,500	8.50	2.50	80-06301-10-1	80-06309-10-1	36.0
6	4.00	H.D. Polyurethane	3,000	3,000	8.50	2.50	80-06401-65-1	80-06409-65-1	36.0
8	3.00	Mold on Rubber	825	825	10.50	2.50	80-08301-70-1	80-08309-70-1	37.0
8	3.00	T/R Compound Poly	2,500	2,500	10.50	2.50	80-08301-66-1	80-08309-66-1	45.0
8	3.00	Polyurethane	2,500	2,500	10.50	2.50	80-08301-60-1	80-08309-60-1	40.0
8	3.00	H.D. Polyurethane	3,100	3,100	10.50	2.50	80-08301-65-1	80-08309-65-1	45.0
8	3.00	Laminated Phenolic	3,000	3,000	10.50	2.50	80-08301-35-1	80-08309-35-1	32.0
8	3.00	Forged Steel	5,000	5,000	10.50	2.50	80-08301-20-1	80-08309-20-1	44.0
8	3.00	Cast Iron	4,500	4,500	10.50	2.50	80-08301-11-1	80-08309-11-1	40.0
8	4.00	Polyurethane	3,800	3,800	10.50	2.50	80-08401-60-1	80-08409-60-1	48.0
8	4.00	Forged Steel	5,000	5,000	10.50	2.50	80-08401-20-1	80-08409-20-1	48.0
10	3.00	Mold on Rubber	1,000	1,000	12.50	2.50	80-10301-70-1	80-10309-70-1	50.0
10	3.00	T/R Compound Poly	2,800	2,800	12.50	2.50	80-10301-66-1	80-10309-66-1	55.0
10	3.00	Polyurethane	3,000	3,000	12.50	2.50	80-10301-60-1	80-10309-60-1	49.0
10	3.00	H.D. Polyurethane	3,700	3,700	12.50	2.50	80-10301-65-1	80-10309-65-1	55.0
10	3.00	Laminated Phenolic	3,250	3,250	12.50	2.50	80-10301-35-1	80-10309-35-1	36.0
10	3.00	Forged Steel	5,000	5,000	12.50	2.50	80-10301-21-1	80-10309-21-1	54.0
10	3.00	Cast Iron	4,000	4,000	12.50	2.50	80-10301-11-1	80-10309-11-1	50.0
10	4.00	Mold on Rubber	1,500	1,500	12.50	2.50	80-10401-70-1	80-10409-70-1	51.0
10	4.00	Polyurethane	4,200	4,200	12.50	2.50	80-10401-60-1	80-10409-60-1	55.0
10	4.00	H.D. T/R Compound Poly		4,000	12.50	2.50		80-10409-66-1	60.0
10	4.00	H.D. Polyurethane	5,000	5,000	12.50	2.50	80-10401-65-1	80-10409-65-1	60.0
10	4.00	Forged Steel	5,000	5,000	12.50	2.50	80-10401-20-1	80-10409-20-1	74.0
12	3.00	Mold on Rubber	1,125	1,125	15.50	2.50	80-12301-70-1	80-12309-70-1	55.0
12	3.00	T/R Compound Poly	2,900	2,900	15.50	2.50	80-12301-66-1	80-12309-66-1	57.0
12	3.00	H.D. Polyurethane	3,850	3,850	15.50	2.50	80-12301-65-1	80-12309-65-1	53.0
12	3.00	Polyurethane	3,500	3,500	15.50	2.50	80-12301-60-1	80-12309-60-1	53.0
12	4.00	Mold on Rubber	1,600	1,600	15.50	2.50	80-12401-70-1	80-12409-70-1	58.0
12	4.00	T/R Compound Poly	3,800	3,800	15.50	2.50	80-12401-66-1	80-12409-66-1	70.0
12	4.00	H.D. Polyurethane	5,000	5,000	15.50	2.50	80-12401-65-1	80-12409-65-1	70.0
12	4.00	70D H.L. Polyurethane	5,000	5,000	15.50	2.50	80-12401-67-1	80-12409-67-1	53.0

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

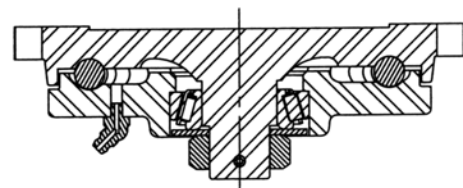
Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. 80-12409-70-2)

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.

Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Std: 6.0 x 7.5	4.5 x 6.0	0.5
OT-CJ: 6.0 x 7.5	4.625 x 5.5	0.5

80 Series Cross Sectional View





**CASTER CONCEPTS**

# 81

# SERIES EXTRA HEAVY DUTY CASTERS 10,000 maximum capacity LBS

## 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.

**Kingpin:** Kingpinless style design

**Legs:** 3/8" x 4" formed and continuously welded both inside and outside

**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.

**Standard:** Shielded swivel

**Finish:** Gold dichromatic plating



81-10409-65-1 shown

## 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 Cam:	P*
Heavy Duty Tread:	HDT
Wrap Around:	W*
Face Contact:	F

### Swivel Locks

Factory Installed:	L
Heavy Duty	HDL
Demountable:	DL

Sealed Swivel: SSW

Sealed Wheels: SW

Toe Guard: TG

\* For wheels with diameters  $\geq$  6 inches

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.



A 1200 x 1000 x 800mm Sheffield Coordinate Measuring Machine is used to inspect parts and assemblies for precision fit.



**CASTER CONCEPTS**

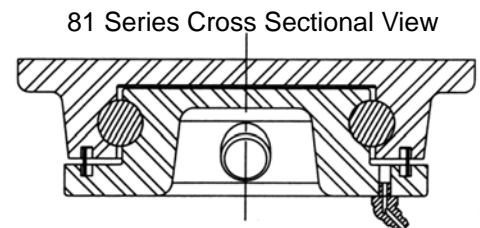
# 81 SERIES EXTRA HEAVY DUTY CASTERS 10,000 maximum capacity LBS

81 SERIES EXTRA HEAVY DUTY CASTERS 10,000 lbs maximum capacity

WHEEL		CAPACITY		PART NUMBER					
Dia.	Width	Material	Roller Bearing	Tapered	OAH	Swivel Lead	Straight Roller	Precision Tapered	Wt.
6	2.50	Forged Steel	4,000	5,000	8.50	2.50	81-06251-20-1	81-06259-20-1	38.0
6	3.00	T/R Compound Poly		1,640	8.50	2.50		81-06309-66-1	37.0
6	3.00	Polyurethane	2,050	2,050	8.50	2.50	81-06301-60-1	81-06309-60-1	37.0
6	3.00	H. D. Polyurethane	2,500	2,500	8.50	2.50	81-06301-65-1	81-06309-65-1	40.0
6	3.00	Laminated Phenolic	2,500	2,500	8.50	2.50	81-06301-35-1	81-06309-35-1	30.0
6	3.00	Forged Steel	6,000	10,000	8.50	2.50	81-06301-20-1	81-06309-20-1	45.0
6	3.00	Cast Iron	2,500	2,500	8.50	2.50	81-06301-10-1	81-06309-10-1	36.0
6	4.00	H.D. Polyurethane	3,000	3,000	8.50	2.50	81-06401-65-1	81-06409-65-1	40.0
8	3.00	Mold on Rubber	825	825	10.50	2.50	81-08301-70-1	81-08309-70-1	37.0
8	3.00	T/R Compound Poly	2,500	2,500	10.50	2.50	81-08301-66-1	81-08309-66-1	45.0
8	3.00	Polyurethane	2,500	2,500	10.50	2.50	81-08301-60-1	81-08309-60-1	40.0
8	3.00	H.D. Polyurethane	3,100	3,100	10.50	2.50	81-08301-65-1	81-08309-65-1	45.0
8	3.00	Laminated Phenolic	3,000	3,000	10.50	2.50	81-08301-35-1	81-08309-35-1	32.0
8	3.00	Forged Steel	4,500	5,000	10.50	2.50	81-08301-20-1	81-08309-20-1	44.0
8	3.00	Cast Iron	3,500	3,500	10.50	2.50	81-08301-11-1	81-08309-11-1	40.0
8	4.00	H.D. Polyurethane	3,800	3,800	10.50	2.50	81-08401-60-1	81-08409-60-1	48.0
8	4.00	Forged Steel	8,400	10,000	10.50	2.50	81-08401-20-1	81-08409-20-1	48.0
10	3.00	Mold on Rubber	1,000	1,000	12.50	2.50	81-10301-70-1	81-10309-70-1	50.0
10	3.00	T/R Compound Poly	2,800	2,800	12.50	2.50	81-10301-66-1	81-10309-66-1	55.0
10	3.00	Polyurethane	3,000	3,000	12.50	2.50	81-10301-60-1	81-10309-60-1	49.0
10	3.00	H.D. Polyurethane	3,700	3,700	12.50	2.50	81-10301-65-1	81-10309-65-1	55.0
10	3.00	Laminated Phenolic	3,250	3,250	12.50	2.50	81-10301-35-1	81-10309-35-1	36.0
10	3.00	Forged Steel	5,000	6,500	12.50	2.50	81-10301-21-1	81-10309-21-1	54.0
10	3.00	Cast Iron	4,000	4,000	12.50	2.50	81-10301-11-1	81-10309-11-1	50.0
10	4.00	Mold on Rubber	1,500	1,500	12.50	2.50	81-10401-70-1	81-10409-70-1	51.0
10	4.00	Polyurethane	4,200	4,200	12.50	2.50	81-10401-60-1	81-10409-60-1	55.0
10	4.00	H.D. T/R Compound Poly		4,000	12.50	2.50		81-10409-66-1	60.0
10	4.00	H.D. Polyurethane	5,000	5,000	12.50	2.50	81-10401-65-1	81-10409-65-1	60.0
10	4.00	Forged Steel	8,400	10,000	12.50	2.50	81-10401-20-1	81-10409-20-1	74.0
12	3.00	Mold on Rubber	1,125	1,125	15.50	2.50	81-12301-70-1	81-12309-70-1	55.0
12	3.00	Ductile Iron	6,500	6,500	15.50	2.50	81-12301-12-1	81-12309-12-1	70.0
12	3.00	T/R Compound Poly	2,900	2,900	15.50	2.50	81-12301-66-1	81-12309-66-1	57.0
12	3.00	H.D. Polyurethane	3,850	3,850	15.50	2.50	81-12301-65-1	81-12309-65-1	53.0
12	3.00	Polyurethane	3,500	3,500	15.50	2.50	81-12301-60-1	81-12309-60-1	53.0
12	4.00	Mold on Rubber	1,600	1,600	15.50	2.50	81-12401-70-1	81-12409-70-1	58.0
12	4.00	Ductile Iron	7,500	7,500	15.50	2.50	81-12401-12-1	81-12409-12-1	70.0
12	4.00	T/R Compound Poly	3,800	3,800	15.50	2.50	81-12401-66-1	81-12409-66-1	70.0
12	4.00	H.D. Polyurethane	5,500	5,500	15.50	2.50	81-12401-65-1	81-12409-65-1	70.0
12	4.00	70D H.L. Polyurethane	6,600	6,600	15.50	2.50	81-12401-67-1	81-12409-67-1	70.0

Capacity listed is for manual operation. For powered operations, consult factory.  
 Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. 81-12409-70-2)  
 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.

<b>Top Plate Size</b>	<b>Bolt Hole Spacing</b>	<b>Bolt Diameter</b>
Std: 6.25 x 7.63	4.5 x 6.0	0.5





**CASTER CONCEPTS**

# 85 SERIES EXTRA HEAVY DUTY CASTERS 10,000 maximum capacity LBS

## FEATURES

**Swivel Section:** Constructed from hot forged C-1045 steel, the swivel section features a large precision machined raceway, with a precision tapered load and tapered thrust bearing.

**Kingpin:** 1-1/4" integrally forged kingpin with slotted adjusting nut

**Legs:** 3/8" x 4" legs are formed and continuously welded both inside and outside

**Axle:** 1", Grade 5

**Lubrication:** Pre-lubricated before shipping

**Wheels:** 6" to 12" diameter wheels with widths from 2-1/2" to 4".

**Finish:** Gold dichromate plating



85-10409-20-1 shown

## BENEFITS

The tapered load bearing and thrust bearing enhance the precision nature of this caster creating a swivel section with the highest load carrying capacity for its class. The 85 Series delivers an exceptionally tight tolerance fit. Additionally, the integrally forged kingpin and slotted adjusting nut add strength and longevity to the life of the swivel section.

## OPTIONS

### Brakes

Poly Cam:	P*
Heavy Duty Tread:	HDT
Wrap Around:	W*
Face Contact:	F

### Swivel Locks

Factory Installed:	L
Heavy Duty:	HDL

Sealed Swivel: SSW

Sealed Wheels: SW

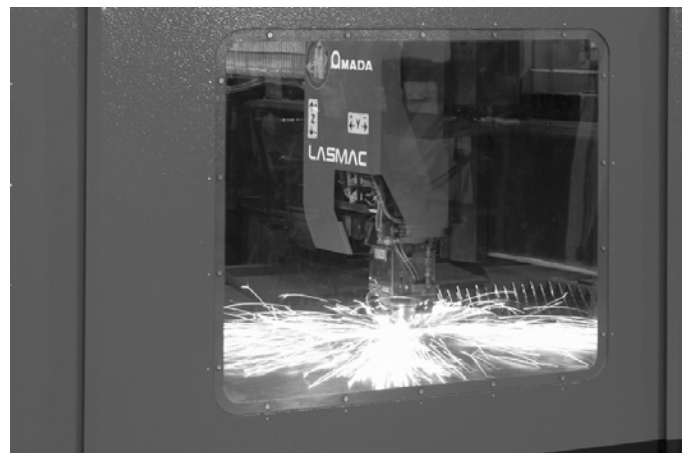
Toe Guard: TG

\* For wheels with diameters  $\geq$  6 inches

Contact the factory for overall heights and special finishes.

## APPLICATIONS

This design is used in applications where high load capacities are required and the area for the caster does not lend itself to the bulkiness of larger casters. It is also ideal where constant use under load requires a high performance caster. Applications may include high capacity die tables, die carts, towed trailers, aerospace industry, steel mills, gantries, automated guided vehicles and aircraft maintenance applications.



Latest technology lasers are used to cut up to 1" thick plate for various heavy-duty caster parts. Laser cutting allows the integration of shapes that may have previously been a welded fabrication. These manufacturing and design changes produce stronger assemblies with fewer parts.








**CASTER CONCEPTS**

# 85 SERIES EXTRA HEAVY DUTY CASTERS 10,000 maximum capacity LBS

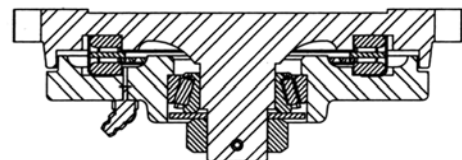
85 SERIES EXTRA HEAVY DUTY CASTERS 10,000 lbs maximum capacity

WHEEL		CAPACITY			PART NUMBER				
Dia.	Width	Material	Roller Bearing	Tapered	OAH	Swivel Lead	Straight Roller	Precision Tapered	Wt.
6	2.50	Forged Steel	4,000	5,000	8.50	2.50	85-06251-20-1	85-06259-20-1	38.0
6	3.00	T/R Compound Poly		1,640	8.50	2.50		85-06309-66-1	37.0
6	3.00	H.D. Polyurethane	2,500	2,500	8.50	2.50	85-06301-65-1	85-06309-65-1	40.0
6	3.00	Polyurethane	2,050	2,050	8.50	2.50	85-06301-60-1	85-06309-60-1	37.0
6	3.00	Laminated Phenolic	2,500	2,500	8.50	2.50	85-06301-35-1	85-06309-35-1	30.0
6	3.00	Forged Steel	6,000	10,000	8.50	2.50	85-06301-20-1	85-06309-20-1	45.0
6	3.00	Cast Iron	2,500	2,500	8.50	2.50	85-06301-10-1	85-06309-10-1	36.0
6	4.00	H.D. Polyurethane	3,000	3,000	8.50	2.50	85-06401-65-1	85-06409-65-1	36.0
8	3.00	Mold on Rubber	825	825	10.50	2.50	85-08301-70-1	85-08309-70-1	37.0
8	3.00	T/R Compound Poly	2,500	2,500	10.50	2.50	85-08301-66-1	85-08309-66-1	45.0
8	3.00	Polyurethane	3,000	3,000	10.50	2.50	85-08301-60-1	85-08309-60-1	40.0
8	3.00	H.D. Polyurethane	3,100	3,100	10.50	2.50	85-08301-65-1	85-08309-65-1	45.0
8	3.00	Laminated Phenolic	3,000	3,000	10.50	2.50	85-08301-35-1	85-08309-35-1	32.0
8	3.00	Forged Steel	4,500	5,500	10.50	2.50	85-08301-20-1	85-08309-20-1	44.0
8	3.00	Cast Iron	3,500	3,500	10.50	2.50	85-08301-10-1	85-08309-10-1	40.0
8	4.00	Polyurethane	3,800	3,800	10.50	2.50	85-08401-60-1	85-08409-60-1	48.0
8	4.00	Forged Steel	8,400	10,000	10.50	2.50	85-08401-20-1	85-08409-20-1	48.0
10	3.00	Mold on Rubber	1,000	1,000	12.50	2.50	85-10301-70-1	85-10309-70-1	50.0
10	3.00	T/R Compound Poly	2,800	2,800	12.50	2.50	85-10301-66-1	85-10309-66-1	55.0
10	3.00	Polyurethane	3,000	3,000	12.50	2.50	85-10301-60-1	85-10309-60-1	49.0
10	3.00	H.D. Polyurethane	3,700	3,700	12.50	2.50	85-10301-65-1	85-10309-65-1	55.0
10	3.00	Laminated Phenolic	3,250	3,250	12.50	2.50	85-10301-35-1	85-10309-35-1	36.0
10	3.00	Forged Steel	5,000	6,500	12.50	2.50	85-10301-21-1	85-10309-21-1	54.0
10	3.00	Cast Iron	4,000	4,000	12.50	2.50	85-10301-11-1	85-10309-11-1	50.0
10	4.00	Mold on Rubber	1,500	1,500	12.50	2.50	85-10401-70-1	85-10409-70-1	51.0
10	4.00	Polyurethane	4,200	4,200	12.50	2.50	85-10401-60-1	85-10409-60-1	55.0
10	4.00	H.D. Polyurethane	5,000	5,000	12.50	2.50	85-10401-65-1	85-10409-65-1	60.0
10	4.00	Forged Steel	8,400	10,000	12.50	2.50	85-10401-20-1	85-10409-20-1	74.0
12	3.00	Mold on Rubber	1,125	1,125	15.50	2.50	85-12301-70-1	85-12309-70-1	55.0
12	3.00	T/R Compound Poly	2,900	2,900	15.50	2.50	85-12301-66-1	85-12309-66-1	57.0
12	3.00	H.D. Polyurethane	3,850	3,850	15.50	2.50	85-12301-65-1	85-12309-65-1	53.0
12	3.00	Polyurethane	3,500	3,500	15.50	2.50	85-12301-60-1	85-12309-60-1	55.0
12	4.00	Mold on Rubber	1,600	1,600	15.50	2.50	85-12401-70-1	85-12409-70-1	58.0
12	4.00	T/R Compound Poly	3,800	3,800	15.50	2.50	85-12401-66-1	85-12409-66-1	70.0
12	4.00	H.D. Polyurethane	5,000	5,000	15.50	2.50	85-12401-65-1	85-12409-65-1	70.0
12	4.00	Ductile Iron	7,500	7,500	15.50	2.50	85-12401-12-1	85-12409-12-1	90.0

Capacity listed is for manual operation. For powered operations, consult factory.  
 Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. 85-12409-70-2)  
 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.

 Top Plate Size	 Bolt Hole Spacing	 Bolt Diameter
Std: 6.0 x 7.5	4.5 x 6.0	0.5

85 Series Cross Sectional View







**CASTER CONCEPTS**

# 90 SERIES EXTRA HEAVY DUTY CASTERS 8,000 maximum capacity LBS *FOR SEVERE DUTY*

## FEATURES

**Swivel Section:** Constructed of hot forged C-1045 steel with a 7" diameter machined load raceway featuring 5/8" diameter ball bearings with 1-1/4" tapered thrust bearing.

**Kingpin:** 1-1/4" integrally forged kingpin with slotted adjusting nut

**Legs:** 1/2" x 4" legs formed and continuously welded both inside and outside for greater strength

**Axle:** 1-1/4", Grade 5

**Lubrication:** Pre-lubricated before shipping

**Wheels:** 6" to 18" diameter wheels, 3" to 5" widths

**Finish:** Gold dichromate plating



90-08409-20-1 shown

## BENEFITS

The 90 Series bearing raceways are precision machined and then through hardened to eliminate brinelling of the surface when the caster is subjected to shock loads. A 1-1/4" tapered thrust bearing completes the precision fit of the raceway. This caster provides high load capacity at a good value.

## APPLICATIONS

The 90 Series are used for power drawn equipment, stamping racks, trash gondolas, material delivery trailers, and towed trailers. These casters are also widely used on aircraft ground support equipment, in automotive plants and within steel mills.

## OPTIONS

### Brakes

Poly Cam:	P*
Heavy Duty Tread:	HDT
Wrap Around:	W*
Face Contact:	F

### Swivel Locks

Factory Installed:	L
Heavy Duty:	HDL
Demountable:	DL

Sealed Swivel:

SSW

Sealed Wheel:

SW

Toe Guard:

TG

\* For wheels with diameters ≥ 6 inches



90 Series casters used in warehousing



**CASTER CONCEPTS**

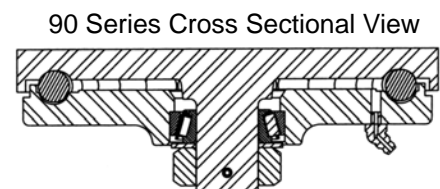
# 90 SERIES EXTRA HEAVY DUTY CASTERS 8,000 maximum capacity LBS **FOR SEVERE DUTY**

90 SERIES EXTRA HEAVY DUTY CASTERS 8,000 lbs maximum capacity

WHEEL		CAPACITY		PART NUMBER					
Dia.	Width	Material	Roller Bearing	Tapered	OAH	Swivel Lead	Straight Roller	Precision Tapered	Wt.
6	3.00	Forged Steel	5,500	8,000	9.00	2.25	90-06301-20-1	90-06309-20-1	60.0
6	3.00	H.D. Forged Steel		8,000	9.00	2.25		90-06309-21-1	60.0
6	3.00	Polyurethane		2,500	9.00	2.25		90-06309-60-1	50.0
6	4.00	H.D. Polyurethane	3,000	3,000	9.00	2.25	90-06401-65-1	90-06409-65-1	50.0
8	3.00	Polyurethane		2,500	11.00	2.25		90-08309-60-1	50.0
8	3.00	H.D. Cast Iron	4,500	4,500	11.00	2.25	90-08301-11-1	90-08309-11-1	65.0
8	4.00	Forged Steel	8,000	8,000	11.00	2.25	90-08401-20-1	90-08409-20-1	73.0
8	4.00	H.D. Forged Steel		8,000	11.00	2.25		90-08409-21-1	73.0
8	4.00	Polyurethane	3,800	3,800	11.00	2.25	90-08401-60-1	90-08409-60-1	63.0
10	3.00	H.D. Forged Steel	6,000	6,500	13.00	2.50	90-10301-21-1	90-10309-21-1	62.0
10	3.00	Cast Iron	4,000	4,000	13.00	2.50	90-10301-11-1	90-10309-11-1	61.0
10	3.00	H.D. Polyurethane		3,700	13.00	2.50		90-10309-65-1	51.0
10	4.00	Forged Steel	8,000	8,000	13.00	2.50	90-10401-20-1	90-10409-20-1	83.0
10	4.00	H.D. Forged Steel		8,000	13.00	2.50		90-10409-21-1	83.0
10	4.00	Polyurethane	4,200	4,200	13.00	2.50	90-10401-60-1	90-10409-60-1	59.0
10	4.00	H.D. Polyurethane	5,000	5,000	13.00	2.50	90-10401-65-1	90-10409-65-1	68.0
10	4.00	Mold on Rubber	1,500	1,500	13.00	2.50	90-10401-70-1	90-10409-70-1	66.0
10	5.00	H.D. Polyurethane	6,000	6,000	13.00	2.50	90-10501-65-1	90-10509-65-1	68.0
10	5.00	70D Hard Polyurethane	7,200	7,200	13.00	2.50	90-10501-67-1	90-10509-67-1	68.0
12	3.00	H.D. Polyurethane	3,850	3,850	15.50	2.50	90-12301-65-1	90-12309-65-1	57.0
12	3.50	Phenolic Resin	4,000	4,000	15.50	2.50	90-12351-30-1	90-12359-30-1	60.0
12	3.50	Mold on Rubber	1,350	1,350	15.50	2.50	90-12351-70-1	90-12359-70-1	63.0
12	4.00	H.D. Polyurethane	5,500	5,500	15.50	2.50	90-12401-65-1	90-12409-65-1	75.0
12	4.00	H.D. Phenolic	8,000	8,000	15.50	2.50	90-12401-31-1	90-12409-31-1	68.0
12	4.00	T/R Compound	3,800	3,800	15.50	2.50	90-12401-66-1	90-12409-66-1	75.0
12	4.00	70D Hard Polyurethane	6,600	6,600	15.50	2.50	90-12401-67-1	90-12409-67-1	75.0
12	4.00	Mold on Rubber	1,600	1,600	15.50	2.50	90-12401-70-1	90-12409-70-1	71.0
12	4.00	Ductile Iron	7,500	7,500	15.50	2.50	90-12401-12-1	90-12409-12-1	90.0
12	5.00	H.D. Polyurethane	6,250	6,250	15.50	2.50	90-12501-65-1	90-12509-65-1	90.0
12	5.00	70D Hard Polyurethane	7,500	7,500	15.50	2.50	90-12501-67-1	90-12509-67-1	90.0
12	5.00	Mold on Rubber	1,850	1,850	15.50	2.50	90-12501-70-1	90-12509-70-1	88.0
12	5.00	Ductile Iron	8,000	8,000	15.50	2.50	90-12501-12-1	90-12509-12-1	120.0
16	4.00	Laminated Phenolic	8,000	8,000	19.00	3.00	90-16401-35-1	90-16409-35-1	80.0
16	4.00	Cast Iron	7,500	7,500	19.00	3.00	90-16401-10-1	90-16409-10-1	105.0
16	4.00	H.D. Polyurethane	6,000	6,000	19.00	3.00	90-16401-65-1	90-16409-65-1	109.0
16	4.00	Mold on Rubber	1,450	1,450	19.00	3.00	90-16401-70-1	90-16409-70-1	106.0
16	5.00	H.D. Polyurethane	8,000	8,000	19.00	3.00	90-16501-65-1	90-16509-65-1	115.0
16	5.00	70D Hard Polyurethane	8,000	8,000	19.00	3.00	90-16501-67-1	90-16509-67-1	115.0
18	5.00	H.D. Polyurethane	8,000	8,000	21.00	4.00	90-18501-65-1	90-18509-65-1	115.0
18	5.00	70D Hard Polyurethane	8,000	8,000	21.00	4.00	90-18501-67-1	90-18509-67-1	115.0

Capacity listed is for manual operation. For powered operations, consult factory.  
 Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. 90-16509-67-2)  
 Estimated weight is for swivel caster. Deduct 15 pounds for rigid casters.  
 All dimensions are in inches. All weights are in pounds.

<b>Top Plate Size</b>	<b>Bolt Hole Spacing</b>	<b>Bolt Diameter</b>
Std: 8.5 x 8.5	7.0 x 7.0	0.625





**CASTER CONCEPTS**

# 91 SERIES EXTRA HEAVY DUTY CASTERS 20,000 <sup>maximum capacity</sup> LBS FOR SEVERE DUTY

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## FEATURES

**Swivel Section:** Constructed of hot forged C-1045 steel, the single ball race design features 7/8" diameter load/thrust ball bearings in a 7" diameter precision machined load raceway

**Kingpin:** Kingpinless style design

**Legs:** 1/2" x 4" legs are formed and continuously welded both inside and outside for greater strength

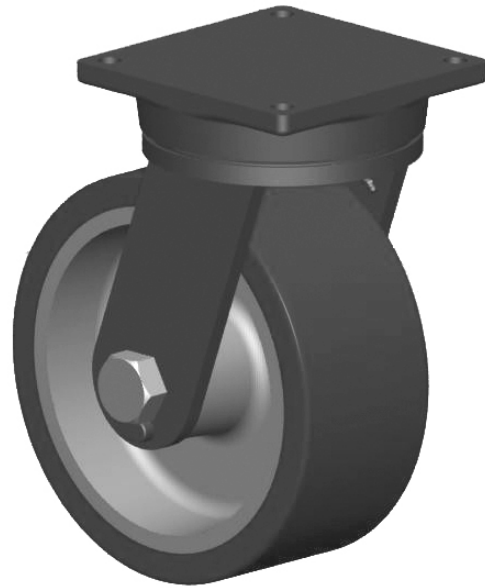
**Axle:** 1-1/4", Grade 5

**Lubrication:** Pre-lubricated before shipment

**Wheels:** 6" to 18" diameter wheels, 3" to 5" widths

**Standard:** Shielded swivel to reduce dust and dirt contamination

**Finish:** Gold dichromate plating



91-12509-65-1 shown

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## BENEFITS

The raceways of the 91 Series kingpinless style casters are precision machined and then through hardened to eliminate brinelling of the surface. This unique swivel design allows the main caster bearing to operate in shear where the load and thrust forces bear on the 7/8" diameter ball bearings. The 91 Series offers a high strength swivel section that will easily swivel under extreme loads.

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## APPLICATIONS

Specifically designed for severe applications, the 91 Series is ideal for die carts, tooling fixtures, aircraft engine stands, ground support equipment, aerospace A-frame skin dollies, portable jigs, large work platforms, mobile military equipment, aircraft maintenance stands and production line delivery trailers.

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## OPTIONS

### Brakes

Poly Cam:	P*
Heavy Duty Tread:	HDT
Wrap Around:	W*
Face Contact:	F

### Swivel Locks

Factory Installed:	L
Heavy Duty:	HDL
Demountable:	DL

Sealed Swivel: SSW

Sealed Wheels: SW

Toe Guard: TG

\* For wheels with diameters  $\geq$  6 inches

Contact the factory for special finishes and overall heights.



**CASTER CONCEPTS**

# 91 SERIES EXTRA HEAVY DUTY CASTERS 20,000 <sup>maximum capacity</sup> LBS

**FOR SEVERE DUTY**

91 SERIES EXTRA HEAVY DUTY CASTERS 20,000 lbs maximum capacity

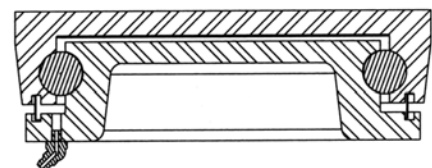
WHEEL		CAPACITY				PART NUMBER			
Dia.	Width	Material	Roller Bearing	Tapered	OAH	Swivel Lead	Straight Roller	Precision Tapered	Wt.
6	3.00	Forged Steel	6,000	10,000	9.50	2.25	91-06301-20-1	91-06309-20-1	60.0
6	3.00	H.D. Forged Steel		17,000	9.50	2.25		91-06309-21-1	60.0
6	4.00	H. D. Polyurethane	3,000	3,000	9.50	2.25	91-06401-65-1	91-06409-65-1	60.0
8	4.00	Forged Steel	8,400	10,000	11.00	2.25	91-08401-20-1	91-08409-20-1	73.0
8	4.00	H.D. Forged Steel		20,000	11.00	2.25		91-08409-21-1	73.0
8	4.00	Polyurethane	3,800	3,800	11.00	2.25	91-08401-60-1	91-08409-60-1	63.0
10	4.00	Forged Steel	8,400	10,000	13.00	2.50	91-10401-20-1	91-10409-20-1	83.0
10	4.00	H.D. Forged Steel		20,000	13.00	2.50		91-10409-21-1	83.0
10	4.00	Polyurethane	4,200	4,200	13.00	2.50	91-10401-60-1	91-10409-60-1	59.0
10	4.00	H.D. Polyurethane	5,000	5,000	13.00	2.50	91-10401-65-1	91-10409-65-1	68.0
10	4.00	Mold on Rubber	1,500	1,500	13.00	2.50	91-10401-70-1	91-10409-70-1	66.0
10	5.00	H.D. Polyurethane	6,000	6,000	13.00	2.50	91-10501-65-1	91-10509-65-1	68.0
10	5.00	70D Hard Polyurethane	7,200	7,200	13.00	2.50	91-10501-67-1	91-10509-67-1	68.0
12	4.00	Ductile Iron	7,500	7,500	15.50	2.50	91-12401-12-1	91-12409-12-1	90.0
12	4.00	H.D. Phenolic	8,000	8,000	15.50	2.50	91-12401-31-1	91-12409-31-1	68.0
12	4.00	H.D. Polyurethane	5,500	5,500	15.50	2.50	91-12401-65-1	91-12409-65-1	75.0
12	4.00	70D Hard Polyurethane	6,600	6,600	15.50	2.50	91-12401-67-1	91-12409-67-1	75.0
12	4.00	Mold on Rubber	1,600	1,600	15.50	2.50	91-12401-70-1	91-12409-70-1	71.0
12	5.00	Ductile Iron	10,000	15,000	15.50	2.50	91-12501-12-1	91-12509-12-1	135.0
12	5.00	H.D. Polyurethane	6,250	6,250	15.50	2.50	91-12501-65-1	91-12509-65-1	90.0
12	5.00	70D Hard Polyurethane	7,500	7,500	15.50	2.50	91-12501-67-1	91-12509-67-1	90.0
12	5.00	Mold on Rubber	1,850	1,850	15.50	2.50	91-12501-70-1	91-12509-70-1	88.0
14	5.00	Cast Iron	7,000	7,000	17.50	3.00	91-14501-10-1	91-14509-10-1	100.0
16	4.00	Laminated Phenolic	8,400	9,400	19.00	3.00	91-16401-35-1	91-16409-35-1	80.0
16	4.00	H.D. Polyurethane	6,000	6,000	19.00	3.00	91-16401-65-1	91-16409-65-1	109.0
16	4.00	Mold on Rubber	1,450	1,450	19.00	3.00	91-16401-70-1	91-16409-70-1	106.0
16	4.00	Cast Iron	7,500	7,500	19.00	3.00	91-16401-10-1	91-16409-10-1	110.0
16	5.00	H.D. Polyurethane	8,000	8,000	19.00	3.00	91-16501-60-1	91-16509-60-1	115.0
16	5.00	70D Hard Polyurethane	8,000	8,000	19.00	3.00	91-16501-67-1	91-16509-67-1	115.0
18	5.00	H.D. Polyurethane	8,000	8,000	21.00	4.00	91-18501-65-1	91-18509-65-1	125.0
18	5.00	70D Hard Polyurethane	9,000	9,000	21.00	4.00	91-18501-67-1	91-18509-67-1	125.0

Capacity listed is for manual operation. For powered operations, consult factory.  
 Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. 91-16509-67-2)  
 Estimated weight is for swivel caster. Deduct 15 pounds for rigid casters.  
 All dimensions are in inches. All weights are in pounds.

**FOR TWICE THE LOAD CAPACITY, DUAL WHEELS ARE AVAILABLE. CONSULT THE FACTORY.**

<b>Top Plate Size</b>	<b>Bolt Hole Spacing</b>	<b>Bolt Diameter</b>
Std: 8.5 x 8.5	7.0 x 7.0	0.625

91 Series Cross Sectional View



# CASTER CONCEPTS

## ***MACHINE CENTER***

The Machine Center is a division of Caster Concepts Inc. that provides high tolerance machining for the motion solutions portion of the business along with providing high quality machining to its outside customer base. The Machine Center combines its unmatched skills in the milling and turning areas to be a keep component in the special and custom applications. Its off site location is ISO 9001-2000 certified and has its own quality control department. The skill sets present at The Machine Center is a continual driving force for higher quality and problem solving for the core products at Caster Concepts Inc.

## ***REACTION INDUSTRIES***

*Reaction Industries* manufactures polyurethane for industrial casters and wheels and other related markets. *Reaction Industries* is one of the manufacturing businesses of the *Caster Concepts, Inc. family* - committed to high-quality products and outstanding customer service. Whatever your polyurethane needs -- MDI, TDI, short-run or long-run, special compounds or standard material -- look to *Reaction Industries* to provide a high-quality product that will meet all your specifications and needs. *Reaction Industries* is the home of the famous TR compound tire -- the premiere polyurethane wheel for industrial applications.

## ***FABRICATING CONCEPTS***

*Fabricating Concepts*, another business unit of the *Caster Concepts family*, is the home of **LaserLine** products. ***Fabricating Concepts*** has fueled many changes in the manufacture of heavy-duty industrial casters and wheels, and has the capability and expertise to serve a variety of markets by utilizing the capacity of two high-powered lasers and large press brakes.

The Caster Concepts, Inc. Engineering Center provides extensive problem solving expertise at all levels. The Sheffield Cordax RS-50 DSS CMM machine with open DIMMS software is the corner stone of our quality program. Solid modeling, CADD 2005 systems, and our state-of-the-art, on-site wheel testing allows Caster Concepts to provide *beyond standard* engineering support to all of our customers.

## ***LASERLINE***

The *LaserLine* laser cutter assures the highest quality of fabrication in the manufacture of the *Caster Concept, Inc.* heavy-duty and custom caster and wheel product lines. It allows Caster Concepts to cut high-quality pieces in necessary volumes with the shortest lead times in the industry. Thanks to the utilization of laser cutting technology, casters are now frequently produced in a single laser cutting operation allowing CCI to eliminate costly and time-consuming secondary operations. The net effect to their customers is a high-quality caster or wheel that is visibly different from those of competitors, and one that is produced in shorter delivery cycles -- important considerations in an industry where delivery cycles rank high with end users.



***Machine***  
CENTER  
A unit of Caster Concepts, Inc.



***Reaction***  
INDUSTRIES  
A unit of Caster Concepts, Inc.



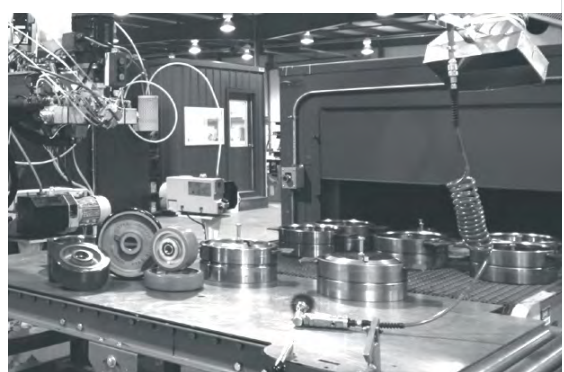
***Fabricating***  
CONCEPTS  
A unit of Caster Concepts, Inc.



***LaserLine***<sup>TM</sup>  
A unit of Caster Concepts, Inc.



# *Beyond Standard Solutions.*



**CASTER CONCEPTS**

Beyond Standard.



**CASTER CONCEPTS**

# 95 SERIES EXTRA HEAVY DUTY CASTERS 17,000 maximum capacity LBS **FOR SEVERE DUTY**

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## FEATURES

**Swivel Section:** Constructed of hot forged C-1045 steel with a 7" diameter raceway featuring precision tapered load and tapered thrust bearings.

**Kingpin:** 1-1/4" integrally forged kingpin with slotted adjusting nut

**Legs:** 1/2" x 4" legs are formed and continuously welded both inside and outside for greater strength

**Axle:** 1-1/4" diameter axle

**Lubrication:** Pre-lubricated before shipping

**Wheel:** 6" to 18" diameter wheels

**Standard:** Built to standard industry dimensions for top plate, bolt hole spacing and overall height

**Finish:** Gold dichromate plating



95-10409-21-1 shown

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## BENEFITS

The 95 Series is ideal for applications where high load capacities are required and where the caster will ensure constant use under load.

The integrally forged kingpin and slotted adjusting nut add strength and longevity to the life of the swivel section.

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## OPTIONS

### Brakes

Poly Cam:	P*
Heavy Duty Tread:	HDT
Wrap Around:	W*
Face Contact:	F

### Swivel Locks

Factory Installed:	L
Heavy Duty:	HDL
Demountable:	DL

Sealed Swivel: SSW

Sealed Wheels: SW

Toe Guard: TG

\* For wheels with diameters  $\geq$  6 inches.

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## APPLICATIONS

Rugged applications include die carts, towed trailers, automotive plant equipment, aircraft maintenance stands, production line delivery trailers, paving machinery and boat dollies.

Work in Progress: Modular building manufacturing.



**CASTER CONCEPTS**

# 95 SERIES EXTRA HEAVY DUTY CASTERS 17,000 <sup>maximum capacity</sup> LBS

**FOR SEVERE DUTY**

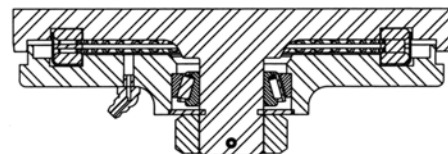
95 SERIES EXTRA HEAVY DUTY CASTERS 17,000 lbs maximum capacity

WHEEL		CAPACITY		PART NUMBER					
Dia.	Width	Material	Roller Bearing	Tapered	OAH	Swivel Lead	Straight Roller	Precision Tapered	Wt.
6	3.00	Forged Steel	6,000	10,000	9.00	2.25	95-06301-20-1	95-06309-20-1	60.0
6	3.00	H.D. Forged Steel		17,000	9.00	2.25		95-06309-21-1	60.0
6	3.00	Polyurethane		2,500	9.00	2.25		95-06309-60-1	50.0
6	4.00	H.D. Polyurethane	3,000	3,000	9.00	2.25	95-06401-65-1	95-06409-65-1	50.0
8	3.00	H.D. Polyurethane	3,100	3,100	11.00	2.25	95-08301-65-1	95-08309-65-1	50.0
8	4.00	Forged Steel	8,400	10,000	11.00	2.25	95-08401-20-1	95-08409-20-1	73.0
8	4.00	H.D. Forged Steel		17,000	11.00	2.25		95-08409-21-1	73.0
8	4.00	Polyurethane	3,800	3,800	11.00	2.25	95-08401-60-1	95-08409-60-1	63.0
10	3.00	Cast Iron	4,000	4,000	13.00	2.50	95-10301-11-1	95-10309-11-1	61.0
10	3.00	H.D. Forged Steel	6,000	6,500	13.00	2.50	95-10301-21-1	95-10309-21-1	62.0
10	3.00	Polyurethane		3,000	13.00	2.50		95-10309-60-1	51.0
10	4.00	H.D. Forged Steel		17,000	13.00	2.50		95-10409-21-1	83.0
10	4.00	Forged Steel	8,400	10,000	13.00	2.50	95-10401-20-1	95-10409-20-1	83.0
10	4.00	Polyurethane	4,200	4,200	13.00	2.50	95-10401-60-1	95-10409-60-1	59.0
10	4.00	H.D. Polyurethane	5,000	5,000	13.00	2.50	95-10401-65-1	95-10409-65-1	68.0
10	4.00	Mold on Rubber	1,500	1,500	13.00	2.50	95-10401-70-1	95-10409-70-1	66.0
10	5.00	H.D. Polyurethane	6,000	6,000	13.00	2.50	95-10501-65-1	95-10509-65-1	68.0
12	3.00	H.D. Polyurethane	3,850	3,850	15.50	2.50	95-12301-65-1	95-12309-65-1	57.0
12	3.50	Laminated Phenolic	4,700	4,700	15.50	2.50	95-12351-35-1	95-12359-35-1	59.0
12	3.50	Phenolic Resin	4,000	4,000	15.50	2.50	95-12351-30-1	95-12359-30-1	60.0
12	3.50	Mold on Rubber	1,350	1,350	15.50	2.50	95-12351-70-1	95-12359-70-1	63.0
12	4.00	Ductile Iron	7,500	7,500	15.50	2.50	95-12401-12-1	95-12409-12-1	90.0
12	4.00	H.D. Phenolic	8,000	8,000	15.50	2.50	95-12401-31-1	95-12409-31-1	68.0
12	4.00	H.D. Polyurethane	5,500	5,500	15.50	2.50	95-12401-65-1	95-12409-65-1	75.0
12	4.00	T/R Compound	4,800	4,800	15.50	2.50	95-12401-66-1	95-12409-66-1	75.0
12	4.00	70D Hard Polyurethane	6,600	6,600	15.50	2.50	95-12401-67-1	95-12409-67-1	75.0
12	4.00	Mold on Rubber	1,600	1,600	15.50	2.50	95-12401-70-1	95-12409-70-1	71.0
12	5.00	Ductile Iron	10,000	15,000	15.50	2.50	95-12501-12-1	95-12509-12-1	130.0
12	5.00	H.D. Polyurethane	6,250	6,250	15.50	2.50	95-12501-65-1	95-12509-65-1	90.0
12	5.00	70D Hard Polyurethane	7,500	7,500	15.50	2.50	95-12501-67-1	95-12509-67-1	90.0
12	5.00	Mold on Rubber	1,850	1,850	15.50	2.50	95-12501-70-1	95-12509-70-1	88.0
14	5.00	Cast Iron	7,000	7,000	17.50	2.50	95-14501-10-1	95-14509-10-1	100.0
16	4.00	Laminated Phenolic	8,400	8,400	19.00	3.00	95-16401-35-1	95-16409-35-1	80.0
16	4.00	Cast Iron	7,500	7,500	19.00	3.00	95-16401-10-1	95-16409-10-1	105.0
16	4.00	H.D. Polyurethane	6,000	6,000	19.00	3.00	95-16401-65-1	95-16409-65-1	109.0
16	4.00	Mold on Rubber	1,450	1,450	19.00	3.00	95-16401-70-1	95-16409-70-1	106.0
16	5.00	Polyurethane	8,000	8,000	19.00	3.00	95-16501-65-1	95-16509-65-1	115.0
16	5.00	70D Hard Polyurethane	8,000	8,000	19.00	3.00	95-16501-67-1	95-16509-67-1	115.0
18	5.00	H.D. Polyurethane	8,000	8,000	21.00	4.00	95-18501-65-1	95-18509-65-1	120.0
18	5.00	70D Hard Polyurethane	8,000	9,000	21.00	4.00	95-18501-67-1	95-18509-67-1	120.0

Capacity listed is for manual operation. For powered operations, consult factory.  
 Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. 95-16509-67-2)  
 Estimated weight is for swivel caster. Deduct 20 pounds for rigid casters.  
 All dimensions are in inches. All weights are in pounds.

Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Std: 8.5 x 8.5	7.0 x 7.0	0.625

95 Series Cross Sectional View







**CASTER CONCEPTS**

# 99 SERIES SUPER HEAVY DUTY CASTERS 35,000 <sup>maximum capacity</sup> LBS FOR SEVERE DUTY

## FEATURES

**Swivel Section:** Machined from C-1045 hot forged steel which has been precision machined for bearings. The swivel section features dual 9" and 12" diameter through hardened load races that use 7/8" diameter steel balls.

**Kingpin:** 1-1/2" diameter kingpin integrally forged into top plate features a slotted adjusting nut and heavy duty 1-1/2" sealed tapered thrust bearing

**Legs:** 3/4" legs are continuously welded both inside and outside for the greatest strength

**Axle:** 2" alloy steel

**Lubrication:** Pre-lubricated before shipping

**Wheel:** Available in single and dual-wheel configurations. Single wheel diameters range from 12" to 28". Dual wheel diameters range from 10" to 22" as standard.

**Finish:** Water based acrylic black paint



2-99-22121-69-1 shown with optional VSL

## BENEFITS

The 99 Series platform with heavy duty swivel casters is the ideal choice when payload protection far exceeds the capacity of the caster. The dual load race design assures smooth rotation of the caster and superior load capacity. Priced at production prices, the series offers flexibility and comfort in product design.

## OPTIONS

### Brakes

- Poly Cam: P
- Face Contact: F

### Swivel Locks

- Vertical Mounted V

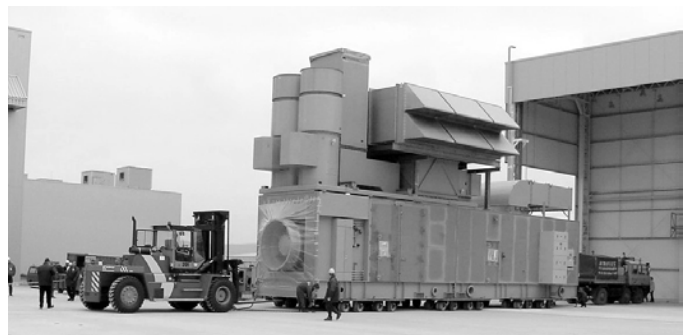
Sealed Wheels: SW

Toe Guard: TG

99 series swivel sections are used as a platform for many custom designed applications. Consult factory.

## APPLICATIONS

Optimal for die handling, marine and automotive applications, the 99 Series also meets the needs for aerospace and aircraft ground support equipment.



Super Duty Wheel Casters moving a portable power generator into a test facility.










**CASTER CONCEPTS**




# 99 SERIES SUPER HEAVY DUTY CASTERS 35,000 <sup>maximum capacity</sup> LBS

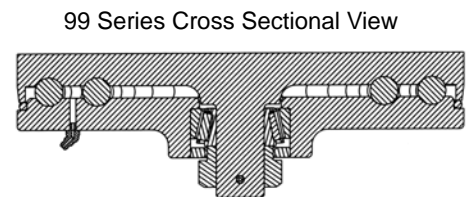
**FOR SEVERE DUTY**

99 SERIES SUPER HEAVY DUTY CASTERS 35,000 lbs maximum capacity

WHEEL			CAPACITY	PART NUMBER		
						
Dia.	Width	Material	Needle Bearing	OAH	Swivel Lead	Needle Bearing
<b>SINGLE WHEEL</b>						
12	5.00	Ductile	18,000	16.50	3.00	99-12501-12-1
12	5.00	H.D. Polyurethane	7,500	16.50	3.00	99-12501-67-1
15	9.00	Polyurethane Press On	8,700	19.50	3.50	99-15901-69-1
18	9.00	Polyurethane Press On	10,900	22.00	4.50	99-18901-69-1
22	8.00	Polyurethane Press On	11,000	26.00	5.50	99-22801-69-1
22	12.00	Polyurethane Press On	17,500	26.00	5.50	99-22121-69-1
28	12.00	Polyurethane Press On	21,000	32.00	6.00	99-28121-69-1
28	16.00	Polyurethane Press On	29,000	32.00	6.00	99-28161-69-1
<b>DUAL WHEEL</b>						
10	4.00	H.D. Forged Steel	35,000	14.50	3.00	2-99-10401-21-1
12	5.00	Ductile Iron	35,000	16.50	3.00	2-99-12501-12-1
12	5.00	HL Polyurethane	15,000	16.50	3.00	2-99-12501-67-1
18	9.00	Polyurethane Press On	21,800	22.00	4.50	2-99-18901-69-1
22	8.00	Polyurethane Press On	23,000	26.00	5.50	2-99-22801-69-1
22	12.00	Polyurethane Press On	35,000	26.00	5.50	2-99-22121-69-1

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

		
Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Std: 14 x 14	12 x 12	0.75



**THE 99 SERIES PLATFORM CAN BE HIGHLY CUSTOMIZED FOR A BROAD RANGE OF APPLICATIONS.**



# CASTER CONCEPTS

Beyond Standard.

## DUAL WHEEL CASTERS KINGPINLESS **17,000** maximum capacity LBS

### FEATURES

Dual wheel casters are designed for heavy duty, extra heavy duty and super duty applications. Constructed of our popular hot forged C-1045 steel swivel sections, these dual wheel casters offer the highest possible capacity at the lowest overall height. The casters feature legs that are welded to a unique skirt design for greater strength and longevity.

### BENEFITS

The large footprint provides for a greater distribution of load on the floor. Additionally, the larger casters have a vertical center leg to further enhance the load distribution. Less effort is needed when changing direction as the design allows the wheels to rotate at variable rates to compensate for the shorter radius in the arc.

### APPLICATIONS

Excellent for tow lines, industrial platform trucks, rugged industrial functions and other severe abuse applications.



2-99-22801-69-1 shown

### OPTIONS

Brakes	Poly Cam:	P
	Face Contact:	F
	Double Side:	DS
Swivel Locks	Factory Installed:	L
	Demountable:	DL
Sealed Swivel:		SSW
Toe Guard:		TG

**All casters available in kingpinless style, consult factory.**

WHEEL		CAPACITY		PART NUMBER						
Dia.	Width	Material	Roller Bearing	Tapered	OAH	Swivel Lead	Straight Roller	Precision Tapered	Series	Wt.
4	1.50	Phenolic Resin	1,200		5.62	1.50	52-04101-30-1		50	9.5
4	1.50	Polyurethane	1,350		5.62	1.50	52-04101-60-1		50	11.0
5	1.50	Phenolic Resin	1,200		6.50	1.75	52-05101-30-1		50	10.5
5	1.50	Polyurethane	1,400		6.50	1.75	52-05101-60-1		50	11.5
6	2.00	Cast Iron	1,500		7.50	2.25	52-06201-10-1		50	21.0
6	2.00	Forged Steel	1,500		7.50	2.25	52-06201-20-1		50	20.0
6	2.00	Phenolic Resin	1,500		7.50	2.25	52-06201-30-1		50	13.0
6	2.00	Polyurethane	1,500		7.50	2.25	52-06201-60-1		50	18.0
6	2.00	Mold on Rubber	820		7.50	2.25	52-06201-70-1		50	12.5
3	1.50	Polyurethane	900		5.25	1.50	62-03101-60-1		60	9.0
4	1.50	Phenolic Resin	1,200		5.62	1.50	62-04101-30-1		60	9.5
4	1.50	Polyurethane	1,350		5.62	1.50	62-04101-60-1		60	11.0
5	1.50	Phenolic Resin	1,200		6.50	1.75	62-05101-30-1		60	10.5
5	1.50	Polyurethane	1,400		6.50	1.75	62-05101-60-1		60	11.5
4	1.50	Forged Steel	2,000		5.50	2.25	66-04101-20-1		65	14.0
4	2.00	Phenolic Resin	1,600		5.50	2.25	66-04201-30-1		65	11.0
4	2.00	Polyurethane	1,500		5.50	2.25	66-04201-60-1		65	12.0
5	2.00	Forged Steel	2,000		6.50	2.25	66-05201-20-1		65	17.0
5	2.00	Phenolic Resin	2,000		6.50	2.25	66-05201-30-1		65	11.5
5	2.00	Polyurethane	2,000		6.50	2.25	66-05201-60-1		65	15.0
5	2.00	Mold on Rubber	700		6.50	2.25	66-05201-70-1		65	13.0
6	2.00	Cast Iron	2,000		7.50	2.25	66-06201-10-1		65	21.0
6	2.00	Forged Steel	2,000		7.50	2.25	66-06201-20-1		65	20.0
6	2.00	Phenolic Resin	2,000		7.50	2.25	66-06201-30-1		65	13.0
6	2.00	Polyurethane	2,000		7.50	2.25	66-06201-60-1		65	18.0
6	2.00	Mold on Rubber	820		7.50	2.25	66-06201-70-1		65	12.5



**CASTER CONCEPTS**  
Beyond Standard.

# DUAL WHEEL CASTERS

## KINGPINLESS **17,000** maximum capacity **LBS**

WHEEL		CAPACITY				PART NUMBER				
Dia.	Width	Material	Roller	Tapered	OAH	Swivel Lead	Straight Roller	Precision Tapered	Series	Wt.
8	2.00	Cast Iron	2,000		10.12	2.25	66-08201-10-1		65	26.0
8	2.00	Phenolic Resin	2,000		10.12	2.25	66-08201-30-1		65	18.0
8	2.00	Polyurethane	2,000		10.12	2.25	66-08201-60-1		65	25.0
8	2.00	Mold on Rubber	1,000		10.12	2.25	66-08201-70-1		65	35.0
6	2.50	Mold on Rubber	1,080	1,080	8.00	2.25	72-06251-70-1	72-06259-70-1	70	37.0
6	2.50	Polyurethane	3,500	3,500	8.00	2.25	72-06251-60-1	72-06259-60-1	70	40.0
6	2.50	Phenolic Resin	3,500		8.00	2.25	72-06251-30-1		70	26.0
6	2.50	Cast Iron	3,500	3,500	8.00	2.25	72-06251-10-1	72-06259-10-1	70	37.0
8	2.50	Mold on Rubber	1,340	1,340	10.50	2.50	72-08251-70-1	72-08259-70-1	70	38.0
8	2.50	Polyurethane	3,500	3,500	10.50	2.50	72-08251-60-1	72-08259-60-1	70	40.0
8	2.50	Phenolic Resin	3,500		10.50	2.50	72-08251-30-1		70	30.0
10	2.50	Mold on Rubber	1,550	1,550	12.50	2.50	72-10251-70-1	72-10259-70-1	70	42.0
10	2.50	Polyurethane	3,500	3,500	12.50	2.50	72-10251-60-1	72-10259-60-1	70	52.0
10	2.50	Phenolic Resin	3,500	3,500	12.50	2.50	72-10251-30-1	72-10259-30-1	70	35.0
12	2.50	Mold on Rubber	1,800	1,800	14.00	2.50	72-12251-70-1	72-12259-70-1	70	51.0
12	2.50	Polyurethane	3,500	3,500	14.00	2.50	72-12251-60-1	72-12259-60-1	70	58.0
12	2.50	Phenolic Resin	3,500	3,500	14.00	2.50	72-12251-30-1	72-12259-30-1	70	43.0
6	3.00	Polyurethane	4,100	4,100	9.00	2.50	82-06301-60-1	82-06309-60-1	80	44.0
6	3.00	Phenolic Resin	4,000	4,000	9.00	2.50	82-06301-30-1	82-06309-30-1	80	39.0
6	3.00	Forged Steel	5,000	5,000	9.00	2.50	82-06301-20-1	82-06309-20-1	80	65.0
8	3.00	Polyurethane	5,000	5,000	11.00	2.50	82-08301-60-1	82-08309-60-1	80	50.0
8	3.00	Phenolic Resin	5,000	5,000	11.00	2.50	82-08301-30-1	82-08309-30-1	80	40.0
8	3.00	Forged Steel	5,000	10,000	11.00	2.50	82-08301-20-1	86-08309-20-1	80	62.0
8	3.00	Cast Iron	5,000	5,000	11.00	2.50	82-08301-10-1	82-08309-10-1	80	62.0
10	3.00	Polyurethane	6,000	6,000	13.00	2.50	86-10301-60-1	86-10309-60-1	85	58.0
10	3.00	Phenolic Resin	5,800	5,800	13.00	2.50	86-10301-30-1	86-10309-30-1	85	45.0
10	3.00	Forged Steel	10,000	10,000	13.00	2.50	86-10301-21-1	86-10309-21-1	85	81.0
10	3.00	Cast Iron	6,000	6,000	13.00	2.50	86-10301-10-1	86-10309-10-1	85	71.0
6	3.00	Forged Steel	11,000	17,000	9.00	2.50	96-06301-20-1	96-06309-20-1	95	85.0
6	5.00	H.D. Polyurethane		7,400	9.00	2.50		96-06509-65-1	95	90.0
8	3.00	H.D. Polyurethane		6,200	11.00	2.50		96-08309-65-1	95	75.0
8	4.00	Polyurethane	7,600	7,600	11.00	2.50	96-08401-60-1	96-08409-60-1	95	75.0
8	4.00	H.D. Forged Steel		17,000	11.00	2.50		96-08409-21-1	95	112.0
10	3.00	H.D. Polyurethane	7,400	7,400	13.00	2.50	96-10301-65-1	96-10309-65-1	95	88.0
10	3.00	Laminated Phenolic	6,000	6,000	13.00	2.50	96-10301-35-1	96-10309-35-1	95	67.0
10	3.00	H.D. Forged Steel	12,000	13,000	13.00	2.50	96-10301-21-1	96-10309-21-1	95	123.0
10	4.00	H.D. Forged Steel		17,000	13.00	2.50		96-10409-21-1	95	140.0
10	4.00	H.D. Polyurethane	10,000	10,000	13.00	2.50	96-10401-65-1	96-10409-65-1	95	103.0
10	4.00	Polyurethane	8,400	8,400	13.00	2.50	96-10401-60-1	96-10409-60-1	95	90.0
10	5.00	H.D. Polyurethane	12,000	12,000	13.00	2.50	96-10501-65-1	96-10509-65-1	95	103.0
12	3.00	H.D. Polyurethane	7,700	7,700	15.50	2.50	96-12301-65-1	96-12309-65-1	95	108.0
12	3.50	Laminated Phenolic	8,500	8,500	15.50	2.50	96-12351-35-1	96-12359-35-1	95	97.0
12	4.00	H.D. Polyurethane	11,000	11,000	15.50	2.50	96-12401-65-1	96-12409-65-1	95	120.0
12	4.00	70D H.L. Polyurethane	13,000	13,000	15.50	2.50	96-12401-67-1	96-12409-67-1	95	100.0
12	5.00	H.D. Polyurethane	12,500	12,500	15.50	2.50	96-12501-65-1	96-12509-65-1	95	150.0
12	5.00	70D H.L. Polyurethane	15,000	15,000	15.50	2.50	96-12501-67-1	96-12509-67-1	95	130.0
16	5.00	H.D. Polyurethane	16,000	16,000	19.00	4.00		96-16509-65-1	95	200.0
16	5.00	H.D. Polyurethane	16,000	17,000	19.00	4.00		96-16509-67-1	95	200.0
18	5.00	H.D. Polyurethane	17,000	17,000	23.00	4.00		96-18509-65-1	95	220.0
18	5.00	H.D. Polyurethane	17,000	17,000	23.00	4.00		96-18509-67-1	95	220.0

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

Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. 96-12409-65-2)

**See series codes for top plate and bolt hole dimensions.**

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



**CASTER CONCEPTS**  
Beyond Standard.

# DUAL WHEEL CASTERS

## KINGPINLESS **20,000** maximum capacity **LBS**

WHEEL		CAPACITY					PART NUMBER			
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Dia.	Width	Material	Roller	Tapered	OAH	Swivel Lead	Straight Roller	Precision Tapered	Swivel Radius	Series
4	1.5	PHENOLIC RESIN	1200		5.63	2.25	2-51-04101-30-1		4.57	51
4	1.5	POLYURETHANE	1350		5.63	2.25	2-51-04101-60-1		4.57	51
5	1.5	PHENOLIC RESIN	1200		6.5	2.25	2-51-05101-30-1		5.04	51
5	1.5	POLYURETHANE	1400		6.5	2.25	2-51-05101-60-1		5.04	51
6	2	CAST IRON	1500		7.5	2.5	2-51-06201-10-1		5.97	51
6	2	FORGED STEEL	1500		7.5	2.5	2-51-06201-20-1		5.97	51
6	2	PHENOLIC RESIN	1500		7.5	2.5	2-51-06201-30-1		5.97	51
6	2	POLYURETHANE	1500		7.5	2.5	2-51-06201-60-1		5.97	51
6	2	MOLD ON RUBBER	820		7.5	2.5	2-51-06201-70-1		5.97	51
3	1.5	POLYURETHANE	900		5.25	1.5	2-61-03101-60-1		3.44	61
4	1.5	PHENOLIC	1200		5.63	1.5	2-61-04101-30-1		3.88	61
4	1.5	POLYURETHANE	1350		5.63	1.5	2-61-04101-60-1		3.88	61
4	2	PHENOLIC	1600		5.5	2.25	2-61-04201-30-1		4.85	61
4	2	POLYURETHANE	1500		5.5	2.25	2-61-04201-60-1		4.85	61
5	1.5	PHENOLIC	1200		6.5	1.75	2-61-05101-30-1		4.57	61
5	1.5	POLYURETHANE	1400		6.5	1.75	2-61-05101-60-1		4.57	61
5	2	FORGED STEEL	3000		6.5	2.25	2-61-05201-20-1		5.29	61
5	2	PHENOLIC	2100		6.5	2.25	2-61-05201-30-1		5.29	61
5	2	POLYURETHANE	2100		6.5	2.25	2-61-05201-60-1		5.29	61
5	2	MOLD ON RUBBER	800		6.5	2.25	2-61-05201-70-1		5.29	61
6	2	CAST IRON	2600		7.5	2.25	2-61-06201-10-1		5.74	61
6	2	FORGED STEEL	3000		7.5	2.25	2-61-06201-20-1		5.74	61
6	2	PHENOLIC	2400		7.5	2.25	2-61-06201-30-1		5.74	61
6	2	POLYURETHANE	2400		7.5	2.25	2-61-06201-60-1		5.74	61
6	2	MOLD ON RUBBER	850		7.5	2.25	2-61-06201-70-1		5.74	61
8	2	CAST IRON	3000		10.13	2.25	2-61-08201-10-1		6.67	61
8	2	PHENOLIC	2800		10.13	2.25	2-61-08201-30-1		6.67	61
8	2	POLYURETHANE	3100		10.13	2.25	2-61-08201-60-1		6.67	61
8	2	MOLD ON RUBBER	1000		10.13	2.25	2-61-08201-70-1		6.67	61
6	3	MOLD ON RUBBER	1400	1400	8	2.25	2-71-06301-70-1	2-71-06309-70-1	6.29	71
6	3	POLYURETHANE	4100	4100	8	2.25	2-71-06301-60-1	2-71-06309-60-1	6.29	71
6	3	PHENOLIC	4000		8	2.25	2-71-06301-30-1		6.29	71
6	3	CAST IRON	4500	4500	8	2.25	2-71-06301-10-1	2-71-06309-10-1	6.29	71
8	3	MOLD ON RUBBER	1700	1700	10.5	2.5	2-71-08301-70-1	2-71-08309-70-1	7.36	71
8	3	POLYURETHANE	4500	4500	10.5	2.5	2-71-08301-60-1	2-71-08309-60-1	7.36	71
8	3	PHENOLIC	4500		10.5	2.5	2-71-08301-30-1		7.36	71
10	3	MOLD ON RUBBER	2000	2000	12.5	2.5	2-71-10301-70-1	2-71-10309-70-1	8.26	71
10	3	POLYURETHANE	4500	4500	12.5	2.5	2-71-10301-60-1	2-71-10309-60-1	8.26	71
10	3	PHENOLIC	4500		12.5	2.5	2-71-10301-30-1	2-71-10309-30-1	8.26	71
12	3	MOLD ON RUBBER	2250	2250	14	2.5	2-71-12301-70-1	2-71-12309-70-1	9.18	71
12	3	POLYURETHANE	4500	4500	14	2.5	2-71-12301-60-1	2-71-12309-60-1	9.18	71
12	3	PHENOLIC	4500	4500	14	2.5	2-71-12301-30-1	2-71-12309-30-1	9.18	71
6	3	POLYURETHANE	4100	4100	9	2.5	2-81-06301-60-1	2-81-06309-60-1	6.53	81
6	3	PHENOLIC	4000	4000	9	2.5	2-81-06301-30-1	2-81-06309-30-1	6.53	81
6	3	FORGED STEEL	10000	10000	9	2.5	2-81-06301-20-1	2-81-06309-20-1	6.53	81
8	3	POLYURETHANE	5000	5000	11	2.5	2-81-08301-60-1	2-81-08309-60-1	7.39	81
8	3	PHENOLIC	5000	5000	11	2.5	2-81-08301-30-1	2-81-08309-30-1	7.39	81
8	3	FORGED STEEL	9000	10000	11	2.5	2-81-08301-20-1	2-81-08309-20-1	7.39	81
8	3	CAST IRON	7000	9000	11	2.5	2-81-08301-10-1	2-81-08309-10-1	7.39	81
10	3	POLYURETHANE	6000	6000	13	2.5	2-81-10301-60-1	2-81-10309-60-1	8.28	81
10	3	PHENOLIC	5800	5800	13	2.5	2-81-10301-30-1	2-81-10309-30-1	8.28	81
10	3	FORGED STEEL	10000	10000	13	2.5	2-81-10301-21-1	2-81-10309-21-1	8.28	81
10	3	CAST IRON	7000	7000	13	2.5	2-81-10301-10-1	2-81-10309-10-1	8.28	81
6	3	FORGED STEEL	12000	20000	9.5	2.5	2-91-06301-20-1	2-91-06309-20-1	6.53	
6	5	H.D. POLYURETHANE	7400	7400	9.75	2.5		2-91-06509-65-1	7.8	
8	3	H.D. POLYURETHANE		6200	11.5	2.5		2-91-08309-65-1	7.39	
8	4	POLYURETHANE	7600	7600	11.5	2.5	2-91-08401-60-1	2-91-08409-60-1	7.92	
8	4	H.D. FORGED STEEL		20000	11.5	2.5		2-91-08409-21-1	7.92	
10	3	H.D. POLYURETHANE	7400	7400	13.5	2.5	2-91-10301-65-1	2-91-10309-65-1	8.28	
10	3	LAMINATED PHENOLIC	6800	6800	13.5	2.5	2-91-10301-35-1	2-91-10309-35-1	8.28	
10	3	H.D. FORGED STEEL	12000	13000	13.5	2.5	2-91-10301-21-1	2-91-10309-21-1	8.28	
10	4	H.D. FORGED STEEL		20000	13.5	2.5		2-91-10409-21-1	8.76	
10	4	H.D. POLYURETHANE	10000	10000	13.5	2.5	2-91-10401-65-1	2-91-10409-65-1	8.76	
10	4	POLYURETHANE	8400	8400	13.5	2.5	2-91-10401-60-1	2-91-10409-60-1	8.76	
10	5	H.D. POLYURETHANE	12000	12000	13.75	2.5	2-91-10501-65-1	2-91-10509-65-1	9.31	
12	3	H.D. POLYURETHANE	7700	7700	15.5	2.5	2-91-12301-65-1	2-91-12309-65-1	9.2	
12	3.5	LAMINATED PHENOLIC	8500	8500	15.5	2.5	2-91-12351-35-1	2-91-12359-35-1	9.51	
12	4	H.D. POLYURETHANE	11000	11000	15.5	2.5	2-91-12401-65-1	2-91-12409-65-1	9.63	
12	5	70 D H.D. POLYURETHANE	13000	13000	15.75	2.5	2-91-12401-67-1	2-91-12409-67-1	10.14	
12	5	H.D. POLYURETHANE	12500	12500	15.75	2.5	2-91-12501-65-1	2-91-12509-65-1	10.14	
12	5	70 D H.D. POLYURETHANE	15000	15000	15.75	2.5	2-91-12501-67-1	2-91-12509-67-1	10.14	
18	5	H.D. POLYURETHANE		17000	21.75	4		2-91-18509-65-1	14.12	
18	5	70 D H.D. POLYURETHANE		18000	21.75	4		2-91-18509-67-1	14.12	



**CASTER CONCEPTS**

# SHOCK ABSORBING CASTERS

**20,000** maximum capacity  
LBS

## FEATURES

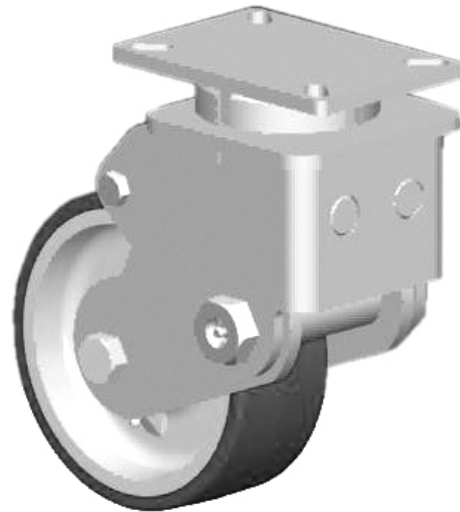
Our popular shock absorbing casters have swivel sections that are constructed of high alloy steel and are precision machined for close tolerances and long life. These casters feature legs of thick section plate steel. Integrally forged kingpins are available from 3/4" to 1-1/4" in diameter. In normal configurations, these swivel sections will carry 3 to 4 times their listed capacity.

## BENEFITS

The high strength chrome vanadium springs provide longer life through constant flexing and compressing. The spring compression starts with as little as 25 pounds loading per caster resulting in cushioned loads and quiet empty returns. The long swivel lead reduces excessive shimmy and vibration while towing.

## OPTIONS

Special non-catalog sizes and designs are available. Swivel locks and face contact brakes are available, consult factory.



73-08309-60-1 shown

## APPLICATIONS

Shock absorbing casters are ideal for jet engine dollies, aircraft jacks, in-plant trailers, trash gondolas, lift truck stabilizer casters, revolving signs and parade floats.

WHEEL			CAPACITY		PART NUMBER					
Dia.	Width	Material	Roller Bearing	Tapered	OAH	Swivel Lead	Straight Roller	Precision Tapered	Series	Wt.
4	2.00	Polyurethane	500		7.31	1.75	53-04201-60-1		50	13.0
4	2.00	Mold on Rubber	400		7.31	1.75	53-04201-71-1		50	13.0
4	2.00	Phenolic Resin	500		7.31	1.75	53-04201-30-1		50	12.0
5	2.00	Polyurethane	500		7.81	1.75	53-05201-60-1		50	13.0
5	2.00	Mold on Rubber	400		7.81	1.75	53-05201-71-1		50	13.0
5	2.00	Phenolic Resin	500		7.81	1.75	53-05201-30-1		50	12.0
6	2.00	Polyurethane	500		9.25	2.25	53-06201-60-1		50	15.0
6	2.00	Mold on Rubber	425		9.25	2.25	53-06201-71-1		50	15.0
6	2.00	Phenolic Resin	500		9.25	2.25	53-06201-30-1		50	13.0
8	2.00	Polyurethane	500		11.63	3.25	53-08201-60-1		50	16.0
8	2.00	Mold on Rubber	500		11.63	3.25	53-08201-71-1		50	16.0
8	2.00	Phenolic Resin	500		11.63	3.25	53-08201-30-1		50	13.0
5	2.00	Polyurethane	400		7.50	2.75	63-05201-60-1		60	13.0
5	2.00	Mold on Rubber	400		7.50	2.75	63-05201-71-1		60	13.0
5	2.00	Phenolic Resin	400		7.50	2.75	63-05201-30-1		60	11.0
6	2.00	Polyurethane	500		8.50	2.38	63-06201-60-1		60	15.0
6	2.00	Mold on Rubber	500		8.50	2.38	63-06201-71-1		60	15.0
6	2.00	Phenolic Resin	500		8.50	2.38	63-06201-30-1		60	13.0
8	2.00	Polyurethane	500		10.50	3.50	63-08201-60-1		60	16.0
8	2.00	Mold on Rubber	410		10.50	3.50	63-08201-71-1		60	16.0
8	2.00	Phenolic Resin	500		10.50	3.50	63-08201-30-1		60	13.0





**CASTER CONCEPTS**

# SHOCK ABSORBING CASTERS

**20,000** maximum capacity  
**LBS**




SHOCK ABSORBING CASTERS 20,000 lbs maximum capacity

WHEEL		CAPACITY		PART NUMBER						
Dia.	Width	Material	Roller	Tapered	OAH	Swivel Lead	Straight Roller	Precision Tapered	Series	Wt.
6	2.50	Polyurethane	800	800	9.50	3.63	67-06255-60-1	67-06257-60-1	65	27.0
6	2.50	Mold on Rubber	670	670	9.50	3.63	67-06255-70-1	67-06257-70-1	65	26.0
6	2.50	Phenolic Resin	800	800	9.50	3.63	67-06255-30-1	67-06257-30-1	65	18.0
8	2.50	Polyurethane	800	800	11.50	4.00	67-08255-60-1	67-08257-60-1	65	25.0
8	2.50	Mold on Rubber	670	670	11.50	4.00	67-08255-70-1	67-08257-70-1	65	25.0
8	2.50	Phenolic Resin	800	800	11.50	4.00	67-08255-30-1	67-08257-30-1	65	20.0
10	2.50	Polyurethane	800	800	14.00	5.50	67-10255-60-1	67-10257-60-1	65	32.0
10	2.50	Mold-on rubber	800	800	14.00	5.50	67-10255-70-1	67-10257-70-1	65	27.0
10	2.50	Phenolic Resin	800	800	14.00	5.50	67-10255-30-1	67-10257-30-1	65	22.0
6	3.00	Polyurethane	1,100	1,100	10.00	4.00	73-06301-60-1	73-06309-60-1	70	35.0
6	3.00	Mold on Rubber	700	700	10.00	4.00	73-06301-70-1	73-06309-70-1	70	34.0
6	3.00	Phenolic Resin	1,100	1,100	10.00	4.00	73-06301-30-1	73-06309-30-1	70	28.0
8	3.00	Polyurethane	1,100	1,100	12.00	4.00	73-08301-60-1	73-08309-60-1	70	38.0
8	3.00	Mold on Rubber	850	850	12.00	4.00	73-08301-70-1	73-08309-70-1	70	38.0
8	3.00	T/R Compound Soft Poly	1,100	1,100	12.00	4.00	73-08301-66-1	73-08309-66-1	70	32.0
10	3.00	Polyurethane	1,100	1,100	13.50	5.50	73-10301-60-1	73-10309-60-1	70	45.0
10	3.00	Mold on Rubber	1,100	1,100	13.50	5.50	73-10301-70-1	73-10309-70-1	70	42.0
10	3.00	T/R Compound Soft Poly	1,100	1,100	13.50	5.50	73-10301-66-1	73-10309-66-1	70	38.0
8	3.00	Polyurethane	1,700	1,700	12.00	4.00	83-08301-60-1	83-08309-60-1	80	58.0
8	3.00	Mold on Rubber	825	825	12.00	4.00	83-08301-70-1	83-08309-70-1	80	58.0
8	3.00	T/R Compound Soft Poly	1,700	1,700	12.00	4.00	83-08301-66-1	83-08309-66-1	80	48.0
10	3.00	Polyurethane	1,700	1,700	14.50	4.50	83-10301-60-1	83-10309-60-1	80	65.0
10	3.00	Mold on Rubber	1,000	1,000	14.50	4.50	83-10301-70-1	83-10309-70-1	80	55.0
10	3.00	T/R Compound Soft Poly	1,700	1,700	14.50	4.50	83-10301-66-1	83-10309-66-1	80	50.0
12	3.00	Polyurethane	1,500	1,500	17.00	5.50	83-12301-60-1	83-12309-60-1	80	65.0
12	3.00	Mold on Rubber	1,150	1,150	17.00	5.50	83-12301-70-1	83-12309-70-1	80	62.0
12	3.00	Phenolic Resin	1,500	1,500	17.00	5.50	83-12301-30-1	83-12309-30-1	80	64.0
10	4.00	Polyurethane	4,000	4,000	16.25	3.50		93-10409-60-1	91	100.0
10	4.00	Forged Steel	4,000	4,000	16.25	3.50		93-10409-20-1	91	110.0
10	5.00	Polyurethane	4,000	4,000	16.25	3.50		93-10509-65-1	91	110.0

<b>SUPER DUTY SHOCK ABSORBING DUAL WHEEL CASTERS</b>										
10	5.00	Polyurethane		8,000	16.25	3.50		2-93-10509-65-1	91	250.0
18	5.00	Polyurethane		20,000	25.50	4.50		103-18509-65-1	91	400.0

Capacity listed is for manual operation. For powered operations, consult factory.  
 Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. 83-12309-30-2)  
 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.

	 <b>Top Plate Size</b>	 <b>Bolt Hole Spacing</b>	 <b>Bolt Diameter</b>
<b>STD 53</b>	<b>4.0 x 5.0</b>	<b>2.625 x 3.625</b> Slotted to 3.0 x 3.0	<b>0.375</b>
<b>STD 63/67</b>	<b>4.5 x 6.25</b>	<b>2.438 x 4.938</b> Slotted to 3.375 x 5.25	<b>0.5</b>
<b>STD 73</b>	<b>5.0 x 7.25</b>	<b>3.375 x 5.25</b> Slotted to 4.125 x 6.125	<b>0.5</b>
<b>STD 83</b>	<b>6.0 x 7.5</b>	<b>4.5 x 6.0</b>	<b>0.5</b>
<b>STD 93</b>	<b>8.5 x 8.5</b>	<b>7.0 x 7.0</b>	<b>0.625</b>



**CASTER CONCEPTS**

# VERTICAL MOUNTED SPRING CASTERS 3,800 maximum capacity LBS

## FEATURES

Vertical mounted spring (VMS) casters offer the highest flexibility in design. Each caster features springs that are retained on threaded rod ends for pre-load capabilities. Pre-loading the caster causes the caster to stand strong to a predetermined load before any deflection.

The VMS caster can be built with standard components and varying capacities by simply changing out the springs.



94-10409-60-1 shown

## OPTIONS

Available with dual wheels and pneumatic tires.

Swivel locks and face contact brakes are available, consult factory.

## APPLICATIONS

VMS casters are ideal for jet engine dollies, aircraft jacks, in-plant trailers, trash gondolas, lift truck stabilizer casters, revolving signs and parade floats.

WHEEL		CAPACITY				PART NUMBER			
Dia.	Width	Material	Roller Bearing	OAH	Swivel Lead	Straight Roller	Precision Tapered	Series	Wt.
6	2.00	Polyurethane	500	8.50	2.30	34-06201-60-1		30	14.0
6	2.00	Phenolic Resin	500	8.50	2.30	34-06201-30-1		30	9.5
6	2.00	Mold on Rubber	425	8.50	2.30	34-06201-70-1		30	9.0
6	2.00	T/R Compound	500	8.50	2.30	34-06201-61-1		30	14.0
8	2.00	Polyurethane	500	9.75	1.75	34-08201-60-1		30	16.0
8	2.00	Phenolic Resin	500	9.75	1.75	34-08201-30-1		30	11.0
8	2.00	Mold On Rubber	425	9.75	1.75	34-08201-70-1		30	11.0
8	2.00	T/R Compound	500	9.75	1.75	34-08201-61-1		30	16.0
6	2.00	Polyurethane	500	8.50	1.75	54-06201-60-1		50	16.0
6	2.00	Phenolic Resin	500	8.50	1.75	54-06201-30-1		50	12.0
6	2.00	Mold on Rubber	425	8.50	1.75	54-06201-70-1		50	11.5
6	2.00	T/R Compound	500	8.50	1.75	54-06201-61-1		50	16.0
8	2.00	Polyurethane	500	10.50	1.75	54-08201-60-1		50	18.0
8	2.00	Phenolic Resin	500	10.50	1.75	54-08201-30-1		50	13.0
8	2.00	Mold on Rubber	425	10.50	1.75	54-08201-70-1		50	13.0
8	2.00	T/R Compound	500	10.50	1.75	54-08201-61-1		50	18.0
8	2.50	Polyurethane	800	11.50	2.25	64-08255-60-1		60	23.0
8	2.50	Phenolic Resin	800	11.50	2.25	64-08255-30-1		60	20.0
8	2.50	Mold on Rubber	700	11.50	2.25	64-08255-70-1		60	25.0
8	2.50	T/R Compound	800	11.50	2.25	64-08255-61-1		60	23.0
10	2.50	Polyurethane	800	13.50	2.25	64-10255-60-1		60	32.0
10	2.50	Phenolic Resin	800	13.50	2.25	64-10255-30-1		60	22.0
10	2.50	Mold on Rubber	700	13.50	2.25	64-10255-70-1		60	32.0
10	2.50	T/R Compound	800	13.50	2.25	64-10255-61-1		60	32.0








**CASTER CONCEPTS**

# VERTICAL MOUNTED SPRING CASTERS 3,800 maximum capacity LBS

VERTICAL MOUNTED SPRING CASTERS 3,800 lbs maximum capacity

WHEEL		CAPACITY			PART NUMBER				
Dia.	Width	Material	Roller Bearing	OAH	Swivel Lead	Straight Roller	Precision Tapered	Series	Wt.
8	3.00	Polyurethane	1,500	11.50	3.00	74-08301-60-1	74-08309-60-1	70	44.0
8	3.00	Phenolic Resin	1,500	11.50	3.00	74-08301-30-1	74-08309-30-1	70	35.0
8	3.00	Mold on Rubber	850	11.50	3.00	74-08301-70-1	74-08309-70-1	70	45.0
8	3.00	T/R Compound	1,500	11.50	3.00	74-08301-66-1	74-08309-66-1	70	45.0
10	3.00	Polyurethane	1,500	13.50	3.00	74-10301-60-1	74-10309-60-1	70	49.0
10	3.00	Phenolic Resin	1,500	13.50	3.00	74-10301-30-1	74-10309-30-1	70	39.0
10	3.00	Mold On Rubber	1,000	13.50	3.00	74-10301-70-1	74-10309-70-1	70	49.0
10	3.00	T/R Compound	1,500	13.50	3.00	74-10301-66-1	74-10309-66-1	70	49.0
12	3.00	Polyurethane	1,500	15.50	3.00	74-12301-60-1	74-12309-60-1	70	58.0
12	3.00	Phenolic Resin	1,500	15.50	3.00	74-12301-30-1	74-12309-30-1	70	43.0
12	3.00	Mold on Rubber	1,000	15.50	3.00	74-12301-70-1	74-12309-70-1	70	52.0
12	3.00	T/R Compound	1,500	15.50	3.00	74-12301-66-1	74-12309-66-1	70	62.0
8	3.00	Polyurethane	2,500	11.50	3.00	84-08301-60-1	84-08309-60-1	80	50.0
8	3.00	Phenolic Resin	2,500	11.50	3.00	84-08301-30-1	84-08309-30-1	80	42.0
8	3.00	Mold on Rubber	850	11.50	3.00	84-08301-70-1	84-08309-70-1	80	47.0
8	3.00	T/R Compound	2,500	11.50	3.00	84-08301-66-1	84-08309-66-1	80	55.0
10	3.00	Polyurethane	2,500	13.50	4.00	84-10301-60-1	84-10309-60-1	80	59.0
10	3.00	Phenolic Resin	2,500	13.50	4.00	84-10301-30-1	84-10309-30-1	80	46.0
10	3.00	Mold on Rubber	1,000	13.50	4.00	84-10301-70-1	84-10309-70-1	80	60.0
12	3.00	Polyurethane	2,500	15.50	4.00	84-12301-60-1	84-12309-60-1	80	67.0
12	3.00	Phenolic Resin	2,500	15.50	4.00	84-12301-30-1	84-12309-30-1	80	56.0
12	3.00	Mold on Rubber	1,150	15.50	4.00	84-12301-70-1	84-12309-70-1	80	65.0
12	3.00	T/R Compound	2,500	15.50	4.00	84-12301-66-1	84-12309-66-1	80	70.0
10	4.00	Polyurethane	3,800	13.50	4.00	94-10401-60-1	94-10409-60-1	90	70.0
10	4.00	Mold on Rubber	1,500	13.50	4.00	94-10401-70-1	94-10409-70-1	90	77.0
10	4.00	HD Polyurethane	3,800	13.50	4.00	94-10401-65-1	94-10409-65-1	90	79.0
12	4.00	Polyurethane	3,800	15.50	4.00	94-12401-65-1	94-12409-65-1	90	86.0
12	4.00	Mold on Rubber	1,600	15.50	4.00	94-12401-70-1	94-12409-70-1	90	86.0
12	4.00	T/R Compound	3,800	15.50	4.00	94-12401-66-1	94-12409-66-1	90	86.0

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

			
	Top Plate Size	Bolt Hole Spacing	Bolt Diameter
STD 34	4.0 x 4.5	2.625 x 3.625	0.375
STD 54	4.0 x 5.0	2.625 x 3.625 Slotted to 3.0 x 3.0	0.375
STD 64	4.5 x 6.25	2.438 x 4.938 Slotted to 3.375 x 5.25	0.5
STD 74	5.25 x 7.25	3.375 x 5.25 Slotted to 4.125 x 6.125	0.5
STD 84	6.0 x 7.5	4.5 x 6.0	0.5
STD 94	8.5 x 8.5	7.0 x 7.0	0.625



**CASTER CONCEPTS**

Beyond Standard.

# CASTERSHOX

## 1000 maximum capacity LBS

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## FEATURES

**Swivel Section:** Available in a standard kingpinless style swivel (51 Series) or a maintenance free kingpinless style swivel (57 Series)

**Legs:** 1/4" x 2" steel, formed and continuously welded on the inside and outside to the yoke base

**Wheels:** 6" to 8" diameter wheels are available with sealed precision ball bearings

**Finish:** Clear zinc plating

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## BENEFITS

The CasterShoX series are high performance caster products with a suspension system built directly into the wheel.

Fully compatible with legacy caster equipment, CasterShoX offers a cost effective means of implementing noise reduction, shock absorption and vibration attenuation into your material handling equipment. CasterShoX can reduce noise by as much as 15 dbA and shock loads by a factor of 5.

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## OPTIONS

### Brakes

Poly Lock: P\*  
Face Contact: F

### Swivel Locks

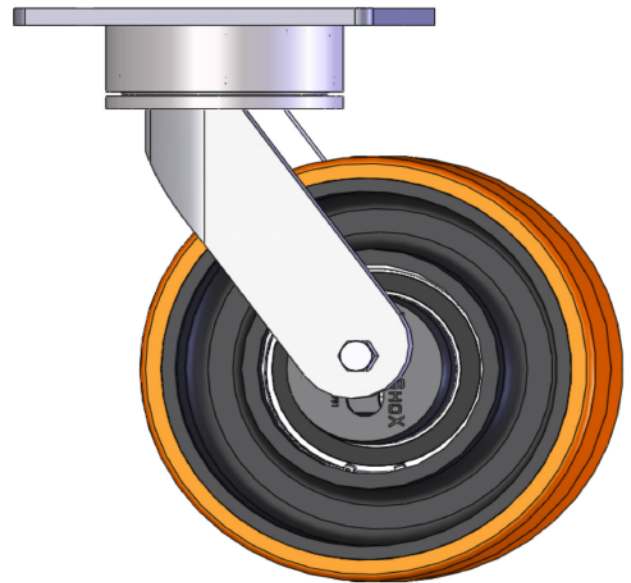
Factory Installed: L  
Demountable: DL  
Passive: PL

Sealed Swivel: SSW\*\*

Toe Guard: TG

\* For wheels with diameters  $\geq 6$  inches

\*\* Available in the 51 series, 57 series is presealed



57-08202-61-1XA7

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## APPLICATIONS

CasterShoX casters are ideal for instances where workplace safety relating to hearing conservation is a concern. CasterShoX casters have the ability to reduce workplace noise levels by as much as 15 dba. In addition, CasterShoXs work great for transporting fragile components, or meeting ergonomic requirements.



**CASTER CONCEPTS**  
Beyond Standard.

# CASTERSHOX

## 1000 maximum capacity LBS

WHEEL			CAPACITY				PART NUMBER			
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DIA	WIDTH	MATERIAL	SERIES	PRECISION BALL BEARING	OAH	SWIVEL LEAD	PRECISION BALL BEARING	WT.	SWIVEL RADIUS
6	2	T/R POLY	9	1000	8.00	3.00	51-06202-61-1XA9	9.57	6.08
6	2	T/R POLY	8	750	8.00	3.00	51-06202-61-1XA8	9.57	6.08
6	2	T/R POLY	7	400	8.00	3.00	51-06202-61-1XA7	9.57	6.08
6	2	T/R POLY	6	200	8.00	3.00	51-06202-61-1XA6	9.57	6.08
8	2	T/R POLY	9	1000	10.13	3.00	51-08202-61-1XA9	12.58	7.07
8	2	T/R POLY	8	750	10.13	3.00	51-08202-61-1XA8	12.58	7.07
8	2	T/R POLY	7	400	10.13	3.00	51-08202-61-1XA7	12.58	7.07
8	2	T/R POLY	6	200	10.13	3.00	51-08202-61-1XA6	12.58	7.07
6	2	T/R POLY	9	1000	8.50	2.75	57-06202-61-1XA9	11.57	6.08
6	2	T/R POLY	8	750	8.50	2.75	57-06202-61-1XA8	11.57	6.08
6	2	T/R POLY	7	400	8.50	2.75	57-06202-61-1XA7	11.57	6.08
6	2	T/R POLY	6	200	8.50	2.75	57-06202-61-1XA6	11.57	6.08
8	2	T/R POLY	9	1000	10.50	2.75	57-08202-61-1XA9	15.3	7.07
8	2	T/R POLY	8	750	10.50	2.75	57-08202-61-1XA8	15.3	7.07
8	2	T/R POLY	7	400	10.50	2.75	57-08202-61-1XA7	15.3	7.07
8	2	T/R POLY	6	200	10.50	2.75	57-08202-61-1XA6	15.3	7.07

Capacity listed is 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 (i.e. 51-08202-60-2XA7)  
 Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.  
 \* This caster has precision ball bearings.  
 All dimensions are in inches. All weights are in pounds.

### TOP PLATE FOR 57 SERIES

Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Std: 4.5 x 6.25	2.438 x 4.938 Slotted to 3.375 x 5.25	0.5
OT 70: 5.0 x 7.25	3.375 x 5.25 Slotted to 4.125 x 6.125	0.5

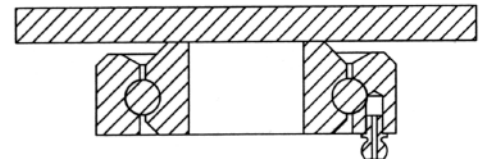
### TOP PLATE FOR 51 SERIES

Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Std: 4 x 5	2.625 x 3.625 Slotted to 3.0 x 3.0	0.375
OT 60: 4.5 x 6.25	2.438 x 4.938 Slotted to 4.125 x 6.125	0.5
OT 70: 5.0 x 7.25	3.375 x 5.25 Slotted to 4.125 x 6.125	0.5

57 Series Cross Sectional View



51 Series Cross Sectional View





**CASTER CONCEPTS**

Beyond Standard.

# PNEUMATIC WHEEL CASTERS

**7,260** maximum capacity  
**LBS**

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## FEATURES

The complete line of single or dual-wheel pneumatic casters offers load carrying capacities from 320 pounds to 7,260. The swivel sections are constructed of C-1045 hot forged steel with double row ball bearing swivels for long service life. The 80 Series and larger casters have tapered thrust bearings in the swivel. The legs are continuously welded both inside and outside for added strength.

**Standard:** Wheels 16" and larger are supplied with high-speed tapered bearings standard.

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## BENEFITS

These casters offer the greatest possible protection to both loads and floors. The pneumatic tires cushion the load and roll over obstructions with ease. These casters provide longer wheel life, less maintenance and high shock absorbency.

The long swivel offset aids in swiveling and tracking in towing applications. When the caster is subjected to towing, tapered bearings are recommended.

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## OPTIONS

### Brakes

Poly Cam: PP  
Face Contact: F

### Swivel Locks

Factory Installed: L  
Demountable: DL

### Sealed Swivel:

Consult Factory

### Toe Guard:

TG



61-12401-76-1 with optional PPCB brake

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## APPLICATIONS

Excellent shock absorbing benefits make these casters ideal for uneven floors and indoor and outdoor rough terrain. They are ideal on aircraft ground support equipment, helicopter dollies, roof maintenance equipment, mobile construction shelters, and other equipment carrying electronics or other highly sensitive materials.



Dual pneumatic casters supporting an aircraft wing dolly.










# CASTER CONCEPTS

Beyond Standard.

# PNEUMATIC WHEEL CASTERS

# 7,260 maximum capacity LBS

WHEEL		CAPACITY				PART NUMBER			
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Dia.	Size	Ply Rating	Capacity	OAH	Swivel Lead	Bearing	Series	Swivel Radius	Wt.
8	2.80/4	4	320	11.00	2.63	30-08301-76-1	30	6.79	13.0
8	2.80/4	4	320	11.00	2.63	50-08301-76-1	50	6.79	13.0
8	2.80/4	4	320	11.00	2.63	51-08301-76-1	51	6.79	13.0
8	2.80/4	4	320	11.00	2.63	60-08301-76-1	60	6.79	13.0
8	2.80/4	4	320	11.00	2.63	61-08301-76-1	61	6.79	13.0
10	4.10/4	4	530	13.00	3.25	30-10351-76-1	30	8.43	15.0
10	4.10/4	4	530	13.00	3.25	50-10351-76-1	50	8.43	15.0
10	4.10/4	4	530	13.00	3.25	51-10351-76-1	51	8.43	15.0
10	4.10/4	4	530	13.00	3.25	60-10351-76-1	60	8.43	15.0
10	4.10/4	4	530	13.00	3.25	61-10351-76-1	61	8.43	15.0
12	4.10/6	4	675	15.50	3.50	30-12401-76-1	30	9.71	18.0
12	4.10/6	4	675	15.50	3.50	50-12401-76-1	50	9.71	18.0
12	4.10/6	4	675	15.50	3.50	51-12401-76-1	51	9.71	18.0
12	4.10/6	4	675	15.50	3.50	60-12401-76-1	60	9.71	18.0
12	4.10/6	4	675	15.50	3.50	61-12401-76-1	61	9.71	18.0
14	5.30/6	4	710	17.75	4.00	70-14451-76-1	70	11.23	31.0
14	5.30/6	4	710	17.75	4.00	71-14451-76-1	71	11.23	31.0

DELUXE TYPE WITH TAPERED ROLLER WHEEL BEARINGS

16	4.80/8	6	1,230	19.13	4.50	70-16609-76-1	70	12.73	37.0
16	4.80/8	6	1,230	19.13	4.50	71-16609-76-1	71	12.73	37.0
16	4.80/8	6	1,230	19.13	4.00	80-16609-76-1	80	12.24	45.0
16	4.8/8	6	1,230	19.13	4.00	81-16609-76-1	81	12.24	45.0
18	5.70/8	6	1,560	21.50	4.50	80-18609-76-1	80	13.83	55.0
18	5.70/8	6	1,560	21.50	4.50	81-18609-76-1	81	13.83	55.0
18	5.70/8	8	1,655	21.50	4.50	80-18609-77-1	80	13.83	56.0
18	5.7/8	8	1,655	21.50	4.50	81-18609-77-1	81	13.83	56.0
21	6.90/9	10	2,420	24.25	5.00	90-21609-76-1	90	15.88	80.0
21	6.90/9	10	2,420	24.25	5.00	91-21609-76-1	91	15.88	80.0
23	6.50/10	10	2,775	26.25	5.00	90-23609-76-1	90	16.82	87.0
23	6.50/10	10	2,775	26.25	5.00	91-23609-76-1	91	16.82	87.0
25	7.50/10	10	3,630	28.75	5.00	90-25609-76-1	90	17.90	90.0
25	7.5/10	10	3,630	28.75	5.00	91-25609-76-1	91	17.90	90.0

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



# CASTER CONCEPTS

Beyond Standard.

# PNEUMATIC WHEEL CASTERS

# 7,260 maximum capacity LBS

WHEEL		CAPACITY			PART NUMBER			
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Dia.	Size	Ply Rating	Capacity	OAH	Swivel Lead	Bearing	Series
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**DUAL WHEEL PNEUMATIC CASTERS**

8	2.80/4	4	640	11.00	2.63	32-08301-76-1	30	20.0
8	2.80/4	4	640	11.00	2.63	2-51-08301-76-1	51	20.0
8	2.80/4	4	640	11.00	2.63	52-08301-76-1	50	20.0
8	2.80/4	4	640	11.00	2.63	2-61-08301-76-1	61	20.0
8	2.80/4	4	640	11.00	2.63	62-08301-76-1	60	20.0
10	4.10/4	4	900	13.00	3.25	32-10351-76-1	30	22.5
10	4.10/4	4	1,060	13.00	3.25	2-51-10351-76-1	51	22.5
10	4.10/4	4	1,060	13.00	3.25	52-10351-76-1	50	22.5
10	4.10/4	4	1,060	13.00	3.25	2-61-10351-76-1	61	22.5
10	4.10/4	4	1,060	13.00	3.25	62-10351-76-1	60	22.5
12	4.10/6	4	900	15.50	3.50	32-12401-76-1	30	30.0
12	4.10/6	4	1,350	15.50	3.50	2-51-12401-76-1	51	33.0
12	4.10/6	4	1,350	15.50	3.50	52-12401-76-1	50	33.0
12	4.10/6	4	1,350	15.50	3.50	2-61-12401-76-1	61	30.0
12	4.10/6	4	1,350	15.50	3.50	62-12401-76-1	60	30.0
12	4.10/6	4	1,350	15.50	4.00	2-71-12401-76-1	71	36.0
12	4.10/6	4	1,350	15.50	4.00	72-12401-76-1	70	36.0
14	5.30/6	4	1,420	17.75	4.00	2-71-14451-76-1	71	45.0
14	5.30/6	4	1,420	17.75	4.00	72-14451-76-1	70	45.0

**DUAL WHEEL DELUXE TYPE WITH TAPERED ROLLER WHEEL BEARINGS**

16	4.80/8	6	2,460	19.13	4.50	2-71-16609-76-1	71	55.0
16	4.80/8	6	2,460	19.13	4.50	72-16609-76-1	70	55.0
16	4.80/8	6	2,460	19.13	4.50	2-81-16609-76-1	81	71.0
16	4.80/8	6	2,460	19.13	4.50	82-16609-76-1	80	71.0
18	5.70/8	6	3,120	21.50	4.50	2-81-18609-76-1	81	82.0
18	5.70/8	6	3,120	21.50	4.50	82-18609-76-1	80	82.0
18	5.70/8	8	3,310	21.50	4.50	2-81-18609-77-1	81	84.0
18	5.70-8	8	3,310	21.50	4.50	82-18609-77-1	80	84.0
21	6.9/9	10	4,840	24.25	5.00	2-91-21609-76-1	91	130.0
21	6.90/9	10	4,840	24.25	5.00	92-21609-76-1	90	130.0
23	6.50/10	10	5,550	26.25	5.00	2-91-23609-76-1	91	135.0
23	6.50/10	10	5,550	26.25	5.00	92-23609-76-1	90	135.0
25	7.50/10	10	7,260	28.75	5.00	2-91-25609-76-1	91	142.0
25	7.50/10	10	7,260	28.75	5.00	92-25609-76-1	90	142.0






**CASTER CONCEPTS**

Beyond Standard.

**PNEUMATIC WHEEL CASTERS**

**7,260** maximum capacity  
**LBS**

**TOP PLATE INFORMATION**

	 <b>Top Plate Size</b>	 <b>Bolt Hole Spacing</b>	 <b>Bolt Diameter</b>
STD 30	4.0 x 4.5	2.625 x 3.625 Slotted to 3.0 x 3.0	0.375
STD 50	4.0 x 5.0	2.625 x 3.625 Slotted to 3.0 x 3.0	0.375
STD 51	4.0 x 5.0	2.625 x 3.625 Slotted to 3.0 x 3.0	0.375
STD 60	4.5 x 6.25	2.438 x 4.93 Slotted to 3.375 x 5.25	0.5
STD 61	4.5 x 6.25	2.438 x 4.93 Slotted to 3.375 x 5.25	0.5
STD 70	5.25 x 7.25	3.375 x 5.25 Slotted to 4.125 x 6.125	0.5
STD 71	5.0 x 7.25 x .38	3.375 x 5.25 Slotted to 4.125 x 6.125	0.5
STD 80	6.0 x 7.5	4.5 x 6.0	0.5
STD 81	6.25 x 7.63	4.5 x 6.0	0.5
STD 90	8.5 x 8.5	7.0 x 7.0	0.625
STD 91	8.5 x 8.5	7.0 x 7.0	0.625



**CASTER CONCEPTS**

# FLANGED WHEEL CASTERS

**10,000** maximum capacity  
LBS

## FEATURES

The flanged wheels are constructed of premium cast iron, ductile iron, or forged steel for high strength and long wear. These wheels are designed to operate on a steel track for minimal guidance and rolling effort.

The flanged wheel casters are rigid casters used for locating fixtures in a precise position for indexing through a work cycle.

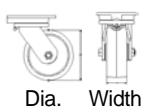


80-06209-18-2 shown

## APPLICATIONS

Applications include production lines, foundry cooling lines, mobile cranes, amusement parks, trollies, autoclave tooling, etc.

WHEEL	CAPACITY	PART NUMBER
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Tapered



Series



LBS

Single Flanged Rigid Casters									
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3.50	1.30	Cast Iron	1,000		5.38	50-03101-18-2		50	10.0
3.50	1.30	Cast Iron	1,000		5.38	60-03101-18-2		60	10.0
5.00	2.06	Forged Steel	6,000	10,000	8.00	80-05201-28-2	80-05209-28-2	80	30.0
5.00	2.06	Forged Steel	6,000	10,000	8.50	90-05201-28-2	90-05209-28-2	90	30.0
6.13	1.69	Cast Iron	3,000	3,500	8.06	70-06201-18-2	70-06209-18-2	70	36.0
6.13	1.69	Cast Iron	3,000	5,000	8.56	80-06201-18-2	80-06209-18-2	80	39.0
7.87	1.75	Cast Iron	2,500	2,500	10.06	65-08201-18-2	65-08209-18-2	65	29.0
7.87	1.75	Cast Iron	2,500	2,500	10.44	70-08201-18-2	70-08209-18-2	70	30.0
7.87	2.25	Cast Iron	3,500	3,500	10.44	70-07251-18-2	70-07259-18-2	70	30.0
7.87	2.25	Cast Iron	3,500	3,500	10.44	80-07251-18-2	80-07259-18-2	80	33.0
8.00	2.25	Cast Iron	3,500	3,500	10.50	70-08251-18-2	70-08259-18-2	70	34.0
8.00	2.25	Cast Iron	3,500	3,500	10.50	80-08251-18-2	80-08259-18-2	80	37.0
8.00	2.38	Steel	6,000	10,000	10.50	80-08201-28-2	80-08209-28-2	80	63.0
8.00	2.38	Steel	6,000	10,000	11.00	90-08201-28-2	90-08209-28-2	90	63.0
10.00	4.00	Ductile Iron		12,000	14.50		95-10409-18-2	95	150.0
15.00	2.50	Cast Iron	8,000		18.44	95-15251-18-2		95	

Dual Flanged Rigid Casters									
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5.00	1.69	Forged Steel	6,000	10,000	8.00	80-05201-29-2	80-05209-29-2	80	32.0
5.00	1.69	Forged Steel	6,000	10,000	8.50	90-05201-29-2	90-05209-29-2	90	32.0
6.00	2.13	Cast Iron	3,500	3,500	8.00	70-06201-19-2	70-06209-19-2	70	38.0
6.00	2.13	Cast Iron	5,000	6,000	8.50	80-06201-19-2	80-06209-19-2	80	41.0
8.00	1.76	Steel	6,000	10,000	10.50	80-08201-29-2	80-08209-29-2	80	65.0
8.00	1.76	Steel	6,000	10,000	11.00	90-08201-29-2	90-08209-29-2	90	65.0
10.00	3.00	Ductile Iron		12,000	14.50		95-10309-19-2	95	150.0

Capacity rating is for manual operation. For power operation, please consult the factory.  
All dimensions are in inches. All weights are in pounds.

For rail information and flanged wheel dimensions see page 54

	Top Plate Size	Bolt Hole Spacing	Bolt Diameter
STD 30	4.0 x 4.5	2.625 x 3.625 Slotted to 3.0 x 3.0	0.375
STD 50	4.0 x 5.0	2.625 x 3.625 Slotted to 3.0 x 3.0	0.375
STD 60	4.5 x 6.25	2.428 x 4.93 Slotted to 3.375 x 5.25	0.5
STD 70	5.0 x 7.25	3.375 x 5.25 Slotted to 4.125 x 6.125	0.5
STD 80	6.0 x 7.5	4.5 x 6.0	0.5
STD 90/91/95	8.5 x 8.5	7.0 x 7.0	0.625





**CASTER CONCEPTS**

# V-GROOVE WHEEL CASTERS

**15,000** maximum capacity  
LBS

## FEATURES

V-groove caster swivel sections are hot forged from C-1045 steel. The wheels are highly adaptable and can operate on angle iron track or on normal floor surfaces. A relief groove at the base of the "V" equalizes the load to each face of the angle track. In addition, all wheel faces and "V" grooves are machined concentric to the bore for proper tracking. The wheel bearings are either straight roller bearings or precision tapered roller bearings.

## APPLICATIONS

V-groove wheels are used for exceptionally heavy loads where precise alignment or indexing of equipment is necessary. These casters are capable of guiding industrial ovens, paint booths and other similar equipment.



80-10309-26-2 shown

WHEEL		CAPACITY				PART NUMBER				
Dia.	Width	Material	Roller Bearing	Tapered	OAH	Swivel Lead	Straight Roller	Precision Tapered	Series	Wt.
4	2.00	Cast Iron	1,000		5.63	1.50	50-04201-15-1		50	7.0
4	2.00	Cast Iron	1,000		5.63	1.50	60-04201-15-1		60	10.0
6	2.50	Cast Iron	2,000	2,000	7.50	2.50	65-06251-15-1	65-06259-15-1	65	23.0
6	2.50	Cast Iron	2,500	2,500	8.00	2.50	70-06251-15-1	70-06259-15-1	70	27.0
6	3.00	Forged Steel	5,000	5,000	8.50	2.50	80-06301-25-1	80-06309-25-1	80	45.0
6	3.00	Forged Steel	6,000	10,000	8.50	2.50	85-06301-25-1	85-06309-25-1	85	45.0
6	3.00	Forged Steel	6,000	10,000	9.00	2.25	90-06301-25-1	90-06309-25-1	90	60.0
6	3.00	Forged Steel		15,000	9.00	2.25		95-06309-26-1	95	50.0
8	2.50	Cast Iron	2,500	2,500	10.50	2.50	70-08251-15-1	70-08259-15-1	70	35.0
8	3.00	Cast Iron	2,000	2,000	10.13	2.50	65-08301-15-1	65-08309-15-1	65	36.0
8	3.00	Cast Iron	3,500	3,500	10.50	2.50	70-08301-15-1	70-08309-15-1	70	40.0
8	3.00	Forged Steel	3,500	3,500	10.50	2.50	70-08301-25-1	70-08309-25-1	70	33.0
8	3.00	Forged Steel	5,000	5,000	10.50	2.50	80-08301-25-1	80-08309-25-1	80	45.0
8	4.00	Forged Steel	5,000	5,000	10.50	2.50	80-08401-25-1	80-08409-25-1	80	55.0
8	4.00	Forged Steel	8,000	8,000	11.00	2.25	90-08401-25-1	90-08409-25-1	90	73.0
8	4.00	Forged Steel	8,400	10,000	10.50	2.50	85-08401-25-1	85-08409-25-1	85	55.0
8	4.00	Forged Steel	8,400	10,000	11.00	2.25	95-08401-25-1	95-08409-25-1	95	73.0
8	4.00	Forged Steel		15,000	11.00	2.25		95-08409-26-1	95	73.0
10	3.00	Cast Iron	3,500	3,500	12.50	2.50	70-10301-15-1	70-10309-15-1	70	45.0
10	3.00	Cast Iron	4,000	4,000	12.50	2.50	80-10301-16-1	80-10309-16-1	80	55.0
10	3.00	Cast Iron	4,000	4,000	13.00	2.50	90-10301-16-1	90-10309-16-1	90	65.0
10	3.00	Forged Steel	5,000	5,000	12.50	2.50	80-10301-26-1	80-10309-26-1	80	55.0
10	3.00	Forged Steel	6,000	6,000	12.50	2.50	85-10301-26-1	85-10309-26-1	85	53.0
10	3.00	Forged Steel	8,000	8,400	13.00	2.50	90-10301-26-1	90-10309-26-1	90	68.0
10	4.00	Forged Steel	5,000	5,000	12.50	2.50	80-10401-25-1	80-10409-25-1	80	74.0
10	4.00	Forged Steel	8,400	10,000	12.50	2.50	85-10401-25-1	85-10409-25-1	85	74.0
10	4.00	Forged Steel	8,000	8,000	13.00	2.50	90-10401-25-1	90-10409-25-1	90	89.0
10	4.00	Forged Steel	8,400	10,000	13.00	2.50	95-10401-25-1	95-10409-25-1	95	89.0
10	4.00	Forged Steel		15,000	13.00	2.50		95-10409-26-1	95	89.0
12	4.00	Ductile Iron	8,400	10,000	15.50	2.50	91-12401-16-1	91-12409-16-1	91	141.0
12	5.00	Ductile Iron	9,500	10,000	15.50	2.50	91-12501-16-1	91-12509-16-1	91	157.0

Capacity listed is for manual operation. For powered operations, consult factory.  
 Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. 95-10409-26-1-2)  
 Estimated weight is for swivel caster. Deduct 20 percent for rigid casters.  
 For specific V-groove dimensions, see page 52.  
 All dimensions are in inches. All weights are in pounds.

V-GROOVE CASTERS 15,000 lbs maximum capacity FLANGED WHEEL CASTERS 10,000 lbs maximum capacity



**CASTER CONCEPTS**

# V-GROOVE WHEELS

15,000 maximum capacity LBS

## FEATURES

- Bearings:** Roller, tapered, plain
- Temperature:** Maximum to 800° F with proper bearing and lubrication.
- Standard:** All 1-1/2" and 2" width wheels with 3/4" roller bearings are supplied with 1/2" spanner bushing.

## BENEFITS

V-groove wheels are constructed of premium G-3000 gray iron castings or hot forged C-1030 steel. The 90 degree grooves are accurately machined into the face of the wheels. A relief groove at the base of the "V" directs the load to each face of the angle track when in use. V-groove wheels can be used on a track, flat surface or both without fear of damage.

Exceptionally strong and ideal for heavy loads, the V-groove wheels are able to be machined out for keyway or various bore sizes.

Wheel material codes: Cast iron (15); heavy duty cast iron (16); forged steel (25); heavy duty forged steel (26)



06309-25-16 shown

## APPLICATIONS

Excellent for guided industrial applications, assembly lines, paint lines and material handling where precise alignment is necessary.

WHEEL		CAPACITY				PART NUMBER			
Dia.	Width	Hub Length	Bore	Width x Depth	Straight Roller	Precision Tapered	Less Bearing	Wt.	
4	2.00	1,000	2 3/16	7/8 x 7/16			04200-15-19	5.0	
4	2.00	1,000	2 3/16	7/8 x 7/16	04201-15-12			5.0	
6	2.00	1,000	2 3/16	7/8 x 7/16			06200-15-19	5.0	
6	2.00	1,000	2 3/16	7/8 x 7/16	06201-15-12			5.0	
6	2.50	2,500	3 1/4	7/8 x 7/16			06250-15-31	10.0	
6	2.50	2,500	3 1/4	7/8 x 7/16	06251-15-16			10.0	
6	2.50	2,500	3 1/4	7/8 x 7/16	06251-15-20			10.0	
6	2.50	2,500	3 1/2	7/8 x 7/16		06259-15-12		10.0	
6	3.00	15,000	3 1/4	1-3/8 x 11/16			06300-25-39	20.0	
6	3.00	6,000	3 1/4	1-3/8 x 11/16	06301-25-20			20.0	
6	3.00	6,000	3 1/4	1-3/8 x 11/16	06301-25-24			20.0	
6	3.00	10,000	3 1/2	1-3/8 x 11/16		06309-25-16		20.0	
6	3.00	10,000	3 1/2	1-3/8 x 11/16		06309-25-20		20.0	
6	3.00	15,000	3 1/4	1-3/8 x 11/16			06308-26-50	20.0	
6	3.00	15,000	3 1/2	1-3/8 x 11/16		06309-26-20		20.0	
6	3.00	15,000	3 1/2	1-3/8 x 11/16		06309-26-24		20.0	
8	2.50	2,500	3 1/4	7/8 x 7/16			08250-15-31	20.0	
8	2.50	2,500	3 1/4	7/8 x 7/16	08251-15-16			20.0	
8	2.50	2,500	3 1/4	7/8 x 7/16	08251-15-20			20.0	
8	2.50	2,500	3 1/2	7/8 x 7/16		08259-15-12		20.0	
8	3.00	4,000	3 1/4	7/8 x 7/16			08300-15-31	22.0	
8	3.00	4,000	3 1/4	7/8 x 7/16	08301-15-16			22.0	
8	3.00	4,000	3 1/4	7/8 x 7/16	08301-15-20			22.0	
8	3.00	4,000	3 1/2	7/8 x 7/16		08309-15-16		22.0	
8	3.00	4,000	3 1/2	7/8 x 7/16		08309-15-20		22.0	
8	3.00	4,500	3 1/4	1-3/8 x 11/16			08300-16-39	24.0	
8	3.00	4,500	3 1/4	1-3/8 x 11/16	08301-16-20			24.0	
8	3.00	4,500	3 1/4	1-3/8 x 11/16	08301-16-24			24.0	
8	3.00	4,500	3 1/2	1-3/8 x 11/16		08309-16-16		24.0	
8	3.00	4,500	3 1/2	1-3/8 x 11/16		08309-16-20		24.0	



**CASTER CONCEPTS**

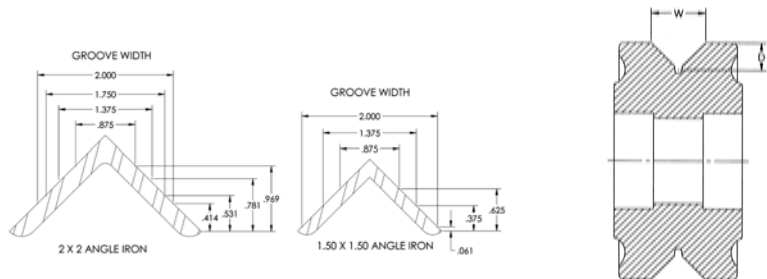
# V-GROOVE WHEELS

15,000 maximum capacity  
LBS

WHEEL CAPACITY					PART NUMBER				
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Dia.	Width	Hub Length	Bore	Width x Depth	Straight Roller	Tapered Roller	Less Bearing	Wt.			
8	3.00	5,000	3 1/4	1 15/16	7/8 x 7/16		08300-25-31	24.0			
8	3.00	5,000	3 1/4	1	7/8 x 7/16	08301-25-16		24.0			
8	3.00	5,000	3 1/4	1 1/4	7/8 x 7/16	08301-25-20		24.0			
8	3.00	5,000	3 1/2	3/4	7/8 x 7/16		08309-25-12	24.0			
8	3.00	5,000	3 1/2	1	7/8 x 7/16		08309-25-16	24.0			
8	4.00	8,400	4 1/4	2 7/16	1-3/4 x 7/8		08400-25-39	30.0			
8	4.00	8,400	4 1/4	1 1/4	1-3/4 x 7/8	08401-25-20		30.0			
8	4.00	8,400	4 1/4	1 1/2	1-3/4 x 7/8	08401-25-24		30.0			
8	4.00	10,000	4 1/2	1	1-3/4 x 7/8		08409-25-16	30.0			
8	4.00	10,000	4 1/2	1 1/4	1-3/4 x 7/8		08409-25-20	30.0			
8	4.00	15,000	4 1/4	3 1/8^	1-3/4 x 7/8		08408-26-50	31.0			
8	4.00	15,000	4 1/2	1 1/4	1-3/4 x 7/8		08409-26-20	31.0			
8	4.00	15,000	4 1/2	1 1/2	1-3/4 x 7/8		08409-26-24	31.0			
10	3.00	3,000	3 1/4	1 15/16	1-3/8 x 11/16		10300-15-31	25.0			
10	3.00	3,000	3 1/4	1	1-3/8 x 11/16	10301-15-16		25.0			
10	3.00	3,000	3 1/4	1 1/4	1-3/8 x 11/16	10301-15-20		25.0			
10	3.00	3,000	3 1/2	3/4	1-3/8 x 11/16		10309-15-12	25.0			
10	3.00	3,500	3 1/4	2 7/16	1-3/8 x 11/16		10300-16-39	25.0			
10	3.00	3,500	3 1/4	1 1/4	1-3/8 x 11/16	10301-16-20		25.0			
10	3.00	3,500	3 1/4	1 1/2	1-3/8 x 11/16	10301-16-24		25.0			
10	3.00	3,500	3 1/2	1	1-3/8 x 11/16		10309-16-16	25.0			
10	3.00	3,500	3 1/2	1 1/4	1-3/8 x 11/16		10309-16-20	25.0			
10	3.00	5,000	3 1/4	1 15/16	1-3/8 x 11/16		10300-25-31	27.0			
10	3.00	5,000	3 1/4	1	1-3/8 x 11/16	10301-25-16		27.0			
10	3.00	5,000	3 1/4	1 1/4	1-3/8 x 11/16	10301-25-20		27.0			
10	3.00	5,000	3 1/2	3/4	1-3/8 x 11/16		10309-25-12	27.0			
10	3.00	5,000	3 1/2	1	1-3/8 x 11/16		10309-25-16	27.0			
10	3.00	6,000	3 1/4	2 7/16	1-3/8 x 11/16		10300-26-39	27.0			
10	3.00	6,000	3 1/4	1 1/4	1-3/8 x 11/16	10301-26-20		27.0			
10	3.00	6,000	3 1/4	1 1/2	1-3/8 x 11/16	10301-26-24		27.0			
10	3.00	6,000	3 1/2	1	1-3/8 x 11/16		10309-26-16	27.0			
10	3.00	6,000	3 1/2	1 1/4	1-3/8 x 11/16		10309-26-20	27.0			
10	4.00	8,400	4 1/4	2 7/16	1-3/4 x 7/8		10400-25-39	48.0			
10	4.00	8,400	4 1/4	1 1/4	1-3/4 x 7/8	10401-25-20		48.0			
10	4.00	8,400	4 1/4	1 1/2	1-3/4 x 7/8	10401-25-24		48.0			
10	4.00	10,000	4 1/2	1	1-3/4 x 7/8		10409-25-16	48.0			
10	4.00	10,000	4 1/2	1 1/4	1-3/4 x 7/8		10409-25-20	48.0			
10	4.00	15,000	4 1/4	3 1/8^	1-3/4 x 7/8		10408-26-50	48.0			
10	4.00	15,000	4 1/2	1 1/4	1-3/4 x 7/8		10409-26-20	48.0			
10	4.00	15,000	4 1/2	1 1/2	1-3/4 x 7/8		10409-26-24	48.0			
12	5.00	9,500	5 1/4	1 1/4	2 x 1	12501-16-20*		110.0			
12	5.00	9,500	5 1/4	1 1/2	2 x 1	12501-16-24*		110.0			
12	5.00	12,000	5 1/2	1 1/4	2 x 1		12509-16-20*	110.0			
12	5.00	12,000	5 1/2	1 1/2	2 x 1		12509-16-24*	110.0			

Capacity listed is for manual operation.  
For powered operations, consult factory.  
^ Dimensions for tapered bearing bore.  
\* These wheels are ductile iron.  
All dimensions are in inches. All weights are in pounds.





**CASTER CONCEPTS**

# FLANGED WHEELS

**12,000** maximum capacity  
**LBS**

## FEATURES

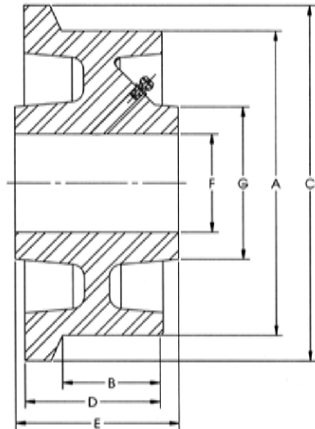
**Bearings:** Roller, tapered roller  
**Temperature:** Maximum to 800° with proper bearings and lubrication.  
**Standard:** All 1-1/2" and 2" width wheels with 3/4" roller bearing are supplied with 1/2" spanner bushing.

## BENEFITS

The flanged wheel is designed to operate on steel tracking to minimize guidance and rolling effort. These wheels are constructed of premium cast iron and steel for high strength and long wear. Various bore sizes are available for use with keyway or a variety of bearings.



06151-18-12 shown



## APPLICATIONS

Flanged wheels are excellent for precise alignment of work, captive turntables or repetitive processes, including foundry cooling lines.

WHEEL					FLANGE			CAPACITY		PART NUMBER					
Dia. A	Width B	Dia. C	Width D	Hub Length E	Bore F	Hub. Dia. G	Straight Roller	Precision Tapered	Less Bearing	Wt. LBS					
<b>SINGLE FLANGED WHEELS</b>															
3.50	1.31	4.50	1.69	1,000	1 15/16	3/4	2 1/8	03101-18-12			5.0				
3.50	1.31	4.50	1.69	1,000	1 15/16	1 3/16	2 1/8			03100-18-19	5.0				
4.00	2.00	5.25	3.00	5,000	3 1/2	1 1/4	2 1/2			04209-18-20	10.0				
4.00	2.00	5.25	3.00	5,000	3 1/2	1	2 1/2			04209-18-16	10.0				
4.50	2.25	5.50	3.00	5,000	3 1/4	2 7/16	2 1/2			04258-18-39	15.0				
4.50	2.25	5.50	3.00	5,000	3 1/2	1	3 3/4			04259-18-16	15.0				
4.50	2.25	5.50	3.00	5,000	3 1/2	1 1/4	3 3/4			04259-18-20	15.0				
4.50	2.25	5.50	3.00	5,000	3 1/4	1 15/16	3 3/4			04250-18-31	15.0				
4.50	2.25	5.50	3.00	4,000	3 1/4	1	3 3/4	04251-18-16			15.0				
4.50	2.25	5.50	3.00	4,000	3 1/4	1 1/4	3 3/4	04251-18-20			15.0				
5.00	2.06	6.00	2.69	6,000	3 1/4	1 1/4	3 7/8	05201-28-20			15.0				
5.00	2.06	6.00	2.69	6,000	3 1/4	1 1/2	3 7/8	05201-28-24			15.0				
5.00	2.06	6.00	2.69	10,000	3 1/4	2 7/16	3 7/8			05208-28-39	15.0				
5.00	2.06	6.00	2.69	10,000	3 1/2	1	3 7/8			05209-28-16	15.0				
5.00	2.06	6.00	2.69	10,000	3 1/2	1 1/4	3 7/8			05209-28-20	15.0				
6.00	1.63	6.75	2.00	900	2 3/16	1 3/16	1 3/4			06150-18-19	18.0				
6.00	1.63	6.75	2.00	900	2 3/16	3/4	1 3/4	06151-18-12			18.0				
6.13	1.69	7.00	2.13	5,000	2 3/4	1 15/16	3			06200-18-31	24.0				
6.13	1.69	7.00	2.13	4,000	2 3/4	1 1/4	3	06201-18-20			24.0				
6.13	1.69	7.00	2.13	5,000	3	3/4	3			06209-18-12	24.0				
6.13	1.69	7.00	2.13	5,000	3	1	3			06209-18-16	24.0				
6.00	2.00	7.00	2.75	3,500	3 1/4	1 15/16	3			06250-18-31	16.0				
6.00	2.00	7.00	2.75	3,500	3 1/4	1	3	06251-18-16			16.0				
6.00	2.00	7.00	2.75	3,500	3 1/4	1 1/4	3	06251-18-20			16.0				
6.00	2.00	7.00	2.75	3,500	3 1/2	3/4	3			06259-18-12	16.0				
6.00	2.00	7.00	2.75	3,500	3 1/2	1	3			06259-18-16	16.0				
7.87	2.25	9.25	2.75	3,500	3 1/4	2 7/16	3 3/4			07250-18-39	29.0				
7.87	2.25	9.25	2.75	3,500	3 1/4	1 1/4	3 3/4	07251-18-20			29.0				
7.87	2.25	9.25	2.75	3,500	3 1/4	1 1/2	3 3/4	07251-18-24			29.0				
7.87	2.25	9.25	2.75	3,500	3 1/2	1	3 3/4			07259-18-16	29.0				
7.87	2.25	9.25	2.75	3,500	3 1/2	1 1/4	3 3/4			07259-18-20	29.0				
7.87	1.75	8.63	2.25	3,000	2 1/2	1 3/16	2 7/8			08200-18-19	27.0				
7.87	1.75	8.63	2.25	3,000	2 1/2	1 15/16	2 7/8			08200-18-31	27.0				
7.87	1.75	8.63	2.25	3,000	2 1/2	3/4	2 7/8	08201-18-12			27.0				



**CASTER CONCEPTS**

# FLANGED WHEELS

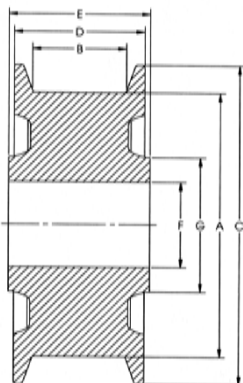
**12,000** maximum capacity  
**LBS**

WHEEL		FLANGE		CAPACITY	PART NUMBER						
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Dia. A	Width B	Dia. C	Width D	Hub Length E	Bore F	Hub. Dia. G	Straight Roller	Precision Tapered	Less Bearing	Wt.	
7.87	1.75	8.63	2.25	3,000	2 1/2	1	2 7/8	08201-18-16		27.0	
7.87	1.75	8.63	2.25	3,000	2 1/2	1 1/4	2 7/8	08201-18-20		27.0	
7.87	1.75	8.63	2.25	3,000	2 3/4	3/4	2 7/8		08209-18-12	27.0	
8.00	2.38	9.00	3.00	15,000	3 1/4	2 7/16	2 7/8			08200-28-39	48.0
8.00	2.38	9.00	3.00	6,000	3 1/4	1 1/4	5	08201-28-20		48.0	
8.00	2.38	9.00	3.00	6,000	3 1/4	1 1/2	5	08201-28-24		48.0	
8.00	2.38	9.00	3.00	10,000	3 1/2	1	5		08209-28-16	48.0	
8.00	2.38	9.00	3.00	10,000	3 1/2	1 1/4	5		08209-28-20	48.0	
8.00	2.25	9.50	3.00	3,500	3 1/4	2 7/16	3 3/4			08250-18-39	33.0
8.00	2.25	9.50	3.00	3,500	3 1/4	1 1/4	3 3/4	08251-18-20		33.0	
8.00	2.25	9.50	3.00	3,500	3 1/4	1 1/2	3 3/4	08251-18-24		33.0	
8.00	2.25	9.50	3.00	3,500	3 1/2	1	3 3/4		08259-18-16	33.0	
8.00	2.25	9.50	3.00	3,500	3 1/2	1 1/4	3 3/4		08259-18-20	33.0	
10.00	4.00	12.00	5.00	12,000	6	3 1/8	4 1/2			10408-18-50	90.0
10.00	4.00	12.00	5.00	12,000	6 1/4	1 1/4	4 1/2		10409-18-20	90.0	
10.00	4.00	12.00	5.00	12,000	6 1/4	1 1/2	4 1/2		10409-18-24	90.0	
14.88	2.56	16.88	3.38	8,000	4 1/4	2 7/16	4 1/2			15250-18-39	100.0
14.88	2.56	16.88	3.38	8,000	4 1/4	1 1/4	4 1/2	15251-18-20		100.0	
14.88	2.56	16.88	3.38	8,000	4 1/4	1 1/2	4 1/2	15251-18-24		100.0	
14.88	2.56	16.88	3.38	8,000	4 1/2	1	4 1/2		15259-18-16	100.0	
14.88	2.56	16.88	3.38	8,000	4 1/2	1 1/4	4 1/2		15259-18-20	100.0	

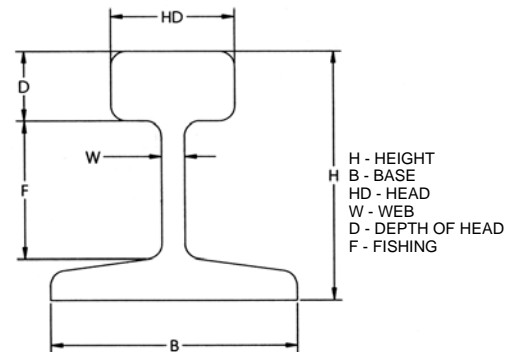
**DUAL FLANGED WHEELS**

5.00	1.69	6.00	3.00	10,000	3 1/4	2 7/16	3 7/8			05200-29-39	17.0
5.00	1.69	6.00	3.00	6,000	3 1/4	1 1/4	3 7/8	05201-29-20		17.0	
5.00	1.69	6.00	3.00	6,000	3 1/4	1 1/2	3 7/8	05201-29-24		17.0	
5.00	1.69	6.00	3.00	10,000	3 1/2	1	3 7/8		05209-29-16	17.0	
5.00	1.69	6.00	3.00	10,000	3 1/2	1 1/4	3 7/8		05209-29-20	17.0	
6.00	2.13	7.25	3.00	6,000	3 1/4	1 15/16	3			06200-19-31	26.0
6.00	2.13	7.25	3.00	5,000	3 1/4	1	3	06201-19-16		26.0	
6.00	2.13	7.25	3.00	5,000	3 1/4	1 1/4	3	06201-19-20		26.0	
6.00	2.13	7.25	3.00	5,000	3 1/2	3/4	3		06209-19-12	26.0	
6.00	2.13	7.25	3.00	6,000	3 1/2	1	3		06209-19-16	26.0	
8.00	1.76	9.00	3.00	15,000	3 1/4	2 7/16	5			08200-29-39	50.0
8.00	1.76	9.00	3.00	6,000	3 1/4	1 1/4	5	08201-29-20		50.0	
8.00	1.76	9.00	3.00	6,000	3 1/4	1 1/2	5	08201-29-24		50.0	
8.00	1.76	9.00	3.00	15,000	3 1/4	2 7/16	5			08208-29-39	50.0
8.00	1.76	9.00	3.00	10,000	3 1/2	1	5		08209-29-16	50.0	
8.00	1.76	9.00	3.00	10,000	3 1/2	1 1/4	5		08209-29-20	50.0	
10.00	3.00	12.00	5.00	12,000	6	3 1/8	4 1/2			10308-19-50	95.0
10.00	3.00	12.00	5.00	12,000	6 1/4	1 1/4	4 1/2		10309-19-20	95.0	
10.00	3.00	12.00	5.00	12,000	6 1/4	1 1/2	4 1/2		10309-19-24	95.0	



**RAIL SIZES**

WEIGHT LB/FT	H	B	HD	W	D	F
12	2	2	1	3/16	9/16	1-3/32
16	2-3/8	2-3/8	1-11/64	7/32	41/64	1-23/64
20	2-5/8	2-5/8	1-11/32	1/4	23/32	1-15/32
25	2-3/4	2-3/4	1-1/2	19/64	25/32	1-31/64
30	3-1/8	3-1/8	1-11/16	21/64	7/8	1-23/32
40	3-1/2	3-1/2	1-7/8	25/64	1-1/64	1-55/64
60	4-1/4	4-1/4	2-3/8	31/64	1-7/32	2-17/64
80	5	5	2-1/2	35/64	1-1/2	2-5/8
85	5-3/16	5-3/16	2-9/16	9/16	1-35/64	2-3/4
90	5-5/8	5-1/8	2-9/16	9/16	1-15/32	3-5/32
100	6	5-3/8	2-11/16	9/16	1-21/32	3-9/32



FLANGED WHEELS 12,000 lbs maximum capacity



**CASTER CONCEPTS**

# PREMIUM CAST IRON WHEELS

**15,000** maximum capacity  
LBS

## FEATURES

These cast iron wheels are constructed of premium Class 30 gray iron for maximum load capacity and impact strength. The wheels feature heavy cross section castings for heavy duty use, abrasion resistance and a long service life. Each wheel is precision machined with rounded edges to finished tolerances.

**Standard:** All 1-1/2" and 2" wide wheels with 3/4" roller bearings are supplied with 1/2" spanner standard.

## APPLICATIONS

Built for high capacity applications, the cast iron wheels can withstand extreme heat. Precision tapered bearings are available to complement the characteristics of the wheels.

## OPTIONS

Wheel material codes: cast iron (10); heavy duty cast iron (11); ductile iron (12).



08301-10-16 shown

WHEEL CAPACITY			PART NUMBER					
Dia	Width	Capacity	Hub Length	Bore	Straight Roller	Precision Tapered	Less Bearing	Wt.
3	1.25	450	1 1/2	3/8			03120-10-06	2.0
3.25	1.50	400	1 5/8	3/4	03151-10-12			3.4
3.25	1.50	400	1 5/8	5/8	03151-10-10			3.4
3.25	2.00	700	2 3/16	3/4	03201-10-12			3.4
4	1.50	600	1 11/16	1/2			04150-10-08	3.4
4	1.50	600	1 5/8	5/8	04151-10-10			3.4
4	2.00	1,000	2 3/16	1 3/16			04200-10-19	4.0
4	2.00	1,000	2 3/16	3/4	04201-10-12			4.0
4	3.00	2,000	3 1/4	1 15/16			04300-10-31	7.0
4	3.00	2,000	3 1/4	1	04301-10-16			7.0
4	3.00	2,000	3 1/4	1 1/4	04301-10-20			7.0
4	3.00	2,000	3 1/2	3/4		04309-10-12		7.0
4	4.00	4,000	4 1/4	2 7/16			04400-10-39	11.0
4	4.00	4,000	4 1/4	1 1/4	04401-10-20			11.0
4	4.00	4,000	4 1/2	1		04409-10-16		11.0
4	4.00	4,000	4 1/2	1 1/4		04409-10-20		11.0
5	1.50	600	1 5/8	3/4	05151-10-12			6.0
5	1.50	600	1 5/8	5/8	05151-10-10			6.0
5	2.00	1,500	2 3/16	1 3/16			05200-10-19	6.0
5	2.00	1,200	2 3/16	3/4	05201-10-12			6.0
5	2.00	1,200	2 3/16	5/8	05201-10-10			6.0
5	2.50	2,000	3 1/4	1 15/16			05250-10-31	7.5
5	2.50	2,000	3 1/4	1	05251-10-16			7.5
5	2.50	2,000	3 1/4	1 1/4	05251-10-20			7.5
5	2.50	2,000	3 1/2	3/4		05259-10-12		7.5
6	1.50	800	1 5/8	3/4	06151-10-12			6.8
6	1.50	800	1 5/8	5/8	06151-10-10			6.8
6	2.00	1,300	2 3/16	1 3/16			06200-10-19	6.8
6	2.00	1,300	2 3/16	3/4	06201-10-12			6.8
6	2.50	2,500	3 1/4	1 15/16			06250-10-31	12.0
6	2.50	2,500	3 1/4	1 1/4	06251-10-20			12.0
6	2.50	2,500	3 1/4	1	06251-10-16			12.0
6	2.50	2,500	3 1/2	3/4		06259-10-12		12.0
6	2.50	2,500	3 1/2	1		06259-10-16		12.0
6	3.00	2,500	3 1/4	1 15/16			06300-10-31	12.0
6	3.00	2,500	3 1/4	1	06301-10-16			12.0
6	3.00	2,500	3 1/4	1 1/4	06301-10-20			12.0
6	3.00	2,500	3 1/2	3/4		06309-10-12		12.0



**CASTER CONCEPTS**

# PREMIUM CAST IRON WHEELS

15,000 maximum capacity LBS

WHEEL		CAPACITY	PART NUMBER					
Dia	Width	Capacity	Hub Length	Bore	Straight Roller	Precision Tapered	Less Bearing	Wt.
6	3.00	2,500	3 1/2	1		06309-10-16		12.0
7	3.00	4,000	3 1/4	1 15/16			07300-10-31	27.0
7	3.00	4,000	3 1/4	1	07301-10-16			27.0
7	3.00	4,000	3 1/4	1 1/4	07301-10-20			27.0
7	3.00	4,000	3 1/2	3/4		07309-10-12		27.0
7	3.00	6,000	3 1/4	2 7/16			07300-11-39	27.0
7	3.00	6,000	3 1/4	1 1/4	07301-11-20			27.0
7	3.00	6,000	3 1/4	1 1/2	07301-11-24			27.0
7	3.00	6,000	3 1/2	1		07309-11-16		27.0
7	3.00	6,000	3 1/2	1 1/4		07309-11-20		27.0
8	2.00	1,500	2 1/5	1 3/16			08200-10-19	7.5
8	2.00	1,500	2 1/5	3/4	08201-10-12			7.5
8	2.00	1,500	2 1/5	5/8	08201-10-10			7.5
8	3.00	3,500	3 1/4	1 15/16			08300-10-31	15.0
8	3.00	3,500	3 1/4	1	08301-10-16			15.0
8	3.00	3,500	3 1/4	1 1/4	08301-10-20			15.0
8	3.00	4,500	3 1/2	3/4		08309-10-12		15.0
8	3.00	4,500	3 1/4	1 1/4	08301-11-20			25.0
8	3.00	4,500	3 1/2	1		08309-11-16		25.0
8	3.00	4,500	3 1/2	1 1/4		08309-11-20		25.0
8	4.00	5,000	4 1/4	2 7/16			08400-10-39	28.0
8	4.00	5,000	4 1/4	1 1/4	08401-10-20			28.0
8	4.00	5,000	4 1/2	1		08409-10-16		28.0
8	4.00	5,000	4 1/2	1 1/4		08409-10-20		28.0
10	3.00	3,500	3 1/4	1 15/16			10300-10-31	30.0
10	3.00	3,500	3 1/4	1	10301-10-16			30.0
10	3.00	3,500	3 1/4	1 1/4	10301-10-20			30.0
10	3.00	3,500	3 1/2	3/4		10309-10-12		30.0
10	3.00	3,500	3 1/2	1		10309-10-16		30.0
10	3.00	4,000	3 1/4	2 7/16			10300-11-39	30.0
10	3.00	4,000	3 1/4	1 1/4	10301-11-20			30.0
10	3.00	4,000	3 1/4	1 1/2	10301-11-24			30.0
10	3.00	4,000	3 1/2	1		10309-11-16		30.0
10	3.00	4,000	3 1/2	1 1/4		10309-11-20		30.0
10	4.00	6,000	4 1/4	2 7/16			10400-10-39	32.0
10	4.00	6,000	4 1/4	1 1/4	10401-10-20			32.0
10	4.00	6,000	4 1/2	1		10409-10-16		32.0
10	4.00	6,000	4 1/2	1 1/4		10409-10-20		32.0
12	2.50	2,500	3 1/4	1	12251-10-16			37.0
12	2.50	2,500	3 1/4	1 1/4	12251-10-20			37.0
12	3.00	3,000	3 1/4	1	12301-10-16			39.0
12	3.00	3,000	3 1/4	1 1/4	12301-10-20			39.0
12	3.00	3,000	3 1/2	3/4		12309-10-12		39.0
12	3.00	3,000	3 1/2	1		12309-10-16		39.0
12	4.00	7,500	4 1/4	1 1/4	12401-12-20*			53.0
12	4.00	7,500	4 1/4	2 7/16			12400-12-39*	53.0
12	4.00	7,500	4 1/4	1 1/2	12401-12-24*			53.0
12	4.00	7,500	4 1/2	1		12409-12-16*		53.0
12	4.00	7,500	4 1/2	1 1/4		12409-12-20*		53.0
12	5.00	10,000	5 1/4	1 1/4	12501-12-20*			98.0
12	5.00	10,000	5 1/4	1 1/2	12501-12-24*			98.0
12	5.00	15,000	5 1/2	1 1/4		12509-12-20*		98.0
12	5.00	15,000	5 1/2	1 1/2		12509-12-24*		98.0
12	6.00	10,000	6 1/2	1 1/4		12609-10-20		75.0
12	6.00	10,000	6 1/2	1 1/2		12609-10-24		75.0
14	4.00	7,000	4 1/4	1 1/4	14401-10-20			60.0
14	4.00	7,000	4 1/4	2 7/16			14400-10-39	60.0
14	4.00	7,000	4 1/2	1		14409-10-16		60.0
14	4.00	7,000	4 1/2	1 1/4		14409-10-20		60.0
16	3.00	3,000	3 1/4	1	16301-10-16			64.0
16	3.00	3,000	3 1/4	1 1/4	16301-10-20			64.0
16	3.00	3,000	3 1/2	1		16309-10-16		64.0
16	4.00	7,500	4 1/4	2 7/16			16400-10-39	72.0
16	4.00	7,500	4 1/4	1 1/4	16401-10-20			72.0
16	4.00	7,500	4 1/4	1 1/2	16401-10-24			72.0
16	4.00	7,500	4 1/2	1		16409-10-16		72.0
16	4.00	7,500	4 1/2	1 1/4		16409-10-20		72.0
16	4.00	7,500	4 1/2	1 1/2		16409-10-24		72.0

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

\* These wheels are cast ductile iron

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

PREMIUM CAST IRON WHEELS 15,000 lbs maximum capacity





**CASTER CONCEPTS**

# FORGED STEEL WHEELS

## 20,000 maximum capacity LBS

### FEATURES

- Bearings:** Roller, tapered, plain, Teflon
- Temperature:** Maximum to 800 degrees with proper bearings and lubrication.
- Standard:** All 1-1/2" and 2" wide wheels are supplied with 1/2" spanner standard.

### BENEFITS

Forged steel wheels are hot forged from high carbon steel billets heated to 2,400 degrees then repeatedly hit by high tonnage forging hammers. This process enhances the grain structure and increases the ductility and tensile strength (64000 psi) of the wheel. The wheels are then precision machined flat with rounded edged to finished tolerances.

Forged steel wheels offer the greatest load capacity, impact strength and rollability of all caster wheels. Wheel material codes: forged steel (20); heavy duty forged steel (21); ductile iron (12)



10409-21-20 shown

WHEEL		CAPACITY			PART NUMBER			
Dia.	Width	Hub Length	Bore	Straight Roller	Precision Tapered	Less Bearing	Wt.	
4	1.50	1,400	2 3/16	1 3/16		04100-20-19	3.25	
4	1.50	1,400	2 3/16	3/4	04101-20-12		3.25	
4	1.50	1,400	2 7/16	1/2		04109-20-08	3.25	
5	1.75	1,500	2 3/16	1 3/16		05200-20-19	5.25	
5	1.75	1,500	2 3/16	3/4	05201-20-12		5.25	
5	1.75	1,500	2 3/16	1 3/16		06200-20-19	5.25	
5	1.75	1,800	2 7/16	1/2		05209-20-08	5.25	
6	2.00	1,500	2 3/16	3/4	06201-20-12		6.25	
6	2.00	2,500	2 7/16	1/2		06209-20-08	6.25	
6	2.50	4,000	3 1/4	1 15/16		06250-20-31	12.00	
6	2.50	4,000	3 1/4	1 1/4	06251-20-20		12.00	
6	2.50	4,000	3 1/4	1	06251-20-16		12.00	
6	2.50	5,000	3 1/2	3/4		06259-20-12	12.00	
6	2.50	5,000	3 1/2	1		06259-20-16	12.00	
6	3.00	6,000	3 1/4	2 7/16		06300-20-39	20.00	
6	3.00	6,000	3 1/4	1 1/4	06301-20-20		20.00	
6	3.00	6,000	3 1/4	1 1/2	06301-20-24		20.00	
6	3.00	10,000	3 1/2	1 1/4		06309-20-20	21.00	
6	3.00	10,000	3 1/2	1		06309-20-16	21.00	
6	3.00	17,000	3 1/4	3 1/8^		06308-21-50	22.00	
6	3.00	17,000	3 1/2	1 1/4		06309-21-20	22.00	
6	3.00	17,000	3 1/2	1 1/2		06309-21-24	22.00	
8	2.50	4,000	3 1/4	1 15/16		08250-20-31	12.00	
8	2.50	4,000	3 1/4	1	08251-20-16		12.00	
8	2.50	4,000	3 1/4	1	08251-20-20		12.00	
8	2.50	5,000	3 1/2	3/4		08259-20-12	12.00	



**CASTER CONCEPTS**

# FORGED STEEL WHEELS

## 20,000 maximum capacity LBS

WHEEL		CAPACITY			PART NUMBER			
Dia.	Width	Hub Length	Bore	Straight Roller	Precision Tapered	Less Bearing	Wt.	
8	3.00	4,500	3 1/4	2		08300-20-31	18.50	
8	3.00	4,500	3 1/4	1	08301-20-16		18.50	
8	3.00	4,500	3 1/4	1 1/4	08301-20-20		18.50	
8	3.00	5,500	3 1/2	3/4		08309-20-12	18.50	
8	3.00	5,500	3 1/2	1		08309-20-16	18.50	
8	4.00	8,400	4 1/4	2 7/16		08400-20-39	37.00	
8	4.00	8,400	4 1/4	1 1/4	08401-20-20		37.00	
8	4.00	8,400	4 1/4	1 1/2	08401-20-24		37.00	
8	4.00	10,000	4 1/2	1		08409-20-16	37.00	
8	4.00	10,000	4 1/2	1 1/4		08409-20-20	37.00	
8	4.00	20,000	4 1/4	3 1/8^		08408-21-50	37.00	
8	4.00	20,000	4 1/2	1 1/4		08409-21-20	37.00	
8	4.00	20,000	4 1/2	1 1/2		08409-21-24	37.00	
10	3.00	5,000	3 1/4	1 15/16		10300-20-31	28.00	
10	3.00	5,000	3 1/4	1	10301-20-16		28.00	
10	3.00	5,000	3 1/4	1 1/4	10301-20-20		28.00	
10	3.00	6,000	3 1/2	3/4		10309-20-12	28.00	
10	3.00	6,000	3 1/2	1		10309-20-16	28.00	
10	3.00	6,000	3 1/4	2 7/16		10300-21-39	28.00	
10	3.00	6,000	3 1/4	1 1/4	10301-21-20		28.00	
10	3.00	6,000	3 1/4	1 1/2	10301-21-24		28.00	
10	3.00	6,500	3 1/2	1		10309-21-16	28.00	
10	3.00	6,500	3 1/2	1 1/4		10309-21-20	28.00	
10	4.00	8,400	4 1/4	2 7/16		10400-20-39	48.00	
10	4.00	8,400	4 1/4	1 1/4	10401-20-20		48.00	
10	4.00	8,400	4 1/4	1 1/2	10401-20-24		48.00	
10	4.00	10,000	4 1/2	1		10409-20-16	48.00	
10	4.00	10,000	4 1/2	1 1/4		10409-20-20	48.00	
10	4.00	20,000	4 1/4	3 1/8^		10408-21-50	48.00	
10	4.00	20,000	4 1/2	1 1/4		10409-21-20	48.00	
10	4.00	20,000	4 1/2	1 1/2		10409-21-24	48.00	
12	4.00	7,500	4 1/4	2 7/16		12400-12-39*	53.00	
12	4.00	7,500	4 1/4	1 1/4	12401-12-20*		53.00	
12	4.00	7,500	4 1/4	1 1/2	12401-12-24*		53.00	
12	4.00	7,500	4 1/2	1		12409-12-16*	53.00	
12	4.00	7,500	4 1/2	1 1/4		12409-12-20*	53.00	
12	5.00	10,000	5 1/4	1 1/4	12501-12-20*		98.00	
12	5.00	10,000	5 1/4	1 1/2	12401-12-24*		98.00	
12	5.00	10,000	5 1/2	1 1/4		12509-12-20*	98.00	
12	5.00	10,000	5 1/2	1 1/2		12509-12-24*	98.00	

^ Dimensions for tapered bearing bore.

\* These wheels are cast ductile iron

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

FORGED STEEL WHEELS 20,000 lbs maximum capacity



**CASTER CONCEPTS**

# PHENOLIC RESIN WHEELS

## 8,000 maximum capacity LBS

### FEATURES

**Bearings:** Precision ball, Delrin, straight roller and tapered  
**Standard:** All 1-1/2" and 2" wide wheels with 3/4" roller bearings are supplied with 1/2" spanner standard.

### BENEFITS

A wide selection of phenolic resin wheels are available in inventory. The wheels shown in the chart are laminated phenolic.

Laminated phenolic wheels (35) feature a continuous wound tread with a macerated canvas center. The wheels have a 40% higher impact resistance and carry up to 25% higher load than standard phenolic wheels. The continuous wrap process makes this wheel a longer wearing product that has a higher resistance to chipping and fraying.

High temperature phenolic wheels (32) provide continuous service up to 425° F and intermittently to 500° F.

Standard black phenolic wheels (30) feature macerated canvas duck compression molded with premium phenolic resins to produce a value/price relationship.



06201-30-12

### APPLICATIONS

Phenolic wheels are excellent for waste bins, platform trucks, heavy material handling, autoclaves, baking ovens, curing ovens and high temperature bakery applications.

WHEEL		CAPACITY			PART NUMBER			
Dia.	Width	Hub Length	Bore	Straight Roller	Precision Tapered	Ball Bearing	Wt.	
5	2.00	1,200	2 3/16	1/2		05204-35-08	2.25	
5	2.00	1,200	2 3/16	3/4	05201-35-12		2.25	
6	2.00	1,500	2 3/16	3/4	06201-35-12		3.00	
6	2.00	1,500	2 7/16	1/2		06204-35-08	3.00	
6	3.00	2,000	3 1/2	3/4		06302-35-12	5.00	
6	3.00	2,000	3 1/4	1	06301-35-16		5.00	
6	3.00	2,000	3 1/4	1 1/4	06301-35-20		5.00	
6	3.00	2,000	3 1/2	3/4		06309-35-12	5.00	
6	3.00	2,000	3 1/2	1		06309-35-16	5.00	
8	2.00	1,400	2 7/16	1/2		08204-35-08	4.00	
8	2.00	1,400	2 7/16	1/2	08201-35-12		4.00	
8	3.00	3,000	3 1/2	3/4		08302-35-12	7.00	
8	3.00	3,000	3 1/4	1	08301-35-16		7.00	
8	3.00	3,000	3 1/4	1 1/4	08301-35-20		7.00	
8	3.00	3,000	3 1/2	3/4		08309-35-12	7.00	
8	3.00	3,000	3 1/2	1		08309-35-16	7.00	
10	3.00	3,400	3 1/2	3/4		10302-35-12	9.75	
10	3.00	3,400	3 1/4	1	10301-35-16		9.75	
10	3.00	3,400	3 1/4	1 1/4	10301-35-20		9.75	
10	3.00	3,400	3 1/2	3/4		10309-35-12	9.75	
10	3.00	3,400	3 1/2	1		10309-35-16	9.75	
10	3.00	3,400	3 1/2	1 1/4		10309-35-20	9.75	
12	3.00	4,200	3 1/2	3/4		12302-35-12	13.00	
12	3.00	4,200	3 1/4	1	12301-35-16		13.00	
12	3.00	4,200	3 1/4	1 1/4	12301-35-20		13.00	
12	3.00	4,200	3 1/2	3/4		12309-35-12	13.00	

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

**PHENOLIC WHEELS ARE AVAILABLE IN DIAMETERS FROM 3" TO 18" AND CAPACITIES TO 8,000 LBS. PLEASE CONSULT THE FACTORY.**



## CASTER CONCEPTS

Beyond Standard.

# POLYURETHANE WHEELS

Caster Concepts has gained a reputation in the industry for application-oriented solutions to tough material handling and mobility problems. Establishing a market for custom and special casters and wheels has driven the need for developing expertise in engineering application solutions with a variety of premium urethane elastomers.

Caster Concepts, in partnership with leading producers of polyurethane prepolymers, is continually working to develop products for a wide range of customer specific needs. While there are standard “go to” products that work in a variety of applications, Caster Concepts is expanding its market reach by applying its application knowledge to solve tough performance applications in a variety of industries. Success in this area includes:

---

### T/R COMPOUND URETHANE WHEELS

This material produces a softer durometer wheel that resists the accumulation of metal chips, sheet metal screws, and foreign objects often found in manufacturing facilities. The high rebound of this material provides increased rollability in ergonomic in-plant applications, and has become a favorite in production line delivery systems across the country.

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### STANDARD POLYURETHANE

Caster Concepts' standard durometer 95A polyurethane is easily identified by its Maroon color. This material is economical, provides, lower rolling resistance than rubber wheels and are floor protective.

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### HIGH SPEED WHEELS

Caster Concepts has worked to develop a line of wheels that will withstand the rigors of higher loads and speeds found in today's lift truck industries. These wheels are able to dissipate the heat being generated through the load, the speed, or a combination of both.

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### ELASTOMERS

Processed in-house, elastomers provide flexibility in material choice, hardness, and finished size. Caster Concepts is adept at processing MDI polyesters, and TDI polyether and polyesters, in a wide range of durometers from 50 durometer shore A to 70 durometer shore D scale.



T/R Compound Ergonomic wheels, excellent for manual pushed loads up to 1,500 pounds per dolly.



95A durometer high load capacity economic floor protective wheel.



70D Durometer for heavy loads, floor protection and ease of movement.



High speed urethane offers performance under severe applications.

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**Consult factory for your toughest applications.**



**CASTER CONCEPTS**

Beyond Standard.

# POLYURETHANE WHEELS

## FEATURES

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### BEARINGS

#### SEALED PRECISION BALL

Precision ball bearings offer the lowest rolling resistance for ergonomic applications. These bearings are often referred to as “sealed for life” due to their being rubber seals on both sides. These bearings are capable of applications where towing up to 5 mph is present, please consult the factory.

#### ROLLER BEARING

These commercial bearings are used when a low cost anti-friction bearing is required, they provide excellent load carrying capacity, at an economical cost.

#### PRECISION TAPERED

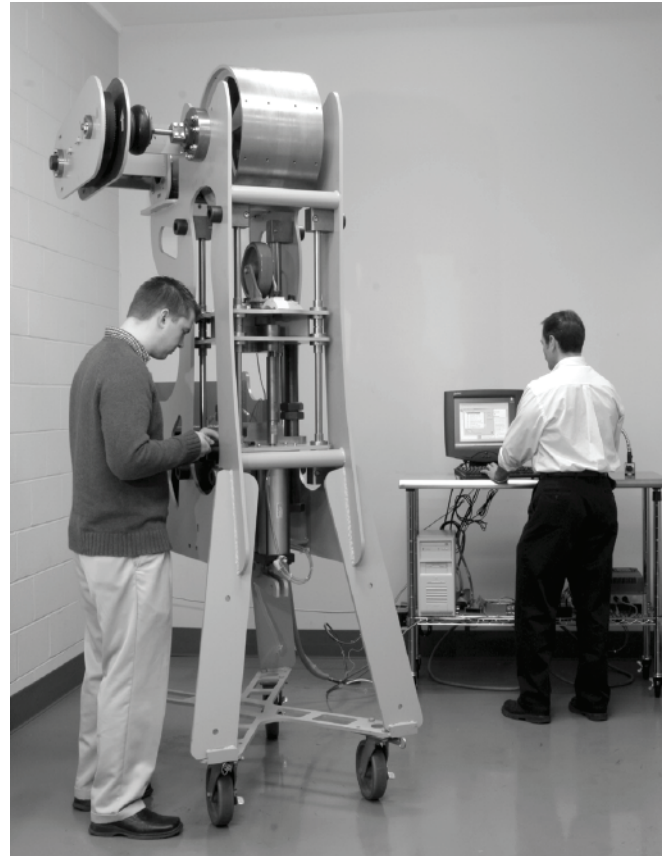
Tapered bearings are used in applications where towing and capacity are present. Tapered bearings do to their nature are adjusted tight at the factory to provide a preload thrust component to the wheel. Tapered bearings are not recommended for applications where there is a high amount of manual movement required.

#### DELRIN

Delrin bearings are a friction type bearing used in wet applications where light loads and infrequent movement is present.

#### OILITE

Oilite bearings offer a low cost friction bearing where heat, moisture, infrequent movement or lighter loads are part of the application.



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### TESTING

In-house test dynamometers, with sophisticated metering equipment, allow Caster Concepts to develop test parameters for product duty – life cycle profile testing and performance evaluations prior to delivery to the field.

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### METRIC WHEELS

The capability to control the production of wheels through design, production, product testing and final shipment, has driven Caster Concepts to design and develop a full line of metric wheels for replacement on equipment produced in Europe and Asia.

Metric wheel diameters available include:

50 mm	180 mm	230 mm
80 mm	200 mm	250 mm
125 mm	220 mm	300 mm









**CASTER CONCEPTS**

Beyond Standard.







**ERGONOMIC POLY WHEELS**

**3,600** maximum capacity  
**LBS**

**PRECISION BALL BEARINGS**

WHEEL		PART NO.	CAPACITY	PART NO.	CAPACITY	PART NO.	CAPACITY				
							 				
Dia.	Width	Hub Length	Bore	Ball Bearing	T/R Soft	Capacity	Std. Poly	Capacity	Hard Poly	Capacity	Wt.
4	2.00	2 7/16	1/2	Precision	04202-66-08	600	04202-65-08	750			3.0
5	2.00	2 7/16	1/2	Precision	05202-61-08	840	05202-60-08	1,050			3.0
6	2.00	2 7/16	1/2	Precision	06202-61-08	960	06202-60-08	1,200	06202-63-08	1,440	4.5
6	3.00	3 1/2	3/4	Precision	06302-61-12	1,640	06302-60-12	2,050	06302-63-12	2,460	9.5
8	2.00	2 7/16	1/2	Precision	08202-61-08	1,240	08202-60-08	1,550	08202-63-08	1,860	8.0
8	2.50	3 1/2	3/4	Precision	08252-61-12	1,640	08252-60-12	2,050			9.5
8	3.00	3 1/2	3/4	Precision	08302-61-12	2,000	08302-60-12	2,500	08302-63-12	3,000	12.5
8	3.00	3 1/2	1	Precision	08302-61-16	2,000	08302-60-16	2,500	08302-63-16	3,000	12.5
10	3.00	3 1/2	3/4	Precision	10302-61-12	2,400	10302-60-12	3,000	10302-63-12	3,600	16.0
10	3.00	3 1/2	1	Precision	10302-61-16	2,400	10302-60-16	3,000	10302-63-16	3,600	16.0
12	3.00	3 1/2	3/4	Precision	12302-61-12	2,800	12302-60-12	3,500			21.0
12	3.00	3 1/2	1	Precision	12302-61-16	2,800	12302-60-16	3,500			21.0
12	3.00	3 1/2	1 1/4	Precision	12302-61-20	2,800	12302-60-20	3,500			21.0

**ROUND TREAD ERGO WHEELS**

WHEEL		PART NO.	CAPACITY	PART NO.	CAPACITY	PART NO.	CAPACITY				
							 				
Dia.	Width	Hub Length	Bore	Bearing	T/R Soft	Capacity	Std. Poly	Capacity	Hard Poly	Capacity	Wt.
6	2.00	2 7/16	1/2	Precision	06202-51-08	800	06202-50-08	1,000	06202-53-08	1,200	4.0
8	2.00	2 7/16	1/2	Precision	08202-51-08	1,000	08202-50-08	1,240	08202-53-08	1,500	5.5
10	2.00	3 1/2	3/4	Precision	10202-61-08	1,250	10202-60-12	1,500			12.0
12	1.75	3 1/2	3/4	Precision	12172-61-08	1,500	12172-60-08	1,700			18.0







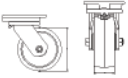
# CASTER CONCEPTS

Beyond Standard.

# STANDARD PROFILE POLY WHEELS

**5,040** maximum capacity  
**LBS**

WHEEL			PART NO.	CAPACITY	PART NO.	CAPACITY	PART NO.	CAPACITY	PART NO.	CAPACITY	PART NO.	CAPACITY
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Dia.	Width	Hub Length	Bore	Bearing	T/R Soft	Capacity	Std Poly	Capacity	Hard Poly	Capacity	HPPT	Capacity	Wt.
4	2.00	2 3/16	1 1/5		04200-61-19	600	04200-60-19	750	04200-63-19	900	04200-90-19	1100	3.0
4	2.00	2 3/16	3/4	Roller	04201-61-12	600	04201-60-12	750	04201-63-12	900	04201-90-12	1100	3.0
4	2.00	2 7/16	1/2	Tapered	04209-61-08	600	04209-60-08	750	04209-63-08	900	04209-90-08	1100	3.0
4	3.25	3 1/4	1 8/9		04320-61-31	1,020	04320-60-31	1,275	04320-63-31	1,530	04320-90-31	1750	5.0
4	3.25	3 1/4	1	Roller	04321-61-16	1,020	04321-60-16	1,275	04321-63-16	1,530	04321-90-16	1750	5.0
4	3.25	3 1/4	1 1/4	Roller	04321-61-20	1,020	04321-60-20	1,275	04321-63-20	1,530	04321-90-20	1750	5.0
4	3.25	3 1/2	3/4	Tapered	04329-61-12	1,020	04329-60-12	1,275	04329-63-12	1,530	04329-90-12	1750	5.0
4	3.25	3 1/2	1	Tapered	04329-61-16	1,020	04329-60-16	1,275	04329-63-16	1,530	04329-90-16	1750	5.0
4	4.00	4 1/4	2 4/9		04400-61-39	1,280	04400-60-39	1,600	04400-63-39	1,920	04400-90-39	2100	10.0
4	4.00	4 1/4	1 1/4	Roller	04401-61-20	1,280	04401-60-20	1,600	04401-63-20	1,920	04401-90-20	2100	10.0
4	4.00	4 1/4	1 1/2	Roller	04401-61-24	1,280	04401-60-24	1,600	04401-63-24	1,920	04401-90-24	2100	10.0
4	4.00	4 1/2	1	Tapered	04409-61-16	1,280	04409-60-16	1,600	04409-63-16	1,920	04409-90-16	2100	10.0
4	4.00	4 1/2	1 1/4	Tapered	04409-61-20	1,280	04409-60-20	1,600	04409-63-20	1,920	04409-90-20	2100	10.0
5	2.00	2 3/16	1 1/5		05200-61-19	840	05200-60-19	1,050	05200-63-19	1,260	05200-90-19	1300	3.0
5	2.00	2 3/16	3/4	Roller	05201-61-12	840	05201-60-12	1,050	05201-63-12	1,260	05201-90-12	1300	3.0
5	2.00	2 7/16	1/2	Tapered	05209-61-08	840	05209-60-08	1,050	05209-63-08	1,260	05209-90-08	1300	3.0
5	2.50	3 1/4	1 8/9		05250-61-31	1,060	05250-60-31	1,325	05250-63-31	1,590	05250-90-31	1600	7.0
5	2.50	3 1/4	1	Roller	05251-61-16	1,060	05251-60-16	1,325	05251-63-16	1,590	05251-90-16	1600	7.0
5	2.50	3 1/4	1 1/4	Roller	05251-61-20	1,060	05251-60-20	1,325	05251-63-20	1,590	05251-90-20	1600	7.0
5	2.50	3 1/2	3/4	Tapered	05259-61-12	1,060	05259-60-12	1,325	05259-63-12	1,590	05259-90-12	1600	7.0
5	2.50	3 1/2	1	Tapered	05259-61-16	1,060	05259-60-16	1,325	05259-63-16	1,590	05259-90-16	1600	7.0
5	3.00	3 1/4	1 8/9		05300-61-31	1,225	05300-60-31	1,530	05300-63-31	1,836	05300-90-31	1950	9.0
5	3.00	3 1/4	1	Roller	05301-61-16	1,225	05301-60-20	1,530	05301-63-20	1,836	05301-90-16	1950	9.0
5	3.00	3 1/4	1 1/4	Roller	05301-61-20	1,225	05301-60-20	1,530	05301-63-20	1,836	05301-90-20	1950	9.0
5	3.00	3 1/4	3/4	Tapered	05309-61-12	1,225	05309-60-12	1,530	05309-60-12	1,836	05309-90-12	1950	9.0
5	3.00	3 1/4	1	Tapered	05309-61-16	1,225	05309-60-16	1,530	05309-60-16	1,836	05309-90-16	1950	9.0
6	2.00	2 3/16	1 1/5		06200-61-19	960	06200-60-19	1,200	06200-63-19	1,440	06200-90-19	1525	4.5
6	2.00	2 3/16	3/4	Roller	06201-61-12	960	06201-60-12	1,200	06201-63-12	1,440	06201-90-12	1525	4.5
6	2.00	2 7/16	1/2	Tapered	06209-61-08	960	06209-60-08	1,200	06209-63-08	1,440	06209-90-08	1525	4.5
6	2.00	2 7/16	3/4	Tapered	06209-61-12	960	06209-60-12	1,200	06209-63-12	1,440	06209-90-12	1525	4.5
6	2.50	3 1/4	1 8/9		06250-61-31	1,300	06250-60-31	1,625	06250-63-31	1,950	06250-90-31	1925	6.5
6	2.50	3 1/4	1	Roller	06251-61-16	1,300	06251-60-16	1,625	06251-63-16	1,950	06251-90-16	1925	6.5
6	2.50	3 1/4	1 1/4	Roller	06251-61-20	1,300	06251-60-20	1,625	06251-63-20	1,950	06251-90-20	1925	6.5
6	2.50	3 1/2	3/4	Tapered	06259-61-12	1,300	06259-60-12	1,625	06259-63-12	1,950	06259-90-12	1925	6.5
6	2.50	3 1/2	1	Tapered	06259-61-16	1,300	06259-60-16	1,625	06259-63-16	1,950	06259-90-16	1925	6.5
6	3.00	3 1/4	1 8/9		06300-61-31	1,640	06300-60-31	2,050	06300-63-31	2,460	06300-90-31	2300	9.5
6	3.00	3 1/4	1	Roller	06301-61-16	1,640	06301-60-16	2,050	06301-63-16	2,460	06301-90-16	2300	9.5
6	3.00	3 1/4	1 1/4	Roller	06301-61-20	1,640	06301-60-20	2,050	06301-63-20	2,460	06301-90-20	2300	9.5
6	3.00	3 1/2	3/4	Tapered	06309-61-12	1,640	06309-60-12	2,050	06309-63-12	2,460	06309-90-12	2300	9.5
6	3.00	3 1/2	1	Tapered	06309-61-16	1,640	06309-60-16	2,050	06309-63-16	2,460	06309-90-16	2300	9.5
6	3.00	3 1/2	1 1/4	Tapered	06309-61-20	1,640	06309-60-20	2,050	06309-63-20	2,460	06309-90-20	2300	9.5
8	2.00	2 3/16	1 1/5		08200-61-19	1,240	08200-60-19	1,550	08200-63-19	1,860	08200-90-19	2050	8.0
8	2.00	2 3/16	3/4	Roller	08201-61-12	1,240	08201-60-12	1,550	08201-63-12	1,860	08201-90-12	2050	8.0
8	2.00	2 7/16	1/2	Tapered	08209-61-12	1,240	08209-60-12	1,550	08209-63-12	1,860	08209-90-12	2050	8.0
8	2.50	3 1/4	1 8/9		08250-61-31	1,640	08250-60-31	2,050	08250-63-31	2,460	08250-90-31	2575	9.5
8	2.50	3 1/4	1	Roller	08251-61-16	1,640	08251-60-16	2,050	08251-63-16	2,460	08251-90-16	2575	9.5
8	2.50	3 1/4	1 1/4	Roller	08251-61-20	1,640	08251-60-20	2,050	08251-63-20	2,460	08251-90-20	2575	9.5
8	2.50	3 1/2	3/4	Tapered	08259-61-12	1,640	08259-60-12	2,050	08259-63-12	2,460	08259-90-12	2575	9.5
8	2.50	3 1/2	1	Tapered	08259-61-16	1,640	08259-60-16	2,050	08259-63-16	2,460	08259-90-16	2575	9.5
8	3.00	3 1/4	1 8/9		08300-61-31	2,000	08300-60-31	2,500	08300-63-31	3,000	08300-90-31	3100	12.5
8	3.00	3 1/4	1	Roller	08301-61-16	2,000	08301-60-16	2,500	08301-63-16	3,000	08301-90-16	3100	12.5
8	3.00	3 1/4	1 1/4	Roller	08301-61-20	2,000	08301-60-20	2,500	08301-63-20	3,000	08301-90-20	3100	12.5
8	3.00	3 1/2	3/4	Tapered	08309-61-12	2,000	08309-60-12	2,500	08309-63-12	3,000	08309-90-12	3100	12.5
8	3.00	3 1/2	1	Tapered	08309-61-16	2,000	08309-60-16	2,500	08309-63-16	3,000	08309-90-16	3100	12.5
8	3.00	3 1/2	1 1/4	Tapered	08309-61-20	2,000	08309-60-20	2,500	08309-63-20	3,000	08309-90-20	3100	12.5
8	4.00	4 1/4	2 4/9		08400-61-39	3,040	08400-60-39	3,800	08400-63-39	4,560	08400-90-39	4100	20.0
8	4.00	4 1/4	1 1/4	Roller	08401-61-20	3,040	08401-60-20	3,800	08401-63-20	4,560	08401-90-20	4100	20.0





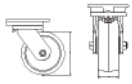
# CASTER CONCEPTS

Beyond Standard.

# STANDARD PROFILE POLY WHEELS

**5,040** maximum capacity LBS

WHEEL				PART NO.	CAPACITY	PART NO.	CAPACITY	PART NO.	CAPACITY	PART NO.	CAPACITY
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Dia.	Width	Hub Length	Bore	Bearing	T/R Soft	Capacity	Std Poly	Capacity	Hard Poly	Capacity	HPPT	Capacity	Wt.
8	4.00	4 1/4	1 1/2	Roller	08401-61-24	3,040	08401-60-24	3,800	08401-63-24	4,560	08401-90-24	4100	20.0
8	4.00	4 1/2	1	Tapered	08409-61-16	3,040	08409-60-16	3,800	08409-63-16	4,560	08409-90-16	4100	20.0
8	4.00	4 1/2	1 1/4	Tapered	08409-61-20	3,040	08409-60-20	3,800	08409-63-20	4,560	08409-90-20	4100	20.0
10	3.00	3 1/4	1 8/9		10300-61-31	2,400	10300-60-31	3,000	10300-63-31	3,600	10300-90-31	3450	16.0
10	3.00	3 1/4	1	Roller	10301-61-16	2,400	10301-60-16	3,000	10301-63-16	3,600	10301-90-16	3450	16.0
10	3.00	3 1/4	1 1/4	Roller	10301-61-20	2,400	10301-60-20	3,000	10301-63-20	3,600	10301-90-20	3450	16.0
10	3.00	3 1/2	3/4	Tapered	10309-61-12	2,400	10309-60-12	3,000	10309-63-12	3,600	10309-90-12	3450	16.0
10	3.00	3 1/2	1	Tapered	10309-61-16	2,400	10309-60-16	3,000	10309-63-16	3,600	10309-90-16	3450	16.0
10	3.00	3 1/2	1 1/4	Tapered	10309-61-20	2,400	10309-60-20	3,000	10309-63-20	3,600	10309-90-20	3450	16.0
10	4.00	4 1/4	2 4/9		10400-61-39	3,360	10400-60-39	4,200	10400-63-39	5,040	10400-90-39	4600	23.0
10	4.00	4 1/4	1 1/4	Roller	10401-61-20	3,360	10401-60-20	4,200	10401-63-20	5,040	10401-90-20	4600	23.0
10	4.00	4 1/4	1 1/2	Roller	10401-61-24	3,360	10401-60-24	4,200	10401-63-24	5,040	10401-90-24	4600	23.0
10	4.00	4 1/2	1	Tapered	10409-61-16	3,360	10409-60-16	4,200	10409-63-16	5,040	10409-90-16	4600	23.0
10	4.00	4 1/2	1 1/4	Tapered	10409-61-20	3,360	10409-60-20	4,200	10409-63-20	5,040	10409-90-20	4600	23.0
12	3.00	3 1/4	1 8/9		12300-61-31	2,800	12300-60-31	3,500	12300-63-31	4,200	12300-90-31	3800	21.0
12	3.00	3 1/4	1	Roller	12301-61-16	2,800	12301-60-16	3,500	12301-63-16	4,200	12301-90-16	3800	21.0
12	3.00	3 1/4	1 1/4	Roller	12301-61-20	2,800	12301-60-20	3,500	12301-63-20	4,200	12301-90-20	3800	21.0
12	3.00	3 1/2	3/4	Tapered	12309-61-12	2,800	12309-60-12	3,500	12309-63-12	4,200	12309-90-12	3800	21.0
12	3.00	3 1/2	1	Tapered	12309-61-16	2,800	12309-60-16	3,500	12309-63-16	4,200	12309-90-16	3800	21.0
12	3.00	3 1/2	1 1/4	Tapered	12309-61-20	2,800	12309-60-20	3,500	12309-63-20	4,200	12309-90-20	3800	21.0



Conveyor transmission drive wheel










# CASTER CONCEPTS

Beyond Standard.

# HIGH PROFILE POLY WHEELS

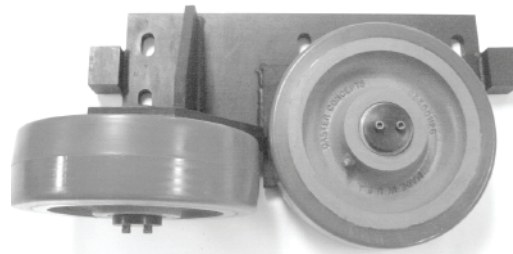
# 11,250 maximum capacity LBS

1" THICK TIRES

WHEEL				PART NO.		CAPACITY		PART NO.		CAPACITY		PART NO.		CAPACITY	
															
Dia.	Width	Hub Length	Bore	Bearing	T/R Soft	Capacity	Std Poly	Capacity	Hard Poly	Capacity	HPPT	Capacity	Wt.		
4	2	2 7/16		Precision	04202-66-08	600	04202-65-08	900	04202-67-08	1,200	04202-95-08	1400			
6	3	3 1/4	1 15/16		06300-66-31	2,050	06300-65-31	2,450	06300-67-31	2,950	06300-95-31	3600	9.5		
6	3	3 1/4	1	Roller	06301-66-16	2,050	06301-65-16	2,450	06301-67-16	2,950	06301-95-16	3600	9.5		
6	3	3 1/4	1 1/4	Roller	06301-66-20	2,050	06301-65-20	2,450	06301-67-20	2,950	06301-95-20	3600	9.5		
6	3	3 1/2	4-Mar	Tapered	06309-66-12	2,050	06309-65-12	2,450	06309-67-12	2,950	06309-95-12	3600	9.5		
6	3	3 1/2	1	Tapered	06309-66-16	2,050	06309-65-16	2,450	06309-67-16	2,950	06309-95-16	3600	9.5		
6	4	4 1/4	2 7/16		06400-66-39	2,400	06400-65-39	3,000	06400-67-39	3,600	06400-95-39	4600	17		
6	4	4 1/4	1 1/4	Roller	06401-66-20	2,400	06401-65-20	3,000	06401-67-20	3,600	06401-95-20	4600	17		
6	4	4 1/4	1 1/2	Roller	06401-66-24	2,400	06401-65-24	3,000	06401-67-24	3,600	06401-95-24	4600	17		
6	4	4 1/2	1	Tapered	06409-66-16	2,400	06409-65-16	3,000	06409-67-16	3,600	06409-95-16	4600	17		
6	4	4 1/2	1 1/4	Tapered	06409-66-20	2,400	06409-65-20	3,000	06409-67-20	3,600	06409-95-20	4600	17		
6	5	5 1/4	2 7/16		06500-66-39	2,960	06500-65-39	3,700	06500-67-39	4,400	06500-95-39	5800	20		
6	5	5 1/4	1 1/4	Roller	06501-66-20	2,960	06501-65-20	3,700	06501-67-20	4,400	06501-95-20	5800	20		
6	5	5 1/4	1 1/2	Roller	06501-66-24	2,960	06501-65-24	3,700	06501-67-24	4,400	06501-95-24	5800	20		
6	5	5 1/2	1	Tapered	06509-66-16	2,960	06509-65-16	3,700	06509-67-16	4,400	06509-95-16	5800	20		
6	5	5 1/2	1 1/4	Tapered	06509-66-20	2,960	06509-65-20	3,700	06509-67-20	4,400	06509-95-20	5800	20		
8	3	3 1/4	1 15/16		08300-66-31	2,480	08300-65-31	3,100	08300-67-31	3,500	08300-95-31	4300	17		
8	3	3 1/4	1	Roller	08301-66-16	2,480	08301-65-16	3,100	08301-67-16	3,500	08301-95-16	4300	17		
8	3	3 1/4	1 1/4	Roller	08301-66-20	2,480	08301-65-20	3,100	08301-67-20	3,500	08301-95-20	4300	17		
8	3	3 1/2	4-Mar	Tapered	08309-66-12	2,480	08309-65-12	3,100	08309-67-12	3,500	08309-95-12	4300	17		
8	3	3 1/2	1	Tapered	08309-66-16	2,480	08309-65-16	3,100	08309-67-16	3,500	08309-95-16	4300	17		
10	3	3 1/4	2 7/16		10300-69-39	2,960	10300-68-39	3,700	10300-67-39	4,440	10300-98-39	4800	24		
10	3	3 1/4	1 15/16		10300-66-31	2,960	10300-65-31	3,700	10300-67-31	4,400	10300-95-31	4800	24		
10	3	3 1/4	1	Roller	10301-66-16	2,960	10301-65-16	3,700	10301-67-16	4,400	10301-95-16	4800	24		
10	3	3 1/4	1 1/4	Roller	10301-66-20	2,960	10301-65-20	3,700	10301-67-20	4,400	10301-95-20	4800	24		
10	3	3 1/4	1 1/2	Roller	10301-69-24	2,960	10301-68-24	3,700	10301-67-24	4,400	10301-98-24	4800	24		
10	3	3 1/2	4-Mar	Tapered	10309-66-12	2,960	10309-65-12	3,700	10309-67-12	4,440	10309-95-12	4800	24		
10	3	3 1/2	1	Tapered	10309-66-16	2,960	10309-65-16	3,700	10309-67-16	4,440	10309-95-16	4800	24		
10	3	3 1/2	1 1/4	Tapered	10309-69-20	2,960	10309-68-20	3,700	10309-67-20	4,440	10309-98-20	4800	24		
10	4	4 1/4	2 7/16		10400-66-39	4,000	10400-65-39	5,000	10400-67-39	6,000	10400-95-39	6500	33		
10	4	4 1/4	1 1/4	Roller	10401-66-20	4,000	10401-65-20	5,000	10401-67-20	6,000	10401-95-20	6500	33		
10	4	4 1/4	1 1/2	Roller	10401-66-24	4,000	10401-65-24	5,000	10401-67-24	6,000	10401-95-24	6500	33		
10	4	4 1/2	1	Tapered	10409-66-16	4,000	10409-65-16	5,000	10409-67-16	6,000	10409-95-16	6500	33		
10	4	4 1/2	1 1/4	Tapered	10409-66-20	4,000	10409-65-20	5,000	10409-67-20	6,000	10409-95-20	6500	33		
10	5	5 1/4	2 7/16		10500-66-39	4,800	10500-65-39	6,000	10500-67-39	7,200	10500-95-39	7900	45		
10	5	5 1/4	1 1/4	Roller	10501-66-20	4,800	10501-65-20	6,000	10501-67-20	7,200	10501-95-20	7900	45		
12	3	3 1/4	2 7/16		12300-66-39	3,080	12300-65-39	3,850	12300-67-39	4,620	12300-95-39	5250	24		
12	3	3 1/4	1 1/4	Roller	12301-66-20	3,080	12301-65-20	3,850	12301-67-20	4,620	12301-95-20	5250	24		
12	3	3 1/4	1 1/2	Roller	12301-66-24	3,080	12301-65-24	3,850	12301-67-24	4,620	12301-95-24	5250	24		
12	3	3 1/2	1	Tapered	12309-66-16	3,080	12309-65-16	3,850	12309-67-16	4,620	12309-95-16	5250	24		
12	3	3 1/2	1 1/4	Tapered	12309-66-20	3,080	12309-65-20	3,850	12309-67-20	4,620	12309-95-20	5250	24		



T/R Compound used as Skid Drive wheels



Value Added: Complete Vertical Drop Lift Elevator guide wheel assembly










# CASTER CONCEPTS

Beyond Standard.

# HIGH PROFILE POLY WHEELS

**11,250** maximum capacity  
**LBS**

**1" THICK TIRES**

WHEEL				PART NO.	CAPACITY	PART NO.	CAPACITY	PART NO.	CAPACITY	PART NO.	CAPACITY	PART NO.	CAPACITY
													
Dia.	Width	Hub Length	Bore	Bearing	T/R Soft	Capacity	Std Poly	Capacity	Hard Poly	Capacity	HPPT	Capacity	Wt.
12	4	4 1/4	2 7/16		12400-66-39	4,400	12400-65-39	5,500	12400-67-39	6,600	12400-95-39	7000	30
12	4	4 1/4	1 1/4	Roller	12401-66-20	4,400	12401-65-20	5,500	12401-67-20	6,600	12401-95-20	7000	30
12	4	4 1/4	1 1/2	Roller	12401-66-24	4,400	12401-65-24	5,500	12401-67-24	6,600	12401-95-24	7000	30
12	4	4 1/2	1	Tapered	12409-66-16	4,400	12409-65-16	5,500	12409-67-16	6,600	12409-95-16	7000	30
12	4	4 1/2	1 1/4	Tapered	12409-66-20	4,400	12409-65-20	5,500	12409-67-20	6,600	12409-95-20	7000	30
12	5	5 1/4	2 7/16		12500-66-39	5,200	12500-65-39	6,500	12500-67-39	7,800	12500-95-39	8400	45
12	5	5 1/4	1 1/4	Roller	12501-66-20	5,200	12501-65-20	6,500	12501-67-20	7,800	12501-95-20	8400	45
12	5	5 1/4	1 1/2	Roller	12501-66-24	5,200	12501-65-24	6,500	12501-67-24	7,800	12501-95-24	8400	45
12	5	5 1/2	1	Tapered	12509-66-16	5,200	12509-65-16	6,500	12509-67-16	7,800	12509-95-16	8400	45
12	5	5 1/2	1 1/4	Tapered	12509-66-20	5,200	12509-65-20	6,500	12509-67-20	7,800	12509-95-20	8400	45
16	4	4 1/4	2 7/16		16400-66-39	4,825	16400-65-39	6,000	16400-67-39	8,000	16400-95-39	8125	40
16	4	4 1/4	1 1/4	Roller	16401-66-20	4,825	16401-65-20	6,000	16401-67-20	8,000	16401-95-20	8125	40
16	4	4 1/4	1 1/2	Roller	16401-66-24	4,825	16401-65-24	6,000	16401-67-24	8,000	16401-95-24	8125	40
16	4	4 1/2	1	Tapered	16409-66-16	4,825	16409-65-16	6,000	16409-67-16	8,000	16409-95-16	8125	40
16	4	4 1/2	1 1/4	Tapered	16409-66-20	4,825	16409-65-20	6,000	16409-67-20	8,000	16409-95-20	8125	40
16	5	5 1/4	2 7/16		16500-66-39	6,000	16500-65-39	8,000	16500-67-39	9,000	16500-95-39	9125	72
16	5	5 1/4	1 1/4	Roller	16501-66-20	6,000	16501-65-20	8,000	16501-67-20	9,000	16501-95-20	9125	72
16	5	5 1/4	1 1/2	Roller	16501-66-24	6,000	16501-65-24	8,000	16501-67-24	9,000	16501-95-24	9125	72
16	5	5 1/2	1	Tapered	16509-66-16	6,000	16509-65-16	8,000	16509-67-16	9,000	16509-95-16	9125	72
16	5	5 1/2	1 1/4	Tapered	16509-66-20	6,000	16509-65-20	8,000	16509-67-20	9,000	16509-95-20	9125	72
18	5	5 1/4	2 7/16		18500-66-39	6,400	18500-65-39	8,500	18500-67-39	9,000	18500-95-29	9500	90
18	5	5 1/4	1 1/4	Roller	18501-66-20	6,400	18501-65-20	8,500	18501-67-20	9,000	18501-95-20	9500	90
18	5	5 1/4	1 1/2	Roller	18501-66-24	6,400	18501-65-24	8,500	18501-67-24	9,000	18501-95-24	9500	90
18	5	5 1/2	1	Tapered	18509-66-16	6,400	18509-65-16	8,500	18509-67-16	9,000	18509-95-16	9500	90
18	5	5 1/2	1 1/4	Tapered	18509-66-20	6,400	18509-65-20	8,500	18509-67-20	9,000	18509-95-20	9500	90
20	5	5 1/4	2 7/16		20500-66-39	6,750	20500-65-39	9,000	20500-67-39	10,500	20500-95-39	11250	110
20	5	5 1/4	1 1/4	Roller	20501-66-20	6,750	20501-65-20	9,000	20501-67-20	10,500	20501-95-20	11250	110
20	5	5 1/4	1 1/2	Roller	20501-66-24	6,750	20501-65-24	9,000	20501-67-24	10,500	20501-95-24	11250	110
20	5	5 1/4	2	Roller	20501-66-32	6,750	20501-65-32	9,000	20501-67-32	10,500	20501-95-32	11250	110
20	5	5 1/2	1	Tapered	20509-66-16	6,750	20509-65-16	9,000	20509-67-16	10,500	20509-95-16	11250	110
20	5	5 1/2	1 1/4	Tapered	20509-66-20	6,750	20509-65-20	9,000	20509-67-20	10,500	20509-95-20	11250	110
20	5	5 1/2	1 1/2	Tapered	20509-66-24	6,750	20509-65-24	9,000	20509-67-24	10,500	20509-95-24	11250	110
20	5	5 1/2	2	Tapered	20509-66-32	6,750	20509-65-32	9,000	20509-67-32	10,500	20509-95-32	11250	110

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



**CASTER CONCEPTS**

## NYTEC WHEELS

**Caster Concepts continues to expand and develop a wide range of industrial application solutions using engineered plastics. Some of these applications include:**

**Vertical Drop Lift Guide and Roller Assemblies**

**Conveyor Accumulation Rollers**

**Turn Table Support and Load Wheels**

**High Load Capacity Caster Wheels**

Caster Concepts chooses materials, which are suited to the customer's specific application, where duty cycle, environment and loads are fully understood. Engineered plastics offer lower coefficient of friction and good abrasion resistance, and excellent structural rigidity in a wide variety of applications where cast iron or steel were previously used.

Many of the compositions are filled with lubricating materials which allow applications in situations where maintenance is an issue. Materials can be dynamically tested in the Caster Concepts Engineering Test facility to duplicate duty cycle and loads prior to installation in the field.

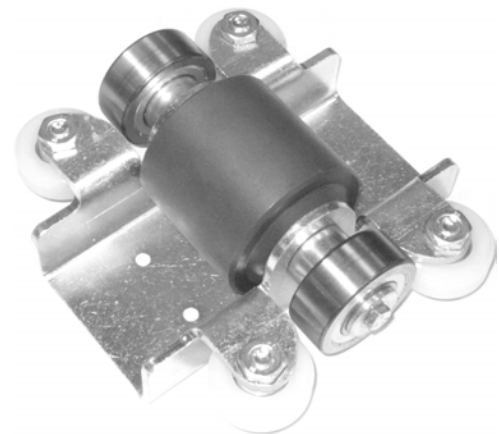
Caster Concepts' NYTEC- MD materials are widely used as idlers and support wheels in many large turn table applications. They provide a high load capacity while also offering a material that will provide reduced noise when compared to steel.

The Caster Concepts NYTEC- HS is a heat stabilized material which is suited for higher loads, with thermal stability up to 260 degrees. This material is excellent in applications where continual use is necessary. Wheels manufactured in NYTEC- HS material have been tested under load to 2 million revolutions and have shown little or no wear to the tread surface.

Engineered Plastic Wheels and Rollers offer you additional solution opportunities for your specific application needs. Contact Caster Concepts for assistance in designing a rolling solution for you.



Floor-to-floor elevator guide wheel of NYTEC-HS



Automotive Assembly line roller flight accumulation conveyor roller



Belt Conveyor take up assembly with belt guard



**CASTER CONCEPTS**

# NYTEC-MD WHEELS

9,360 maximum capacity  
LBS



## FEATURES

NyTec-MD is a nylon filled material which provides a high load capacity, floor protective wheel. Wheel capacities approach those of similar cast iron and steel wheels. Nytec- MD material is resistant to most harsh environments. The non-abrasive and vibration dampening material actually provides a quieter operation when compared to steel or cast iron wheels. When used in wet environments, plain bore NyTec-MD wheels can be used as the material is self lubricating. NyTec wheels are offered with precision tapered, precision ball, and straight roller bearings. For special applications, contact the factory.

WHEEL				PART NUMBER			CAPACITY
Dia.	Width	Hub Length	Bore	Roller	Ball Bearing	Tapered	Capacity
3	2.19	2 7/16	1/2	03201-39-12	03202-39-08	03209-39-08	780
3	3.25	3 1/2	1	03301-39-16*		03309-39-16	1,170
3	3.25	3 1/4	1 1/4	03301-39-20			1,170
3	4.25	4 1/2	3/4		03402-39-12	03409-39-12	1,560
3	4.25	4 1/2	1 1/2	03401-39-24*		03409-39-16	1,560
3	4.25	4 1/4	1 1/4	03401-39-20*			1,560
4	2.19	2 7/16	1/2	04201-39-12	04202-39-08	04209-39-08	1,040
4	3.25	3 1/2	3/4		04302-39-12	04309-39-12	1,560
4	3.25	3 1/2	1	04301-39-16*		04309-39-16	1,560
4	3.25	3 1/2	1 1/4	04301-39-20*		04309-39-20	1,560
4	4.25	4 1/2	3/4		04402-39-12	04409-39-12	2,080
4	4.25	4 1/2	1		04402-39-16	04409-39-16	2,080
4	4.25	4 1/2	1 1/4	04401-39-20*	04402-39-20	04409-39-20	2,080
4	4.25	4 1/4	1 1/2	04401-39-24			2,080
6	2.19	2 7/16	1/2	06201-39-12	06202-39-08	06209-39-08	1,560
6	3.25	3 1/2	3/4		06302-39-12	06309-39-12	2,340
6	3.25	3 1/2	1	06301-39-16*	06302-39-16	06309-39-16	2,340
6	3.25	3 1/2	1 1/4	06301-39-20*	06302-39-20	06309-39-20	2,340
6	4.25	4 1/2	1		06402-39-16	06409-39-16	3,120
6	4.25	4 1/2	1 1/4	06401-39-20*	06402-39-20	06409-39-20	3,120
6	4.25	4 1/4	1 1/2	06401-39-24			3,120
6	5.25	5 1/2	1		06502-39-16	06509-39-16	3,900
6	5.25	5 1/2	1 1/4	06501-39-20*	06502-39-20	06509-39-20	3,120
6	5.25	5 1/4	1 1/2	06501-39-24			3,120
8	2.19	2 7/16	1/2	08201-39-12	08202-39-08	08209-39-08	2,080
8	3.25	3 1/2	3/4		08302-39-12	08309-39-12	3,120
8	3.25	3 1/2	1	08301-39-16*	08302-39-16	08309-39-16	3,120
8	3.25	3 1/2	1 1/4	08301-39-20*	08302-39-20	08309-39-20	3,120
8	4.25	4 1/2	1		08402-39-16	08409-39-16	4,160
8	4.25	4 1/2	1 1/4	08401-39-20*	08402-39-20	08409-39-20	4,160
8	4.25	4 1/4	1 1/2	08401-39-24			4,160
8	5.25	5 1/2	1		08502-39-16	08509-39-16	4,160
8	5.25	5 1/2	1 1/4	08501-39-20*	08502-39-20	08509-39-20	5,200
8	5.25	5 1/4	1 1/2	08501-39-24			5,200
10	3.25	3 1/2	3/4		10302-39-12	10309-39-12	3,900
10	3.25	3 1/2	1	10301-39-16*	10302-39-16	10309-39-16	3,900
10	3.25	3 1/2	1 1/4	10301-39-20*	10302-39-20	10309-39-20	3,900
10	4.25	4 1/2	1		10402-39-16	10409-39-16	5,200
10	4.25	4 1/2	1 1/4	10401-39-20*	10402-39-20	10409-39-20	5,200
10	4.25	4 1/4	1 1/2	10401-39-24			5,200
10	5.25	5 1/2	1		10502-39-16	10509-39-16	6,500
10	5.25	5 1/2	1 1/4	10501-39-20*	10502-39-20	10509-39-20	6,500
10	5.25	5 1/4	1 1/2	10501-39-24			6,500
12	3.25	3 1/2	3/4		12302-39-12	12309-39-12	4,680
12	3.25	3 1/2	1	12301-39-16*	12302-39-16	12309-39-16	4,680
12	3.25	3 1/2	1 1/4	12301-39-20*	12302-39-20	12309-39-20	4,680
12	4.25	3 1/2	1		12402-39-16	12409-39-16	6,240
12	4.25	3 1/2	1 1/4	12401-39-20*	12402-39-20	12409-39-20	6,240
12	4.25	3 1/4	1 1/2	12401-39-24			6,240
12	5.25	5 1/2	1		12502-39-16	12509-39-16	7,800
12	5.25	5 1/2	1 1/4	12501-39-20*	12502-39-20	12509-39-20	7,800
12	5.25	5 1/4	1 1/2	12501-39-24			7,800
12	6.25	6 1/2	1		12602-39-16	12509-39-16	9,360
12	6.25	6 1/2	1 1/4		12602-39-20	12609-39-20	9,360

\* These wheels have .25 shorter hub length

NYTEC-MD WHEELS 9,360 lbs maximum capacity



**CASTER CONCEPTS**

# MOLD ON RUBBER WHEELS

**3,000** maximum capacity  
LBS

## FEATURES

**Bearings:** Delrin, oilite, roller, precision ball, tapered.  
**Temperature:** Maximum to 180° F  
**Durometer:** 70 Durometer Shore A  
**Standard:** All 1-1/2" and 2" width wheels with 3/4" roller bearings are supplied with 1/2" spanner bushing.

Caster Concepts offers the highest quality domestic mold on rubber wheels. Our mold-on rubber wheels consist of a soft black, 70 durometer rubber tread permanently bonded Class 30 gray iron centers. Mold-on rubber wheels provide excellent floor protection, a cushioned and quiet ride for the product being transported, and they absorb shock and vibration.

Neoprene and high load compounds are available, please contact the factory.



## APPLICATIONS

Excellent for moist and wet environments, food service equipment, small waste bins, factory use, platform trucks and hotel equipment.

WHEEL		CAPACITY			PART NUMBER			
Dia.	Width	Capacity	Hub Length	Bore	Straight Roller	Precision Tapered	Less Bearing	Wt.
5	2.00	400	2 3/16	1 3/16			05200-70-19	2.5
5	2.00	400	2 3/16	3/4	05201-70-12			2.5
6	2.00	425	2 3/16	1 3/16			06200-70-19	4.5
6	2.00	425	2 3/16	3/4	06201-70-12			4.5
6	2.50	550	3 1/4	1 15/16			06250-70-31	6.5
6	2.50	550	3 1/4	1	06251-70-16			6.5
6	2.50	550	3 1/4	1 1/4	06251-70-20			6.5
6	2.50	550	3 1/2	3/4		06259-70-12		6.5
6	2.50	550	3 1/2	1		06259-70-16		6.5
6	3.00	700	3 1/4	1 15/16			06300-70-31	9.5
6	3.00	700	3 1/4	1	06301-70-16			9.5
6	3.00	700	3 1/4	1 1/4	06301-70-20			9.5
6	3.00	700	3 1/2	3/4		06309-70-12		9.5
6	3.00	700	3 1/2	1		06309-70-16		9.5
8	2.00	500	2 3/16	1 3/16			08200-70-19	7.0
8	2.00	500	2 3/16	3/4	08201-70-12			7.0
8	2.50	700	3 1/4	1 15/16			08250-70-31	9.5
8	2.50	700	3 1/4	1	08251-70-16			9.5
8	2.50	700	3 1/4	1 1/4	08251-70-20			9.5
8	2.50	700	3 1/2	3/4		08259-70-12		9.5
8	3.00	850	3 1/4	1 15/16			08300-70-31	12.5
8	3.00	850	3 1/4	1	08301-70-16			12.5
8	3.00	850	3 1/4	1 1/4	08301-70-20			12.5
8	3.00	850	3 1/2	3/4		08309-70-12		12.5
8	3.00	850	3 1/2	1		08309-70-16		12.5
8	3.00	850	3 1/2	1 1/4		08309-70-20		12.5



**CASTER CONCEPTS**

# MOLD ON RUBBER WHEELS

**3,000** maximum capacity  
LBS

WHEEL		CAPACITY			PART NUMBER			
Dia.	Width	Hub Length	Bore	Straight Roller	Precision Tapered	Less Bearing	Wt.	
10	2.50	800	3 1/4	1 15/16		10250-70-31	13.0	
10	2.50	800	3 1/4	1	10251-70-16		13.0	
10	2.50	800	3 1/4	1 1/4	10251-70-20		13.0	
10	2.50	800	3 1/2	3/4		10259-70-12	13.0	
10	2.50	800	3 1/2	1		10259-70-16	13.0	
10	3.00	1,000	3 1/4	1 15/16		10300-70-31	16.0	
10	3.00	1,000	3 1/4	1	10301-70-16		16.0	
10	3.00	1,000	3 1/4	1 1/4	10301-70-20		16.0	
10	3.00	1,000	3 1/2	3/4		10309-70-12	16.0	
10	3.00	1,000	3 1/2	1		10309-70-16	16.0	
10	4.00	1,400	4 1/4	2 7/16		10400-70-39	33.0	
10	4.00	1,400	4 1/4	1 1/4	10401-70-20		33.0	
10	4.00	1,400	4 1/4	1 1/2	10401-70-24		33.0	
10	4.00	1,400	4 1/2	1		10409-70-16	33.0	
10	4.00	1,400	4 1/2	1 1/4		10409-70-20	33.0	
12	2.50	900	3 1/4	1 15/16		12250-70-31	15.5	
12	2.50	900	3 1/4	1	12251-70-16		15.5	
12	2.50	900	3 1/4	1 1/4	12251-70-20		15.5	
12	2.50	900	3 1/2	3/4		12259-70-12	15.5	
12	2.50	900	3 1/2	1		12259-70-16	15.5	
12	3.00	1,125	3 1/4	1 15/16		12300-70-31	21.0	
12	3.00	1,125	3 1/4	1	12301-70-16		21.0	
12	3.00	1,125	3 1/4	1 1/4	12301-70-20		21.0	
12	3.00	1,150	3 1/2	3/4		12309-70-12	21.0	
12	3.00	1,150	3 1/2	1		12309-70-16	21.0	
12	4.00	1,600	4 1/4	2 7/16		12400-70-39	30.0	
12	4.00	1,600	4 1/4	1 1/4	12401-70-20		30.0	
12	4.00	1,600	4 1/4	1 1/2	12401-70-24		30.0	
12	4.00	1,600	4 1/2	1		12409-70-16	30.0	
12	4.00	1,600	4 1/2	1 1/4		12409-70-20	30.0	
16	4.00	1,450	4 1/4	2 7/16		16400-70-39	40.0	
16	4.00	1,450	4 1/4	1 1/4	16401-70-20		40.0	
16	4.00	1,450	4 1/4	1 1/2	16401-70-24		40.0	
16	4.00	1,450	4 1/2	1		16409-70-16	40.0	
16	4.00	1,450	4 1/2	1 1/4		16409-70-20	40.0	
16	5.00	1,500	5 1/4	2 7/16		16500-70-39	72.0	
16	5.00	1,500	5 1/4	1 1/4	16501-70-20		72.0	
16	5.00	1,500	5 1/4	1 1/2	16501-70-24		72.0	
16	5.00	1,500	5 1/2	1		16509-70-16	72.0	
16	5.00	1,500	5 1/2	1 1/4		16509-70-20	72.0	
18	5.00	2,800	5 1/4	2 7/16		18500-70-39	90.0	
18	5.00	2,800	5 1/4	1 1/4	18501-70-20		90.0	
18	5.00	2,800	5 1/4	1 1/2	18501-70-24		90.0	
18	5.00	2,800	5 1/4	3 1/4		18500-70-50	90.0	
18	5.00	2,800	5 1/4	2	18501-70-32		90.0	
18	5.00	2,800	5 1/2	1		18509-70-16	90.0	
18	5.00	2,800	5 1/2	1 1/4		18509-70-20	90.0	
18	5.00	2,800	5 1/2	1 1/2		18509-70-24	90.0	
20	5.00	3,000	5 1/4	2 7/16		20500-70-39	100.0	
20	5.00	3,000	5 1/4	1 1/4	20501-70-20		100.0	
20	5.00	3,000	5 1/4	1 1/2	20501-70-24		100.0	
20	5.00	3,000	5 1/4	3 1/4		20500-70-50	100.0	
20	5.00	3,000	5 1/4	2	20501-70-32		100.0	
20	5.00	3,000	5 1/2	1		20509-70-16	100.0	
20	5.00	3,000	5 1/2	1 1/4		20509-70-20	100.0	
20	5.00	3,000	5 1/2	1 1/2		20509-70-24	100.0	

MOLD ON RUBBER WHEELS 3,000 lbs maximum capacity





**CASTER CONCEPTS**

# KEYWAY WHEELS

**1,600** maximum capacity  
LBS

## FEATURES

A wide variety of keyway drive wheels are available. Keyway drive wheels are used in various power transmission applications. The keyways are cut to fit a keywayed shaft and are held in place with two set screws. One set screw is placed over the key and one at 90 degrees to the keyway. The most popular models in rubber and soft polyurethane are shown in the charts. Keyway wheels are manufactured in other materials, forged steel or cast iron, are available. Check the wheel widths on the chart and select the appropriate bushing. Costing for specific requirements is also readily available.



Bushing	ID	OD	Length	Key	Wheel Width
KWAA	0.50	1.19	2.44	0.125	2"
KWBB	0.75	1.19	2.44	0.188	2"
KWA	0.50	1.94	3.25	0.125	2-1/2" or 3"
KWB	0.75	1.94	3.25	0.188	2-1/2" or 3"
KWC	1.00	1.94	3.25	0.250	2-1/2" or 3"
KWD	1.25	1.94	3.25	0.250	2-1/2" or 3"
KWE	1.50	2.44	4.25	0.375	4"
KWEE	1.50	2.44	5.25	0.375	5"

WHEEL				PART NUMBER	CAPACITY
Dia.	Width	Hub Length	Bore	Keyway Size	
<b>Drive Rollers—Mold on Rubber Roller Surfaces-Durometer hardness is 70-75A</b>					
3	2.00	3 1/4 offset	1/2	1/8 x 1/16	03200-70-08-KWA 300
3	2.00	3 1/4 offset	3/4	3/16 x 3/32	03200-70-12-KWB 300
4	2.00	3 1/4 offset	1/2	1/8 x 1/16	04200-70-08-KWA 350
4	2.00	3 1/4 offset	3/4	3/16 x 3/32	04200-70-12-KWB 350
5	2.00	2 3/16	1/2	1/8 x 1/16	05200-70-08-KWAA 400
5	2.00	2 3/16	3/4	3/16 x 3/32	05200-70-12-KWBB 400
6	2.00	2 3/16	1/2	1/8 x 1/16	06200-70-08-KWAA 425
6	2.00	2 3/16	3/4	3/16 x 3/32	06200-70-12-KWBB 425
6	3.00	3 1/4	1/2	1/8 x 1/16	06300-70-08-KWA 500
6	3.00	3 1/4	3/4	3/16 x 3/32	06300-70-12-KWB 500
6	3.00	3 1/4	1	1/4 x 1/8	06300-70-16-KWC 500
6	3.00	3 1/4	1 1/4	1/4 x 1/8	06300-70-20-KWD 500
8	2.00	2 3/16	1/2	1/8 x 1/16	08200-70-08-KWA 500
8	2.00	2 3/16	3/4	3/16 x 3/32	08200-70-12-KWB 500
8	3.00	3 1/4	1/2	1/8 x 1/16	08300-70-08-KWA 850
8	3.00	3 1/4	3/4	3/16 x 3/32	08300-70-12-KWB 850
8	3.00	3 1/4	1	1/4 x 1/8	08300-70-16-KWC 850
8	3.00	3 1/4	1 1/4	1/4 x 1/8	08300-70-20-KWD 850
10	3.00	3 1/4	1/2	1/8 x 1/16	10300-70-08-KWA 800
10	3.00	3 1/4	3/4	3/16 x 3/32	10300-70-12-KWB 800
10	3.00	3 1/4	1	1/4 x 1/8	10300-70-16-KWC 1,000
10	3.00	3 1/4	1 1/4	1/4 x 1/8	10300-70-20-KWD 1,000
10	4.00	4 1/4	1 1/2	3/8 x 3/16	10400-70-24-KWE 1,400
<b>Drive Rollers—Soft Polyurethane Roller Surfaces-Durometer hardness is 85A</b>					
3	2.00	3-1/4 offset	1/2	1/8 x 1/16	03200-61-08-KWA 300
3	2.00	3-1/4 offset	3/4	3/16 x 3/32	03200-61-12-KWB 300
4	2.00	3-1/4 offset	1/2	1/8 x 1/16	04200-66-08-KWA 350
4	2.00	3-1/4 offset	3/4	3/16 x 3/32	04200-66-12-KWB 350
5	2.00	2 3/16	1/2	1/8 x 1/16	05200-61-08-KWAA 400
5	2.00	2 3/16	3/4	3/16 x 3/32	05200-61-12-KWBB 400
6	2.00	2 3/16	1/2	1/8 x 1/16	06200-61-08-KWAA 425
6	2.00	2 3/16	3/4	3/16 x 3/32	06200-61-12-KWBB 425
6	3.00	3 1/4	1/2	1/8 x 1/16	06300-66-08-KWA 800
6	3.00	3 1/4	3/4	3/16 x 3/32	06300-66-12-KWB 800
6	3.00	3 1/4	1	1/4 x 1/8	06300-66-16-KWC 1,600
6	3.00	3 1/4	1 1/4	1/4 x 1/8	06300-66-20-KWD 1,600
8	2.00	2 3/16	1/2	1/8 x 1/16	08200-61-08-KWA 500
8	2.00	2 3/16	3/4	3/16 x 3/32	08200-61-12-KWB 500
8	3.00	3 1/4	1/2	1/8 x 1/16	08300-66-08-KWA 800
8	3.00	3 1/4	3/4	3/16 x 3/32	08300-66-12-KWB 800
8	3.00	3 1/4	1	1/4 x 1/8	08300-66-16-KWC 1,600
8	3.00	3 1/4	1 1/4	1/4 x 1/8	08300-66-20-KWD 1,600
10	3.00	3 1/4	3/4	3/16 x 3/32	10300-66-12-KWB 800
10	3.00	3 1/4	1	1/4 x 1/8	10300-66-16-KWC 1,600
10	3.00	3 1/4	1 1/4	1/4 x 1/8	10300-66-20-KWD 1,600
10	4.00	4 1/4	1 1/2	3/8 x 3/16	10400-66-24-KWE 2,500
10	5.00	5 1/4	1 1/2	3/8 x 3/16	10500-66-24-KWEE 2,500
12	4.00	4 1/4	1 1/2	3/8 x 3/16	12400-66-24-KWE 3,000



**CASTER CONCEPTS**

# SOFTECH WHEELS

**600** maximum capacity  
LBS

## FEATURES

**Bearings:** Precision ball or straight roller

**Temperature:** Maximum to 230° F.

**Hardness:** 75 Durometer A Scale

Softech wheels feature a soft, non-marking tread on a rust-free polyolefin core. Softech wheels reject floor debris, are highly resistant to most chemicals, grease, solvents and acids, and are stain resistant and zero water absorbing. Quiet, easy rolling and shock absorbing, these wheels are excellent for most floor surfaces.



## APPLICATIONS

Softech wheels are excellent for platform trucks, food service equipment, textile carts, hotel equipment and other abusive applications.

WHEEL			CAPACITY		PART NUMBER			
Dia.	Width	Hub Length	Bore	Roller Bearing	Ball Bearing	Less Bearing	Wt.	
4	2.00	250	2 3/16	1 3/16		04200-72-19	1.00	
4	2.00	250	2 7/16	3/4	04201-72-12		1.00	
4	2.00	250	2 7/16	1/2		04204-72-08	1.00	
4	2.00	250	2 7/16	1/2		04202-72-08*	1.00	
5	2.00	275	2 3/16	1 3/16		05200-72-19	1.50	
5	2.00	275	2 7/16	3/4	05201-72-12		1.50	
5	2.00	275	2 7/16	1/2		05204-72-08	1.50	
5	2.00	275	2 7/16	1/2		05202-72-08*	1.50	
6	2.00	450	2 3/16	1 3/16		06200-72-19	2.00	
6	2.00	450	2 7/16	3/4	06201-72-12		2.00	
6	2.00	450	2 7/16	1/2		06204-72-08	2.00	
6	2.00	450	2 7/16	1/2		06202-72-08*	2.00	
8	2.00	600	2 3/16	1 3/16		08200-72-19	2.25	
8	2.00	600	2 7/16	3/4	08201-72-12		2.25	
8	2.00	600	2 7/16	1/2		08204-72-08	2.25	
8	2.00	600	2 7/16	1/2		08202-72-08*	2.25	

\* Constructed with precision ball bearings.  
All dimensions are in inches. All weights are in pounds.



**CASTER CONCEPTS**

# ENVIROTHANE WHEELS

1,600 maximum capacity LBS

## FEATURES

**Bearings:** Precision Ball or Straight Roller

**Temperature:** Maximum to 230° F

**Hardness:** 45-65 Durometer D scale

Envirothane wheels feature a solid, non-marking polyurethane used for high load capacities. This top quality wheel will not damage floors and will not develop flat spots under standing loads. Tested for medium load capacities, the Envirothane wheel is harder than soft rubber. Envirothane wheels resist most chemicals, offer good floor protection and are completely washable. The one piece solid Envirothane makes it virtually maintenance free.



## APPLICATIONS

Envirothane wheels are excellent for tow line applications, platform trucks, large stock trucks, textile carts, food service equipment and other abusive applications.

WHEEL		CAPACITY			PART NUMBER				
Dia.	Width	Capacity	Hub Length	Bore	Roller Bearing	Ball	Less Bearing	Wt.	
4	2.00	650	2 3/16	1 3/16			04200-62-19	1.5	
4	2.00	650	2 7/16	3/4	04201-62-12			1.5	
4	2.00	650	2 7/16	1/2		04204-62-08		1.5	
4	2.00	650	2 7/16	1/2		04202-62-08*		1.5	
5	2.00	800	2 3/16	1 3/16			05200-62-19	2.0	
5	2.00	800	2 7/16	3/4	05201-62-12			2.0	
5	2.00	800	2 7/16	1/2		05204-62-08		2.0	
5	2.00	800	2 7/16	1/2		05202-62-08*		2.0	
6	2.00	950	2 3/16	1 3/16			06200-62-19	2.5	
6	2.00	950	2 7/16	3/4	06201-62-12			2.5	
6	2.00	950	2 7/16	1/2		06204-62-08		2.5	
6	2.00	950	2 7/16	1/2		06202-62-08*		2.5	
6	2.50	1,200	2 3/4	1 15/16			06255-62-31	7.5	
6	2.50	1,200	2 3/4	1	06255-62-16			7.5	
6	2.50	1,200	2 3/4	1 1/4	06255-62-20			7.5	
6	2.50	1,200	3	3/4		06256-62-12		7.5	
8	2.00	1,100	2 3/16	1			08200-62-19	3.7	
8	2.00	1,100	2 3/16	3/4	08201-62-12			3.7	
8	2.00	1,100	2 7/16	1/2		08204-62-08		3.7	
8	2.00	1,100	2 7/16	1		08202-62-08*		3.7	
8	2.50	1,600	2 3/4	1 15/16			08255-62-31	8.5	
8	2.50	1,600	2 3/4	1	08255-62-16			8.5	
8	2.50	1,600	2 3/4	1	08255-62-20			8.5	
8	2.50	1,600	3	1		08256-62-12		8.5	

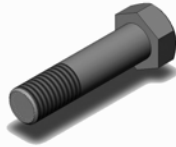
\*Constructed with precision ball bearings  
All dimensions are in inches. All weights are in pounds.



**CASTER CONCEPTS**

# PARTS & ACCESSORIES

## REPLACEMENT AXLES



PART	O.D.	LENGTH	
AX085403	1/2	3-3/8	HOLLOW C/W L. NUT
AX085401	1/2	3-3/8	SOLID C/W LOCK NUT
AX127603	3/4	4-3/4	HOLLOW C/W L. NUT
AX127601	3/4	4-3/4	SOLID C/W LOCK NUT
AX168001	1	5	SOLID C/W LOCK NUT
AX168003	1	5	HOLLOW C/W L. NUT
AX169601	1	6	SOLID C/W LOCK NUT
AX169603	1	6	HOLLOW C/W L. NUT
AX208801	1-1/4	5-1/2	SOLID C/W LOCK NUT
AX201041	1-1/4	6-1/2	SOLID C/W LOCK NUT

## SPANNER BUSHINGS



PART	I.D.	O.D.	LENGTH	
SB081239	1/2	3/4	2-7/16	WITH OIL HOLE
SB081248	1/2	3/4	3	
SB081264	1/2	3/4	4	
SB121656	3/4	1	3-1/2	
SB121657	3/4	1	3-9/16	WITH OIL HOLE
SB121648	3/4	1	3	
SB162057	1	1-1/4	3-9/16	
SB162073	1	1-1/4	4-9/16	
SB162089	1	1-1/4	5-9/16	
SB202457	1-1/4	1-1/2	3-9/16	
SB202473	1-1/4	1-1/2	4-9/16	
SB202489	1-1/4	1-1/2	5-9/16	

## TAPERED BEARINGS



PART	I.D.	O.D.
TB123102	3/4	1.93
TB122802	3/4	1.78
TB163202	1	1.98
TB163902	1	2.44
TB203702	1-1/4	2.32
TB203902	1-1/4	2.44
TB205002	1-1/4	3.12
TB245002	1-1/2	3.12

## STRAIGHT BEARINGS

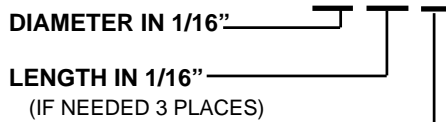


PART	I.D.	O.D.	LENGTH
RB121930	3/4	1-3/16	1-7/8
RB121940	3/4	1-3/16	2-1/2
RB163140	1	1-15/16	2-1/2
RB163148	1	1-15/16	3
RB203140	1-1/4	1-15/16	2-1/2
RB203148	1-1/4	1-15/16	3
RB203948	1-1/4	2-7/16	3
RB203964	1-1/4	2-7/16	4
RB203980	1-1/4	2-7/16	5
RB243948	1-1/2	2-7/16	3
RB243964	1-1/2	2-7/16	4
RB243980	1-1/2	2-7/16	5

## OTHER

- SEALED WASHERS
- SEALED WHEELS
- SPECIAL FINISHES

### AXLES AX 20 152 02 (C)\*



**Axles Feature Standard Fine Thread**  
 08=1/2-20  
 16= 1-14  
 20=1-1/4-12

**TYPE**  
 00 SOLID  
 01 SOLID w/ LOCK NUT  
 02 HOLLOW  
 03 HOLLOW w/ LOCK NUT  
 08 SOLID w/ SLOTTED NUT  
 09 HOLLOW w/ SLOTTED NUT

**Optional Coarse Thread is available if a "(C)" is noted**  
 08=1/ -13  
 12=3/4-10  
 16= 1-8  
 20=1-1/4-7



**CASTER CONCEPTS**

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## TERMS & CONDITIONS

### **WARRANTY**

Caster Concepts, Inc. warrants its products to be free from defects in material or workmanship for the period of one year after the date of shipment from our factory. Warranty does not apply in cases of overloading, misapplication, abuse, normal wear and tear, damage in transit or in applications and operating conditions which we were not made aware of in advance. Caster Concept's liability shall be limited to the replacement cost of the caster or wheel. Caster Concepts will not assume liability for incidental damage from use of its products. This warranty is void if our products are modified by others. No other warranty expressed or implied is made.

### **RETURNS AND ADJUSTMENTS**

All returned goods must be authorized in writing in advance of shipment. Goods are to be returned freight prepaid. All goods must be in new and unused condition, and be standard stocking items. A handling charge will be assessed depending on the cost of reconditioning and restocking the product.

Any claims for correction of product or adjustments must be filed with in five days of receipt of order. Custom built or modified products are not subject to return.

### **TERMS AND CONDITIONS**

Special or custom manufactured products are not subject to cancellation or return once the work has been started on the order. Our terms are net 30 days to customers with approved credit. Freight is shipped F.O.B. shipping point.

### **PRODUCT CHANGES**

As Caster Concepts is constantly improving its products and methods of manufacturing, we reserve the right to modify and/or change our specifications of the products in this catalog without notice. However, we will attempt to keep our active distributors aware of any changes.