

PRODUCT

**2004
CATALOG**

Casters

Wheels

Bumpers

Couplers



60 Series



Cartmaster



70 Series



Stagemaster



110 Series



120 Series



DARNELL-ROSE

division  Evans Industries, Inc.

The Single Best Name in Casters:

DARNELL-ROSE

QUALITY

For over 75 years, the Darnell and Rose Caster names have been the symbols for quality in the caster industry. These two outstanding lines have now merged to offer the world's finest selection of quality casters, wheels, bumpers, and couplers.

VARIETY

Darnell-Rose casters are available in sizes ranging from 1-5/8" to 20" wheel diameters, and load capacities from 75 lbs. to 50,000 lbs. each caster. **Stainless Steel** also available.

CUSTOM FABRICATION

Darnell-Rose can design and manufacture "made-to-order" casters to fit your special requirements.

MANUFACTURING

Darnell-Rose products are **MADE IN THE USA** at our factories in City of Industry, California and Detroit, Michigan.

48 HOUR SHIPMENT

Over 400 Darnell-Rose casters and wheels are available for shipment within 48 hours.

DISTRIBUTION NETWORK

More than 200 leading caster distributors in the U.S. and Canada sell and stock Darnell-Rose products. Call to find the one nearest you.

CUSTOMER SERVICE

Skilled representatives are always available to provide technical information or assistance.



1-800-327-6355

*Visit our
web site at:*

www.darnell-rose.com



DARNELL-ROSE

division  Evans Industries, Inc.

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Series by Load Capacity (in lbs.)

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200	50 SERIES	.18
230	40 SERIES	.24
300	90 SERIES	.26
400	30 SERIES	.32
400	60 SERIES	.34
600	70 SERIES	.40
1,000	80 SERIES	.44
1,000	A100 SERIES	.48
1,000	20 SERIES	.54
1,800	R400 SERIES	.56
3,000	R695 SERIES	.58
3,300	R650 SERIES	.60
3,500	R100 SERIES	.62
5,500	R110 SERIES	.64
8,000	R120 SERIES	.66
10,000	4500 WORKSTAND SERIES	.68
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SPECIALTY CASTERS

WORKSTAND	.68
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GENERAL INFORMATION

PRICE & DESIGN:
 All prices and designs are subject to change without notice.

INVOICE TERMS:
 All invoices are 1% 10,
 Net 30 days

SHIPPING TERMS:
 FOB - City of Industry, CA
 or - Detroit, MI

MINIMUM ORDER POLICY:
 Minimum order of \$100.00 required.

LIMITED 3-YEAR WARRANTY:
 (See inside back cover.)

RETURN GOODS POLICY:
 Return goods shipment requires prior authorization and a return goods RMA number from Darnell-Rose.

A 20% charge will be applied to cover the handling and restocking, providing goods are resalable and do not require refurbishing.

No cancellations after the start of production.

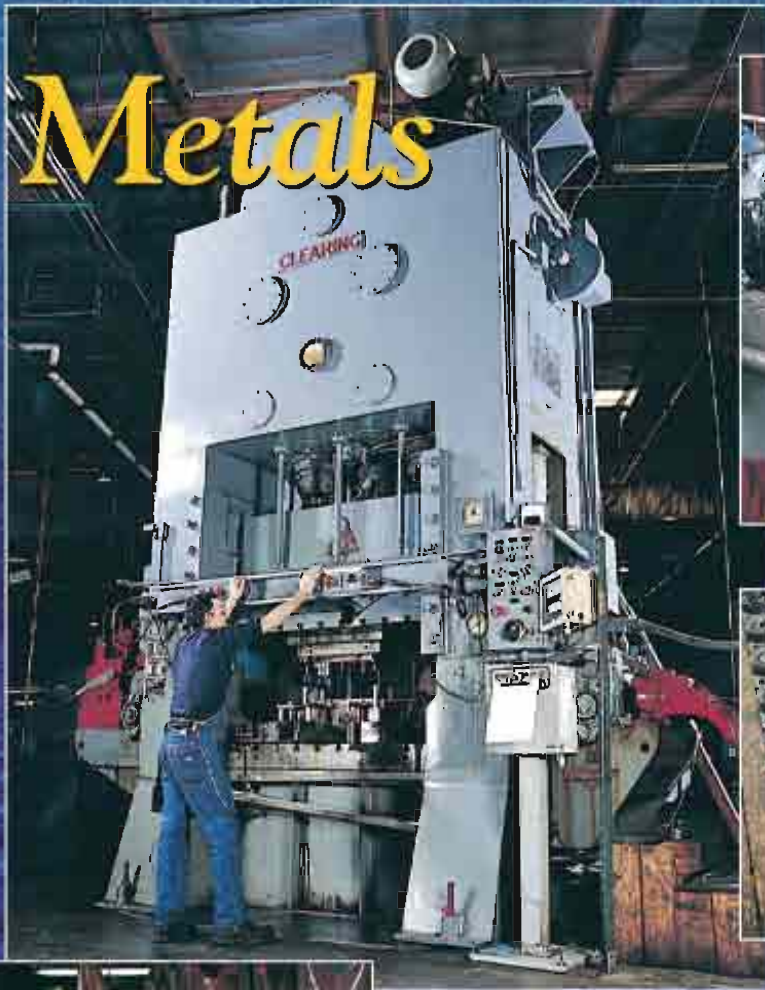
No specially manufactured caster will be returned.

NOTE:
 Threaded mounting stems for casters are only for the attachment of the caster to the mobile platform they are intended to convey. Unless the stem material and size has been determined by the end user to be of sufficient strength for the application, stems shall not be incorporated as leveling devices for any mobile platform. The base of the stem must be fully seated and properly tightened against or within the mounting point on the platform. Mounting stem design and specification shall consider maximum applied weight including both static and dynamic loads, thread extension and safety factor. Contact Darnell-Rose customer service or an authorized distributor if the applica-

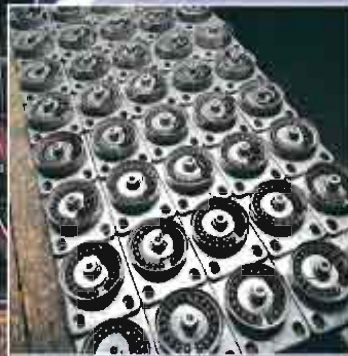
PRICE & DESIGN:
 All prices and designs are subject to change without notice.



Metals



Plant



Darnell-Rose is the world's leading full-line, full-time manufacturer of high-quality casters, wheels, rubber bumpers, and industrial truck couplers. Our products are used worldwide by customers spanning the aviation, medical,

electronics, food processing, automotive, and general material handling industries.



A division of Evans Industries of Detroit, Michigan, Darnell-Rose was formed by the merger of Darnell Corporation and Rose Caster Company in January, 1998. Since 1921, Darnell casters have stood as the symbol for quality in the caster and wheel industry, whereas Rose Caster has earned a legendary reputation

for building superior forged steel casters primarily for the demanding automotive industry for over 65 years.



Headquarters for Darnell-Rose is the former Darnell facility in City of Industry, California where manufacturing, engineering, and sales are fully integrated under one roof. The Detroit plant serves as our East Coast factory and distribution center. This means every Darnell-Rose product is 100% made in the U.S.A. by American craftsmen and using only U.S. suppliers for raw materials and purchased components.

Testing



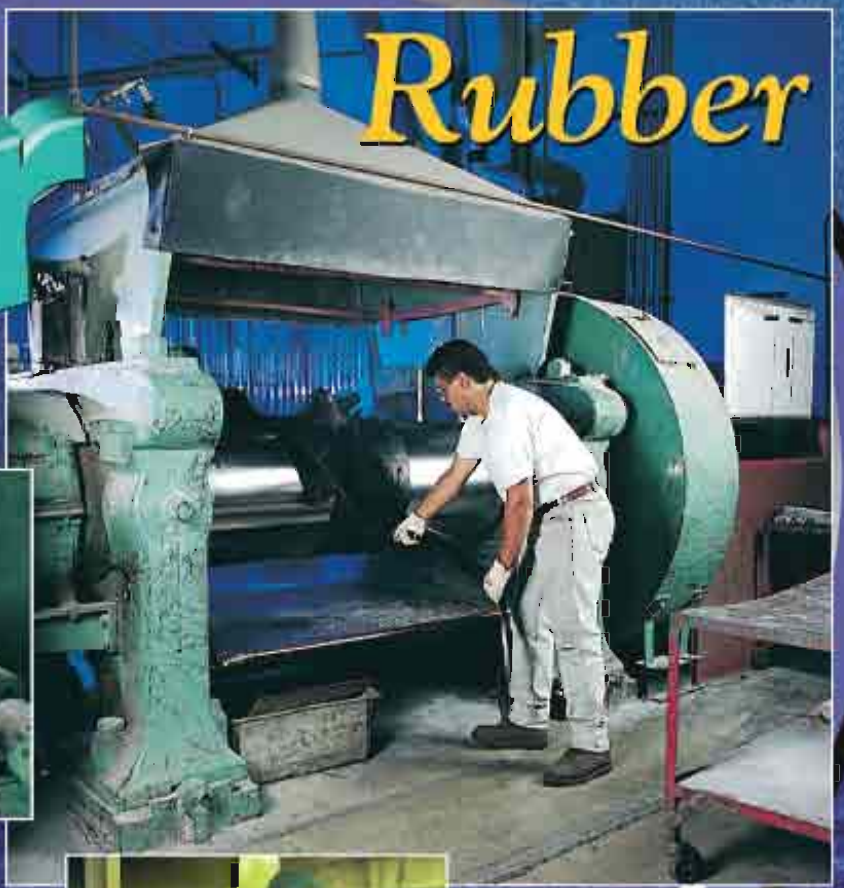
Metals



Plant

Tour

Rubber



Our processes are vertically integrated and include a full array of metalworking, fabrication, machining, and rubber processing operations. This gives us the ability to produce a complete line of high quality off-the-shelf products for immediate shipment, as well as the capability to provide a broad range of special requirements in response to customer needs.

Our long tradition for quality is evidenced by our attainment of ISO-9001 certification for the quality processes employed at our 100,000 square foot factory in California. Our mission statement



Poly

emphasizes this commitment to quality by re-affirming our belief that "building superior products we will earn the loyalty and respect of our customers, who in return, will favor us with their repeat business." Quality products and quality service is our number one priority at Darnell-Rose... your single source for high performance casters, wheels, bumpers, and couplers.

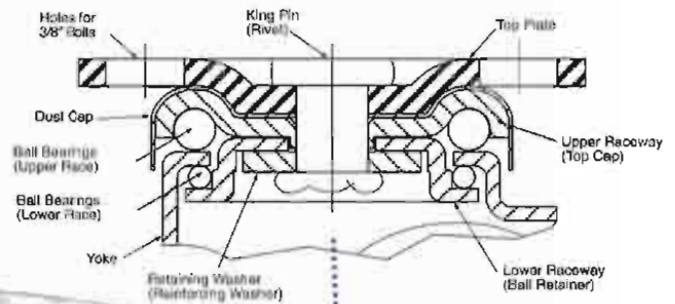


Rubber

Proven Performance and Lasting Quality since 1921.

RACEWAY DUST CAP.

Standard on most Darnell series, the dust cap fits over the upper ball retainer to keep out unwanted dust, moisture, and other debris that can contaminate or snag the swivel raceway.



REINFORCING WASHER.

Thick steel washer is placed between lower ball retainer and king pin. This secures the swivel and adds strength to the caster structure.

FOUR SIDED DOUBLE BALL RACEWAYS.

Upper set of ball bearings carries weight of downward load while the lower set handles lateral pressure created by the wheel offset. By capturing the bearings on all four sides – top, bottom, inside, and outside – each ball rolls directly in line with the load, not at an angle as with most competitive brands. This is one reason Darnell casters create less friction, allowing them to turn easier and last longer.

GAS CARBURIZED HEAT TREATING PROCESS.

All moving metal parts are heat treated to a precise molecular depth and Rockwell hardness to reduce wear, prevent brinelling caused by shock loads, and to increase service life dramatically.

THREAD GUARDS.

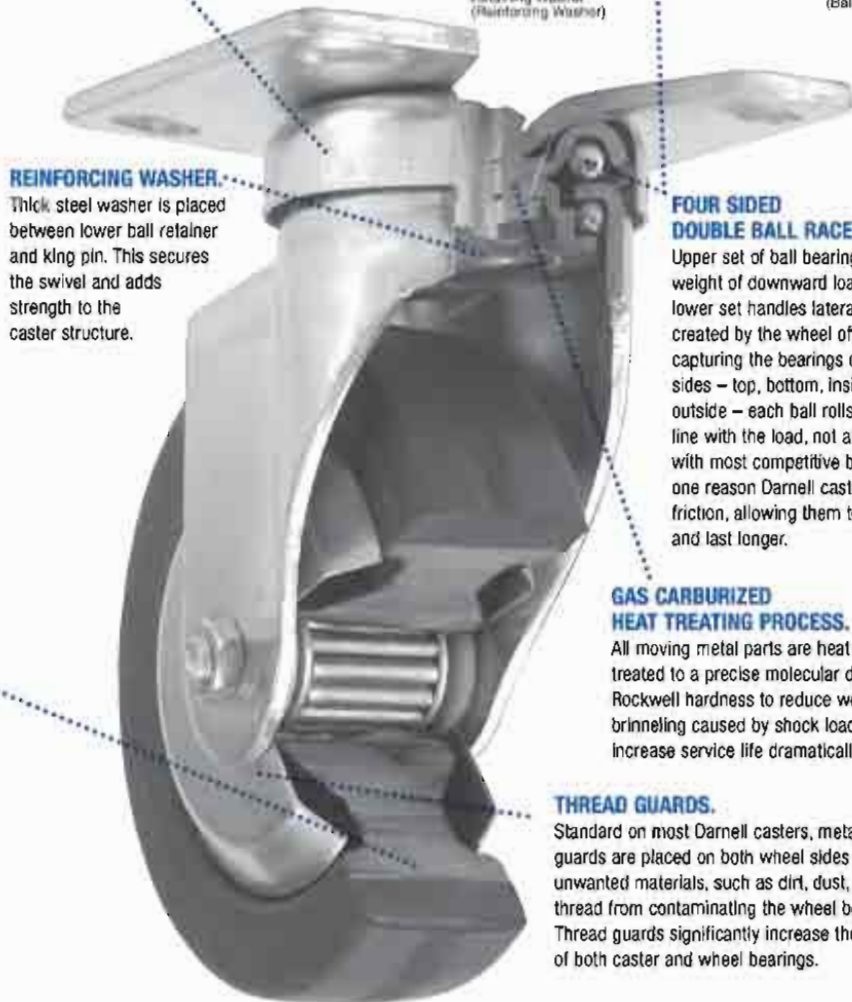
Standard on most Darnell casters, metal thread guards are placed on both wheel sides to keep unwanted materials, such as dirt, dust, lint, and thread from contaminating the wheel bearings. Thread guards significantly increase the service life of both caster and wheel bearings.

DUAL DUROMETER NEOPRENE WHEELS.

All soft tread, solid construction wheels are made at our factory in California using a Dual-Durometer rubber molding process. The core rubber compound is harder and provides firm support for the bearing and a solid base for the tread. The exterior tread is a softer Neoprene compound for quieter service. The two compounds are permanently vulcanized to provide a soft outer tread with the firmness required for the inner core.

WHY NEOPRENE?

Neoprene is the ideal material for soft rubber wheels because it is very resistant to wear, resists sunlight, ozone, and is not attacked by common chemicals, high temperatures, water, gasoline, oil or grease. Neoprene also has a better memory so it returns to and maintains its original shape faster and, therefore, takes less force to roll. Neoprene also lasts longer because it slips more easily than other rubber compounds.



Key to Darnell Description System

64	20	X	R	DN	X
Caster Series	Top Plate or Stem Numbers Designate Top Plate.	Bearing	R if Rigid	Wheel Material	Added Designations:
Wheel Diameter	Letters Designate Stem:	B – Plain Steel Bushing D – Delrin P – Plain Acetal T – Caged Roller X – Machined Ball PX – Sealed Precision Ball Y – Tapered Roller SS – Stainless Steel TB – Sealed Roller		AE – Advanced Elastomer ADI – Polyurethane CI – Cast Iron EZN – Extra-Soft Neoprene H – Hard Rubber KN – Hi-Cap Neoprene PR – Phenolic Resin PP – Polypropylene	Wheel Core Material Wheel Options Brakes & Locks Miscellaneous Special Features

Proven Performance and Lasting Quality since 1921.

Forged Steel Casters Built to Demanding Automotive Standards.

INTEGRALLY FORGED KING PIN.

Integrated King Pin is hot-forged with top plate and upper bearing raceway to be virtually indestructible! Unlike kingpinless style casters, this design permits use of tapered thrust bearings in the secondary raceway and it allows the user to tighten loose raceways that result from normal wear and tear. Integrated King Pin is warranted against failure or breakage.

HOT FORGED SAE-1050 STEEL BASE PLATE

HARDENED CHROME STEEL BALL BEARINGS

FLAME HARDENED BALL BEARING RACE INCORPORATED INTO BOTH THE BASE AND RIM PLATE.

GREASE ZERK TO PROVIDE LUBRICATION TO SWIVEL BEARINGS.

UPSET LANCED INTO SIDEFORK TO RETAIN AXLE BOLT.

TAPERED ROLLER BEARINGS ARE RETAINED WITH FLINGER STYLE CLOSURES TO RETAIN LUBRICATING GREASE AND EXCLUDE FOREIGN PARTICLES.

TAPERED ROLLER THRUST BEARING.

SLOTTED KING PIN NUT TO OBTAIN PROPER BEARING ADJUSTMENT.

GREASE ZERK TO PROVIDE LUBRICATION TO WHEEL BEARINGS.

WHEEL TREAD AVAILABLE IN STEEL, CAST IRON, RUBBER AND POLYURETHANE ON MOST CASTERS.

WHEEL BEARINGS AVAILABLE IN MANY SIZES, BOTH STRAIGHT AND TAPERED ROLLERS.

Key to Rose Description System



Casters

- SC - Swivel Caster
- RC - Rigid Caster
- SDC - Shock Absorbing Swivel Caster
- RDC - Shock Absorbing Rigid Caster
- TSC - Dual Wheel Swivel Caster
- TRC - Dual Wheel Rigid Caster

Series

110

Wheel Size

Fork Leg Designation:
Used to Specify Overall Height

83

Wheel Material

- CI - Cast Iron
- CS - Cast Steel
- FS - Drop Forged Steel
- FT - Flanged Track
- HDD - Heavy Duty Ductile
- PH - Phenolic, Heavy Duty
- PS - Polyurethane on Semi-Steel
- PSB - Soft Polyurethane on

PS

Options

- 2SL - Two Position Swivel Locks
- 4SL - Four Position Swivel Locks
- UWB - Universal Wheel Brake

4SL

Forged Steel Casters Built to Demanding Automotive Standards.

INTEGRALLY FORGED KING PIN.

CASTER APPLICATIONS

Darnell-Rose Standard Product Applications

SPECIFIC INDUSTRY	DARNELL-ROSE PRODUCT SERIES
AEROSPACE / AVIATION	
DUTY RANGE: MEDIUM TO SUPER-HEAVY DUTY	
Aircraft Jacking Stands	60, 70, 80
Aircraft Maintenance Stands	A100, D600, R-Series 600/500/100, 4500, 5200, 8000
Aircraft Manufacturing Plants	R-Series 400/500, 4500, 5200, SuperRail
Baggage Conveyor Systems	50, 60
Cargo Loaders	60 Series Air Cargo
Ground Support Equipment (general)	R-Series 400/100, Shock Absorbing
Engine Stands	5100 Shock Absorbing
Hangar Operations (general applications)	70, 80, A100, 20
Inflight Kitchens	50, 60, 60 Stainless & CartWash, 70, 80, A100, A100 Stainless
Inflight Trolleys: Food -- Beverage -- Trash	CartMaster & CartMaster Stainless
AUTOMOTIVE FACILITIES	
DUTY RANGE: LIGHT TO HEAVY DUTY	
Automobile Test Equipment	50, 60
Automobile Manufacturing Plants	R-Series (all models), Couplers, SuperRail
Gantries	70, 80, 20, A100, D600, 4-L, R-Series 695/400/650
Mobile Tool Chests	60, 70, 80, 20, A100
Tire Racks	70, 80, 20, A100
BAKERIES	
DUTY RANGE: LIGHT TO MEDIUM-HEAVY DUTY	
Carts	32 Dual Low Pro, 60, 70, 80, 20, A100 & Stainless
Dough Troughs	70, 80, 20, A100, R400
Ingredient Bins	60
Racks, Oven	60
Racks, Standard	60 with High Temp Wheels
DAIRIES / FOOD PROCESSING	
DUTY RANGE: LIGHT TO MEDIUM-HEAVY DUTY	
General Applications	60 Stainless, 60 & 80 CartWash
Food Service Carts	CarpetMaster, 32, CartMaster, 50, 60 Stainless & CartWash
Meat Processing Vats	70, 80, 20, A100
Seafood Holding Tanks	70, 80, 20, A100, A100 Stainless, R-Series 400/650
Seafood Processing	60 Stainless & CartWash, A100 Stainless
Wet / Chemical Environments	60 & A100 Stainless, 60 & 80 CartWash
FURNITURE & OFFICE	
DUTY RANGE: LIGHT TO MEDIUM-HEAVY DUTY	
Audio / Visual Equipment	50, 60
Business Equipment	32
Catalog Racks	50, 60
Chairs	CarpetMaster 2 & 3 Inch
Electronic Equipment	60, 70, 80, 20, A100, CR II-3, Lo-G 60, Conductive & SD Wheels
Mail Carts	50, 60
Mail Trucks	60, 70, 80, 20, A100
Mop Buckets	50
Paper Shredders	50
Portable Files	50
Typewriter Stands	50
Wood Furniture	50, CarpetMaster

Darnell-Rose Standard Product Applications

SPECIFIC INDUSTRY	DARNELL-ROSE PRODUCT SERIES
AEROSPACE / AVIATION	
DUTY RANGE: MEDIUM TO SUPER-HEAVY DUTY	



CASTER APPLICATIONS

SPECIFIC INDUSTRY	DARNELL-ROSE PRODUCT SERIES
HOSPITALS, MEDICAL FACILITIES & LABS	DUTY RANGE: LIGHT TO MEDIUM-HEAVY DUTY
Animal Cages	60, 70, 80, 20, A100, 60 & A100 Stainless, 60 & 80 CartWash
Diagnostic Equipment	60, 70, 80, 20, A100
Gurneys	60, 70, 80, 20, A100
IV Stands	30 Dual Low Pro, 13
Laboratory Equipment	60, 70, 80, 20, A100, 60 & A100 Stainless, 60 & 80 CartWash, CR II-3, Lo-G-60
Mobile Lab Equipment	50, 60
Waste Carts	60 & A100 Stainless, 60 & 80 CartWash, 20, A100
HOTELS & MOTELS	DUTY RANGE: LIGHT TO MEDIUM-HEAVY DUTY
Banquet Tables	50, 60, CarpetMaster
Bellman Carts	60, 70, 80, 20, A100
Bussing Carts	50, 60, CarpetMaster, CartMaster
Chair & Table Dollies	60, 70, 80, 20, A100
Chair Trucks	60
Dish Carts	60
Floor Scrubbers	70, 80, 20, A100
Food Service Carts	50, 32, 60 & 60 Stainless, CartMaster & CartMaster Stainless
Hampers	60
Hospital Bedside Stands	50, 60
Housekeeping Carts	50, 32, 60, 70, 80, 20, A100
Institutional Equipment	32, 60, 70, 80, 20, A100, Stainless
Janitorial Equipment	50, 60, 70, 80, 20, A100
Laundry Cans	60, 70, 80, 20, A100, Stainless
Laundry Hampers	50, 32, 60
Linen Carts	60
Luggage Carts	70, 80, 20, A100
Portable Bars	50, 60, CartMaster
Room Service Carts	50, 60, CarpetMaster, CartMaster
Table Trucks	60
LAUNDRIES/ DRY CLEANERS	DUTY RANGE: LIGHT TO MEDIUM-HEAVY DUTY
General Laundry	60 & 60 Stainless, 70, 80, 20, A100 & A100 Stainless
Laundry Hampers	50, 32, 60
Linen Carts	60
MANUFACTURING ENVIRONMENTS	DUTY RANGE: LIGHT TO EXTRA-HEAVY DUTY
A-Frame Trucks	70, 80, 20, A100
Agricultural Equipment	60, 70, 80, A100, R400
Assembly Line Dollies	60, 70, 80, 20, A100, R-Series 400/650/695
Autoclaves	High Temp Wheels
Boat Molding Dollies	70, 80, 20, A100
Box Trucks	70, 80, 20, A100
Conveyor Stands	60, 70, 80, A100, R695
Conveyors	70, 80, 20, A100, SuperRail
Cranes	A100, 70, 80, 20, R-Series 650/100
Die Handlers	A100, R-Series 400/650/120, Dual R-Series 100/110/120, SuperRail
Die Tables	A100, R-Series 400/650/100, SuperRail
Distribution Carts	70, 80, 20, A100, R-Series 110 & 120
SPECIFIC INDUSTRY	DARNELL-ROSE PRODUCT SERIES
HOSPITALS, MEDICAL FACILITIES & LABS	DUTY RANGE: LIGHT TO MEDIUM-HEAVY DUTY
Animal Cages	60, 70, 80, 20, A100, 60 & A100 Stainless

CASTER APPLICATIONS



SPECIFIC INDUSTRY DARNELL-ROSE PRODUCT SERIES

MANUFACTURING ENVIRONMENTS

DUTY RANGE: LIGHT TO EXTRA-HEAVY DUTY

Dollies	60, 70, 80, 20, A100
Drum Dollies	60
Dumping Hoppers	A100, R-Series 400/650/110/120
Electronic Assembly	50, 60, CarpetMaster, Conductive Wheels, Static Dissipative Wheels
Fixture Carts	60, 70, 80, 20, A100
Fixture Dollies	70, 80, 20, A100, R-Series 400/650/100/120
Furniture Dollies	60
Gantries	70, 80, 20, A100, R-Series 400/650/100
Glass Pane Carts	A100, R-Series 400/650
Handtrucks	Thermo-plastic rubber / Pneumatic wheels
Lift Tables	A100, R-Series 400/650
Machinery Dollies	60, 70, 80, 20, A100, R-Series 400/650/100/120
Mail Trucks	60, A100
Maintenance Carts	60, 70, 80, 20, A100
Material Handling Carts	60, 70, 80, 20, A100
Mobile Home Dollies	R-Series 650/100
Mobile Storage Racks	60, 70, 80, 20, A100
Mobile Tool Chests	60, 70, 80, 20, A100
Money/Change Carts	A100
Munitions	60, 70, 80, A100, Conductive & SD Wheels
Platform Trucks	70, 80, 20, A100, R-Series 400/650/110/120
Production Dollies	60, 70, 80, 20, A100, R-Series 400/650
Refuse Containers	60, 70, 80, 20, A100, R-Series 400/650/100/110/120, R100/110/120 Dual
Sample Carts	60, 70, 80, 20, A100
Security Carts	60, 70, 80, 20, A100
Shelf Trucks	60
Shipping & Receiving Carts	70, 80, 20, A100
Steel Box Dollies	R-Series 650/100
Steel Moving Trucks	A100, R400/650, R100/110/120 Dual
Turbine Engine Dollies	5100-Shock Absorbing

RESTAURANTS

DUTY RANGE: LIGHT TO MEDIUM-HEAVY DUTY

Banquet Tables	50, 60
Bussing Carts	50, 60
Chair & Table Dollies	CarpetMaster, 60, 70, 80, 20, A100
Chair Trucks	60
Corrosive, Wet Environments	60 & A100 Stainless, 60 & 80 CartWash
Dish Carts	60
Housekeeping Carts	50, 32 Dual Low Pro, 60, 70, 80, 20, A100
Mobile Kitchen Equipment	60, 60 Stainless & CartWash, 70, 80, 20, A100 & A100 Stainless
Salad Bars	60
Service Carts	50, 60
Service Tables	60
Steam Tables	60, 70, 80, 20, A100
Table Trucks	60, 70, 80, 20, A100

SCHOOLS, COLLEGES, UNIVERSITIES

DUTY RANGE: LIGHT TO MEDIUM-HEAVY DUTY

Banquet Tables	50, 60
Chair & Table Dollies	60, 70, 80, 20, A100
Chair Trucks	60

SPECIFIC INDUSTRY DARNELL-ROSE PRODUCT SERIES

MANUFACTURING ENVIRONMENTS

DUTY RANGE: LIGHT TO EXTRA-HEAVY DUTY

Dollies	60, 70, 80, 20, A100
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CASSTER APPLICATIONS

Floor Scrubbers	70, 80,20, A100
Gymnasium Equipment	60, StageMaster
Janitorial Equipment	50, 60, 70, 80, 20, A100
School Furniture	CarpetMaster, 32 Dual Low Pro, 60, 70, 80, 20, A100
Table Trucks	60, 70, 80, 20, A100
Stage & Theatrical Equipment	60, 70, 80, A100, StageMaster

SUPERMARKETS & DEPARTMENT STORES DUTY RANGE: LIGHT TO MEDIUM-HEAVY DUTY

Bakery Carts	32 Dual Low Pro, 60, 70, 80, 20, A100, Stainless
Bread Racks	60
Department Stores	32 Dual Low Pro, 60, 70, 80, 20, A100
Display Racks & Stands	50, 60, 70, 80, 20, A100
Floor Scrubbers	70, 80, 20, A100
Garment Racks	50, 60
Point of Purchase Displays	50, 60
Retail Store Trucks	60, 70, 80, 20, A100

TEXTILE PLANTS DUTY RANGE: MEDIUM TO HEAVY DUTY

Dye Trucks	70, 80, 20, A100
Finishing Carts	A100, R400, R650
Roving Cans	60, 70, 80, 20, A100
Spool Trucks	60

If your application is not listed above please contact factory for assistance.

Conversion Reference Chart

INCHES FRACTIONS	INCHES DECIMAL	MILLIMETERS	INCHES FRACTIONS	INCHES DECIMAL	MILLIMETERS
1/64	0.0156	0.397	41/64	0.6406	16.272
1/32	0.0313	0.794	21/32	0.6563	16.669
3/64	0.0469	1.191	43/64	0.6719	17.066
1/16	0.0625	1.588	11/16	0.6875	17.463
5/64	0.0781	1.984	45/64	0.7031	17.859
3/32	0.0938	2.381	23/32	0.7188	18.256
7/64	0.1094	2.778	47/64	0.7344	18.653
1/8	0.1250	3.175	3/4	0.7500	19.050
9/64	0.1406	3.572	49/64	0.7656	19.447
5/32	0.1563	3.969	25/32	0.7813	19.844
11/64	0.1719	4.366	51/64	0.7969	20.241
3/16	0.1875	4.763	13/16	0.8125	20.638
13/64	0.2031	5.159	53/64	0.8281	21.034
7/32	0.2188	5.556	27/32	0.8438	21.431
15/64	0.2344	5.953	55/64	0.8594	21.828
1/4	0.2500	6.350	7/8	0.8750	22.225
17/64	0.2656	6.747	57/64	0.8906	22.622
9/32	0.2813	7.144	29/32	0.9063	23.019
19/64	0.2969	7.541	59/64	0.9219	23.416
5/16	0.3125	7.938	15/16	0.9375	23.813
21/64	0.3281	8.334	61/64	0.9531	24.209
11/32	0.3438	8.731	31/32	0.9688	24.606
23/64	0.3594	9.128	63/64	0.9844	25.003
3/8	0.3750	9.525	1	1.0000	25.400
25/64	0.3906	9.922	2	2.0000	50.800
13/32	0.4063	10.319	3	3.0000	76.200
27/64	0.4219	10.716	4	4.0000	101.600
7/16	0.4375	11.113	5	5.0000	127.000
29/64	0.4531	11.509	6	6.0000	152.400
15/32	0.4688	11.906	7	7.0000	177.800
31/64	0.4844	12.303	8	8.0000	203.200
1/2	0.5000	12.700	9	9.0000	228.600
33/64	0.5156	13.097	10	10.0000	254.000
17/32	0.5313	13.494	11	11.0000	279.400
35/64	0.5469	13.891	12	12.0000	304.800
9/16	0.5625	14.288	13	13.0000	330.200
37/64	0.5781	14.684	14	14.0000	355.600
19/32	0.5938	15.081	15	15.0000	381.000
39/64	0.6094	15.478	16	16.0000	406.400

Floor Scrubbers	70, 80,20, A100
Gymnasium Equipment	60, StageMaster
Janitorial Equipment	50, 60, 70, 80, 20, A100
School Furniture	CarpetMaster, 32 Dual Low Pro, 60, 70, 80, 20, A100

CARTMASTER

FAA-PMA
PQ2208NM

for Inflight Trolleys



Part Number 621050
- PMA Part -
Other FAA PMA items available

NEW
Single Rigid Cartmaster

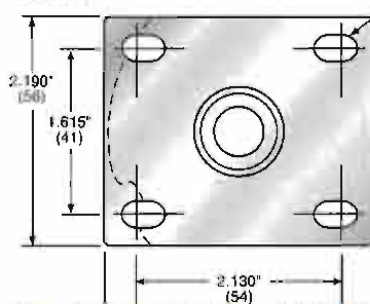
For years, Airlines have suffered with the high cost of inferior meal and beverage cart casters. The new Darnell **CartMaster** is the answer to this problem. Our patented design makes brake adjustment, wheel replacement, lubrication, and damaged swivels a thing of the past. Flight attendants love how easily carts swivel and roll when equipped with **CartMaster** casters. Specially designed Neoprene wheels reduce expensive cart damage by absorbing shock on both carpeted and non-carpeted surfaces. In addition, tests prove that **CartMaster** wheels last 5 to 10 times longer than ordinary wheels used in competitive casters. The **CartMaster** fits nearly all existing meal and beverage carts in today's fleets with a center brake mechanism adjusted and preinstalled at the factory.

The **CartMaster** by Darnell-Rose is a maintenance free caster that will greatly reduce the high cost of expensive caster replacement and installation.



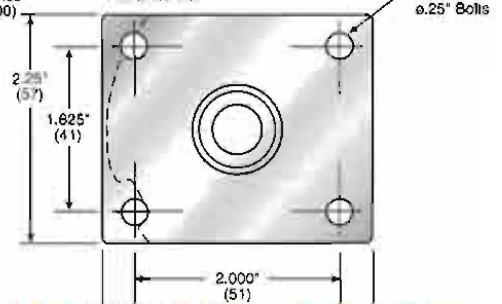
TOP PLATE

STANDARD



Slotted Holes
(.200 x .500)

ALTERNATE



Holes for
ø.25" Bolts

Can Your Airline Cart Caster Pass the Darnell-Rose Pre-flight Inspection?

Is your cart easy to push or pull?

For years, Airlines have suffered with the

ER
MA
NM



Stainless steel pin, spring, and rivet will not corrode.

Gray non-marking wheels ensure cleaner carpets.

Thread guards prevent floor debris from snagging wheels.

Soft Neoprene tread absorbs shock to stabilize carts.

Two layer hard inner core adds strength to support heavy loads.

Universal mounting plate installs easily on nearly all carts.

Heat treated caster assembly withstands severe shock loads without failure.

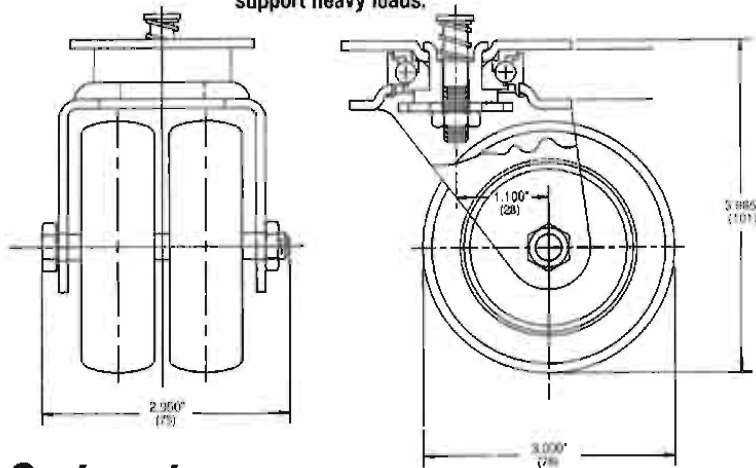
Ball bearings require less effort to push/pull cart through narrow aisles.

Patented **RADIAL-THRUST BEARING** uses the latest technology to assure easy swivel movement and longer life. Sealed bearing is permanently greased at the factory and will never require maintenance or lubrication. Withstands shock loads much better than conventional swivel bearings.



FAA PMA
PQ2208NM
Meets FAR
& Boeing
Specifications

Also Available in
Stainless Steel
P/N 622052



Cartmaster

Diameter	Tread Width	Load Capacity	Brake Pin Height Inches (mm)	Part Number	Approx. Weight Pounds (kg)	Overall Height	Swivel Radius Inches (mm)	Top Plate	Finish
3 (76.2 mm) each wheel	7/8 (22.23 mm) each wheel	200 lbs (90 kg)	.312 (7.92)	621050-PMA	1.72 (.78)	3.985 (101.22 mm)	2.6 (66.04)	A	Bright Zinc
			(Non-Brake)	621050-02	1.62 (.74)		2.6 (66.04)	A	Bright Zinc
			.295 (7.49)	621050-03	1.72 (.78)		2.6 (66.04)	A	Yellow Zinc Chromate
			.375 (9.53)	621050-04	1.72 (.78)		2.6 (66.04)	A	Bright Zinc
			.220 (5.59)	621050-05	1.72 (.78)		2.6 (66.04)	A	Bright Zinc
			.118 (3.00)	621050-06	1.72 (.78)		2.6 (66.04)	A	Yellow Zinc Chromate
			.312 (7.92)	621050-07	1.72 (.78)		2.6 (66.04)	A	Yellow Zinc Chromate
			(Non-Brake)	621050-08	1.62 (.74)		2.6 (66.04)	A	Yellow Zinc Chromate
			.270 (6.86)	621050-09	1.72 (.78)		2.4 (60.96)	A	Yellow Zinc Chromate
			.330 (8.38)	621050-10	1.72 (.78)		2.4 (60.96)	B	Bright Zinc
			.312 (7.92)	622052	1.72 (.78)		2.6 (66.04)	A	Stainless Steel

Rigid Cartmaster with Brakes

Diameter	Tread Width	Load Capacity	Brake Pin Height Inches (mm)	Part Number	Approx. Weight Pounds (kg)	Overall Height	Swivel Radius Inches (mm)	Top Plate	Finish
3	1 1/4	200 lbs	.138 (3.51)	621923-PMA	1.18 lb	4.105	(none)	A	Yellow Zinc Chromate



Gray non-marking wheels ensure cleaner carpets.

Universal mounting plate installs easily on nearly all carts.

STAGEMASTER

Product Description

Primarily used in the theatrical and movie making industry for moving scenery, props and stage equipment. StageMaster incorporates three swiveling casters attached to a heavy-duty swiveling platform base that easily mounts to the item to be moved. The swiveling action of the casters combined with the swiveling action of the platform base allows the operator to easily maneuver heavy, awkward devices in tight quarters with relative ease.

Typical Uses Include:

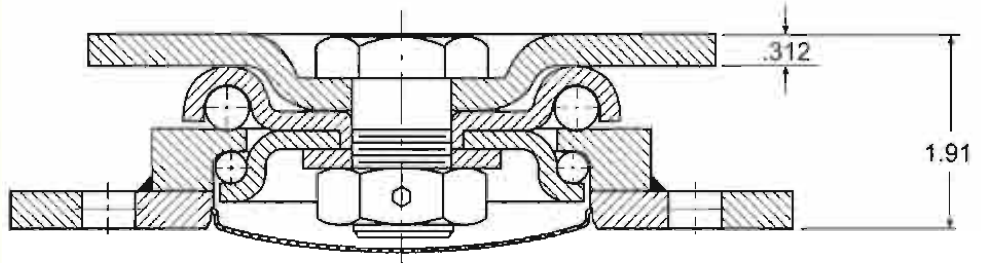
- Props
- Scenery
- Cameras
- Lighting Equipment
- Sound Equipment
- Road Boxes and Cases
- Signs
- Backdrops

Quality Features

- **SINGLE OR DUAL-WHEEL CASTER DESIGN**
Choose dual-wheel caster version with 2" or 2-1/2" diameter wheels or single-wheel caster version with 2-1/2" or 3" diameter wheel.
- **FOUR-SIDED, DOUBLE BALL RACEWAY.**
Hardened steel ball bearings in the load bearing and secondary thrust bearing touch the swivel raceway "on all four sides." This protects the central king pin from shock loading for free swiveling under heavy loads.
- **HEAT-TREATED MOVING PARTS.**
All moving parts are heat treated to a precise molecular depth and Rockwell hardness. This extends StageMaster life under rugged conditions and shock loads.
- **RACEWAY DUST CAPS ON CASTERS / UNDERBODY SEAL ON PLATFORM BASE.**
Dust caps and underbody seal protects raceways from contamination by dust, dirt, moisture and other debris.
- **THREAD GUARDS.**
Single-wheel versions only. Keeps unwanted materials out of wheel bearings thus increasing the life of the StageMaster assembly.



FOUR SIDED DOUBLE BALL BEARING RACEWAY



Options

- Increased Capacities
- Black Oxide Finish
- Wheel Brakes
(consult factory)
- Wheel Materials & Diameters

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DARNELL-ROSE

Wheel Selection

ADVANCED ELASTOMER

PAGE 82



NEOPRENE

PAGE 84



EXTRA-SOFT NEOPRENE

PAGE 90



HARD RUBBER

PAGE 88



Product Description

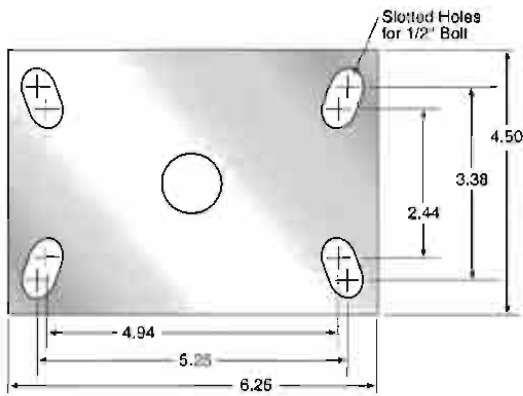
Primarily used in the theatrical and movie making industry for moving scenery, props

Quality Features

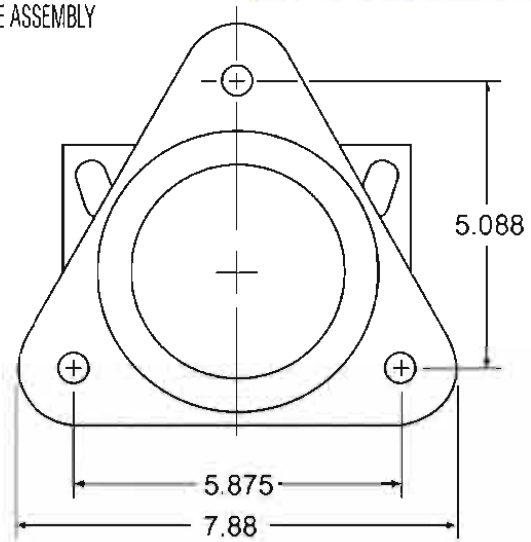
- **SINGLE OR DUAL-WHEEL CASTER DESIGN**
Choose dual-wheel caster version with 2" or

TOP PLATE

STANDARD



PLATFORM BASE ASSEMBLY



Diameter	Tread Width	Load Capacity	Wheel Material	Wheels Per Caster	Bearing Type	StageMaster Part Number	Approx. Weight	Overall Height
—	—	1800	N/A	0	N/A	StageMaster-600-6 (no casters)	8 lbs.	1"
2	$\frac{7}{8}$	750	Neoprene Rubber (donut)	2	Ball	StageMaster-600-32-XDN-RD	13½ lbs.	5"
		750	Neoprene Rubber	2	Ball	StageMaster-600-32-XDN	13½ lbs.	5"
		900	Hard Rubber	2	Ball	StageMaster-600-32-XH	13½ lbs.	5"
		1200	Advanced Elastomer	2	Ball	StageMaster-600-32-XAE	13½ lbs.	5"
2½	$\frac{7}{8}$	750	Neoprene Rubber (donut)	2	Ball	StageMaster-600-32-1/2-XDN-RD	14 lbs.	5½"
		750	Neoprene Rubber	2	Ball	StageMaster-600-32-1/2-XDN	14 lbs.	5½"
		1050	Hard Rubber	2	Ball	StageMaster-600-32-1/2-XH	14 lbs.	5½"
	$1\frac{1}{4}$	1200	Advanced Elastomer	1	Ball	StageMaster-600-62-1/2-XAE	12½ lbs.	5½"
3	2	1800	Advanced Elastomer	1	Precision Ball	StageMaster-600-83-PXAE	20 lbs.	6"



STANDARD

PLATFORM BASE ASSEMBLY

Slotted Holes for 1/2" Bolt



SUPERAIL CONVEYOR SYSTEM

Product Description

This highly durable and exceptionally strong conveyance roller rail system is engineered to hold extreme loads in a confined area. Superail takes a beating like no other conveyor roller system. With optional air brake system load speeds can be controlled from slow to dead stop at critical points in the line. Rails can be attached inline with existing roller conveyance system or as a stand-alone conveyor line. Placing multiple rails in parallel in a conveying line increases max line load by an equivalent factor.

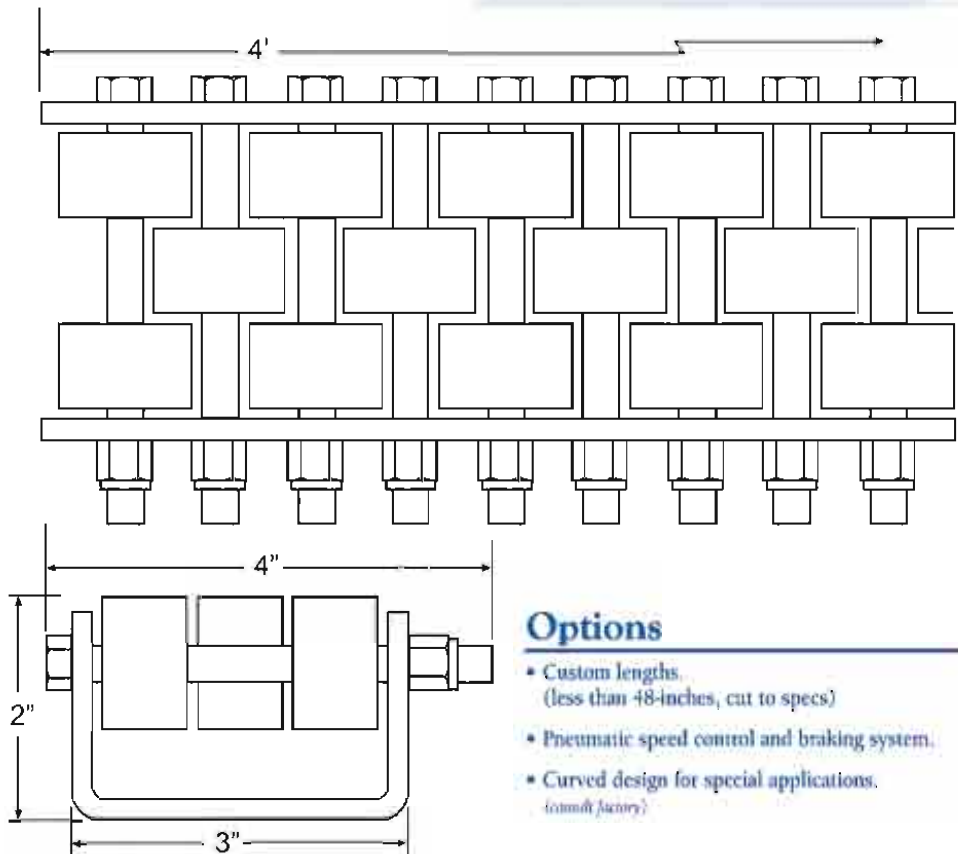
Typical Superail Conveyance Applications:

- Machinery Relocation
- Tool and Die set-ups
- Bins, Containers and Pallets
- Steel Billets
- Military Weapons

Quality Features

- **EXTREMELY HIGH LOADING CAPACITY.**
More roller bearings per lineal inch allows loads as high as 48000 lbs for each 48-inch section of Superail and 24,000 lbs for each 48-inch section of Mini-Superail. Add additional lengths in parallel for even more loading capacity.
- **2-INCH PROFILE.**
Allows more rollers to be installed within the boundaries of the conveying area. Excellent for tall loads.
- **SELF-CLEANING.**
Open, precision crafted rollers prevent dirt from entering bearings and causing premature failure. Open track allows easy cleaning of channel with common air hose.
- **NO LUBRICATION REQUIRED.**
Reduces conveyor line downtime and overall maintenance costs.
- **LOW PROFILE VERSATILE MOUNTING.**
Mount face up, face down, vertically or at an angle depending on work flow. Can be welded or bolted to supporting surface. Floating bearing design compensates for uneven supporting surface.

Note: Superail and Mini-Superail must be fully supported for maximum safety.



Options

- Custom lengths.
(less than 48-inches, cut to specs)
- Pneumatic speed control and braking system.
- Curved design for special applications.
(inquiry)

Product Description

This highly durable and exceptionally strong conveyance roller rail

Quality Features

SUPERAIL

Pushing Gravity
to the Limit!



Assembly	Length (Inches)	Width (Inches)	Height (Inches)	Max. Load per roll (lbs)	Bearings per 48" length	Weight (lbs)
SuperRail	48	3	2	48,000	87	38
Mini-SuperRail	48	3	2	24,000	58	38



NATIONAL SANITATION
FOUNDATION



UNDERWRITERS
LABORATORY



INDUSTRY MANUFACTURERS COUNCIL



DARNELL-ROSE

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LIMITED 3 YEAR WARRANTY

The warranty for wheels and casters is conditional upon the equipment being correctly applied within the environment for which it was designed. All listed capacities are based on intermittent use within the load limit and at speeds not in excess of 3-mph. Darnell-Rose

products are not intended for human conveyance or amusement rides. In all cases our liability shall be limited to the factory invoice of the product. **Refer to the inside back cover of this catalog for full warranty details.**

SUPERAIL

CARPETMASTER

Load Capacity: 110 to 165 lbs.

SERIES

Positively the BEST Caster for office chairs or hospital I.V. poles! Our "silent" donut-style wheel is compounded with a highly resilient extra-soft neoprene rubber which enables this caster to swivel and roll even on heavy pile carpet. Eliminates the need for floor mats under office chairs.

For use on the following:

- Executive High-Back Office Chairs
- Conference Room Chairs
- Ergonomic Work Stations
- Static Sensitive Environments
- High-end Dinettes
- Hospital I.V. Poles

Ball bearing wheels and standard flanged guards* eliminates snag and prevents dropping. A much better alternative to cheap plastic twin-wheel casters.

*Thread guards apply to 3-inch models only



Quality Features

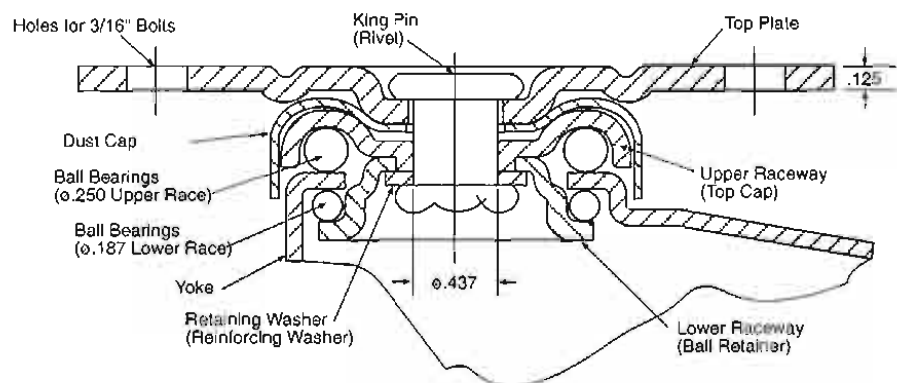
- **FOUR-SIDED, DOUBLE BALL RACEWAY.** Hardened steel ball bearings touch upper and lower swivel raceway "on all four sides." This protects the pin from shock loading for free swiveling under heavy loads.
- **HEAT-TREATED MOVING PARTS.** All moving parts are hardened to a precise molecular depth and Rockwell hardness. This extends caster life under rugged conditions and shock loads.
- **THREAD GUARDS.** Thread guards keep unwanted materials out of the wheel bearings thus increasing the life of the caster. Thread guards are standard on nearly all Darnell wheels (except 2" diameter).
- **SILENT, DONUT-STYLE WHEELS.** Highly resilient Neoprene wheel is extra-soft and is standard with ball bearings for a smooth and quiet ride.
- **LUSTROUS DECORATIVE FINISHES.** Highly polished chrome finish adds beauty to functionality. Brass and other decorative finishes also available.

Options

- Hollow King Pin for bolt mounting
- Powder Coating
- Gray, Non-Marking Wheels
- Conductive or Static Dissipative Wheels



FOUR SIDED DOUBLE BALL BEARING RACEWAY 50 SERIES



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DARNELL-ROSE
EST. 1954

Wheel Selection

NEOPRENE RUBBER

PAGE 84



HI-CAP NEOPRENE

PAGE 86



EXTRA-SOFT NEOPRENE

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HARD RUBBER

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CARPETMASTER

Load Capacity: 110 to 165 lbs.

Quality Features

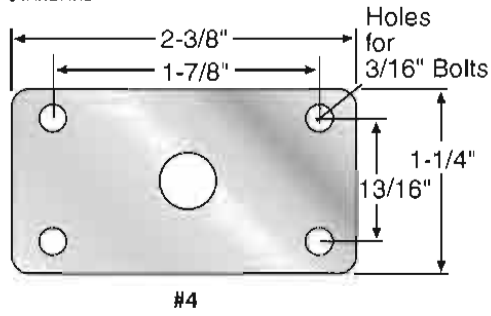
- **FOUR-SIDED, DOUBLE BALL RACEWAY.**

Positively the BEST Caster for office chairs

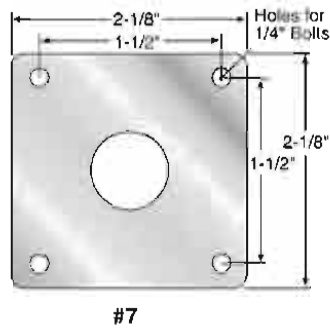
OFFICE

TOP PLATE

STANDARD



ALTERNATE



CARPETMASTER CARPETMASTER 2 Office Chair



STEMS

"O" STEM TABLE



Dimension D	Dimension L	Stem Number
3/8"	1"	O13-38-1
*3/8"	1-1/4"	O13-38-114
7/16"	1"	O13-716-1
*7/16"	1-1/4"	O13-716-114
*7/16"	1-1/2"	O13-716-112

Other stem sizes and dimensions available.
*Special Order/Minimum Quantity

"K" stem



"BF" stem



"L" STEM TABLE



Dimension T	Dimension L	Stem Number
3/8"-16	1"	L13-3816-1
*3/8"-15	1-1/4"	L13-3815-114
7/16"-14	1"	L13-71614-1
*7/16"-14	1-1/4"	L13-71614-114

Other stem sizes and dimensions available.
*Special Order/Minimum Quantity

"S" stem



For effective load height, subtract .125" from overall height for stem casters.

Brake available on 3-inch Carpetmaster

SOCKETS

R-type — Round



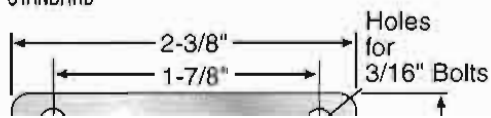
R-type — Square



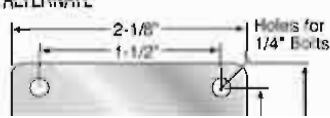
See page 20 (50 Series) for socket table.

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
2	$1\frac{5}{16}$	90	EXTRA SOFT NEOPRENE	BALL	C2-0-XEZN-RD	N/A	.7	2-3/4	2
			ROUND DONUT / NEOPRENE	BALL	C2-0-XDN-RD	N/A			
			HI-CAP NEOPRENE	BALL	C2-0-XKN-RD	N/A			
			HARD RUBBER	BALL	C2-0-XH-RD	N/A			
3	$1\frac{5}{16}$	100	EXTRA SOFT NEOPRENE	ACETAL	C3-0-PEZN-RD	N/A	1	4	3-1/16
			ROUND DONUT / NEOPRENE	BALL	C3-0-XEZN-RD	N/A			
			ACETAL	C3-0-PDN-RD	N/A				
			BALL	C3-0-XDN-RD	N/A				
			STATIC DISAPATIVE POLYURETHANE	BALL	C3-0-XADI-SDX	N/A			
			PLAIN	C3-0-BADI-SDX	N/A				
			ACETAL	C3-0-PKN-RD	N/A				
			BALL	C3-0-XKN-RD	N/A				
135	HI-CAP NEOPRENE	ACETAL	C3-0-PKN-RD	N/A					
		BALL	C3-0-XKN-RD	N/A					

STANDARD



ALTERNATE



50

SERIES

Light-Duty Industrial

Load Capacity: 100 to 200 lbs.

Quality Features

- FOUR-SIDED, DOUBLE BALL RACEWAY.**
 Hardened steel ball bearings touch upper and lower swivel raceway "on all four sides." This protects the pin from shock loading for free swiveling under heavy loads.
- HEAT-TREATED MOVING PARTS.**
 All moving parts are hardened to a precise molecular depth and Rockwell hardness. This extends caster life under rugged conditions and shock loads.
- RACEWAY DUST CAP.**
 Dust cap protects the raceway from contamination by dust, dirt, moisture, and other environmental debris. While standard on the 50 Series casters, these are usually not available on most competitive brands.
- THREAD GUARD.**
 Thread guards keep unwanted materials out of the wheel bearings thus increasing the life of the caster. Thread guards are standard on nearly all 50 Series wheels.



Options

- Maintenance Free Swivel Bearings
- High-Temperature Wheels (+550°F)
- Conductive Wheels
- Gray, Non-Marking Wheels
- Powder Coated Finishes

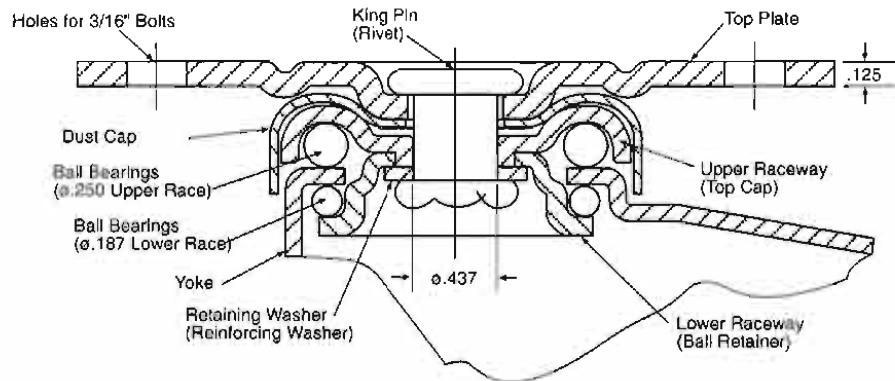
Sturdy light-duty casters for industrial furniture and equipment that is used frequently under demanding conditions and heavier loads.

Typical Applications Include:

- Tool Chests
- Laundry Carts
- Metal Shop Equipment
- Disk Storage Devices
- Utility Tables
- Audio/Visual Stands
- Cafeteria Tables
- Food Serving Carts

Available in either corrosion-resistant zinc-plated steel or corrosion-free **Stainless Steel**. Simply the toughest caster for demanding light-duty applications.

FOUR SIDED DOUBLE BALL BEARING RACEWAY 50 SERIES



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Wheel Selection

NEOPRENE RUBBER

PAGE 84



HI-CAP NEOPRENE

PAGE 60



EXTRA-SOFT NEOPRENE

PAGE 90



HARD RUBBER

PAGE 98



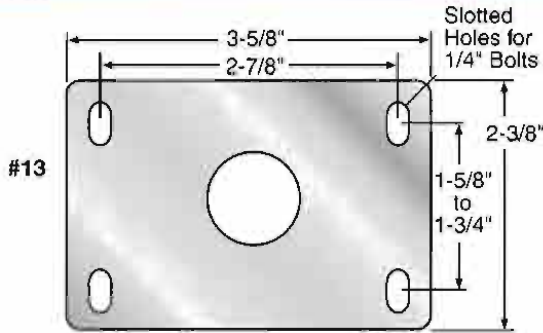
Load Capacity: 100 to 200 lbs.

Quality Features

- FOUR-SIDED, DOUBLE BALL RACEWAY.

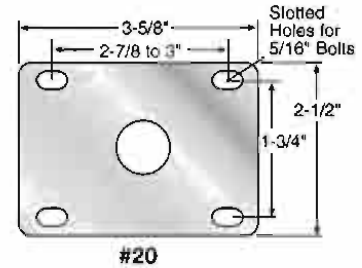
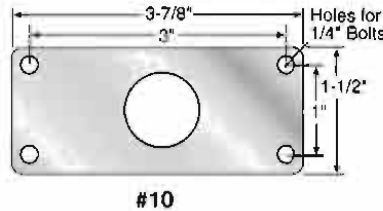
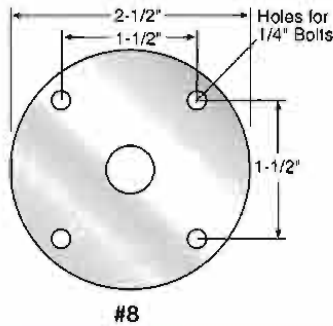
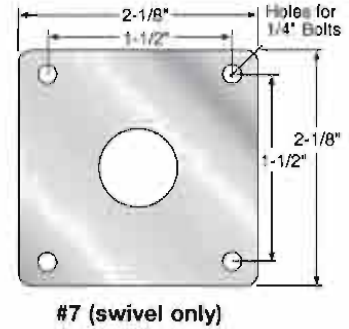
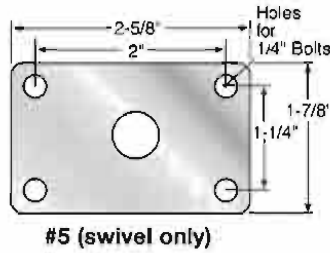
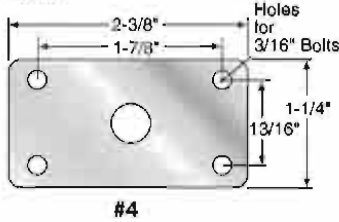
TOP PLATE

STANDARD



Light-Duty Industrial

ALTERNATES



STEMS

"O" STEM TABLE

Dimension D	Dimension L	Stem Number
3/8"	1"	O50-38-1
3/8"	1-1/4"	O50-38-114
7/16"	1"	O50-716-1
7/16"	1-1/4"	O50-716-114
7/16"	1-1/2"	O50-716-112

Other stem sizes and dimensions available.

"L" STEM TABLE

Dimension T	Dimension L	Stem Number
3/8"-16	3/4"	L50-3816-34
3/8"-16	1"	L50-3816-1
3/8"-16	1-1/4"	L50-3816-114
7/16"-14	1"	L50-71614-1
7/16"-14	1-1/4"	L50-71614-114
1/2"-13	1-1/2"	L50-1213-112

Other stem sizes and dimensions available.

"E" STEM TABLE

Dimension D		Dimension L	Stem Number
ROUND	SQUARE		
3/8"	3/8"	1"	E50-38-1
3/8"	3/8"	1-1/4"	E50-38-114
7/16"	7/16"	1"	E50-716-1
7/16"	7/16"	1-1/4"	E50-716-114
7/16"	7/16"	1-1/2"	E50-716-112
1-1/8"	1-1/8"	2"	E50-875-2
1-3/4"	1-3/4"	2"	E50-1375-2
1-7/8"	1-7/8"	2"	E50-1475-2
1-9/8"	1-9/8"	2"	E50-1575-2

"S" stem
Special Order



2" and 2-1/2" only

"K" stem



2" and 2-1/2" only

"7/8" square" stem



"LP" stem



"LPC" stem



For effective load height, subtract .125" from overall height for stem casters.

POLYOLEFIN

PAGE 106



POLYURETHANE

PAGE 98



THERMO PLASTIC RUBBER

PAGE 94

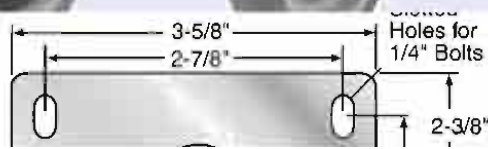


CAST IRON HUB

PAGE 100



STANDARD



SERIES *continued*

SOCKETS

R-type — Round



R-type — Square



PLASTIC SOCKETS FOR "K" STEM CASTERS

Part Number	Tubing I.D. Round	Tubing I.D. Square	Socket Type
441413	5/8"	19/32"	Round
441414	xxx	5/8"	Square
441411	3/4"	23/32"	Round
441825	25/32"	47/64"	Round
441415	7/8"	27/32"	Round
441416	xxx	7/8"	Square
441409	15/16"	29/32"	Round
441406	1"	15/16"	Round
441826	xxx	1"	Square
441404	1-1/16"	1"	Round

Members of:



NATIONAL SANITATION
FOUNDATION



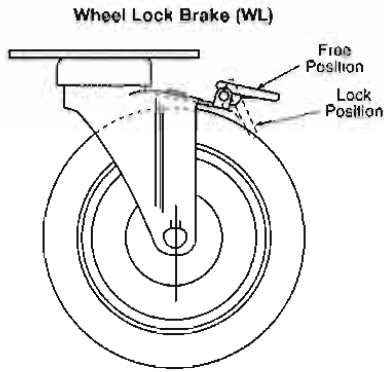
INDUSTRY MANUFACTURERS COUNCIL



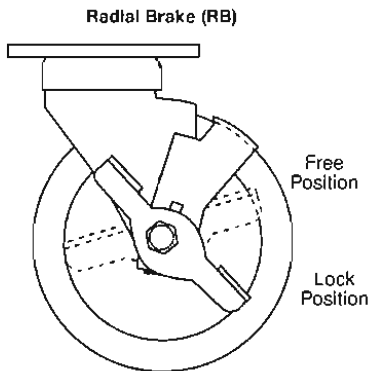
LIMITED 3 YEAR WARRANTY

The warranty for wheels and casters is conditional upon the equipment being correctly applied within the environment for which it was designed. All listed capacities are based on intermittent use within the load limit and at speeds not in excess of 3-mph.. Darnell-Rose

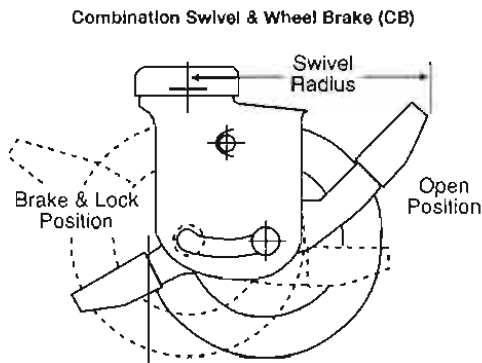
products are not intended for human conveyance or amusement rides. In all cases our liability shall be limited to the factory invoice of the product. *Refer to the inside back cover of this catalog for full warranty details.*



For 2", 2-1/2", 3", 4", and 5".



For 3", 4" and 5" only.



For 3", 4" and 5" only.

Wheel Lock Brake

This simple, but effective nylon wheel lock is designed especially for light duty institutional market. (ie. hospitals, schools, offices, etc.) Most effective on casters with soft wheels. Requires only a slight pressure downward to engage the wheel lock and an equally slight pressure upwards to disengage it.

Radial Brake

Exceptional brake for light and medium duty applications, either industrial or institutional. Side pedal engages tread lock to restrain wheel movement. Brake kit available for field installation.

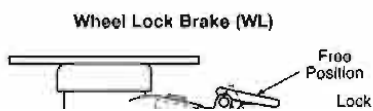
Combination Swivel & Wheel Brake

This foot lever operated combination swivel lock and wheel brake maintains the same height whether the brake is engaged or in the released position. Also, the same height is maintained when used with its companion casters as the swivel or rigid. For easy operation by simply stepping on the foot lever in the high position and reversing the action to release the brake to a free rolling position.

Light-Duty Industrial



Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius	
2	1	100	NEOPRENE RUBBER	ACETAL	52-13-PDN	52-13-PRDN	1	2-7/8	1-13/16	
				BALL	52-13-XDN	52-13-XRDN				
			HI-CAP NEOPRENE	ACETAL	52-13-PKN	52-13-PRKN				
				BALL	52-13-XKN	52-13-XRKN				
			150	ROUND DONUT / NEOPRENE	ACETAL	52-13-PDN-RD				52-13-PRDN-RD
				HARD RUBBER	ACETAL	52-13-PH				52-13-PRH
		ACETAL			52-13-PH-RD	52-13-PRH-RD				
		HI-CAP NEOPRENE		ACETAL	52-13-PKN-RD	52-13-PRKN-RD				
		CAST IRON	PLAIN	52-13-BCI	52-13-BRCI	1-3/8				
		POI YOI FFIN	PLAIN	52-13-BPO	52-13-BRPO	1				



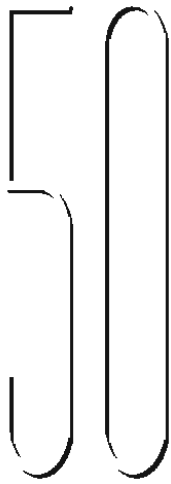
Wheel Lock Brake

This simple, but effective nylon wheel lock

50 Series

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
2 1/2	1	110	NEOPRENE RUBBER	ACETAL	52 1/2-13-PDN	52 1/2-13-PRDN	1-1/8	3-5/8	2
				BALL	52 1/2-13-XDN	52 1/2-13-XRDN			
		140	HI-CAP NEOPRENE	ACETAL	52 1/2-13-PKN	52 1/2-13-PRKN	1-11/16		
				BALL	52 1/2-13-XKN	52 1/2-13-XRKN			
		165	CAST IRON	PLAIN	52 1/2-13-BCI	52 1/2-13-PRCI	1-1/8		
				BALL	52 1/2-13-PH	52 1/2-13-PRH			
		HARD RUBBER	ACETAL	52 1/2-13-XH	52 1/2-13-XRH				
3	15/16	110	EXTRA SOFT NEOPRENE	ACETAL	53-13-PEZN-RD	53-13-PREZN-RD	1-3/16	4-1/8	2-7/8
				BALL	53-13-XEZN-RD	53-13-XREZN-RD			
		125	ROUND DONUT / NEOPRENE	ACETAL	53-13-PDN-RD	53-13-PRDN-RD			
				BALL	53-13-XDN-RD	53-13-XRDN-RD			
		165	HARD RUBBER	ACETAL	53-13-PH-RD	53-13-PRH-RD			
				BALL	53-13-XH-RD	53-13-XRH-RD			
	7/8	120	NEOPRENE RUBBER	ACETAL	53-13-PDN	53-13-PRDN			
				BALL	53-13-XDN	53-13-XRDN			
		135	HI-CAP NEOPRENE	ACETAL	53-13-PKN	53-13-PRKN			
				BALL	53-13-XKN	53-13-XRKN			
	165	HARD RUBBER	ACETAL	53-13-PH	53-13-PRH				
			BALL	53-13-XH	53-13-XRH				
	185	POLYOLEFIN	PLAIN	53-13-BPO	53-13-BRPO				
			BALL	53-13-XPD-M-PO-55	53-13-XRPD-M-PO-55				
			PLAIN	53-13-BPD-M-PO-55	53-13-BRPD-M-PO-55				
1	100	EXTRA SOFT THERMO-PLASTIC RUBBER	BALL	53-13-XPD-M-PO	53-13-XRPD-M-PO				
			PLAIN	53-13-BPD-M-PO	53-13-BRPD-M-PO				
	150	THERMO-PLASTIC RUBBER	BALL	53-13-XADI-M-PO	53-13-XRADI-M-PO				
	200	POLYURETHANE / POLYOLEFIN HUB	PLAIN	53-13-BADI-M-PO	53-13-BRADI-M-PO				
4	15/16	110	EXTRA SOFT NEOPRENE	ACETAL	54-13-PEZN-RD	54-13-PREZN-RD	1-9/16	5-1/8	3-3/8
				BALL	54-13-XEZN-RD	54-13-XREZN-RD			
		125	ROUND DONUT / NEOPRENE	ACETAL	54-13-PDN-RD	54-13-PRDN-RD			
				BALL	54-13-XDN-RD	54-13-XRDN-RD			
		185	HARD RUBBER	ACETAL	54-13-PH-RD	54-13-PRH-RD			
				BALL	54-13-XH-RD	54-13-XRH-RD			
	7/8	120	NEOPRENE RUBBER	ACETAL	54-13-PDN	54-13-PRDN			
				BALL	54-13-XDN	54-13-XRDN			
		135	HI-CAP NEOPRENE	ACETAL	54-13-PKN	54-13-PRKN			
				BALL	54-13-XKN	54-13-XRKN			
	185	HARD RUBBER	ACETAL	54-13-PH	54-13-PRH				
			BALL	54-13-XH	54-13-XRH				
	1	POLYOLEFIN	PLAIN	54-13-BPO	54-13-BRPO				
			BALL	54-13-XPD-M-PO-55	54-13-XRPD-M-PO-55				
			PLAIN	54-13-BPD-M-PO-55	54-13-BRPD-M-PO-55				
1	110	EXTRA SOFT THERMO-PLASTIC RUBBER	BALL	54-13-XPD-M-PO	54-13-XRPD-M-PO				
			PLAIN	54-13-BPD-M-PO	54-13-BRPD-M-PO				
	160	THERMO-PLASTIC RUBBER	BALL	54-13-XADI-M-PO	54-13-XRADI-M-PO				
	200	POLYURETHANE / POLYOLEFIN HUB	PLAIN	54-13-BADI-M-PO	54-13-BRADI-M-PO				
5	15/16	110	EXTRA SOFT NEOPRENE	ACETAL	55-13-PEZN-RD	55-13-PREZN-RD	2	6-1/8	3-7/8
				BALL	55-13-XEZN-RD	55-13-XREZN-RD			
		125	ROUND DONUT / NEOPRENE	ACETAL	55-13-PDN-RD	55-13-PRDN-RD			
				BALL	55-13-XDN-RD	55-13-XRDN-RD			
		185	HARD RUBBER	ACETAL	55-13-PH-RD	55-13-PRH-RD			
				BALL	55-13-XH-RD	55-13-XRH-RD			
	7/8	120	NEOPRENE RUBBER	ACETAL	55-13-PDN	55-13-PRDN			
				BALL	55-13-XDN	55-13-XRDN			
		135	HI-CAP NEOPRENE	ACETAL	55-13-PKN	55-13-PRKN			
				BALL	55-13-XKN	55-13-XRKN			
	165	HARD RUBBER	ACETAL	55-13-PH	55-13-PRH				
			BALL	55-13-XH	55-13-XRH				
	185	POLYOLEFIN	PLAIN	55-13-BPO	55-13-BRPO				
			BALL	55-13-XPD-M-PO-55	55-13-XRPD-M-PO-55				
			PLAIN	55-13-BPD-M-PO-55	55-13-BRPD-M-PO-55				
1	120	EXTRA SOFT THERMO-PLASTIC RUBBER	BALL	55-13-XPD-M-PO	55-13-XRPD-M-PO				
			PLAIN	55-13-BPD-M-PO	55-13-BRPD-M-PO				
	170	THERMO-PLASTIC RUBBER	BALL	55-13-XADI-M-PO	55-13-XRADI-M-PO				
	200	POLYURETHANE / POLYOLEFIN HUB	PLAIN	55-13-BADI-M-PO	55-13-BRADI-M-PO				

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius



SERIES

Stainless Steel



Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
2	1	100	NEOPRENE RUBBER	ACETAL	52-13-PDN-SS	52-13-PRDN-SS	1	2-7/8	1-13/16
		185	POLYOLEFIN	PLAIN	52-13-BPO-SS	52-13-BRPO-SS			
3	7/8	120	NEOPRENE RUBBER	ACETAL	53-13-PDN-SS	53-13-PRDN-SS	1-3/16	4-1/8	2-7/8
		135	HI-CAP NEOPRENE	ACETAL	53-13-PKN-SS	53-13-PRKN-SS			
		165	HARD RUBBER	ACETAL	53-13-PH-SS	53-13-PRH-SS			
		200	STAINLESS STEEL	PLAIN	53-13-BSS-SS	53-13-BRSS-SS			
	15/16	110	EXTRA SOFT NEOPRENE	ACETAL	53-13-PEZN-RD-SS	53-13-PREZN-RD-SS	1-3/16		
		125	ROUND DONUT / NEOPRENE	ACETAL	53-13-PDN-RD-SS	53-13-PRDN-RD-SS	1-3/16		
		100	EXTRA SOFT THERMO-PLASTIC RUBBER	PLAIN	53-13-BPD-M-PO-SS	53-13-BRPD-M-PO-SS	1-1/4		
	1	150	THERMO-PLASTIC RUBBER	PLAIN	53-13-BPD-M-PO-SS	53-13-BRPD-M-PO-SS	1-3/16		
		185	POLYOLEFIN	PLAIN	53-13-BPO-SS	53-13-BRPO-SS	1-3/16		
		200	POLYURETHANE / POLYOLEFIN HUB	PLAIN	53-13-BADI-M-PO-SS	53-13-BRADI-M-PO-SS	1-1/4		
4	7/8	120	NEOPRENE RUBBER	ACETAL	54-13-PDN-SS	54-13-PRDN-SS	1-3/4	5-1/8	3-3/8
		165	HARD RUBBER	ACETAL	54-13-PH-SS	54-13-PRH-SS			
		185	POLYOLEFIN	PLAIN	54-13-BPO-SS	54-13-BRPO-SS			
		200	STAINLESS STEEL	PLAIN	54-13-BSS-SS	54-13-BRSS-SS			
	15/16	125	ROUND DONUT / NEOPRENE	ACETAL	54-13-PDN-RD-SS	54-13-PRDN-RD-SS	1-3/4		
		110	EXTRA SOFT THERMO-PLASTIC RUBBER	PLAIN	54-13-BPD-M-PO-SS	54-13-BRPD-M-PO-SS	1-5/16		
	1	160	THERMO-PLASTIC RUBBER	PLAIN	54-13-BPD-M-PO-SS	54-13-BRPD-M-PO-SS			
		200	POLYURETHANE / POLYOLEFIN HUB	PLAIN	54-13-BADI-M-PO-SS	54-13-BRADI-M-PO-SS			
5	7/8	120	NEOPRENE RUBBER	ACETAL	55-13-PDN-SS	55-13-PRDN-SS	2	6-1/8	3-7/8
		165	HARD RUBBER	ACETAL	55-13-PH-SS	55-13-PRH-SS			
		185	POLYOLEFIN	PLAIN	55-13-BPO-SS	55-13-BRPO-SS			
		200	STAINLESS STEEL	PLAIN	55-13-BSS-SS	55-13-BRSS-SS			
	15/16	125	ROUND DONUT / NEOPRENE	ACETAL	55-13-PDN-RD-SS	55-13-PRDN-RD-SS	8-1/4	6-7/8	
		120	EXTRA SOFT THERMO-PLASTIC RUBBER	PLAIN	55-13-BPD-M-PO-SS	55-13-BRPD-M-PO-SS	1-3/4	6-1/4	
	1	170	THERMO-PLASTIC RUBBER	PLAIN	55-13-BPD-M-PO-SS	55-13-BRPD-M-PO-SS			
		200	POLYURETHANE / POLYOLEFIN HUB	PLAIN	55-13-BADI-M-PO-SS	55-13-BRADI-M-PO-SS			

Designed to provide the ultimate

CORROSION PROTECTION

These casters are ideally suited for acetic, nitric and citric acid environments in addition to being well suited for organic and inorganic chemicals, dye stuffs, crude and refined oil environments. Widely accepted in the following industries:

- DAIRY
- BEVERAGE
- FOOD PROCESSING
- PHARMACEUTICALS
- HOSPITALS & MEDICAL
- ANIMAL CAGES



40

SERIES

Dual Wheel Piano Casters

Load Capacity: 160 to 230 lbs.

Quality Features

- **FOUR-SIDED, DOUBLE BALL RACEWAY.** Hardened steel ball bearings touch upper and lower swivel raceway "on all four sides." This protects the pin from shock loading for free swiveling under heavy loads.

- **HEAT-TREATED MOVING PARTS.** All moving parts are hardened to a precise molecular depth and Rockwell hardness. This extends caster life under rugged conditions and shock loads.

- **RACEWAY DUST CAP.** Dust cap protects the raceway from contamination by dust, dirt, moisture, and other environmental debris. While standard on 50 series casters, these are usually not available on most competitive brands.

- **LOW OVERALL HEIGHT.** Heavy pianos are supported by two wheels that roll independently to assure easy maneuverability on any floor surface.

These dual wheel piano casters are ideal for home or studio use, on stages, at schools, or anywhere easy movement of pianos is needed. Darnell-Rose piano casters are standard equipment on Steinway grand pianos. Available in the following finishes:

- Bright Zinc (standard)
- Black Oxide
- Antique Brass
- Satin Brass (standard)
- Bright Brass
- Polished Chrome

Piano casters are also available with solid brass wheels in the 7 series and 50 series 2" diameter.



FOUR SIDED DOUBLE BALL BEARING RACEWAY- 40 SERIES

STEMS

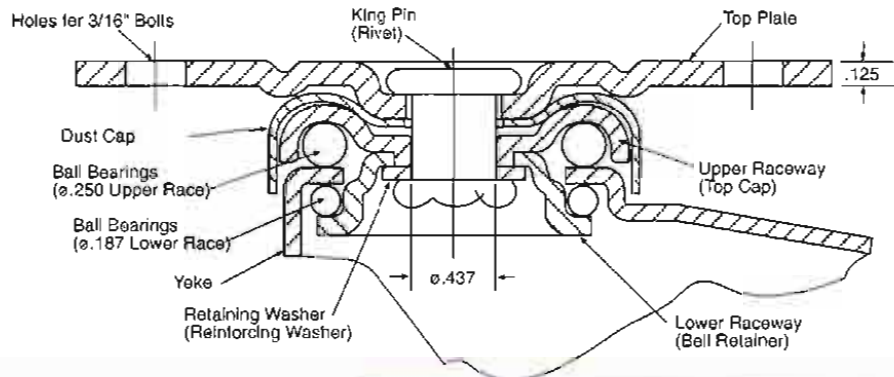
"O" STEM TABLE

Dimension D	Dimension L	Stem Number
3/8"	1"	O40-38-1
3/8"	1-1/4"	O40-38-114
7/16"	1"	O40-716-1
7/16"	1-1/4"	O40-716-114
7/16"	1-1/2"	O40-716-112
1/2"	1-1/8"	O40-12-118

Other stem sizes and dimensions available.



"Standard piano stem to fit sockets below stem. For effective load height, subtract .125" from overall height for stem casters.



Wheel Selection

NEOPRENE RUBBER

PAGE 54



HI-CAP NEOPRENE

PAGE 66



HARD RUBBER

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SOCKETS

ROUND BASE SOCKET



SQUARE BASE SOCKET

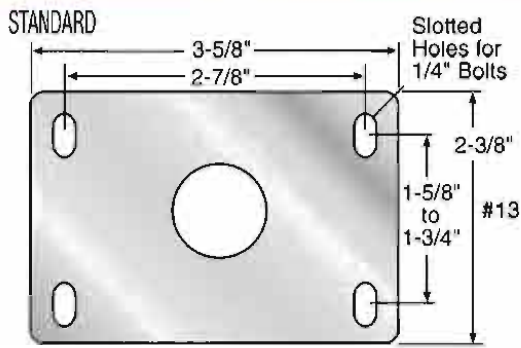


Load Capacity: 160 to 230 lbs.

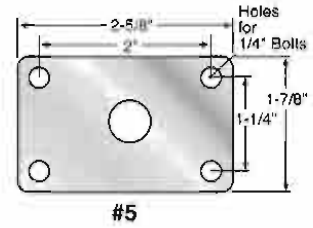
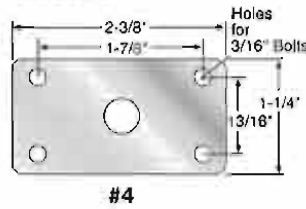
Quality Features

- **FOUR-SIDED, DOUBLE BALL RACEWAY.**

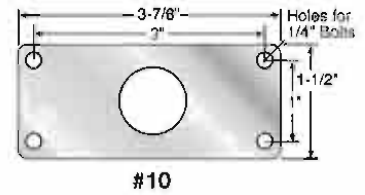
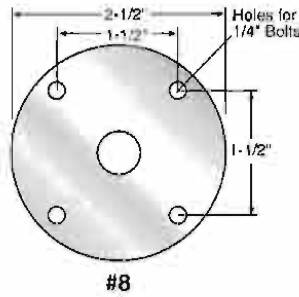
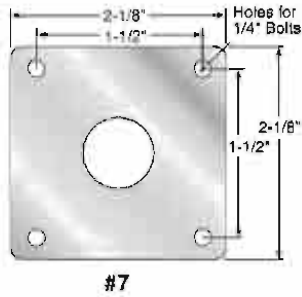
TOP PLATE



ALTERNATES



ALTERNATES



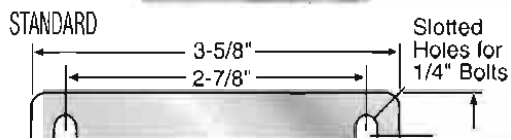
Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
2	3/4	160	NEOPRENE RUBBER	ACETAL	40-O-PDN	N/A	1	3	1-15/16
				BALL	40-O-XDN	N/A			
				ACETAL	40-13-PDN	N/A			
				BALL	40-13-XDN	N/A			
		200	HI-CAP NEOPRENE	ACETAL	40-O-PKN	N/A			
				BALL	40-O-XKN	N/A			
				ACETAL	40-13-PKN	N/A			
				BALL	40-13-XKN	N/A			
		230	HARD RUBBER	ACETAL	40-O-PH	N/A			
				BALL	40-O-XH	N/A			
				ACETAL	40-13-PH	N/A			
				BALL	40-13-XH	N/A			

Additional Single Wheel Piano Casters

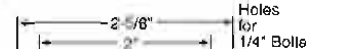
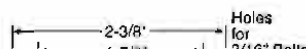
7 SERIES
WITH SOLID BRASS WHEEL



52 SERIES
WITH BLACK OXIDE FINISH

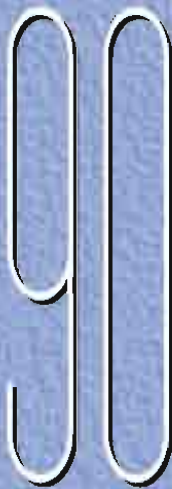


ALTERNATES



Piano Casters





90 SERIES

Twin Lock Casters

Load Capacity: 160 to 300 lbs.

Quality Features

- **LOCKS WHEEL & SWIVEL SIMULTANEOUSLY.**
Sturdy brake pedal is located above the wheel for easy access. Simply step down to apply, set again to release. Locks both wheel and swivel at the same time.
- **CHOICE OF STAINLESS STEEL OR ZINC PLATED.**
Applications in normal environments use stainless steel for maximum protection.
- **VARIETY OF MOUNTING ATTACHMENTS.**
Wide assortment of stem and mounting plate options to fit nearly all types of carts and equipment. Economical hollow king pin is also available with a 5/8" hole in swivel for inserting a bolt.
- **TWO-PIECE RIGID CASTER.**
Rigid caster utilizes a welded top plate and yoke design instead of a one-piece stamped yoke as used on competitive brands.
- **THREAD GUARDS.**
Keeps unwanted materials out of the wheel bearings thus increasing the life of the caster. Available only on zinc plated casters.

SWIVEL



RIGID



Options

- Grease Seals for Swivel Raceways
- High-Temperature Wheels
- Conductive or Static-Dissipative Wheels
- Gray, Non-Marking Wheels
- Powder Coated Finishes

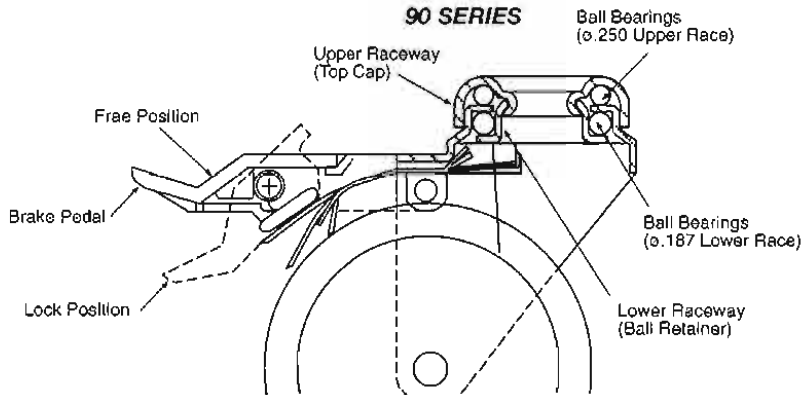
Twin Lock casters restrain movable equipment by locking both the wheel and the swivel in one easy step. Simply step down to lock, step again to release. No other caster combines this much braking action with ease of use. Available with a wide variety of stems and mounting plates, as well as the 5/8" hollow king pin for inserting a bolt.

Typical uses include:

- Medical Carts & Equipment
- Photography Lighting
- Wire Shelving Trucks
- Food Serving Carts
- Modular Frame Systems
- Electronics Equipment

Available in either corrosion resistant Zinc Plated Steel or in Stainless Steel for maximum corrosion protection.

DOUBLE BALL BEARING SWIVEL RACEWAY 90 SERIES



Wheel Selection

NEOPRENE RUBBER

PAGE 64



HI-CAP NEOPRENE

PAGE 65



NEOPRENE OR POLYURETHANE

STEEL DISC



HARD RUBBER

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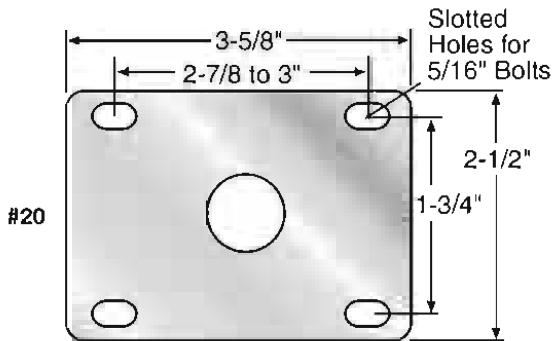
Load Capacity: 100 to 600 lbs.

Quality Features

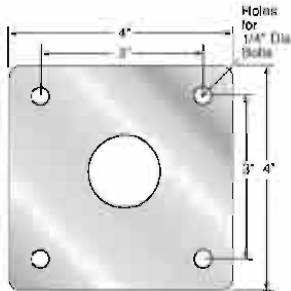
- **LOCKS WHEEL & SWIVEL SIMULTANEOUSLY.**
Sturdy brake pedal is located above the wheel for easy access. Simply step down to apply, set again to release. Locks both wheel and swivel at the same time.

TOP PLATE

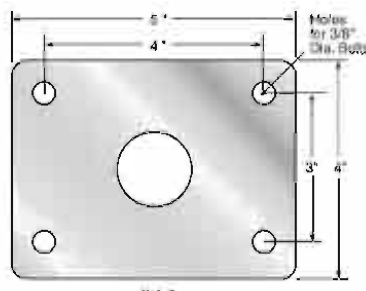
STANDARD



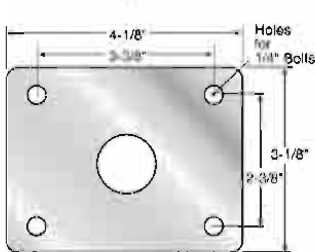
ALTERNATES



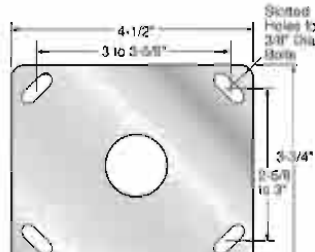
#3



#14



#6



#24

Twin Lock Casters



STEMS

"D" STEM TABLE

Dimension D	Dimension L	Stem Number
1/2"	1-1/2"	O90-12-112
5/8"	2"	O90-58-2
3/4"	2"	O90-34-2
7/8"	2"	O90-78-2
1"	2-1/2"	O90-1-212

Other stem sizes and dimensions available.
*Special Order/Minimum Quantity

"L" STEM TABLE

Dimension T	Dimension L	Stem Number
1/2"-13	1-1/2"	L90-1213-112
1/2"-13	2"	L90-1213-2
5/8"-11	2"	L90-5811-2
5/8"-11	2-1/2"	L90-5811-212
3/4"-10	1-1/2"	L90-3410-112
3/4"-10	2"	L90-3410-2
3/4"-10	2-1/2"	L90-3410-212

Other stem sizes and dimensions available.
*Special Order/Minimum Quantity

"E" STEM TABLE

Dimension D	
ROUND	SQUARE
3/4"	3/4"
7/8"	7/8"
1-1/16"	1-1/16"
1-1/8"	1-1/8"
1-1/4"	1-1/4"
1-3/8"	1-3/8"
1-7/16"	1-7/16"
1-1/2"	1-1/2"
1-5/8"	1-5/8"
1-3/4"	1-3/4"
1-7/8"	1-7/8"
1-15/16"	1-15/16"
1-1"	1"

"7/8" round" stem

"7/8" square" stem



"LP" stem



"LPC" stem



"E" STEM TABLE



For effective load height, subtract .187" from overall height for stem casters.

POLYURETHANE HUB

POLYURETHANE

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THERMO PLASTIC RUBBER

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PHENOLIC

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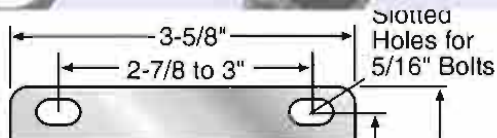


POLYURETHANE

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STANDARD



90 Series

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Twin Lock Part Number	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
2 1/2	1 1/4	200	NEOPRENE RUBER	ACETAL	92-1/2-20-PDN-TL	92-1/2-20-PDN	92 1/2-20-PRDN	2	4	2-7/16
				BALL	92-1/2-20-XDN-TL	92-1/2-20-XDN	92 1/2-20-XRDN			
		250	HI-CAP NEOPRENE	ACETAL	92-1/2-20-PKN-TL	92-1/2-20-PKN	92 1/2-20-PRKN			
				BALL	92-1/2-20-XKN-TL	92-1/2-20-XKN	92 1/2-20-XRKN			
		300	ADVANCED ELASTOMER	ACETAL	92-1/2-20-XAE-TL	92-1/2-20-XAE	92 1/2-20-XRAE			
				DELFRIN	92-1/2-20-DAE-TL	92-1/2-20-DAE	92 1/2-20-DRAE			
	400	HARD RUBBER	ACETAL	92-1/2-20-PH-TL	92-1/2-20-PH	92 1/2-20-PRH				
			BALL	92-1/2-20-XH-TL	92-1/2-20-XH	92 1/2-20-XRH				
	1 3/8	125	EXTRA SOFT THERMO-PLASTIC RUBBER	BALL	92-1/2-20-XPD-M-PO-55-TL	92-1/2-20-XPD-M-PO-55	92 1/2-20-XRPD-M-PO-55			
				DELFRIN	92-1/2-20-DPD-M-PO-55-TL	92-1/2-20-DPD-M-PO-55	92 1/2-20-DRPD-M-PO-55			
		200	THERMO-PLASTIC RUBBER	BALL	92-1/2-20-XPD-M-PO-TL	92-1/2-20-XPD-M-PO	92 1/2-20-XRPD-M-PO			
				DELFRIN	92-1/2-20-DPD-M-PO-TL	92-1/2-20-DPD-M-PO	92 1/2-20-DRPD-M-PO			
225		POLYOLEFIN	BALL	92-1/2-20-XPO-TL	92-1/2-20-XPO	92 1/2-20-XRPO				
			PLAIN	92-1/2-20-BPO-TL	92-1/2-20-BPO	92 1/2-20-BRPO				
300	POLYURETHANE / POLYOLEFIN HUB	BALL	92-1/2-20-XADI-M-PO-TL	92-1/2-20-XADI-M-PO	92 1/2-20-XRADI-M-PO					
		DELFRIN	92-1/2-20-DADI-M-PO-TL	92-1/2-20-DADI-M-PO	92 1/2-20-DRADI-M-PO					
3	1 1/4	175	EXTRA SOFT NEOPRENE	ACETAL	93-20-PEZN-RD-TL	93-20-PEZN-RD	93-20-PREZN-RD	2-1/4	4-9/16	2-13/16
				BALL	93-20-XEZN-RD-TL	93-20-XEZN-RD	93-20-XREZN-RD			
		200	NEOPRENE RUBBER	ACETAL	93-20-PDN-TL	93-20-PDN	93-20-PRDN			
				BALL	93-20-XDN-TL	93-20-XDN	93-20-XRDN			
		250	HI-CAP NEOPRENE	ACETAL	93-20-PKN-TL	93-20-PKN	93-20-PRKN			
				BALL	93-20-XKN-TL	93-20-XKN	93-20-XRKN			
		400	ADVANCED ELASTOMER	BALL	93-20-XAE-TL	93-20-XAE	93-20-XRAE			
				DELFRIN	93-20-DAE-TL	93-20-DAE	93-20-DRAE			
			HARD RUBBER	ACETAL	93-20-PH-TL	93-20-PH	93-20-PRH			
		BALL	93-20-XH-TL	93-20-XH	93-20-XRH					
		PHENOLIC RESIN	ROLLER	93-20-TPR-TL	93-20-TPR	93-20-TRPR				
	150	EXTRA SOFT THERMO-PLASTIC RUBBER	BALL	93-20-XPD-M-PO-55-TL	93-20-XPD-M-PO-55	93-20-XRPD-M-PO-55				
			DELFRIN	93-20-DPD-M-PO-55-TL	93-20-DPD-M-PO-55	93-20-DRPD-M-PO-55				
	225	THERMO-PLASTIC RUBBER	BALL	93-20-XPD-M-PO-TL	93-20-XPD-M-PO	93-20-XRPD-M-PO				
			DELFRIN	93-20-DPD-M-PO-TL	93-20-DPD-M-PO	93-20-DRPD-M-PO				
240	POLYOLEFIN	PLAIN	93-20-BPO-TL	93-20-BPO	93-20-BRPO					
		BALL	93-20-XPO-TL	93-20-XPO	93-20-XRPO					
300	POLYURETHANE / POLYOLEFIN HUB	BALL	93-20-XADI-M-PO-TL	93-20-XADI-M-PO	93-20-XRADI-M-PO					
		DELFRIN	93-20-DADI-M-PO-TL	93-20-DADI-M-PO	93-20-DRADI-M-PO					
3 1/2	1 1/4	200	NEOPRENE RUBBER	ACETAL	93 1/2-20-PDN-TL	93 1/2-20-PDN	93 1/2-20-PRDN	2-1/4	5	3-1/16
				BALL	93 1/2-20-XDN-TL	93 1/2-20-XDN	93 1/2-20-XRDN			
		250	HI-CAP NEOPRENE	ACETAL	93 1/2-20-PKN-TL	93 1/2-20-PKN	93 1/2-20-PRKN			
				BALL	93 1/2-20-XKN-TL	93 1/2-20-XKN	93 1/2-20-XRKN			
		300	HARD RUBBER	ACETAL	93 1/2-20-PH-TL	93 1/2-20-PH	93 1/2-20-PRH			
				BALL	93 1/2-20-XH-TL	93 1/2-20-XH	93 1/2-20-XRH			
		PHENOLIC	ROLLER	93 1/2-20-TPR-TL	93 1/2-20-TPR	93 1/2-20-TRPR				
	1 3/8	400	ADVANCED ELASTOMER	BALL	93 1/2-20-XAE-TL	93 1/2-20-XAE	93 1/2-20-XRAE			
				DELFRIN	93 1/2-20-DAE-TL	93 1/2-20-DAE	93 1/2-20-DRAE			
		160	EXTRA SOFT THERMO-PLASTIC RUBBER	BALL	93 1/2-20-XPD-M-PO-55-TL	93 1/2-20-XPD-M-PO-55	93 1/2-20-XRPD-M-PO-55			
				DELFRIN	93 1/2-20-DPD-M-PO-55-TL	93 1/2-20-DPD-M-PO-55	93 1/2-20-DRPD-M-PO-55			
		240	THERMO-PLASTIC RUBBER	BALL	93 1/2-20-XPD-M-PO-TL	93 1/2-20-XPD-M-PO	93 1/2-20-XRPD-M-PO			
			DELFRIN	93 1/2-20-DPD-M-PO-TL	93 1/2-20-DPD-M-PO	93 1/2-20-DRPD-M-PO				
250	POLYOLEFIN	BALL	93 1/2-20-XPO-TL	93 1/2-20-XPO	93 1/2-20-XRPO					
		PLAIN	93 1/2-20-BPO-TL	93 1/2-20-BPO	93 1/2-20-BRPO					
300	POLYURETHANE / POLYOLEFIN HUB	BALL	93 1/2-20-XADI-M-PO-TL	93 1/2-20-XADI-M-PO	93 1/2-20-XRADI-M-PO					
		DELFRIN	93 1/2-20-DADI-M-PO-TL	93 1/2-20-DADI-M-PO	93 1/2-20-DRADI-M-PO					

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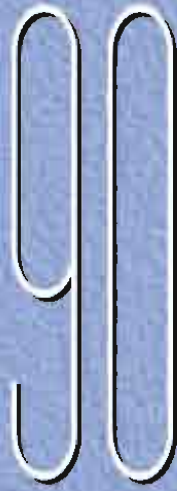
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Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Twin Lock Part Number	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
				ACETAL	92 1/2-20-PDN-TL	92 1/2-20-PDN	92 1/2-20-PRDN			

90 Series continued

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Twin Lock Part Number	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
4	1 1/4	175	EXTRA SOFT NEOPRENE	BALL	94-20-XF7N-RD-TL	94-20-XEZN-RD	94-20-XREZN-RD	2-1/2	5-5/8	3-5/16
			DELTRIN	94-20-DEZN-RD-TL	94-20-DEZN-RD	94-20-DREZN-RD				
		200	NEOPRENE RUBBER	ACETAL	94-20-PDN-TL	94-20-PDN	94-20-PRDN			
			BALL	94-20-XDN-TL	94-20-XDN	94-20-XRDN				
		250	HI-CAP NEOPRENE	ACETAL	94-20-PKN-TL	94-20-PKN	94-20-PRKN			
			BALL	94-20-XKN-TL	94-20-XKN	94-20-XRKN				
	300	HARD RUBBER	ACETAL	94-20-PH-TL	94-20-PH	94-20-PRH				
		BALL	94-20-XH-TL	94-20-XH	94-20-XRH					
	400	PHENOLIC	ROLLER	94-20-TPR-TL	94-20-TPR	94-20-TRPR				
		ADVANCED ELASTOMER	BALL	94-20-XAE-TL	94-20-XAE	94-20-XRAE				
	1 3/8	170	EXTRA SOFT THERMO-PLASTIC RUBBER	BALL	94-20-XPD-M-PO-55-TL	94-20-XPD-M-PO-55	94-20-XRPD-M-PO-55	2-3/5		
			DELTRIN	94-20-DPD-M-PO-55-TL	94-20-DPD-M-PO-55	94-20-DRPD-M-PO-55				
	250	THERMO-PLASTIC RUBBER	BALL	94-20-XPD-M-PO-TL	94-20-XPD-M-PO	94-20-XRPD-M-PO				
		DELTRIN	94-20-DPD-M-PO-TL	94-20-DPD-M-PO	94-20-DRPD-M-PO					
300	POLYOLEFIN	BALL	94-20-XPO-TL	94-20-XPO	94-20-XRPO					
		PLAIN	94-20-BPO-TL	94-20-BPO	94-20-BRPO					
	POLYURETHANE / POLYOLEFIN HUB	BALL	94-20-XADI-M-PO-TL	94-20-XADI-M-PO	94-20-XRADI-M-PO					
		DELTRIN	94-20-DADI-M-PO-TL	94-20-DADI-M-PO	94-20-DRADI-M-PO					
5	1 1/4	175	EXTRA SOFT NEOPRENE	BALL	95-20-XEZN-RD-TL	95-20-XEZN-RD	95-20-XREZN-RD	3-1/2	6-5/8	3-13/16
			DELTRIN	95-20-DEZN-RD-TL	95-20-DEZN-RD	95-20-DREZN-RD				
		200	NEOPRENE RUBBER	ACETAL	95-20-PDN-TL	95-20-PDN	95-20-PRDN			
			BALL	95-20-XDN-TL	95-20-XDN	95-20-XRDN				
		250	HI-CAP NEOPRENE	ACETAL	95-20-PKN-TL	95-20-PKN	95-20-PRKN			
			BALL	95-20-XKN-TL	95-20-XKN	95-20-XRKN				
	300	HARD RUBBER	ACETAL	95-20-PH-TL	95-20-PH	95-20-PRH				
		BALL	95-20-XH-TL	95-20-XH	95-20-XRH					
	400	PHENOLIC	ROLLER	95-20-TPR-TL	95-20-TPR	95-20-TRPR				
		ADVANCED ELASTOMER	BALL	95-20-XAE-TL	95-20-XAE	95-20-XRAE				
	1 3/8	180	EXTRA SOFT THERMO-PLASTIC RUBBER	BALL	95-20-XPD-M-PO-55-TL	95-20-XPD-M-PO-55	95-20-XRPD-M-PO-55	3-3/5		
			DELTRIN	95-20-DPD-M-PO-55-TL	95-20-DPD-M-PO-55	95-20-DRPD-M-PO-55				
	275	THERMO-PLASTIC RUBBER	BALL	95-20-XPD-M-PO-TL	95-20-XPD-M-PO	95-20-XRPD-M-PO				
		DELTRIN	95-20-DPD-M-PO-TL	95-20-DPD-M-PO	95-20-DRPD-M-PO					
300	POLYOLEFIN	BALL	95-20-XPO-TL	95-20-XPO	95-20-XRPO					
		PLAIN	95-20-BPO-TL	95-20-BPO	95-20-BRPO					
	POLYURETHANE / POLYOLEFIN HUB	BALL	95-20-XADI-M-PO-TL	95-20-XADI-M-PO	95-20-XRADI-M-PO					
		DELTRIN	95-20-DADI-M-PO-TL	95-20-DADI-M-PO	95-20-DRADI-M-PO					

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Twin Lock Part Number	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
				BALL	94-20-XF7N-RD-TL	94-20-XE7N-RD	94-20-XRE7N-RD			



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Stainless Steel



Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Twin Lock Part Number	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
		 LBS						 LBS		
2 1/2	1 1/4	200	NEOPRENE RUBER	ACETAL	92-1/2-20-PDN-TL-SS	92-1/2-20-PDN-SS	92-1/2-20-PRDN-SS	2	4	2-7/16
				BALL	92-1/2-20-XDN-TL-SS	92-1/2-20-XDN-SS	92-1/2-20-XRDN-SS			
		250	HI-CAP NEOPRENE	ACETAL	92-1/2-20-PKN-TL-SS	92-1/2-20-PKN-SS	92-1/2-20-PRKN-SS			
				BALL	92-1/2-20-XKN-TL-SS	92-1/2-20-XKN-SS	92-1/2-20-XRKN-SS			
		300	ADVANCED ELASTOMER	DELRIIN	92-1/2-20-DAE-TL-SS	92-1/2-20-DAE-SS	92-1/2-20-DRAE-SS			
		400	HARD RUBBER	ACETAL	92-1/2-20-PH-TL-SS	92-1/2-20-PH-SS	92-1/2-20-PRH-SS			
				BALL	92-1/2-20-XH-TL-SS	92-1/2-20-XH-SS	92-1/2-20-XRH-SS			
	1 3/8	125	EXTRA SOFT THERMO-PLASTIC RUBBER	BALL	92-1/2-20-XPD-M-PO-55-TL-SS	92-1/2-20-XPD-M-PO-55-SS	92-1/2-20-XRPD-M-PO-55-SS			
				DELRIIN	92-1/2-20-DPD-M-PO-55-TL-SS	92-1/2-20-DPD-M-PO-55-SS	92-1/2-20-DRPD-M-PO-55-SS			
		200	THERMO-PLASTIC RUBBER	BALL	92-1/2-20-XPD-M-PO-TL-SS	92-1/2-20-XPD-M-PO-SS	92-1/2-20-XRPD-M-PO-SS			
				DELRIIN	92-1/2-20-DPD-M-PO-TL-SS	92-1/2-20-DPD-M-PO-SS	92-1/2-20-DRPD-M-PO-SS			
		225	POLYOLEFIN	BALL	92-1/2-20-XPO-TL-SS	92-1/2-20-XPO-SS	92-1/2-20-XRPO-SS			
			PLAIN	92-1/2-20-BPO-TL-SS	92-1/2-20-BPO-SS	92-1/2-20-BRPO-SS				
	300	POLYURETHANE / POLYOLEFIN HUB	BALL	92-1/2-20-XADI-M-PO-TL-SS	92-1/2-20-XADI-M-PO-SS	92-1/2-20-XRADI-M-PO-SS				
			DELRIIN	92-1/2-20-DADI-M-PO-TL-SS	92-1/2-20-DADI-M-PO-SS	92-1/2-20-DRADI-M-PO-SS				
3	1 1/4	175	EXTRA SOFT NEOPRENE	ACETAL	93-20-PEZN-RD-TL-SS	93-20-PEZN-RD-SS	93-20-PRPEZN-RD-SS	2-1/4	4-9/16	2-13/16
				BALL	93-20-XEZN-RD-TL-SS	93-20-XEZN-RD-SS	93-20-XRPEZN-RD-SS			
		200	NEOPRENE RUBBER	ACETAL	93-20-PDN-TL-SS	93-20-PDN-SS	93-20-PRDN-SS			
				BALL	93-20-XDN-TL-SS	93-20-XDN-SS	93-20-XRDN-SS			
		250	HI-CAP NEOPRENE	ACETAL	93-20-PKN-TL-SS	93-20-PKN-SS	93-20-PRKN-SS			
				BALL	93-20-XKN-TL-SS	93-20-XKN-SS	93-20-XRKN-SS			
		400	ADVANCED ELASTOMER	DELRIIN	93-20-DAE-TL-SS	93-20-DAE-SS	93-20-DRAE-SS			
				ACETAL	93-20-PH-TL-SS	93-20-PH-SS	93-20-PRH-SS			
				BALL	93-20-XH-TL-SS	93-20-XH-SS	93-20-XRH-SS			
				ROLLER	93-20-TPR-TL-SS	93-20-TPR-SS	93-20-TRPR-SS			
		150	EXTRA SOFT THERMO-PLASTIC RUBBER	BALL	93-20-CPD-M-PO-55-TL-SS	93-20-CPD-M-PO-55-SS	93-20-CRPD-M-PO-55-SS			
				DELRIIN	93-20-DPD-M-PO-55-TL-SS	93-20-DPD-M-PO-55-SS	93-20-DRPD-M-PO-55-SS			
		225	THERMO-PLASTIC RUBBER	BALL	93-20-CPD-M-PO-TL-SS	93-20-CPD-M-PO-SS	93-20-CRPD-M-PO-SS			
				DELRIIN	93-20-DPD-M-PO-TL-SS	93-20-DPD-M-PO-SS	93-20-DRPD-M-PO-SS			
	240	POLYOLEFIN	PLAIN	93-20-BPO-TL-SS	93-20-BPO-SS	93-20-BRPO-SS				
			BALL	93-20-XPO-TL-SS	93-20-XPO-SS	93-20-XRPO-SS				
	300	POLYURETHANE / POLYOLEFIN HUB	BALL	93-20-XADI-M-PO-TL-SS	93-20-XADI-M-PO-SS	93-20-XRADI-M-PO-SS				
			DELRIIN	93-20-DADI-M-PO-TL-SS	93-20-DADI-M-PO-SS	93-20-DRADI-M-PO-SS				
3 1/2	1 1/4	200	NEOPRENE RUBBER	ACETAL	93-1/2-20-PDN-SS-TL	93-1/2-20-PDN-SS	93-1/2-20-PRDN-SS	2-1/4	5	3-1/16
				ACETAL	93-1/2-20-PKN-SS-TL	93-1/2-20-PKN-SS	93-1/2-20-PRKN-SS			
		250	HI-CAP NEOPRENE	ACETAL	93-1/2-20-PKN-SS-TL	93-1/2-20-PKN-SS	93-1/2-20-PRKN-SS			
				ACETAL	93-1/2-20-PH-SS-TL	93-1/2-20-PH-SS	93-1/2-20-PRH-SS			
		300	HARD RUBBER	DELRIIN	93-1/2-20-DPR-SS-TL	93-1/2-20-DPR-SS	93-1/2-20-DRPR-SS			
				DELRIIN	93-1/2-20-DPR-SS-TL	93-1/2-20-DPR-SS	93-1/2-20-DRPR-SS			
		400	ADVANCED ELASTOMER	DELRIIN	93-1/2-20-DAE-TL-SS	93-1/2-20-DAE-SS	93-1/2-20-DRAE-SS			
	1 3/8	160	EXTRA SOFT THERMO-PLASTIC RUBBER	DELRIIN	93-1/2-20-CPD-M-PO-55-TL	93-1/2-20-CPD-M-PO-55-SS	93-1/2-20-CRPD-M-PO-55-SS			
				DELRIIN	93-1/2-20-DPD-M-PO-55-TL	93-1/2-20-DPD-M-PO-55-SS	93-1/2-20-DRPD-M-PO-55-SS			
		240	THERMO-PLASTIC RUBBER	DELRIIN	93-1/2-20-CPD-M-PO-55-TL	93-1/2-20-CPD-M-PO-55-SS	93-1/2-20-CRPD-M-PO-55-SS			
			DELRIIN	93-1/2-20-DPD-M-PO-55-TL	93-1/2-20-DPD-M-PO-55-SS	93-1/2-20-DRPD-M-PO-55-SS				
250		POLYOLEFIN	PLAIN	93-1/2-20-BPO-SS-TL	93-1/2-20-BPO-SS	93-1/2-20-BRPO-SS				
				DELRIIN	93-1/2-20-DADI-M-PO-SS-TL	93-1/2-20-DADI-M-PO-SS	93-1/2-20-DRADI-M-PO-SS			



SERIES



90 Series continued - Stainless Steel

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Twin Lock Part Number	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius		
4	1 1/4	175	EXTRA SOFT NEOPRENE	DELFIN	94-20-DEZN-RD-SS-TL	94-20-DEZN-RD-SS	94-20-DREZN-RD-SS	2-1/2	5-5/8	3-5/16		
		200	NEOPRENE RUBBER	ACETAL	94-20-PDN-SS-TL	94-20-PDN-SS	94-20-PRDN-SS					
		250	HI-CAP NEOPRENE	ACETAL	94-20-PKN-SS-TL	94-20-PKN-SS	94-20-PRKN-SS					
		300	HARD RUBBER	ACETAL	94-20-PH-SS-TL	94-20-PH-SS	94-20-PRH-SS	2-3/5				
			PHENOLIC	DELFIN	94-20-DPR-SS-TL	94-20-DPR-SS	94-20-DRPR-SS					
		400	HI-CAP NEOPRENE	ACETAL	94-20-PKN-SS-TL	94-20-PKN-SS	94-20-PRKN-SS	3-1/2				
	1 3/8	170	EXTRA SOFT THERMO-PLASTIC RUBBER	DELFIN	94-20-DPD-M-PO-SS-TL	94-20-DPD-M-PO-SS	94-20-DRPD-M-PO-SS	2-3/5				
		250	THERMO-PLASTIC RUBBER	DELFIN	94-20-DPD-M-PO-SS-TL	94-20-DPD-M-PO-SS	94-20-DRPD-M-PO-SS					
		300	POLYOLEFIN	PLAIN	94-20-BPO-SS-TL	94-20-BPO-SS	94-20-BRPO-SS					
			POLYURETHANE / POLYOLEFIN HUB	DELFIN	94-20-DADI-M-PO-SS-TL	94-20-DADI-M-PO-SS	94-20-DRADI-M-PO-SS					
		5	1 1/4	175	EXTRA SOFT NEOPRENE	DELFIN	95-20-DEZN-RD-SS-TL	95-20-DEZN-RD-SS	95-20-DREZN-RD-SS	3-1/2	6-5/8	3-13/16
				200	NEOPRENE RUBBER	ACETAL	95-20-PDN-SS-TL	95-20-PDN-SS	95-20-PRDN-SS			
250	HI-CAP NEOPRENE			ACETAL	95-20-PKN-SS-TL	95-20-PKN-SS	95-20-PRKN-SS					
300	HARD RUBBER			ACETAL	95-20-PH-SS-TL	95-20-PH-SS	95-20-PRH-SS	3-3/5				
	PHENOLIC			DELFIN	95-20-DPR-SS-TL	95-20-DPR-SS	95-20-DRPR-SS					
400	ADVANCED ELASTOMER			DELFIN	95-20-DAE-TL-SS	95-20-DAE-SS	95-20-DRAE-SS	3-1/2				
1 3/8	180		EXTRA SOFT THERMO-PLASTIC RUBBER	DELFIN	95-24-DPD-M-PO-SS-TL	95-24-DPD-M-PO-SS	95-24-DRPD-M-PO-SS	3-3/5				
	275		THERMO-PLASTIC RUBBER	DELFIN	95-24-DPD-M-PO-SS-TL	95-24-DPD-M-PO-SS	95-24-DRPD-M-PO-SS					
	300		POLYOLEFIN	PLAIN	95-20-BPO-SS-TL	95-20-BPO-SS	95-20-BRPO-SS					
			POLYURETHANE / POLYOLEFIN HUB	DELFIN	95-20-DADI-M-PO-SS-TL	95-20-DADI-M-PO-SS	95-20-DRADI-M-PO-SS					

Material: 304-SS - Finish: 2B DDO

Designed to provide the ultimate

CORROSION PROTECTION

These casters are ideally suited for acetic, nitric and citric acid environments in addition to being well suited for organic and inorganic chemicals, dye stuffs, crude and refined oil environments. Widely accepted in the following industries:

- DAIRY
- BEVERAGE
- FOOD PROCESSING
- PHARMACEUTICALS
- HOSPITALS & MEDICAL
- ANIMAL CAGES

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Twin Lock Part Number	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
		175	EXTRA SOFT NEOPRENE	DELFIN	94-20-DEZN-RD-SS-TL	94-20-DEZN-RD-SS	94-20-DREZN-RD-SS			

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SERIES

Dual-Wheel Industrial

Load Capacity: 200 to 400 lbs.

Quality Features

- **FOUR-SIDED, DOUBLE BALL RACEWAY.**
Hardened steel ball bearings touch upper and lower swivel raceway "on all four sides." This protects the pin from shock loading for free swiveling under heavy loads.
- **HEAT-TREATED MOVING PARTS.**
All moving parts are hardened to a precise molecular depth and Rockwell hardness. This extends caster life under rugged conditions and shock loads.
- **RACEWAY DUST CAP.**
Dust cap protects the raceway from contamination by dust, dirt, moisture, and other environmental debris.
- **LOW OVERALL HEIGHT.**
Heavy loads are supported by two wheels that roll independently to assure easy maneuverability in applications where a low profile is required.

SWIVEL



RIGID



Options

- Thumb-Style Wheel Brake
- Conductive or Static-Dissipative Wheels
- Gray, Non-Marking Wheels
- Power Coated or Black Oxide Finishes
- Maintenance-Free Swivel Bearings

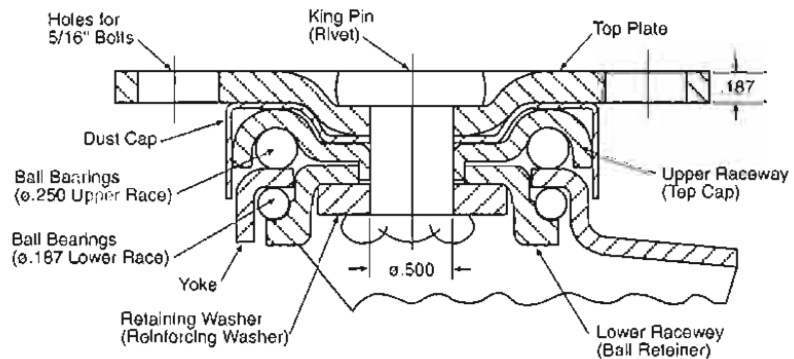
An exceptionally strong dual-wheel caster for applications where heavy load capacity, low overall height, and floor or carpet protection is required. Each wheel rolls independently for easy swiveling under heavy, low-profile loads.

Used extensively on:

- Computer Frames
- Electronic Enclosures
- Copy Machines
- Disk Storage Devices
- Display Racks
- Airport Terminal Stands

No other low profile caster matches the strength and performance of the 30 series. Available in either standard bright zinc or optional black oxide finishes.

FOUR SIDED DOUBLE BALL BEARING RACEWAY 30 SERIES



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Wheel Selection

NEOPRENE RUBBER

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DONUT-STYLE NEOPRENE

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HI-CAP NEOPRENE

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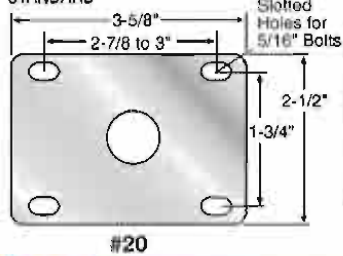
Load Capacity: 200 to 400 lbs.

Quality Features

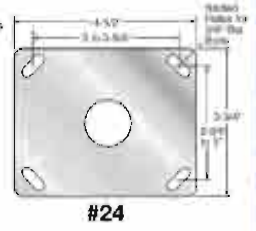
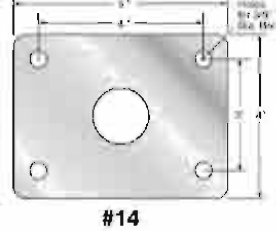
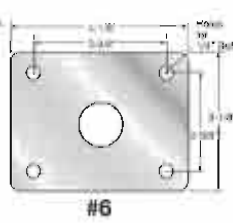
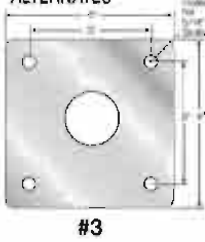
- **FOUR-SIDED, DOUBLE BALL RACEWAY.**

TOP PLATE

STANDARD



ALTERNATES



STEMS

"O" STEM TABLE

Dimension D	Dimension L	Stem Number
1/2"	1-1/2"	O-12-112
5/8"	2"	O-58-2
3/4"	2"	O-34-2
7/8"	2"	O-78-2
1"	2-1/2"	O-1-212

Other stem sizes and dimensions available.
*Special Order/Minimum Quantity

"L" STEM TABLE

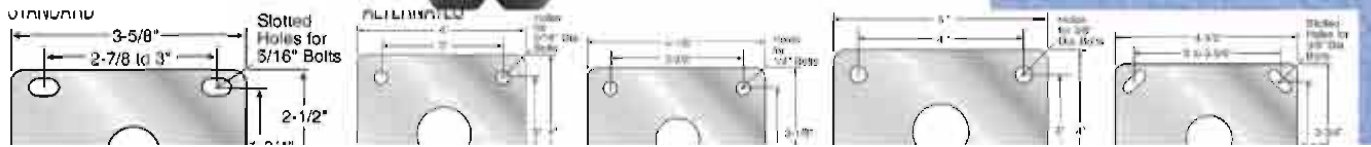
Dimension T	Dimension L	Stem Number
1/2"-13	1-1/2"	L-1213-112
1/2"-13	2"	L-1213-2
5/8"-11	2"	L-5811-2
5/8"-11	2-1/2"	L-5811-212
3/4"-10	1-1/2"	L-3410-112
3/4"-10	2"	L-3410-2
3/4"-10	2-1/2"	L-3410-212

Other stem sizes and dimensions available.
*Special Order/Minimum Quantity

For effective load height, subtract .187" from overall height for stem casters.

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
2	7/8	250	ROUND DONUT / NEOPRENE	BALL	32-20-XDN-RD	32-20-XRDN-RD	2	3-1/4	2-1/4
			NEOPRENE RUBBER	BALL	32-20-XDN	32-20-XRDN			
			HARD RUBBER	BALL	32-20-XH	32-20-XRH			
			HI-CAP NEOPRENE	BALL	32-20-XKN	32-20-XRKN			
			ADVANCED ELASTOMER	BALL	32-20-XAE	32-20-XRAE			
2 1/2	7/8	300	POLYOLEFIN	BALL	32-20-XPO	32-20-XRPO	2-1/2	3-3/4	2-5/8
			NEOPRENE RUBBER	BALL	32 1/2-20-XDN	32 1/2-20-XRDN			
			HARD RUBBER	BALL	32 1/2-20-XH	32 1/2-20-XRH			
			HI-CAP NEOPRENE	BALL	32 1/2-20-XKN	32 1/2-20-XRKN			
			POLYURETHANE / CAST IRON HUB	BALL	32 1/2-20-XADI-M-CI	32 1/2-20-XRADI-M-CI			
400			ADVANCED ELASTOMER	BALL	32 1/2-20-XAE	32 1/2-20-XRAE	3		

*Special Order /Minimum Quantity





SERIES

Medium Duty

Load Capacity: 175 to 400 lbs.

Quality Features

- **FOUR-SIDED, DOUBLE BALL RACEWAY.**
Hardened steel ball bearings touch upper and lower swivel raceway "on all four sides." This protects the central king pin from shock loading for free swiveling under heavy loads.
- **HEAT-TREATED MOVING PARTS.**
All moving parts are hardened to a precise molecular depth and Rockwell hardness. This extends caster life under rugged conditions and shock loads.
- **RACEWAY DUST CAP.**
Dust cap protects the raceway from contamination by dust, dirt, moisture, and other debris.
- **TWO-PIECE RIGID CASTER.**
Rigid caster utilizes a welded top plate and yoke design instead of a one-piece stamped yoke as used on competitive brands.
- **THREAD GUARD.**
Keep unwanted materials out of the wheel bearings thus increasing the life of the caster. Standard on most wheels.



SWIVEL



RIGID

Options

- Cart Washable Grease Seals
- Maintenance Free Swivel Bearings
- High-Temperature Wheels
- Conductive or Static-Dissipative Wheels
- Gray, Non-Marking Wheels
- Powder Coated Finishes

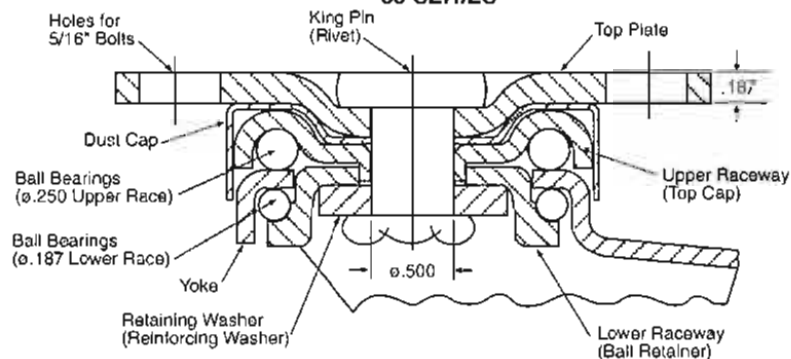
Our most popular series. This exceptional caster has been used for over 75 years in thousands of industrial and institutional applications. All wearing parts are heat treated to last longer, even under the most demanding applications. No other caster will outlast or outperform the Darnell 60 Series.

Typical applications include:

- Shop Carts & Equipment
- Wire Carts and Racks
- Food Equipment
- Medical Devices
- Instrument Cases
- Stage & Theater Sets
- Moving Dollies

Standard finish is Zinc Plating. Available with numerous plate and stem options, as well as brakes, swivel locks, special finishes.

FOUR SIDED DOUBLE BALL BEARING RACEWAY 60 SERIES



Wheel Selection

NEOPRENE RUBBER

ADVANCED ELASTOMER

HI-CAP NEOPRENE

EXTRA-SOFT NEOPRENE

HARD RUBBER

NEOPRENE OR
POLYURETHANE

STEEL DISC

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Load Capacity: 175 to 400 lbs.

Quality Features

- **FOUR-SIDED, DOUBLE BALL RACEWAY.**

60 SERIES *continued*

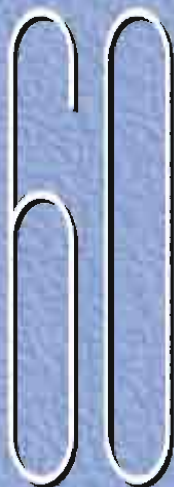
Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
2 1/2	1 1/4	200	NEOPRENE RUBBER	ACETAL	62 1/2-20-PDN	62 1/2-20-PRDN	2	3-3/4	2-3/8
				BALL	62 1/2-20-XDN	62 1/2-20-XRDN			
		250	HI-CAP NEOPRENE	ACETAL	62 1/2-20-PKN	62 1/2-20-PRKN			
				BALL	62 1/2-20-XKN	62 1/2-20-XRKN			
		300	ADVANCED ELASTOMER	BALL	62 1/2-20-XAE	62 1/2-20-XRAE			
				DELRIN	62 1/2-20-DAE	62 1/2-20-DRAE			
	400	CAST IRON	PLAIN	62 1/2-20-BCI	62 1/2-20-BRCI	2-1/2			
		HARD RUBBER	ACETAL	62 1/2-20-PH	62 1/2-20-PRH	2			
			BALL	62 1/2-20-XH	62 1/2-20-XRH				
		POLYURETHANE / CAST IRON HUB	BALL	62 1/2-20-XADI-M-CI	62 1/2-20-XRADI-M-CI	2-1/2			
	1 3/8	125	EXTRA SOFT THERMO-PLASTIC RUBBER	BALL	62 1/2-20-XPDM-PO-55	62 1/2-20-XRPDM-PO-55	2		
				DELRIN	62 1/2-20-DPDM-PO-55	62 1/2-20-DRPDM-PO-55			
		200	THERMO-PLASTIC RUBBER	BALL	62 1/2-20-XPDM-PO	62 1/2-20-XRPDM-PO			
				DELRIN	62 1/2-20-DPDM-PO	62 1/2-20-DRPDM-PO			
225		POLYOLEFIN	BALL	62 1/2-20-XPO	62 1/2-20-XRPO				
			PLAIN	62 1/2-20-BPO	62 1/2-20-BRPO				
300	POLYURETHANE / POLYOLEFIN HUB	BALL	62 1/2-20-XADI-M-PO	62 1/2-20-XRADI-M-PO					
		DELRIN	62 1/2-20-DADI-M-PO	62 1/2-20-DRADI-M-PO					
3	1 1/4	175	EXTRA SOFT NEOPRENE	ACETAL	63-20-PEZN-RD	63-20-PREZN	2-1/4	4-5/16	2-3/4
				BALL	63-20-XEZN-RD	63-20-XREZN-RD			
		200	NEOPRENE RUBBER	ACETAL	63-20-PDN	63-20-PRDN			
				BALL	63-20-XDN	63-20-XRDN			
		250	HI-CAP NEOPRENE	ACETAL	63-20-PKN	63-20-PRKN			
				BALL	63-20-XKN	63-20-XRKN			
		400	ADVANCED ELASTOMER	BALL	63-20-XAE	63-20-XRAE			
				DELRIN	63-20-DAE	63-20-DRAE			
	CAST IRON		BALL	63-20-XCI	63-20-XRCI	3			
	HARD RUBBER		ACETAL	63-20-PH	63-20-PRH	2-1/4			
		BALL	63-20-XH	63-20-XRH					
		PHENOLIC	ROLLER	63-20-TPR	63-20-TRPR				
		POLYURETHANE / CAST IRON HUB	BALL	63-20-XADI-M-CI	63-20-XRADI-M-CI				
			PLAIN	63-20-BADI-M-CI	63-20-BRADI-M-CI				
	1 3/8	150	EXTRA SOFT THERMO-PLASTIC RUBBER	BALL	63-20-XPDM-PO-55	63-20-XRPDM-PO-55	3		
				DELRIN	63-20-DPDM-PO-55	63-20-DRPDM-PO-55			
		225	THERMO-PLASTIC RUBBER	BALL	63-20-XPDM-PO	63-20-XRPDM-PO			
				DELRIN	63-20-DPDM-PO	63-20-DRPDM-PO			
240		POLYOLEFIN	PLAIN	63-20-BPO	63-20-BRPO	2-1/4			
			BALL	63-20-XPO	63-20-XRPO				
300	POLYURETHANE / POLYOLEFIN HUB	BALL	63-20-XADI-M-PO	63-20-XRADI-M-PO	3				
		DELRIN	63-20-DADI-M-PO	63-20-DRADI-M-PO					
3 1/2	1 1/4	200	NEOPRENE RUBBER	ACETAL	63 1/2-20-PDN	63 1/2-20-PRDN	2-1/4	4-3/4	3
				BALL	63 1/2-20-XDN	63 1/2-20-XRDN			
		250	HI-CAP NEOPRENE	ACETAL	63 1/2-20-PKN	63 1/2-20-PRKN			
				BALL	63 1/2-20-XKN	63 1/2-20-XRKN			
		400	ADVANCED ELASTOMER	BALL	63 1/2-20-XAE	63 1/2-20-XRAE			
				DELRIN	63 1/2-20-DAE	63 1/2-20-DRAE			
	CAST IRON		PLAIN	63 1/2-20-BCI	63 1/2-20-BRCI				
	HARD RUBBER		ACETAL	63 1/2-20-PH	63 1/2-20-PRH	2-1/4			
		BALL	63 1/2-20-XH	63 1/2-20-XRH					
		PHENOLIC	ROLLER	63 1/2-20-TPR	63 1/2-20-TRPR				
		POLYURETHANE / CAST IRON HUB	BALL	63 1/2-20-XADI-M-CI	63 1/2-20-XRADI-M-CI	3-1/4			
			PLAIN	63 1/2-20-BADI-M-CI	63 1/2-20-BRADI-M-CI				

60 Series

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
		LBS					LBS		
3 1/2	1 3/8	160	EXTRA SOFT-55A THERMO-PLASTIC RUBBER	BALL	63 1/2-20-XPD-M-PO-55	63 1/2-20-XRPO-M-PO-55	3-1/4	4-3/4	3
				DELTRIN	63 1/2-20-DPD-M-PO-55	63 1/2-20-DRPD-M-PO-55			
		240	THERMO-PLASTIC RUBBER	BALL	63 1/2-20-XPD-M-PO	63 1/2-20-XRPD-M-PO	2-1/4		
				DELTRIN	63 1/2-20-DPD-M-PO	63 1/2-20-DRPD-M-PO			
		265	POLYOLEFIN	PLAIN	63 1/2-20-BPO	63 1/2-20-BRPO	3-1/4		
		300	POLYOLEFIN	BALL	63 1/2-20-XPO	63 1/2-20-XRPO			
360	POLYURETHANE / POLYOLEFIN HUB	BALL	63 1/2-20-XADI-M-PO	63 1/2-20-XRADI-M-PO	3-1/4				
		DELTRIN	63 1/2-20-DADI-M-PO	63 1/2-20-DRADI-M-PO					
4	1 1/4	175	EXTRA SOFT NEOPRENE	ACETAL	64-20-PEZN-RD	64-20-PREZN-RD	2-1/2	5-1/4	3-1/4
				BALL	64-20-XEZN-RD	64-20-XREZN-RD			
		200	NEOPRENE RUBBER	ACETAL	64-20-PDN	64-20-PRDN	2-1/2		
				BALL	64-20-XDN	64-20-XRDN			
		250	ROUND DONUT / NEOPRENE	ACETAL	64-20-PDN-RD	64-20-PRDN-RD	3-1/2		
				BALL	64-20-XDN-RD	64-20-XRDN-RD			
		400	HI-CAP NEOPRENE	ACETAL	64-20-PKN	64-20-PRKN	2-1/2		
				BALL	64-20-XKN	64-20-XRKN			
		400	ADVANCED ELASTOMER	BALL	64-20-XAE	64-20-XRAE	3-1/2		
				DELTRIN	64-20-DAE	64-20-DRAE			
	CAST IRON		BALL	64-20-XCI	64-20-XRCI				
			PLAIN	64-20-BCI	64-20-BRCI				
	400	HARD RUBBER	ACETAL	64-20-PH	64-20-PRH	3-1/2			
			BALL	64-20-XH	64-20-XRH				
		PHENOLIC	ROLLER	64-20-TPR	64-20-TRPR				
		POLYURETHANE/CAST IRON HUB	BALL	64-20-XADI-M-CI	64-20-XRADI-M-CI				
	1 3/8	170	EXTRA SOFT-55A THERMO-PLASTIC RUBBER	BALL	64-20-XPD-M-PO-55	64-20-XRPD-M-PO-55	3-1/2		
				DELTRIN	64-20-DPD-M-PO-55	64-20-DRPD-M-PO-55			
250		THERMO-PLASTIC RUBBER	BALL	64-20-XPD-M-PO	64-20-XRPD-M-PO	2-1/2			
			DELTRIN	64-20-DPD-M-PO	64-20-DRPD-M-PO				
400		POLYOLEFIN	PLAIN	64-20-BPO	64-20-BRPO	3-1/2			
		POLYURETHANE / POLYOLEFIN HUB	BALL	64-20-XADI-M-PO	64-20-XRADI-M-PO				
		DELTRIN	64-20-DADI-M-PO	64-20-DRADI-M-PO					
5	1 1/4	175	EXTRA SOFT NEOPRENE	ACETAL	65-20-PEZN-RD	65-20-PREZN-RD	3	6-1/4	4-1/4
				BALL	65-20-XEZN-RD	65-20-XREZN-RD			
		200	NEOPRENE RUBBER	ACETAL	65-20-PDN	65-20-PRDN	3-1/2		
				BALL	65-20-XDN	65-20-XRDN			
		250	HI-CAP NEOPRENE	ACETAL	65-20-PKN	65-20-PRKN	4		
				BALL	65-20-XKN	65-20-XRKN			
		400	ADVANCED ELASTOMER	BALL	65-20-XAE	65-20-XRAE	3		
				DELTRIN	65-20-DAE	65-20-DRAE			
			CAST IRON	BALL	65-20-XCI	65-20-XRCI			
				PLAIN	65-20-BCI	65-20-BRCI			
	400	HARD RUBBER	ACETAL	65-20-PH	65-20-PRH	4			
			BALL	65-20-XH	65-20-XRH				
		PHENOLIC	ROLLER	65-20-TPR	65-20-TRPR				
		POLYURETHANE/CAST IRON HUB	BALL	65-20-XADI-M-CI	65-20-XRADI-M-CI				
	1 3/8	180	EXTRA SOFT-55A THERMO-PLASTIC RUBBER	BALL	65-20-XPD-M-PO-55	65-20-XRPD-M-PO-55	4		
				DELTRIN	65-20-DPD-M-PO-55	65-20-DRPD-M-PO-55			
		275	THERMO-PLASTIC RUBBER	BALL	65-20-XPD-M-PO	65-20-XRPD-M-PO	3		
				DELTRIN	65-20-DPD-M-PO	65-20-DRPD-M-PO			
400		POLYOLEFIN	BALL	65-20-XPO	65-20-XRPO	4-1/2			
		POLYURETHANE / POLYOLEFIN HUB	BALL	65-20-XADI-M-PO	65-20-XRADI-M-PO				
		DELTRIN	65-20-DADI-M-PO	65-20-DRADI-M-PO					
400	POLYOLEFIN	PLAIN	65-20-BPO	65-20-BRPO	3				
5 1/2	1 1/2	200	EXTRA SOFT NEOPRENE	BALL	65 1/2-20-XEZN-RD	65 1/2-20-XREZN-RD	3-1/2	6-7/8	4-3/4

60 Series

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
6	1 1/4	200	EXTRA SOFT NEOPRENE	ACETAL	66-20-PEZN-RD	66-20-PREZN-RD	4-1/2	7-3/8	5-1/4
			NEOPRENE RUBBER	BALL	66-20-XDN	66-20-XRDN			
		275	HI-CAP NEOPRENE	ACETAL	66-20-FKN	66-20-PRKN			
				BALL	66-20-XKN	66-20-XRKN			
		400	CAST IRON	BALL	66-20-XCI	66-20-XRCI			
				PLAIN	66-20-BCI	66-20-BPCI			
	HARD RUBBER		ACETAL	66-20-PH	66-20-PRH				
			BALL	66-20-XH	66-20-XRH				
	1 3/8	190	EXTRA SOFT-55A	BALL	66-20-XPD-M-PO-55	66-20-XRPD-M-PO			
			THERMO-PLASTIC RUBBER	DELFIN	66-20-DPD-M-PO-55	66-20-DRPD-M-PO-55			
		300	THERMO-PLASTIC RUBBER	BALL	66-20-XPD-M-PO	66-20-XRPD-M-PO			
				DELFIN	66-20-DPD-M-PO	66-20-DRPD-M-PO			
		400	POLYOLEFIN	BALL	66-20-XPO	66-20-XRPO			
				PLAIN	66-20-SPPO	66-20-BRPO			
POLYURETHANE / CAST IRON HUB			BALL	66-20-XADI-M-PO	66-20-XRADI-M-PO				
			DELFIN	66-20-DADI-M-PO	66-20-DRADI-M-PO				
8	1 9/16	200	EXTRA SOFT NEOPRENE	BALL	66-20-XEZN-RD	66-20-XREZN-RD	5-1/2	9-7/16	6-3/8



SERIES

Stainless Steel



Designed to provide the ultimate
CORROSION PROTECTION

These casters are ideally suited for acetic, nitric and citric acid environments in addition to being well suited for organic and inorganic chemicals, dye stuffs, crude and refined oil environments. Widely accepted in the following industries:

- **DAIRY**
- **BEVERAGE**
- **FOOD PROCESSING**
- **PHARMACEUTICALS**
- **HOSPITALS & MEDICAL**
- **ANIMAL CAGES**

Made with non-magnetic, 303/304 stainless steel.

60 Series

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
8	1 9/16	200	EXTRA SOFT NEOPRENE	BALL	66-20-XEZN-RD	66-20-XREZN-RD	5-1/2	9-7/16	6-3/8

60 Series Stainless Steel

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
									
		LBS					LBS		
2½	1¼	200	NEOPRENE RUBBER	ACETAL	62 1/2-20-PDN-SS	62 1/2-20-PRDN-SS	2	3-3/4	2-3/8
		400	HARD RUBBER	ACETAL	62 1/2-20-PH-SS	62 1/2-20-PFH-SS	2		
			STAINLESS STEEL	PLAIN	62 1/2-20-BSS-SS	62 1/2-20-BRSS-SS	3-1/2		
	1¾	125	EXTRA SOFT THERMO-PLASTIC RUBBER	DELIRIN	62 1/2-20-DPD-M-PO-SS	62 1/2-20-DRPD-M-PO-SS	2		
		200	THERMO-PLASTIC RUBBER	DELIRIN	62 1/2-20-DPD-M-PO-SS	62 1/2-20-DRPD-M-PO-SS			
		225	POLYOLEFIN	PLAIN	62 1/2-20-BPO-SS	62 1/2-20-BRPO-SS			
		400	ADVANCED ELASTOMER	DELIRIN	62 1/2-20-DAE-SS	62 1/2-20-DRAE			
400	POLYURETHANE / POLYOLEFIN HUB	DELIRIN	62 1/2-20-DADI-M-PO-SS	62 1/2-20-DRADI-M-PO-SS					
3	1¼	175	EXTRA SOFT NEOPRENE	ACETAL	63-20-PEZN-RD-SS	63-20-PREZN-RD-SS	2-1/4	4-15/16	
		200	NEOPRENE RUBBER	ACETAL	63-20-PDN-SS	63-20-PRDN-SS		4-5/16	
		400	ADVANCED ELASTOMER	DELIRIN	63-20-DAE-SS	63-20-DRAE-SS		4-15/16	
			HARD RUBBER	ACETAL	63-20-PH-SS	63-20-PFH-SS			
			PHENOLIC	ROLLER	63-20-TPR-SS	63-20-TRPR-SS			
	STAINLESS STEEL	PLAIN	63-20-BSS-SS	63-20-BRSS-SS	4-1/2				
	1¾	150	EXTRA SOFT THERMO-PLASTIC RUBBER	DELIRIN	63-20-DPD-M-PO-SS	63-20-DRPD-M-PO-SS	3	4-5/16	
		225	THERMO-PLASTIC RUBBER	DELIRIN	63-20-DPD-M-PO-SS	63-20-DRPD-M-PO-SS			
		240	POLYOLEFIN	PLAIN	63-20-BPO-SS	63-20-BRPO-SS			
		300	POLYURETHANE / POLYOLEFIN HUB	DELIRIN	63-20-DADI-M-PO-SS	63-20-DRADI-M-PO-SS			
						4-15/16			
3½	1¼	200	NEOPRENE RUBBER	ACETAL	63 1/2-20-PDN-SS	63 1/2-20-PRDN-SS	2-1/4	4-3/4	3
		250	HI-CAP NEOPRENE	ACETAL	63 1/2-20-PKN-SS	63 1/2-20-PRKN-SS	3-1/4		
		400	ADVANCED ELASTOMER	DELIRIN	63 1/2-20-DAE-SS	63 1/2-20-DRAE-SS	2-1/4		
			HARD RUBBER	ACETAL	63 1/2-20-PH-SS	63 1/2-20-PFH-SS			
			PHENOLIC	ROLLER	63 1/2-20-TPR-SS	63 1/2-20-TRPR-SS			
	STAINLESS STEEL	PLAIN	63 1/2-20-BSS-SS	63 1/2-20-BRSS-SS	5-5/8				
	1¾	160	EXTRA SOFT THERMO-PLASTIC RUBBER	DELIRIN	63 1/2-20-DPD-M-PO-SS	63 1/2-20-DRPD-M-PO-SS	3-1/4		
		240	THERMO-PLASTIC RUBBER	DELIRIN	63 1/2-20-DPD-M-PO-SS	63 1/2-20-DRPD-M-PO-SS			
		265	POLYOLEFIN	PLAIN	63 1/2-20-BPO-SS	63 1/2-20-BRPO-SS			
		360	POLYURETHANE / POLYOLEFIN HUB	DELIRIN	63 1/2-20-DADI-M-PO-SS	63 1/2-20-DRADI-M-PO-SS			
4	1¼	175	EXTRA SOFT NEOPRENE	ACETAL	64-20-PEZN-RD-SS	64-20-PREZN-RD-SS	2-1/2	5-1/4	3-1/4
		200	NEOPRENE RUBBER	ACETAL	64-20-PDN-SS	64-20-PRDN-SS			
		250	HI-CAP NEOPRENE	ACETAL	64-20-PKN-SS	64-20-PRKN-SS			
		400	ADVANCED ELASTOMER	DELIRIN	64-20-DAE-SS	64-20-DRAE-SS			
			HARD RUBBER	ACETAL	64-20-PH-SS	64-20-PFH-SS			
	PHENOLIC		ROLLER	64-20-TPR-SS	64-20-TRPR-SS				
	STAINLESS STEEL	PLAIN	64-20-BSS-SS	64-20-BRSS-SS	7-1/8				
	1¾	170	EXTRA SOFT THERMO-PLASTIC RUBBER	DELIRIN	64-20-DPD-M-PO-SS	64-20-DRPD-M-PO-SS	3-1/2		
		250	THERMO-PLASTIC RUBBER	DELIRIN	64-20-DPD-M-PO-SS	64-20-DRPD-M-PO-SS			
		375	POLYOLEFIN	PLAIN	64-20-BPO-SS	64-20-BRPO-SS			
400		POLYURETHANE / POLYOLEFIN HUB	DELIRIN	64-20-DADI-M-PO-SS	64-20-DRADI-M-PO-SS				
5	1¼	200	NEOPRENE RUBBER	ACETAL	65-20-PDN-SS	64-20-PRDN-SS	3	6-1/4	4-3/4
		250	HI-CAP NEOPRENE	ACETAL	65-20-PKN-SS	65-20-PRKN-SS	3-1/2		
		400	ADVANCED ELASTOMER	DELIRIN	65-20-DAE-SS	65-20-DRAE-SS			
			HARD RUBBER	ACETAL	65-20-PH-SS	65-20-PFH-SS			
			PHENOLIC	ROLLER	65-20-TPR-SS	65-20-TRPR-SS			
	STAINLESS STEEL	PLAIN	65-20-BSS-SS	65-20-BRSS-SS	11-1/2				
	1¾	180	EXTRA SOFT THERMO-PLASTIC RUBBER	DELIRIN	65-20-DPD-M-PO-SS	65-20-DRPD-M-PO-SS	4		
		275	THERMO-PLASTIC RUBBER	DELIRIN	65-20-DPD-M-PO-SS	65-20-DRPD-M-PO-SS			
400		POLYURETHANE / POLYOLEFIN HUB	DELIRIN	65-20-DADI-M-PO-SS	65-20-DRADI-M-PO-SS				
440	POLYOLEFIN	PLAIN	65-20-BPO-SS	65-20-BRPO-SS	3				
6	1¼	200	NEOPRENE RUBBER	ACETAL	66-20-PDN-SS	66-20-PRDN-SS	4-1/2	7-3/8	5-1/4
		275	HI-CAP NEOPRENE	ACETAL	66-20-PKN-SS	66-20-PRKN-SS			
		400	HARD RUBBER	ACETAL	66-20-PH-SS	66-20-PFH-SS			
		190	EXTRA SOFT THERMO-PLASTIC RUBBER	DELIRIN	66-20-DPD-M-PO-SS	66-20-DRPD-M-PO-SS			
	300	THERMO-PLASTIC RUBBER	DELIRIN	66-20-DPD-M-PO-SS	66-20-DRPD-M-PO-SS				

70

SERIES

Medium Duty Industrial

Load Capacity: 300 to 600 lbs.

Quality Features

- FOUR-SIDED, DOUBLE BALL RACEWAY.**
 Hardened steel ball bearings and secondary thrust bearings touch the swivel raceway "on all four sides." This protects the central king pin from shock loading for free swiveling under heavy loads.
- HEAT-TREATED MOVING PARTS.**
 All moving parts are heat treated to a precise molecular depth and Rockwell hardness. This extends caster life under rugged conditions and shock loads.
- RACEWAY DUST CAP.**
 Dust cap protects the raceway from contamination by dust, dirt, moisture, and other debris.
- TWO-PIECE RIGID CASTER.**
 Rigid caster utilizes a welded top plate and yoke design instead of a one-piece stamped yoke as used on competitive brands.
- THREAD GUARD.**
 Keep unwanted materials out of the wheel bearings thus increasing the life of the caster. Standard on most wheels.

Strong, rugged and easy rolling, these casters provide high load capacity within a narrow profile. Offered with a wide selection of wheels, stems, and mounting plates. Formed steel yoke and double ball bearing raceways make these 70 Series casters as strong as they are durable.

Typical uses include:

- Warehouse Trucks
- Baking Ovens
- Commercial Ovens
- Platform Lifts
- Waste Receptacles
- Kitchen Fryers and Equipment

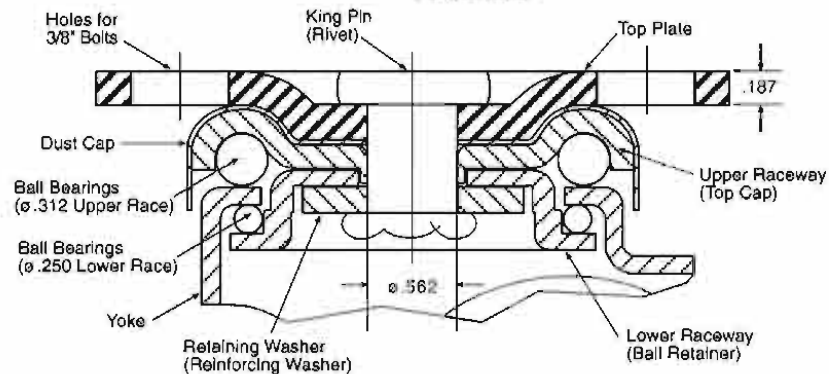
Available with combination wheel brake and swivel lock. Standard finish is Zinc Plated Steel. Custom finishes are available.



Options

- Maintenance Free Swivel Bearings
- High-Temperature Wheels
- Conductive or Static-Dissipative Wheels
- Gray, Non-Marking Wheels
- Powder Coated Finishes
- Cartwashable (special order/minimum quantity)

FOUR SIDED DOUBLE BALL BEARING RACEWAY 70 SERIES



Wheel Selection

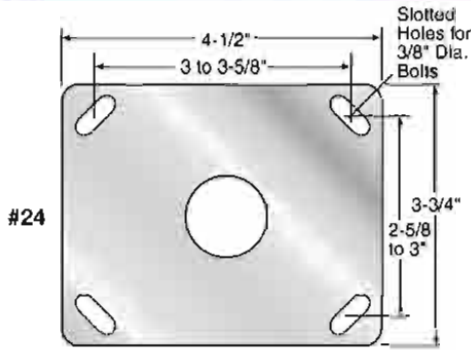
ADVANCED ELASTOMER	VEOPRENE RUBBER	HI-CAP NEDPRENE	HARD RUBBER	NEDPRENE OR POLYURETHANE STEEL DISC	CAST IRON HUB MOLD-ON POLYURETHANE
PAGE 82	PAGE 84	PAGE 86	PAGE 88	Not Available	PAGE 100

Quality Features

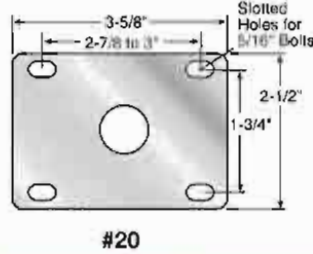
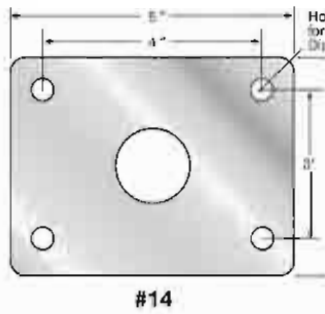
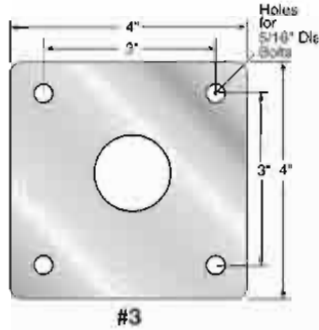
- FOUR-SIDED, DOUBLE BALL RACEWAY.

TOP PLATE

STANDARD



ALTERNATES



Medium Duty Industrial

STEMS

"O" STEM TABLE



Dimension D	Dimension L	Stem Number
*1/2"	1-1/2"	O70-12-112
*5/8"	2"	O70-58-2
*3/4"	2"	O70-34-2
*7/8"	2"	O70-78-2
*1"	2-1/2"	O70-1-212

*Other stem sizes and dimensions available. *Special Order/Minimum Quantity*

"L" STEM TABLE



Dimension T	Dimension L	Stem Number
1/2"-13	1-1/2"	L70-1213-112
*1/2"-13	2"	L70-1213-2
5/8"-11	2"	L70-5811-2
*5/8"-11	2-1/2"	L70-5811-212
*3/4"-10	1-1/2"	L70-3410-112
3/4"-10	2"	L70-3410-2
*3/4"-10	2-1/2"	L70-3410-212

*Other stem sizes and dimensions available. *Special Order/Minimum Quantity*

"E" STEM TABLE



Dimension D	
ROUND	SQUARE
3/4"	3/4"
7/8"	7/8"
1"	1"
1-1/8"	1-1/8"
1-1/4"	1-1/4"
1-1/2"	1-1/2"
1-3/4"	1-3/4"
1-7/8"	1-7/8"
2"	2"
2-1/8"	2-1/8"
2-1/4"	2-1/4"
2-3/8"	2-3/8"
2-1/2"	2-1/2"
2-5/8"	2-5/8"
2-3/4"	2-3/4"
2-7/8"	2-7/8"
3"	3"



For effective load height, subtract .187" from overall height for stem casters.

POLYOLEFIN HUB

POLYURETHANE

PAGE 98



THERMO PLASTIC RUBBER

PAGE 94



PHENOLIC

PAGE 104



POLYOLEFIN

PAGE 106

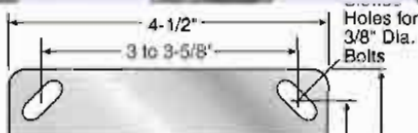


CAST IRON

PAGE 108



STANDARD





Series continued BRAKES



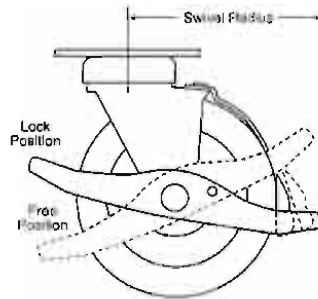
The National Sanitation Foundation specifications require smoothness of caster design and a freedom from debris collecting areas to insure easy cleaning of the caster. Designs which insure maximal grease retention in the swivel portion of the caster are also specifically required by the NSF. Our casters in the 50, 60 & 70 Series are listed by the National Sanitation Foundation.

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DARNELL-ROSE
Casters & Casters

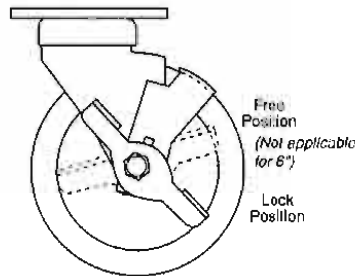
Wheel Brake (WB)



Wheel Brake

Operates by a foot pedal lever that has a rubber brake pad to form a positive brake action when the brake lever is pressed down to engage. To restore back to the normal position, simply reverse the action to disengage the brake. Easy to operate and trouble free.

Radial Brake (RB)

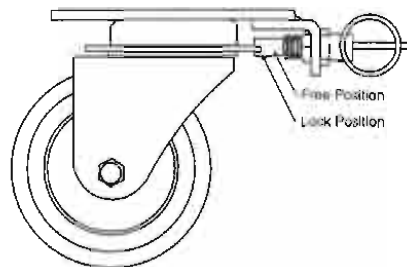


Radial Brake

Exceptional brake for light and medium duty applications, either industrial or institutional. Side pedal engages tread lock to restrain wheel movement. Brake kit available for field installation.

Available in 73, 74 & 75 Series only.

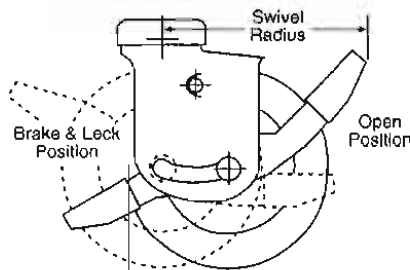
Four Position Swivel Lock (SL)



Four Position Swivel Lock

A horizontal four position swivel lock with a spring loaded plunger to securely hold the swivel in the slotted position desired. Plunger can be put into a neutral position for free swiveling action.

Combination Swivel & Wheel Brake (CB)



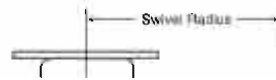
For 4" and 5" only.

Combination Swivel & Wheel Brake











For medium heavy loads, this foot lever operated combination swivel lock and wheel brake maintains the same height when the brake is engaged or in the released position. Also, the same height is maintained when used with its companion casters as swivel or rigid. For easy operation by simply stepping on the foot lever in the high position and reversing the action to release the brake to a free rolling position. Available in 4" and 5" only.











Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
3	1 3/8	300	NEOPRENE RUBBER	ACETAL	73-24-PDN	73-24-PRDN	3	4-7/16	3
		375	HI-CAP NEOPRENE	ROLLER	73-24-TDN	73-24-TRDN			
				ACETAL	73-24-PKN	73-24-PRKN			
		550	HARD RUBBER	ACETAL	73-24-PH	73-24-PRH			
	ROLLER			73-24-TH	73-24-TRH				
1 1/2	600	CAST IRON	ROLLER	73-24-TCI	73-24-TRCI	3-3/4			
		PHENOLIC	ROLLER	73-24-TPR	73-24-TRPR	3			

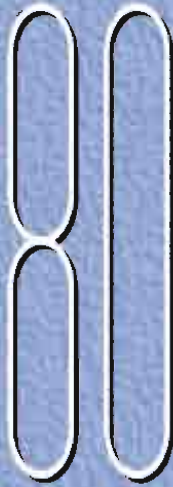
Wheel Brake (WB)



Wheel Brake

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
									
4	1 3/8	300	NEOPRENE RUBBER	ACETAL	74-24-PDN	74-24-PRDN	3-1/2	5-7/16	3-3/8
			ROLLER	74-24-TDN	74-24-TRDN				
		375	HI-CAP NEOPRENE	ACETAL	74-24-PKN	74-24-PRKN			
			ROLLER	74-24-TKN	74-24-TRKN				
		400	POLYURETHANE / POLYOLEFIN HUB	BALL	74-24-XADI-M-PO	74-24-XRADI-M-PO			
			HARD RUBBER	ACETAL	74-24-PH	74-24-PRH			
	600	HARD RUBBER	ROLLER	74-24-TH	74-24-TRH				
		ADVANCED ELASTOMER	PRECISION BALL	74-24-PXAE	74-24-PXRAE				
		ADVANCED ELASTOMER	ROLLER	74-24-TAE	74-24-TRAE				
		CAST IRON	ROLLER	74-24-TCI	74-24-TRCI				
	1 1/2	185	EXTRA SOFT THERMO-PLASTIC RUBBER	DELRIN	74-24-DPD-M-PO-55	74-24-DRPD-M-PO-55	3-1/2		
			ROLLER	74-24-TPD-M-PO-55	74-24-TRPD-M-PO-55				
		260	THERMO-PLASTIC RUBBER	DELRIN	74-24-DPD-M-PO	74-24-DRPD-M-PO			
			ROLLER	74-24-TPD-M-PO	74-24-TRPD-M-PO				
		375	POLYOLEFIN	PLAIN	74-24-BPO	74-24-BRPO			
			POLYOLEFIN	ROLLER	74-24-TPO	74-24-TRPO			
500	POLYURETHANE / POLYOLEFIN HUB	DELRIN	74-24-DADI-M-PO	74-24-DRADI-M-PO					
	ROLLER	74-24-TADI-M-PO	74-24-TRADI-M-PO						
600	PHENOLIC	ROLLER	74-24-TPH	74-24-TRPH					
	POLYURETHANE / CAST IRON HUB	ROLLER	74-24-TADI-M-CI	74-24-TRADI-M-CI					
5	1 3/8	300	NEOPRENE RUBBER	ACETAL	75-24-PDN	75-24-PRDN	4	6-7/16	3-7/8
			ROLLER	75-24-TDN	75-24-TRDN				
		375	HI-CAP NEOPRENE	ACETAL	75-24-PKN	75-24-PRKN			
			ROLLER	75-24-TKN	75-24-TRKN				
		440	POLYURETHANE / POLYOLEFIN HUB	BALL	75-24-XADI-M-PO	75-24-XRADI-M-PO			
			HARD RUBBER	ACETAL	75-24-PH	75-24-PRH			
	600	HARD RUBBER	ROLLER	75-24-TH	75-24-TRH				
		ADVANCED ELASTOMER	PRECISION BALL	75-24-PXAE	75-24-PXRAE				
		ADVANCED ELASTOMER	ROLLER	75-24-TAE	75-24-TRAE				
		POLYURETHANE / CAST IRON HUB	ROLLER	75-24-TADI-M-CI	75-24-TRADI-M-CI				
	1 1/2	190	EXTRA SOFT THERMO-PLASTIC RUBBER	DELRIN	75-24-DPD-M-PO-55	75-24-DRPD-M-PO-55	4		
			ROLLER	75-24-TPD-M-PO-55	75-24-TRPD-M-PO-55				
		320	THERMO-PLASTIC RUBBER	DELRIN	75-24-DPD-M-PO	75-24-DRPD-M-PO			
			ROLLER	75-24-TPD-M-PO	75-24-TRPD-M-PO				
		540	POLYOLEFIN	PLAIN	75-24-BPO	75-24-BRPO			
			CAST IRON	ROLLER	75-24-TCI	75-24-TRCI			
600	PHENOLIC	ROLLER	75-24-TPH	75-24-TRPH					
	POLYURETHANE / POLYOLEFIN HUB	ROLLER	75-24-TADI-M-PO	75-24-TRADI-M-PO					
6	1 3/8	300	NEOPRENE RUBBER	ACETAL	76-24-PDN	76-24-PRDN	5	7-9/16	4-5/8
			ROLLER	76-24-TDN	76-24-TRDN				
		375	HI-CAP NEOPRENE	ACETAL	76-24-PKN	76-24-PRKN			
			ROLLER	76-24-TKN	76-24-TRKN				
		500	POLYURETHANE / POLYOLEFIN HUB	BALL	76-24-XADI-M-PO	76-24-XRADI-M-PO			
			HARD RUBBER	ACETAL	76-24-PH	76-24-PRH			
	600	HARD RUBBER	ROLLER	76-24-TH	76-24-TRH				
		ADVANCED ELASTOMER	PRECISION BALL	76-24-PXAE	76-24-PXRAE				
		ADVANCED ELASTOMER	ROLLER	76-24-TAE	76-24-TRAE				
		POLYURETHANE / CAST IRON HUB	ROLLER	76-24-TADI-M-PO	76-24-TRADI-M-PO				
	1 1/2	225	EXTRA SOFT THERMO-PLASTIC RUBBER	DELRIN	76-24-DPD-M-PO-55	76-24-DRPD-M-PO-55	5		
			ROLLER	76-24-TPD-M-PO-55	76-24-TRPD-M-PO-55				
		350	THERMO-PLASTIC RUBBER	DELRIN	76-24-DPD-M-PO	76-24-DRPD-M-PO			
			ROLLER	76-24-TPD-M-PO	76-24-TRPD-M-PO				
		600	CAST IRON	ROLLER	76-24-TCI	76-24-TRCI			
			PHENOLIC	ROLLER	76-24-TPH	76-24-TRPH			
700	POLYURETHANE / CAST IRON HUB	ROLLER	76-24-TADI-M-CI	76-24-TRADI-M-CI					
	POLYURETHANE / POLYOLEFIN HUB	ROLLER	76-24-TADI-M-PO	76-24-TRADI-M-PO					

									
		300	NEOPRENE RUBBER	ACETAL	74-24-PDN	74-24-PRDN			
			HI-CAP NEOPRENE	ACETAL	74-24-PKN	74-24-PRKN			



SERIES

Medium-Heavy Duty Industrial

Load Capacity: 350 to 1000 lbs.

Quality Features

- **FOUR-SIDED, DOUBLE BALL RACEWAY.**
Hardened steel ball bearings in the load bearing and secondary thrust bearings touch the swivel raceway "on all four sides." This protects the central king pin from shock loading for free swiveling under heavy loads.
- **HEAT-TREATED MOVING PARTS.**
All moving parts are heat treated to a precise molecular depth and Rockwell hardness. This extends caster life under rugged conditions and shock loads.
- **TWO-PIECE RIGID CASTER.**
Rigid caster utilizes a welded top plate and yoke design instead of a one-piece stamped yoke as used on competitive brands.
- **THREAD GUARDS.**
Available on most wheels, keeps unwanted materials out of the wheel bearings thus increasing the life of the caster.

SWIVEL



RIGID



Options

- Cart Washable Grease Seals
- Maintenance Free Swivel Bearings
- High-Temperature Wheels
- Conductive or Static-Dissipative Wheels
- Gray, Non-Marking Wheels
- Powder Coated Finishes

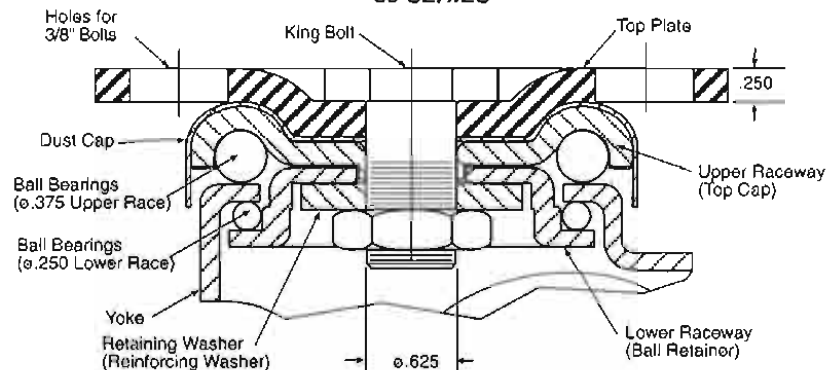
The 80 Series is one of the finest Medium-Heavy Duty casters around. The smooth, quiet swivel raceway allows use not only for industrial applications, but with proper wheel and tread selection, it can be used for hospital and institutional services as well.

Typical applications include:

- Platform Trucks
- Luggage Carts
- Computer Frames
- Storage Containers
- Manual Lift Trucks
- Mobile Cabinets

Formed steel construction makes this a tough and durable caster that provides a clean look and smooth ride. Standard finish is Zinc Plated Steel; custom finishes available.

FOUR SIDED DOUBLE BALL BEARING RACEWAY 80 SERIES



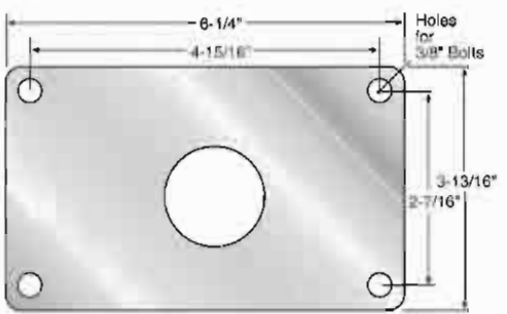
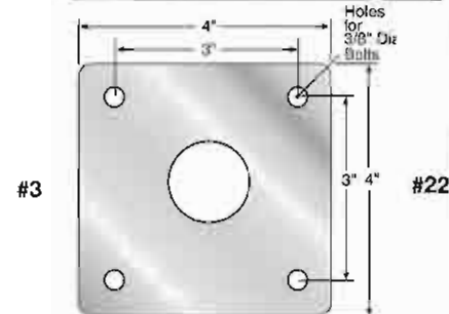
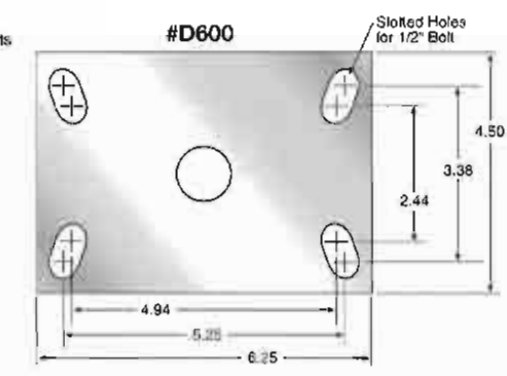
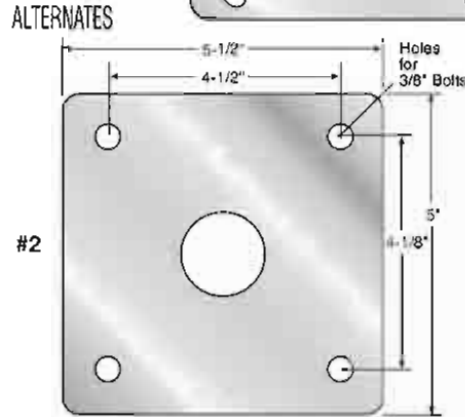
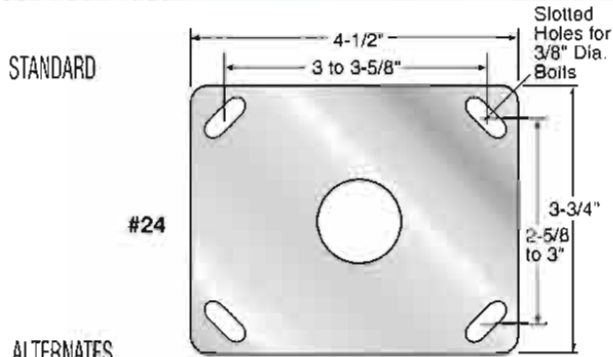
Wheel Selection

ADVANCED ELASTOMER	NEOPRENE RUBBER	HI-CAP NEOPRENE	HARD RUBBER	NEOPRENE OR POLYURETHANE	STEEL DISC	CAST IRON HUB	MOLD-ON POLYURETHANE
PAGE 82	PAGE 84	PAGE 86	PAGE 88				PAGE 100

Quality Features

- **FOUR-SIDED, DOUBLE BALL RACEWAY.**

TOP PLATE



*Medium-Heavy
Duty Industrial*



STEMS

"O" STEM TABLE

Dimension D	Dimension L	Stem Number
*5/8"	2"	O80-58-2
*3/4"	2"	O80-34-2
*7/8"	2"	O80-78-2
1"	2-1/2"	O80-1-212

Other stem sizes and dimensions available.
*Special Order-Minimum Quantity

"L" STEM TABLE

Dimension T	Dimension L	Stem Number
5/8"-11	2-1/2"	L80-5811-212
3/4"-10	2-1/2"	L80-3410-212
*7/8"-9	2-1/2"	L80-789-212
*1"-8	2-1/2"	L80-18-212

Other stem sizes and dimensions available.
*Special Order-Minimum Quantity

**7/8" round" stem



For effective load height, subtract .250" from overall height for stem casters.

POLYURETHANE HUB

POLYURETHANE

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THERMO PLASTIC RUBBER

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PHENOLIC

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POLYOLEFIN

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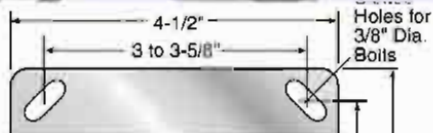


CAST IRON

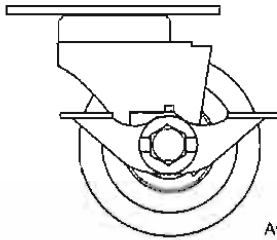
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STANDARD



Hub Brake

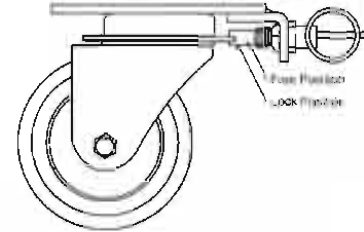


Available in 4", 5", 6", & 8"

Hub Brake

Prevents wheel movement by engaging fork legs against wheel hubs when foot pedal is applied in the locked position.

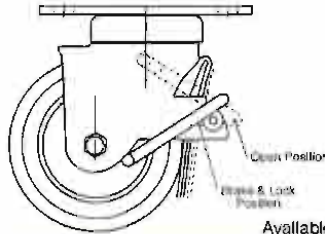
Four Position Swivel Lock (SL)



Four Position Swivel Lock

A horizontal four position swivel lock with a springloaded plunger to securely hold the swivel in the slotted position desired. Plunger can be put into a neutral position for free swiveling action.

Heavy Duty Combination Swivel & Wheel Brake (CB)

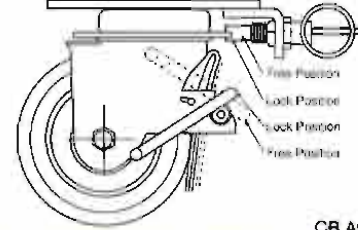


Available in 5", 6", & 8"

Heavy Duty Combination Swivel & Wheel Brake

This combination swivel and wheel brake was especially designed for heavy equipment that must be made immobile. The wheel brake is constructed to operate in conjunction with the swivel. The overall height of this caster with the brake applied or released remains the same, even when used with companion casters as a swivel or rigid.

Combination Four Position Swivel Lock & Wheel Brake (WB-SL)



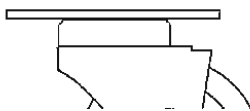
CB Available in 5", 6", & 8"

Combination Four Position Swivel Lock & Wheel Brake

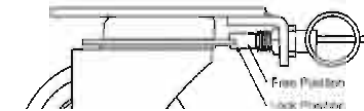
This combination horizontal four position swivel lock and wheel brake was designed to work together or operate independent from one another. Both the swivel lock plunger and the wheel brake operate from a spring steel action to assure a positive operation.

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius		
3	2	1 13/16	POLYOLEFIN	ROLLER	83-24-TPO	83-24-TRPO	4-1/2	4-1/2	2-5/8		
			350	NEOPRENE RUBBER	ROLLER	83-24-TDN	83-24-TRDN			5	
			440	HI-CAP NEOPRENE	ROLLER	83-24-TKN	83-24-TRKN			5	
			800	HARD RUBBER	ROLLER	83-24-TH	83-24-TRH			5-1/2	
				POLYURETHANE / CAST IRON HUB	ROLLER	83-24-TADI-M-CI	83-24-TRADI-M-CI			5-1/2	
			900	ADVANCED ELASTOMER	DELTRIN	83-24-DAE	83-24-DRAE			5	
					PRECISION BALL	83-24-PXAE	83-24-PXRAE			5	
				1000	CAST IRON	ROLLER	83-24-TAE			83-24-TRAE	5-1/2
					PHENOLIC	ROLLER	83-24-TCI			83-24-TRCI	5-1/2
						ROLLER	83-24-TPR			83-24-TRPR	5
4	2	200	EXTRA SOFT THERMO-PLASTIC RUBBER	DELTRIN	84-24-TPD-M-PO-55	84-24-DRPD-M-PO-55	7	5-15/16	3		
			350	NEOPRENE RUBBER	ROLLER	84-24-TDN				84-24-TRDN	
			410	THERMO-PLASTIC RUBBER	DELTRIN	84-24-DPD-M-PO				84-24-DRPD-M-PO	
			440	HI-CAP NEOPRENE	ROLLER	84-24-TKN				84-24-TRKN	
			600	POLYURETHANE / POLYOLEFIN HUB	DELTRIN	84-24-DADI-M-PO				84-24-DRADI-M-PO	
			700	POLYOLEFIN	ROLLER	84-24-TPO				84-24-TRPO	
			750	POLYURETHANE / POLYOLEFIN HUB	ROLLER	84-24-TADI-M-PO				84-24-TRADI-M-PO	
			800	HARD RUBBER	ROLLER	84-24-TH				84-24-TRH	
				POLYURETHANE / CAST IRON HUB	ROLLER	84-24-TADI-M-CI				84-24-TRADI-M-CI	
			1000	ADVANCED ELASTOMER	BALL	84-24-XAE				84-24-XRAE	6-1/2
					DELTRIN	84-24-DAE				84-24-DRAE	
					PRECISION BALL	84-24-PXAE				84-24-PXRAE	
					ROLLER	84-24-TAE				84-24-TRAE	
					ROLLER	84-24-TCI				84-24-TRCI	

Hub Brake



Four Position Swivel Lock (SL)



80 Series continued

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
5	2	225	EXTRA SOFT THERMO-PLASTIC RUBBER	DELRIN	85-24-DPD-M-PO-55	85-24-DRPD-M-PO-55	7	6-5/8	4-1/8
			THERMO-PLASTIC RUBBER	ROLLER	85-24-TPD-M-PO-55	85-24-TRPD-M-PO-55			
		350	NEOPRENE RUBBER	ROLLER	85-24-TDN	85-24-TRDN			
			HI-CAP NEOPRENE	ROLLER	85-24-TKN	85-24-TRKN			
		440	THERMO-PLASTIC RUBBER	DELRIN	85-24-DPD-M-PO	85-24-DRPD-M-PO			
				ROLLER	85-24-TPD-M-PO	85-24-TRPD-M-PO			
		800	HARD RUBBER	ROLLER	85-24-TH	85-24-TRH			
			POLYOLEFIN	ROLLER	85-24-TPO	85-24-TRPO			
		900	POLYURETHANE / CAST IRON HUB	DELRIN	85-24-TADI-M-CI	85-24-TRADI-M-CI			
				TAPERED ROLLER	85-24-YADI-M-CI	85-24-YRADI-M-CI			
		1000	ADVANCED ELASTOMER	DELRIN	85-24-DADI-M-PO	85-24-DRADI-M-PO			
				ROLLER	85-24-TADI-M-PO	85-24-TRADI-M-PO			
				BALL	85-24-XAE	85-24-XRAE			
				DELRIN	85-24-DAE	85-24-DHAE			
PRECISION BALL	85-24-PXAE			85-24-PXRAE					
ROLLER	85-24-TAE			85-24-TRAE					
CAST IRON	ROLLER	85-24-TCI	85-24-TRCI						
	PHENOLIC	ROLLER	85-24-TPR	85-24-TRPR					
6	2	250	EXTRA SOFT THERMO-PLASTIC RUBBER	DELRIN	86-24-DPD-M-PO-55	86-24-DRPD-M-PO-55	7-3/4	7-1/2	4-5/8
			THERMO-PLASTIC RUBBER	ROLLER	86-24-TPD-M-PO-55	86-24-TRPD-M-PO-55			
		400	NEOPRENE RUBBER	ROLLER	86-24-TDN	86-24-TRDN			
			THERMO-PLASTIC RUBBER	DELRIN	86-24-DPD-M-PO	86-24-DRPD-M-PO			
		440		ROLLER	86-24-TPD-M-PO	86-24-TRPD-M-PO			
			HI-CAP NEOPRENE	ROLLER	86-24-TKN	86-24-TRKN			
		800	HARD RUBBER	ROLLER	86-24-TH	86-24-TRH			
			POLYURETHANE / CAST IRON HUB	ROLLER	86-24-TADI-M-CI	86-24-TRADI-M-CI			
		840	POLYOLEFIN	ROLLER	86-24-TPO	86-24-TRPO			
			900	POLYURETHANE / POLYOLEFIN HUB	DELRIN	86-24-DADI-M-PO			
		ROLLER			86-24-TADI-M-PO	86-24-TRADI-M-PO			
		1000	ADVANCED ELASTOMER	BALL	86-24-XAE	86-24-XRAE			
				DELRIN	86-24-DAE	86-24-DRAE			
				PRECISION BALL	86-24-PXAE	86-24-PXRAE			
ROLLER	86-24-TAE			86-24-TRAE					
CAST IRON	ROLLER			86-24-TCI	86-24-TRCI				
PHENOLIC	ROLLER			86-24-TPR	86-24-TRPR				
8	2	300	EXTRA SOFT THERMO-PLASTIC RUBBER	DELRIN	88-24-DPD-M-PO-55	88-24-DRPD-M-PO-55	9-3/4	9-3/4	5-3/4
			THERMO-PLASTIC RUBBER	ROLLER	88-24-TPD-M-PO-55	88-24-TRPD-M-PO-55			
		410	THERMO-PLASTIC RUBBER	DELRIN	88-24-DPD-M-PO	88-24-DRPD-M-PO			
				ROLLER	88-24-TPD-M-PO	88-24-TRPD-M-PO			
		475	NEOPRENE RUBBER	ROLLER	88-24-TDN	88-24-TRDN			
			HARD RUBBER	ROLLER	88-24-TH	88-24-TRH			
		800	POLYURETHANE / CAST IRON HUB	ROLLER	88-24-TADI-M-CI	88-24-TRADI-M-CI			
				TAPERED ROLLER	88-24-YADI-M-CI	88-24-YRADI-M-CI			
		900	POLYOLEFIN	ROLLER	88-24-TPO	88-24-TRPO			
			CAST IRON	ROLLER	88-24-TCI	88-24-TRCI			
		1000	PHENOLIC	ROLLER	88-24-TPR	88-24-TRPR			
			POLYURETHANE / POLYOLEFIN HUB	DELRIN	88-24-DADI-M-PO	88-24-DRADI-M-PO			
		ROLLER		88-24-TADI-M-PO	88-24-TRADI-M-PO				
		1200	ADVANCED ELASTOMER	BALL	88-24-XAE	88-24-XRAE			
DELRIN	88-24-DAE			88-24-DHAE					
PRECISION BALL	88-24-PXAE			88-24-PXRAE					
ROLLER	88-24-TAE			88-24-TRAE					

All single wheel loads are based on 3 mph for less than 10 minutes continuous running.

80 Series continued

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius

A100

SERIES Medium-Heavy Duty Industrial

Load Capacity: 350 to 1000 lbs.

Quality Features

- **LARGE DIAMETER SWIVEL RACEWAY.**
Both upper main load bearing utilize large diameter raceway and 5/16" hardened steel ball bearing for easy maneuvering under heavy loads. Hydraulically staked 5/8" king pin provides years of trouble-free service.
- **EXTRA-STRONG CONTINUOUSLY WELDED SIDE LEGS.**
Yoke legs are formed from 1/4" thick steel and made wider to handle constant abuse from side thrust. Both sides are continuously welded to yoke base for added strength and endurance.
- **HEAT-TREATED MOVING PARTS.**
All moving parts are heat treated to a precise molecular depth and Rockwell hardness using a gas carbonizing process that extends caster life under rugged conditions and shock loads.
- **STANDARD SIZES AND DIMENSIONS.**
Standard top plate and slotted bolt hole pattern conforms to industry standards for quick and simple retrofitting. Replacement parts such as wheels, bearings, bushings and axles are also common sizes and readily available.

Popular, economical series for a wide variety of industrial applications. Cold forged construction utilizes 1/4" carbon steel top plate and yoke legs continuously welded to yoke base to form a tough, rugged assembly. Double ball bearing swivel raceway is heat treated for wear resistance and assembled with permanently riveted 5/8" diameter king pin.

Multitude of applications include:

- Platform Trucks
- Sheet Rock Dollies
- Waste Containers
- Lumber Carts
- Salt Dumping Hoppers
- Tilt Trucks

Top plate and bolt hole pattern conforms to industry standards. Available in Stainless Steel.

SWIVEL



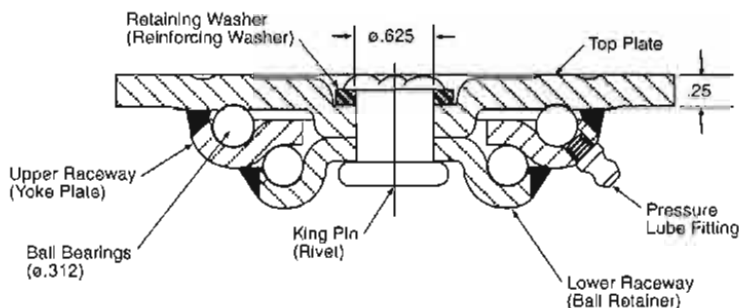
RIGID



Options

- Grease Seals for Swivel Raceway
- High-Temperature Wheels
- Conductive or Static-Dissipative Wheels
- Gray, Non-Marking Wheels
- Powder Coated Finishes

DOUBLE BALL BEARING SWIVEL RACEWAY A100 SERIES



Wheel Selection

ADVANCED ELASTOMER

THERMO PLASTIC RUBBER

CAST IRON HUB

MOLD-ON RUBBER

CAST IRON HUB

MOLD-ON POLYURETHANE

POLYOLEFIN HUB

POLYURETHANE

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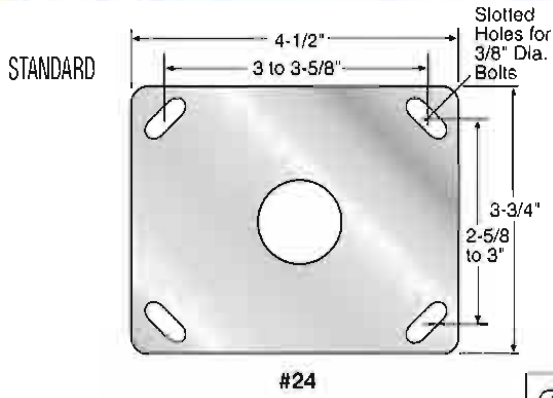


Load Capacity: 350 to 1000 lbs.

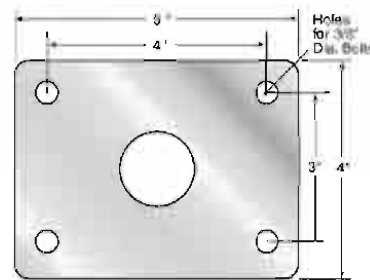
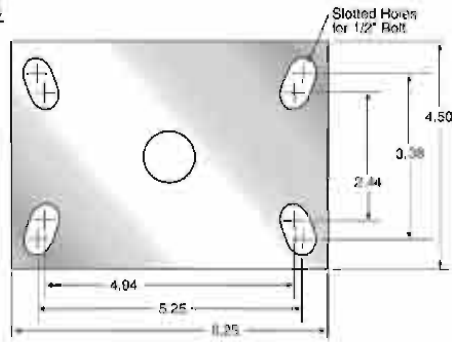
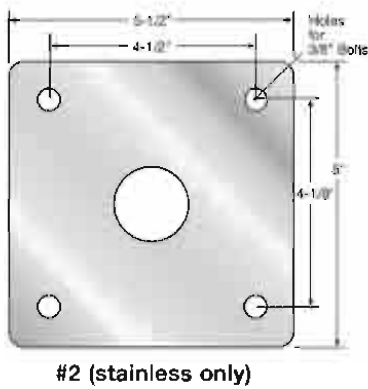
Quality Features

- **LARGE DIAMETER SWIVEL RACEWAY.**
Both upper main load bearing utilize large diam-

TOP PLATE



ALTERNATES



*Medium-Heavy
Duty Industrial*



STEMS

"O" STEM TABLE

Dimension D	Dimension L	Stem Number
*5/8"	2"	OA100-58-2
*3/4"	2-1/2"	OA100-34-212
*7/8"	2-1/2"	OA100-78-212
*1"	2-1/2"	OA100-1-212

Other stem sizes and dimensions available.
*ALL SPECIAL ORDER

"L" STEM TABLE

Dimension T	Dimension L	Stem Number
*5/8"-11	2-1/2"	LA100-5811-212
*3/4"-10	2-1/2"	LA100-3410-212
*7/8"-9	2-1/2"	LA100-789-212
*1"-8	2-1/2"	LA100-18-212

Other stem sizes and dimensions available.
*ALL SPECIAL ORDER



"LP" stem



"LPC" stem



Consult factory for sizes available.

Subtract .25" from overall height for stem castors.

WHITE NYLON

PHENOLIC

POLYOLEFIN

STAINLESS STEEL WHEEL

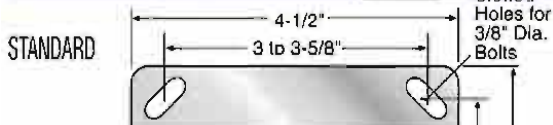
CAST IRON

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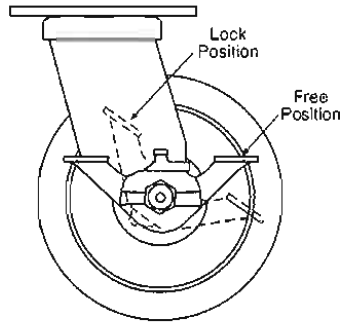
A100

SERIES *continued*

Medium-Heavy Duty Industrial

BRAKES

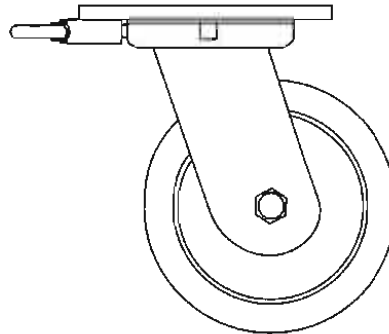
Hub Brake (HB)



Hub Brake

Prevents wheel movement by engaging fork legs against wheel hub when foot pedal is applied in the locked position.

Four Position Swivel Lock (SL)



Four Position Swivel Lock

A horizontal four position swivel lock with a spring loaded plunger to securely hold the swivel in the slotted position desired. Plunger can be put into a neutral position for free swiveling action.

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
		LBS					LBS		
4	2	200	EXTRA SOFT THERMO-PLASTIC RUBBER	DELRIN	A104-DPD-M-PO-55	A104-DRPD-M-PO-55	4	5-5/8	3-9/16
				ROLLER	A104-TPD-M-PO-55	A104-TRPD-M-PO-55			
		300	MOLD-ON RUBBER	ROLLER	A104-TD-M-CI	A104-TRD-M-CI	6		
				ROLLER	A104-DPD-M-PO	A104-DRPD-M-PO			
		550	THERMO-PLASTIC RUBBER	POLYOLEFIN	A104-DPD-M-PO	A104-TRPD-M-PO	4		
				WHITE NYLON	A104-BPO	A104-BRFO			
		580	POLYURETHANE / CAST IRON HUB	PLAIN	A104-BNYLO	A104-BRNYLO	3-3/4		
				PLAIN	A104-TADI-M-CI	A104-TRADI-M-CI			
		600	POLYURETHANE / POLYOLEFIN HUB	ROLLER	A104-DADI-M-PO	A104-DRADI-M-PO	6		
				ROLLER	A104-DPO	A104-DRPO			
		700	POLYURETHANE / POLYOLEFIN HUB	DELRIN	A104-DPO	A104-DRPO	3-3/4		
				ROLLER	A104-TADI-M-PO	A104-TRADI-M-PO			
		1000	ADVANCED ELASTOMER	BALL	A104-TADI-M-PO	A104-TRADI-M-PO	4-1/4		
				BALL	A104-XAE	A104-XRAE			
DELRIN	A104-DAE			A104-DRAE					
PRECISION BALL	A104-PXAE			A104-PXRAE					
ROLLER	A104-TAE			A104-TRAЕ					
ROLLER	A104-TAE			A104-TRAЕ					
CAST IRON	ROLLER	A104-TCI	A104-TRCI	6-1/4					
	DELRIN	A104-DPR	A104-DRPR						
PHENOLIC	DELRIN	A104-DPR	A104-DRPR	4-1/4					



A100 Series continued

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
5	2	225	EXTRA SOFT THERMO-PLASTIC RUBBER	DELRIN	A105-DPD-M-PO-55	A105-DRPD-M-PO-55	5	6-1/2	4-1/4
			ROLLER	A105-TPD-M-PO-55	A105-TRPD-M-PO-55				
		350	MOLD-ON RUBBER	ROLLER	A105-TD-M-CI	A105-TRD-M-CI	7		
			THERMO-PLASTIC RUBBER	DELRIN	A105-DPD-M-PO	A105-DRPD-M-PO	5		
		650	POLYOLEFIN	ROLLER	A105-TPD-M-PO	A105-TRPD-M-PO			
				PLAIN	A105-BPO	A105-BRPO			
		700	WHITE NYLON	PLAIN	A105-BNYLO	A105-BRNYLO	7		
				POLYURETHANE / CAST IRON HUB	ROLLER	A105-TADI-M-CI			
		850	POLYOLEFIN	ROLLER	A105-TPO	A105-TRPO	4-3/4		
				POLYURETHANE / POLYOLEFIN HUB	DELRIN	A105-DADI-M-PO	A105-DRADI-M-PO		
		1000	ADVANCED ELASTOMER	BALL	A105-XAE	A105-XRAE	7-1/2		
				DELRIN	A105-DAE	A105-DRAE			
				PRECISION BALL	A105-PXAE	A105-PXRAE			
				ROLLER	A105-TAE	A105-TRAE			
CAST IRON	ROLLER			A105-TCI	A105-TRCI	7-1/4			
DELRIN	A105-DPR			A105-DRPR	5-1/4				
ROLLER	A105-TPR			A105-TRPR					
POLYURETHANE / POLYOLEFIN HUB	ROLLER	A105-TADI-M-PO	A105-TRADI-M-PO						
6	2	250	EXTRA SOFT THERMO-PLASTIC RUBBER	DELRIN	A106-DPD-M-PO-55	A106-DRPD-M-PO-55	5-1/4	7-1/2	5
			ROLLER	A106-TPD-M-PO-55	A106-TRPD-M-PO-55				
		400	THERMO-PLASTIC RUBBER	DELRIN	A106-DPD-M-PO	A106-DRPD-M-PO	7-1/5		
				ROLLER	A106-TPD-M-PO	A106-TRPD-M-PO			
		410	MOLD-ON RUBBER	ROLLER	A106-TD-M-CI	A106-TRD-M-CI	5-1/4		
				POLYOLEFIN	ROLLER	A106-BPO			
		700	POLYOLEFIN	ROLLER	A106-TPO	A106-TRPO	7-1/5		
				PLAIN	A106-BNYLO	A106-BRNYLO			
		840	WHITE NYLON	PLAIN	A106-BNYLO	A106-BRNYLO	5-1/4		
				POLYURETHANE / POLYOLEFIN HUB	DELRIN	A106-DADI-M-PO			
		900	ADVANCED ELASTOMER	BALL	A106-XAE	A106-XRAE	7-3/4		
				DELRIN	A106-DAE	A106-DRAE			
				PRECISION BALL	A106-PXAE	A106-PXRAE			
				ROLLER	A106-TAE	A106-TRAE			
CAST IRON	ROLLER			A106-TCI	A106-TRCI	10-2/5			
DELRIN	A106-DPR			A106-DRPR	6				
ROLLER	A106-TPR			A106-TRPR					
POLYURETHANE / CAST IRON HUB	ROLLER	A106-TADI-M-CI	A106-TRADI-M-CI	7-1/5					
POLYURETHANE / POLYOLEFIN HUB	ROLLER	A106-TADI-M-PO	A106-TRADI-M-PO	5-1/4					
8	2	300	EXTRA SOFT THERMO-PLASTIC RUBBER	DELRIN	A108-DPD-M-PO-55	A108-DRPD-M-PO-55	7	9-1/2	6-1/8
			ROLLER	A108-TPD-M-PO-55	A108-TRPD-M-PO-55				
		450	THERMO-PLASTIC RUBBER	DELRIN	A108-DPD-M-PO	A108-DRPD-M-PO	11		
				ROLLER	A108-TPD-M-PO	A108-TRPD-M-PO			
		500	MOLD-ON RUBBER	ROLLER	A108-TD-M-CI	A108-TRD-M-CI	7		
				POLYOLEFIN	PLAIN	A108-BPO			
		900	POLYOLEFIN	ROLLER	A108-TPO	A108-TRPO	8		
				PLAIN	A108-BNYLO	A108-BRNYLO			
		940	WHITE NYLON	DELRIN	A108-DPR	A108-DRPR	7		
				ROLLER	A108-TPR	A108-TRPR			
		1000	PHENOLIC	DELRIN	A108-DPR	A108-DRPR	8		
				ROLLER	A108-TPR	A108-TRPR			
		POLYURETHANE / POLYOLEFIN HUB	ADVANCED ELASTOMER	DELRIN	A108-DADI-M-PO	A108-DRADI-M-PO	7		
				BALL	A108-XAE	A108-XRAE			
1000	ADVANCED ELASTOMER	DELRIN	A108-DAE	A108-DRAE	9-1/2				
		PRECISION BALL	A108-PXAE	A108-PXRAE					
		ROLLER	A108-TAE	A108-TRAE					
		ROLLER	A108-TCI	A108-TRCI		13-1/2			
POLYURETHANE / CAST IRON HUB	ROLLER	A108-TADI-M-CI	A108-TRADI-M-CI	11					



A100

SERIES

Stainless Steel



See Page 49 for Alternate Top Plates

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
4	2	225	EXTRA SOFT THERMO-PLASTIC RUBBER	DELTRIN	A104-DPD-M-PO-SS	A104-DRPD-M-PO-SS	4	5-5/8	3-9/16
				ROLLER	A104-TPD-M-PO-SS	A104-TRPD-M-PO-SS			
		300	THERMO-PLASTIC RUBBER	DELTRIN	A104-DPD-M-PO-SS	A104-DRPD-M-PO-SS			
				ROLLER	A104-TPD-M-PO-SS	A104-TRPD-M-PO-SS			
		500	POLYOLEFIN	PLAIN	A104-BPO-SS	A104-BRPO-SS			
				ROLLER	A104-TPO-SS	A104-TRPO-SS			
		600	WHITE NYLON	PLAIN	A104-BNYLO-SS	A104-BRNYLO-SS			
				ROLLER	A104-TNYLO-SS	A104-TRNYLO-SS			
		600	POLYURETHANE / POLYOLEFIN HUB	DELTRIN	A104-DADI-M-PO-SS	A104-DRADI-M-PO-SS			
				ROLLER	A104-TADI-M-PO-SS	A104-TRADI-M-PO-SS			
		800	PHENOLIC	DELTRIN	A104-DPR-SS	A104-DRPR-SS			
				ROLLER	A104-TPR-SS	A104-TRPR-SS			
1000	ADVANCED ELASTOMER	BALL	A104-XAE-SS	A104-XRAE-SS					
		DELTRIN	A104-DAE-SS	A104-DRAE-SS					
		ROLLER	A104-TAE-SS	A104-TRAE-SS					
1000	STAINLESS STEEL	PLAIN	A104-BSS-SS	A104-BRSS-SS	12				
5	2	225	EXTRA SOFT THERMO-PLASTIC RUBBER	DELTRIN	A105-DPD-M-PO-SS	A105-DRPD-M-PO-SS	5	6-1/2	4-1/4
				ROLLER	A105-TPD-M-PO-SS	A105-TRPD-M-PO-SS			
		300	THERMO-PLASTIC RUBBER	DELTRIN	A105-DPD-M-PO-SS	A105-DRPD-M-PO-SS			
				ROLLER	A105-TPD-M-PO-SS	A105-TRPD-M-PO-SS			
		650	POLYOLEFIN	PLAIN	A105-BPO-SS	A105-BRPO-SS			
				ROLLER	A105-TPO-SS	A105-TRPO-SS			
		850	WHITE NYLON	PLAIN	A105-BNYLO-SS	A105-BRNYLO-SS			
				ROLLER	A105-TNYLO-SS	A105-TRNYLO-SS			
		850	POLYURETHANE / POLYOLEFIN HUB	DELTRIN	A105-DADI-M-PO-SS	A105-DRADI-M-PO-SS			
				ROLLER	A105-TADI-M-PO-SS	A105-TRADI-M-PO-SS			
		1000	PHENOLIC	DELTRIN	A105-DPR-SS	A105-DRPR-SS			
				ROLLER	A105-TPR-SS	A105-TRPR-SS			
1000	ADVANCED ELASTOMER	BALL	A105-XAE-SS	A105-XRAE-SS					
		DELTRIN	A105-DAE-SS	A105-DRAE-SS					
		ROLLER	A105-TAE-SS	A105-TRAE-SS					
1000	STAINLESS STEEL	PLAIN	A105-BSS-SS	A105-BRSS-SS	16				
6	2	250	EXTRA SOFT THERMO-PLASTIC RUBBER	DELTRIN	A106-DPD-M-PO-SS	A106-DRPD-M-PO-SS	5-1/4	7-1/2	5
				ROLLER	A106-TPD-M-PO-SS	A106-TRPD-M-PO-SS			
		400	THERMO-PLASTIC RUBBER	DELTRIN	A106-DPD-M-PO-SS	A106-DRPD-M-PO-SS			
				ROLLER	A106-TPD-M-PO-SS	A106-TRPD-M-PO-SS			
		700	POLYOLEFIN	PLAIN	A106-BPO-SS	A106-BRPO-SS			
				ROLLER	A106-TPO-SS	A106-TRPO-SS			
		900	WHITE NYLON	PLAIN	A106-BNYLO-SS	A106-BRNYLO-SS			
				ROLLER	A106-TNYLO-SS	A106-TRNYLO-SS			
		900	POLYURETHANE / POLYOLEFIN HUB	DELTRIN	A106-DADI-M-PO-SS	A106-DRADI-M-PO-SS			
				ROLLER	A106-TADI-M-PO-SS	A106-TRADI-M-PO-SS			
		1000	PHENOLIC	DELTRIN	A106-DPR-SS	A106-DRPR-SS			
				ROLLER	A106-TPR-SS	A106-TRPR-SS			
1000	ADVANCED ELASTOMER	BALL	A106-XAE-SS	A106-XRAE-SS					
		DELTRIN	A106-DAE-SS	A106-DRAE-SS					
		ROLLER	A106-TAE-SS	A106-TRAE-SS					
1000	STAINLESS STEEL	PLAIN	A106-BSS-SS	A106-BRSS-SS	22-3/4				



Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
8	2	300	EXTRA SOFT	DELRIN	A108-DPD-M-PO-55-SS	A108-DRPD-M-PO-55-SS	7	9-1/2	6-1/8
			THERMO-PLASTIC RUBBER	ROLLER	A108-TPD-M-PO-55-SS	A108-TRPD-M-PO-55-SS			
		450	THERMO-PLASTIC RUBBER	DELRIN	A108-DPD-M-PO-SS	A108-DRPD-M-PO-SS	5		
				ROLLER	A108-TPD-M-PO-SS	A108-TRPD-M-PO-SS			
		900	POLYOLEFIN	PLAIN	A108-BPO-SS	A108-BRPO-SS	5		
			WHITE NYLON	PLAIN	A108-BNYLO-SS	A108-BRNYLO-SS			
		950	POLYURETHANE / POLYOLEFIN HUB	DELRIN	A108-DADI-M-PO-SS	A108-DRADI-M-PO-SS	5-1/2		
				ROLLER	A108-TADI-M-PO-SS	A108-TRADI-M-PO-SS			
		1000	PHENOLIC	DELRIN	A108-DPR-SS	A108-DRPR-SS	38-1/2		
				ROLLER	A108-TPR-SS	A108-TRPR-SS			
		1000	STAINLESS STEEL	PLAIN	A108-BSS-SS	A108-BRSS-SS	9-1/2		
			ADVANCED ELASTOMER	BALL	A108-XAE-SS	A108-XRAE-SS			
				DELRIN	A108-DAE-SS	A108-DRAE-SS			
				ROLLER	A108-TAE-SS	A108-TRAE-SS			

Designed to provide the ultimate

CORROSION PROTECTION

These casters are ideally suited for acetic, nitric and citric acid environments in addition to being well suited for organic and inorganic chemicals, dye stuffs, crude and refined oil environments. Widely accepted in the following industries:

- DAIRY
- BEVERAGE
- FOOD PROCESSING
- PHARMACEUTICALS
- HOSPITALS & MEDICAL
- ANIMAL CAGES

Made with non-magnetic, 303/304 stainless steel; optional 316 stainless available. Standard with swivel raceway grease seals and zerk fitting.





UNDERWRITERS
LABORATORY



INSTITUTE OF CASTER
MANUFACTURERS



INDUSTRY MANUFACTURERS COUNCIL



MATERIAL HANDLING
INDUSTRY
OF AMERICA®



WORLDWIDE
D-I-Y COUNCIL



NSF
NATIONAL SANITATION
FOUNDATION



Inflight
Food Service
Association

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
		300	EXTRA SOFT	DELRIN	A108-DPD-M-PO-55-SS	A108-DRPD-M-PO-55-SS	7		
			THERMO-PLASTIC RUBBER	ROLLER	A108-TPD-M-PO-55-SS	A108-TRPD-M-PO-55-SS			
		450	THERMO-PLASTIC RUBBER	DELRIN	A108-DPD-M-PO-SS	A108-DRPD-M-PO-SS			
				ROLLER	A108-TPD-M-PO-SS	A108-TRPD-M-PO-SS			

20

SERIES

Heavy Duty Industrial

Load Capacity 350 to 1,000 lbs.

Quality Features

- MACHINED CRAFTED SWIVEL RACEWAY.**
 Upper main load bearing consisting of top plate and base plate are precisely machined by CNC lathe to close tolerances and dimensions. The upper set of 3/8" hardened steel ball bearings carries load weight, while lower set handles lateral thrust loads.
- EXTRA-STRONG CONTINUOUSLY WELDED SIDE LEGS.**
 Yoke legs are formed from 1/4" thick steel and made wider to handle constant abuse from side thrust. Fork legs are continuously welded to yoke base for added strength and endurance.
- HEAT-TREATED MOVING PARTS.**
 All moving parts are heat treated to a precise molecular depth and Rockwell hardness using a gas carburizing process that extends ester life under rugged conditions and shock loads.
- SEALED RACEWAYS WITH LUBE FITTING.**
 Upper raceway is permanently assembled with a neoprene grease seal. Bottom raceway is covered with a metal grease seal cap that is press fit then secured with Epoxy. Pressure fitting is provided for lubrication using convention grease guns.

Designed for heavy-duty service, construction features include 3/8" top plate, thick welded yoke, and a double ball bearing swivel raceway that is machined to close tolerances and exact dimensions. Both a neoprene seal and metal dust cap are used to prevent foreign matter from abraded the swivel raceway. Pressure lubrication fittings are provided in both the swivel fork and the wheel axle bolt.

Used in heavy-duty applications such as:

- Heavy Machinery
- Die Setting Tables
- Computer Mainframes
- Air Cargo Dollies
- Cranes and Ganties
- Electric Pallet Lifts

The 20 series is specifically designed to be the most heavily constructed caster of its kind. Standard finish is bright zinc.



SWIVEL

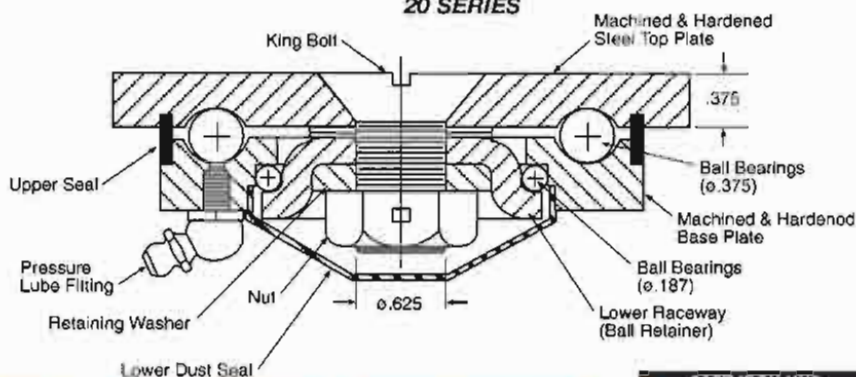


RIGID

Options

- High-Temperature Wheels
- Conductive or Static-Dissipative Wheels
- Gray, Non-marking Wheels

DOUBLE BALL BEARING SWIVEL RACEWAY 20 SERIES



Wheel Selection

ADVANCED ELASTOMER

PAGE 82



NEOPRENE RUBBER

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HI-CAP NEOPRENE

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THERMO PLASTIC RUBBER

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CAST IRON HUB

MO-D-ON POLYURETHANE

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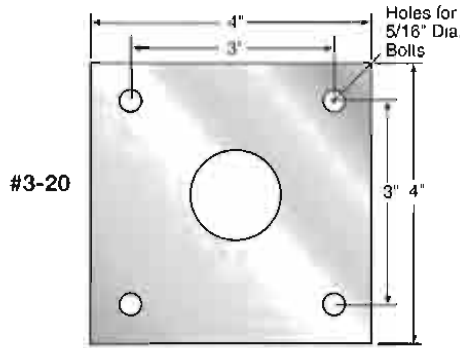


Quality Features

- MACHINED CRAFTED SWIVEL RACEWAY.**
 Upper main load bearing consisting of top plate

TOP PLATE

STANDARD



Heavy Duty Industrial

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius	
3	1 7/8	350	NEOPRENE RUBBER	ROLLER	23-3-TDN	23-3-TRDN	5-1/2	4-1/2	2-1/2	
		440	HI-CAP NEOPRENE	ROLLER	23-3-TKN	23-3-TRKN				
		800	HARD RUBBER	ROLLER	23-3-TH	23-3-TRH				
			POLYURETHANE / CAST IRON HUB	ROLLER	23-3-TADI-M-CI	23-3-TRADI-M-CI				
		1000	CAST IRON	ROLLER	23-3-TCI	23-3-TRCI				
	2	1000	PHENOLIC	ROLLER	23-3-TPR	23-3-TRPR	5-1/2			
	4	1 7/8	350	NEOPRENE RUBBER	ROLLER	24-3-TDN	24-3-TRDN	6	5-1/2	3
			440	HI-CAP NEOPRENE	ROLLER	24-3-TKN	24-3-TRKN			
			800	HARD RUBBER	ROLLER	24-3-TH	24-3-TRH			
				POLYURETHANE / CAST IRON HUB	ROLLER	24-3-TADI-M-CI	24-3-TRADI-M-CI			
1000			CAST IRON	ROLLER	24-3-TCI	24-3-TRCI				
2		200	EXTRA SOFT THERMO-PLASTIC RUBBER	DELIRIN	24-3-DPD-M-PO-55	24-3-DRPD-M-PO-55	4-1/2			
				ROLLER	24-3-TPD-M-PO-55	24-3-TRPD-M-PO-55				
		300	THERMO-PLASTIC RUBBER	DELIRIN	24-3-DPD-M-PO	24-3-DRPD-M-PO				
				ROLLER	34-3-TPD-M-PO	24-3-TRPD-M-PO				
		600	POLYURETHANE / POLYOLEFIN HUB	DELIRIN	24-3-DADI-M-PO	24-3-DRADI-M-PO				
		700	POLYOLEFIN	ROLLER	24-3-TPO	24-3-TRPO				
		750	POLYURETHANE / POLYOLEFIN HUB	ROLLER	24-3-TADI-M-PO	24-3-TRADI-M-PO				
1000	PHENOLIC	ROLLER	24-3-TPR	24-3-TRPR	6					
5	1 7/8	350	NEOPRENE RUBBER	ROLLER	25-3-TDN	25-3-TRDN	7-1/2	6-1/2	3-1/2	
		440	HI-CAP NEOPRENE	ROLLER	25-3-TKN	25-3-TRKN				
		800	HARD RUBBER	ROLLER	25-3-TH	25-3-TRH				
			POLYURETHANE / CAST IRON HUB	ROLLER	25-3-TADI-M-CI	25-3-TRADI-M-CI				
		1000	CAST IRON	TAPERED ROLLER	25-3-TCI	25-3-TRCI				
	2	225	EXTRA SOFT THERMO-PLASTIC RUBBER	DELIRIN	25-3-DPD-M-PO-55	25-3-DRPD-M-PO-55	5			
				ROLLER	25-3-TPD-M-PO-55	25-3-TRPD-M-PO-55				
		350	THERMO-PLASTIC RUBBER	DELIRIN	25-3-DPD-M-PO	25-3-DRPD-M-PO				
				ROLLER	25-3-TPD-M-PO	25-3-TRPD-M-PO				
		800	POLYURETHANE / CAST IRON HUB	TAPERED ROLLER	25-3-YADI-M-CI	25-3-YRADI-M-CI				
		850	POLYURETHANE / POLYOLEFIN HUB	DELIRIN	25-3-DADI-M-PO	25-3-DRADI-M-PO				
			PHENOLIC	ROLLER	25-3-TPR	25-3-TRPR				
		1000	POLYURETHANE / POLYOLEFIN HUB	ROLLER	25-3-TADI-M-PO	25-3-TRADI-M-PO				

POLYOLEFIN HUB

POLYURETHANE

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PHENOLIC

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POLYOLEFIN

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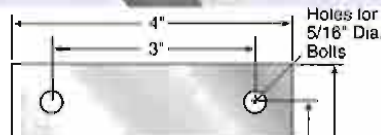


CAST IRON

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STANDARD



R400

SERIES

Forged Steel
Medium-Heavy Duty

Load Capacity: 300 to 1,800 lbs.

This series is the strongest caster available with standard 2" wheel width. Hot forged top plate, bottom retainer, and yoke base are all made with SAE-1050 quality grade steel to provide superior strength when compared to stamped metal casters. King pin is a special 3/8" diameter hardened alloy steel bolt and nut that is fully adjustable.

Typical uses include:

- Heavy Drywall Carts
- Glass Transfer Trucks
- Lumber Carts and Dollies
- Jigs and Fixtures
- Light-Duty Trailers

The perfect replacement caster for lighter duty stamped casters that don't hold up under severe applications. Standard finish is industrial blue enamel.

SWIVEL



RIGID



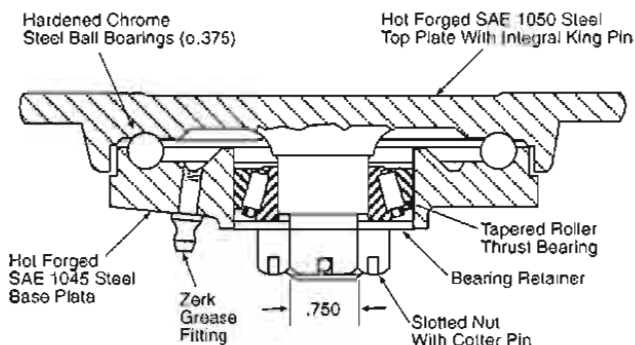
Quality Features

- **HOT FORGED SWIVEL RACEWAY.** SAE-1050 hot forged steel assembly with acutely formed and matched raceways that contain a full complement of 3/8" diameter polished alloy steel ball bearings. Secondary raceway uses tapered roller bearing for added endurance.
- **ADJUSTABLE KING PIN.** Special 3/4" diameter integral forged king pin bolt and nut is fully adjustable whenever necessary.
- **LUBRICATION FITTINGS.** Easily accessible pressure fitting is added to main and secondary ball race, and to wheel bearings through either a fitting in the head of axle.
- **REINFORCED WELDED FORK LEGS.** Side forks are extra-wide, offset, and continuously welded for added strength.

Options

- Wheel Thread Guard
- Grease Seals for Swivel Raceways
- High-Temperature Wheels
- Conductive or Static-Dissipative Wheels

SWIVEL BEARING RACEWAY R400 SERIES

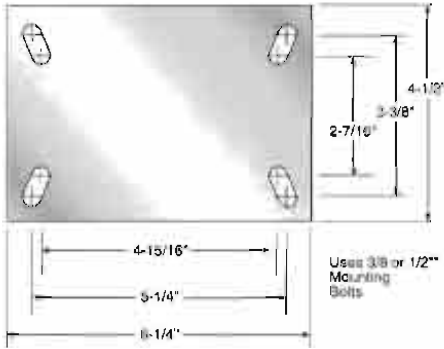


Wheel Selection

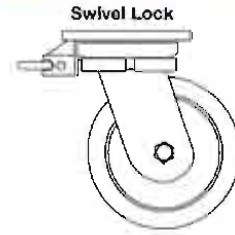
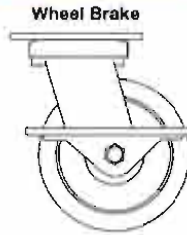
CAST IRON HUB	CAST IRON HUB	CAST IRON HUB	CAST IRON HUB	PHENOLIC	CAST IRON
ADVANCED ELASTOMER	MOLD-ON RUBBER	MOLD-ON POLYURETHANE	MOLD-ON SOFT POLY		
PAGE 82	PAGE 92	PAGE 100	PAGE 102	PAGE 106	PAGE 108

Load Capacity: 300 to 1,800 lbs.

TOP PLATE



BRAKES



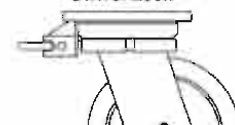
Wheel Brake

This wheel brake is an inexpensive, yet effective way to render all types of equipment safe while being stored, loaded or unloaded. Operation is simple and straightforward. Pressing down firmly on either end of the brake pedal actuates a camming mechanism which locks the wheel against rotation. Returning the pedal to "neutral" (horizontal to floor-line) unlocks the brake and enables the caster to "free-wheel" once again.

Swivel Lock

This plunger-type swivel lock, with cast malleable iron body can be welded to any of the light-duty casters.

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
3 1/4	2	700	CAST IRON	ROLLER	SC-432-CI	RC-432-CI	6-4/5	5-1/4	3-3/16
			PHENOLIC	ROLLER	SC-432-PR	RC-432-PR	5-3/10		
4	2	300	MOLD-ON RUBBER	ROLLER	SC-442-RS	RC-442-RS	6-9/10	5-5/8	3-9/16
		580	ADVANCED ELASTOMER	PRECISION BALL	SC-442-PXAE	RC-442-PXAE	7-1/10		
			POLYURETHANE / CAST IRON HUB	ROLLER	SC-442-TAE	RC-442-TAE			
			SOFT POLY / CAST IRON HUB	ROLLER	SC-442-PS	RC-442-PS			
		800	PHENOLIC	ROLLER	SC-442-PR	RC-442-PR	5-1/2		
1100	CAST IRON	ROLLER	SC-442-CI	RC-442-CI	8-7/10				
5	2	350	MOLD-ON RUBBER	ROLLER	SC-452-RS	RC-452-RS	8-3/5	6-1/2	4-1/4
		700	ADVANCED ELASTOMER	PRECISION BALL	SC-452-PXAE	RC-452-PXAE	8-1/2		
			POLYURETHANE / CAST IRON HUB	ROLLER	SC-452-TAE	RC-452-TAE			
			SOFT POLY / CAST IRON HUB	ROLLER	SC-452-PS	RC-452-PS			
		1000	PHENOLIC	ROLLER	SC-452-PR	RC-452-PR	8-9/10		
1300	CAST IRON	ROLLER	SC-452-CI	RC-452-CI	10-1/10				
6	2	410	MOLD-ON RUBBER	ROLLER	SC-462-RS	RC-462-RS	11-2/5	7-1/2	5
			ROLLER	SC-463-RS	RC-463-RS	12-3/10	8-1/2	5-1/8	
		1200	PHENOLIC	ROLLER	SC-462-PR	RC-462-PR	8-1/2	7-1/2	5
			ROLLER	SC-463-PR	RC-463-PR	9-2/5	8-1/2	5-1/8	
		1500	ADVANCED ELASTOMER	PRECISION BALL	SC-462-PXAE	RC-462-PXAE	11-2/5	7-1/2	5
			PRECISION BALL	SC-463-PXAE	RC-463-PXAE	12-3/10	8-1/2	5-1/8	
			ROLLER	SC-462-TAE	RC-462-TAE	11-2/5	7-1/2	5	
			ROLLER	SC-463-TAE	RC-463-TAE	12-3/10	8-1/2	5-1/8	
			POLYURETHANE / CAST IRON HUB	ROLLER	SC-462-PS	RC-462-PS	11-2/5	7-1/2	5
			ROLLER	SC-463-PS	RC-463-PS	12-3/10	8-1/2	5-1/8	
1600	SOFT POLY / CAST IRON HUB	ROLLER	SC-462-PSB	RC-462-PSB	11-2/5	7-1/2	5		
	ROLLER	SC-463-PSB	RC-463-PSB	12-3/10	8-1/2	5-1/8			
1600	CAST IRON	ROLLER	SC-462-CI	RC-462-CI	12-3/5	7-1/2	5		
	ROLLER	SC-463-CI	RC-463-CI	13-1/2	8-1/2	5-1/8			
8	2	500	MOLD-ON RUBBER	ROLLER	SC-482-RS	RC-482-RS	14	9-1/2	6-1/8
		1400	PHENOLIC	ROLLER	SC-482-PR	RC-482-PR	10-3/5		
			ADVANCED ELASTOMER	PRECISION BALL	SC-482-PXAE	RC-482-PXAE	14		
		POLYURETHANE / CAST IRON HUB	ROLLER	SC-482-TAE	RC-482-TAE				
		SOFT POLY / CAST IRON HUB	ROLLER	SC-482-PS	RC-482-PS				
1800	CAST IRON	ROLLER	SC-482-PSB	RC-482-PSB	16-3/10				
10	2	650	MOLD-ON RUBBER	ROLLER	SC-4102-RS	RC-4102-RS	19	11-1/2	7-3/4
		1700	POLYURETHANE / CAST IRON HUB	ROLLER	SC-4102-PS	RC-4102-PS			
			SOFT POLY / CAST IRON HUB	ROLLER	SC-4102-PSB	RC-4102-PSB			



RO95

SERIES

Forged Steel Body Dolly Caster

SWIVEL

Designed to automotive standards for car and truck body assembly lines. Hot forged top plate, yoke base and bearing retainer are made with SAE-1050 steel and features a strong king pin with slotted adjusting nut. Raceways are flame hardened for longer life and better performance.

Typically used for:

- Body Line Assembly
- Service Carts
- Conveyor Tow Lines
- Pallet Movers
- Large Scrap Bins

The rugged design and material strength makes this caster stand alone, whether used on automotive assembly lines or in general industrial applications. Standard finish is either red or blue enamel.



Load Capacity 3,000 lbs.

Quality Features

- **SPECIAL KING BOLT ASSEMBLY.**
Utilizes a special SAE-8640 hardened steel king bolt to meet the severe and rugged demands of automotive line assembly. Used with a slotted nut to allow for proper bearing adjustment whenever necessary.
- **HOT FORGED STEEL CONSTRUCTION.**
Top plate, yoke base and bearing retainer are hot forged using SAE-1050 hardening quality steel. Raceways are precision machined for 1/2" hardened chrome steel load bearings and tapered thrust bearing.
- **COMPLETELY HEAT-TREATED.**
All metal parts, including wheel, axle bolt and nut, are heat-treated to a specific molecular depth and Rockwell hardness.
- **EMBOSSED AND WELDED FORK LEGS.**
Side forks are embossed and continuously welded on both sides for added strength.
- **OPTIONAL WHEEL BEARINGS**
Drop forged wheel is offered with either straight or tapered roller bearings. Metal seal is also available with straight roller bearing.

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DARNELL-ROSE
CORPORATION

Wheel Selection

DROP FORGED STEEL

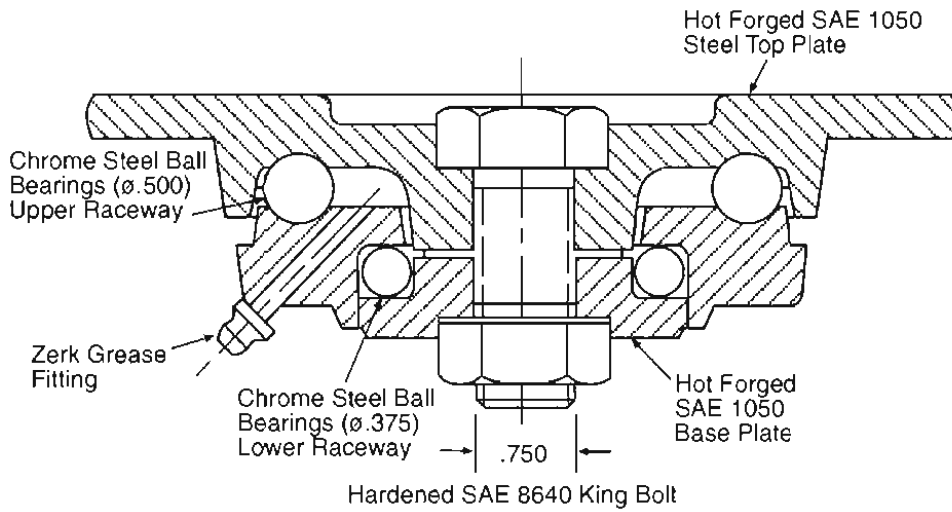
PAGE 110



Load Capacity 3,000 lbs.

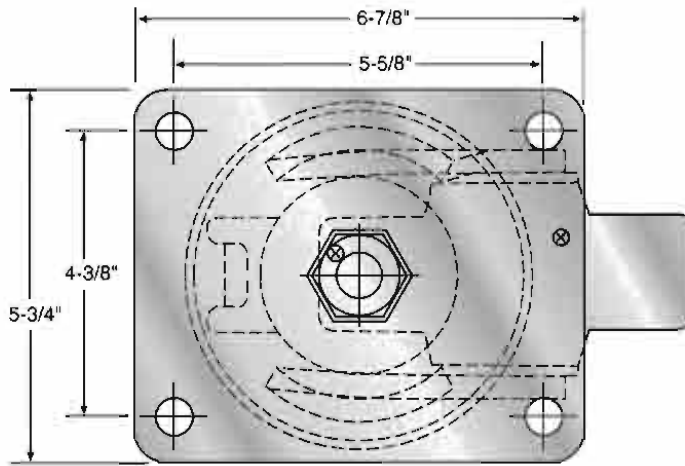
Quality Features

**SWIVEL BEARING RACEWAY
R695 SERIES**



**Forged
Steel Body
Dolly Caster**

TOP PLATE



Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
5 ³ / ₄	1 ³ / ₄	3000	DROP FORGED STEEL	ROLLER TAPERED ROLLER	SC-695-C SC-695-CZ SC-695-D	N/A N/A N/A	21	7-5/8	4-5/8

Members of:

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Inflight
Food Service Association

WORLDWIDE D-I-Y COUNCIL

icm
INSTITUTE OF CASTER MANUFACTURERS

UL
UNDERWRITERS LABORATORY

MACROM
SWIVEL BEARING RACEWAY R695 SERIES

Hot Forged SAE 1050 Steel Top Plate

R650

SERIES

Heavy Duty
Forged Steel

Replacement for
D-600 series

SWIVEL



RIGID



Load Capacity: 540 to 3,300 lbs.

Quality Features

- INTEGRALLY FORGED KING PIN.**
 Solid 1" king pin is integrally forged with upper raceway using SAE-1050 quality grade steel. Used with a slotted nut to allow for proper bearing adjustment whenever necessary. Designed to be virtually indestructible!
- HOT FORGED STEEL CONSTRUCTION.**
 Top plate, yoke base and bearing retainer are hot forged using SAE-1050 hardening quality steel. Raceways are precision machined for 1/2" hardened chrome steel load bearings and tapered thrust bearing.
- FLAME HARDENED SWIVEL RACEWAY.**
 All bearing raceways are flame hardened to extend service life, reduce brinelling from shock loads, and to generally improve swivel performance.
- EMBOSSSED AND WELDED FORK LEGS.**
 Side forks are embossed and continuously welded on both sides for added strength.
- LOCKED WHEEL AXLE.**
 Steel axle bolt is locked in position with indexing lance in side fork to prevent unwanted movement.

The 650 series offered with an industry standard top plate size and mounting bolt pattern, but it delivers above standard performance for strength and durability. Hot forged top plate, yoke base and bearing retainer are made with SAE-1050 steel and features a strong integrally forged king pin with slotted adjusting nut. Raceways are flame hardened for longer life and better performance.

Common applications include:

- Towing Trailers
- Wire and Steel Storage
- Auto Tire Hauling
- Movable Drum Pallets
- Freight and Cargo Handling

Standard mounting plate dimensions make this caster easy to retrofit on existing equipment. Standard finish is industrial blue enamel.

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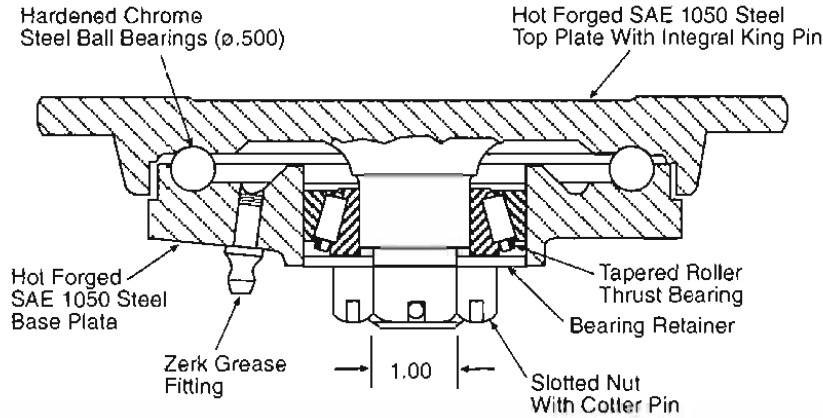
Wheel Selection

CAST IRON HUB	CAST IRON HUB	CAST IRON HUB	PHENOLIC	CAST IRON	ADVANCED ELASTOMER
MOLD-ON RUBBER	MOLD-ON POLYURETHANE	MOLD-ON SOFT POLY			
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Load Capacity: 540 to 3,300 lbs.

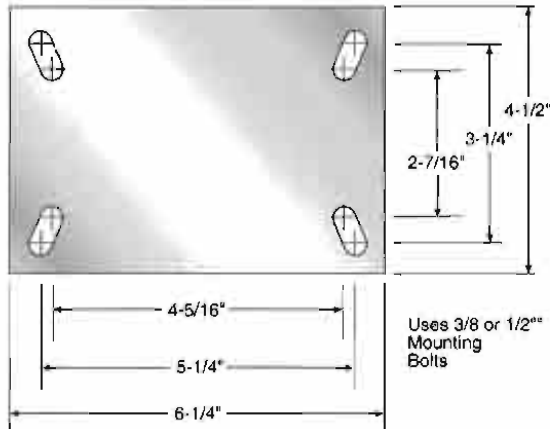
Quality Features

**SWIVEL BEARING RACEWAY
R650 SERIES**



*Heavy Duty
Forged Steel*

TOP PLATE



Uses 3/8 or 1/2" Mounting Bolts

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
6	2	2000	DROP FORGED STEEL	TAPERED ROLLER	SC-651-6-FS	RC-651-6-FS	18	7-3/4	5
					SC-653-6-FS	RC-653-6-FS	18-1/2	8-1/4	4-5/8
	2 1/2	540	MOLD-ON RUBBER	TAPERED ROLLER	SC-652-6-RS	RC-652-6-RS	18-2/5	7-3/4	5
					SC-654-6-RS	RC-654-6-RS	18-9/10	8-1/4	4-5/8
		960	SOFT POLY / CAST IRON HUB	TAPERED ROLLER	SC-652-6-PS8	RC-652-6-PS8	21-1/10	7-3/4	5
					SC-654-6-PS8	RC-654-6-PS8	21-3/5	6-1/4	4-5/8
		1600	ADVANCED ELASTOMER	ROLLER	SC-652-6-TAE	RC-652-6-TAE	21-1/10	7-3/4	5
					SC-654-6-TAE	RC-654-6-TAE	21-3/5	8-1/4	4-5/8
			PHENOLIC	PRECISION BALL	SC-652-6-PXAE	RC-652-6-PXAE	21-1/10	7-3/4	5
					SC-654-6-PXAE	RC-654-6-PXAE	21-3/5	8-1/4	4-5/8
			POLYURETHANE / CAST IRON HUB	TAPERED ROLLER	SC-652-6-PR	RC-652-6-PR	14-1/10	7-3/4	5
					SC-654-6-PR	RC-654-6-PR	14-3/5	8-1/4	4-5/8
	3000	CAST IRON	TAPERED ROLLER	SC-652-6-PS	RC-652-6-PS	21-1/10	7-3/4	5	
				SC-654-6-PS	RC-654-6-PS	21-3/5	8-1/4	4-5/8	
8	2 1/2	670	MOLD-ON RUBBER	TAPERED ROLLER	SC-655-8-RS	RC-655-8-RS	24-1/5	10-1/8	6-1/2
		1800	SOFT POLY / CAST IRON HUB	TAPERED ROLLER	SC-655-8-PS8	RC-655-8-PS8	25-4/5		
		2000	ADVANCED ELASTOMER	ROLLER	SC-655-8-TAE	RC-655-8-TAE	25-4/5		
			PHENOLIC	PRECISION BALL	SC-655-8-PXAE	RC-655-8-PXAE	25-4/5		
		3100	POLYURETHANE / CAST IRON HUB	TAPERED ROLLER	SC-655-8-PR	RC-655-8-PR	18		
			CAST IRON	TAPERED ROLLER	SC-655-8-PS	RC-655-8-PS	25-4/5		
10	2 1/2	790	MOLD-ON RUBBER	TAPERED ROLLER	SC-656-10-RS	RC-656-10-RS	34-4/5	12-1/4	7-1/2
		2000	ADVANCED ELASTOMER	ROLLER	SC-656-10-TAE	RC-656-10-TAE	37-3/10		
			PHENOLIC	PRECISION BALL	SC-656-10-PXAE	RC-656-10-PXAE	37-3/10		
		2160	POLYURETHANE / CAST IRON HUB	TAPERED ROLLER	SC-656-10-PR	RC-656-10-PR	21-1/5		
			SOFT POLY / CAST IRON HUB	TAPERED ROLLER	SC-656-10-PS	RC-656-10-PS	37-3/10		

R650 SERIES

Hardened Chrome Steel Ball Bearings (ø.500)

Hot Forged SAE 1050 Steel Top Plate With Integral King Pin

R100

SERIES

Heavy Duty
Forged Steel

Load Capacity 540 lbs. - 3,500 lbs.

Quality Features

- **INTEGRALLY FORGED KING PIN.**
King pin is integrally forged with upper raceway using SAE-1050 quality grade steel. Used with a slotted nut to allow for proper bearing adjustment whenever necessary. Designed to be virtually indestructible!
- **HOT FORGED STEEL CONSTRUCTION.**
Top plate, yoke base and bearing retainer are hot forged using SAE-1050 hardening quality steel. Raceways are precision machined for 3/8" hardened chrome steel load bearings and tapered thrust bearing.
- **FLAMED HARDENED SWIVEL RACEWAY.**
All bearing raceways are flame hardened to extend service life, reduce brinelling from shock loads, and to generally improve swivel performance.
- **EMBOSSED AND WELDED FORK LEGS.**
Extra-wide side forks are heavily embossed and continuously welded on for added strength.
- **LOCKED WHEEL AXLE.**
Wheel axle is locked in position with indexing lance in side fork to prevent unwanted movement.

This workhorse of heavy-duty casters has what it takes to handle the toughest industrial jobs. Hot forged top plate, yoke base and bearing retainer are made with SAE-1050 steel and feature a strong integrated king pin with slotted adjusting nut. Raceways are flame hardened for longer life and better performance.

Common applications include:

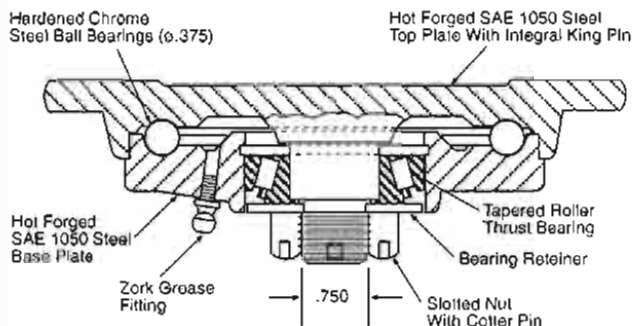
- Heavy Trash Gondolas
- Flat Bed Industrial Trucks
- Steel or Wood Transfer Trucks
- Factory Platform Trucks

Machined parts are turned with precision to exact specifications. Standard finish is Industrial Blue Enamel.

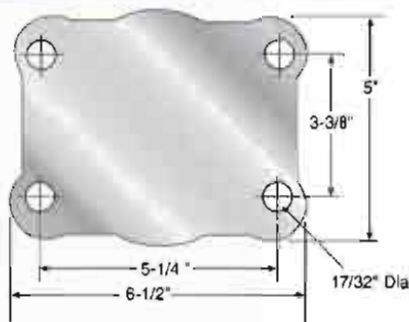
SWIVEL



SWIVEL BEARING RACEWAY R100 SERIES



TOP PLATE



RIGID



Wheel Selection

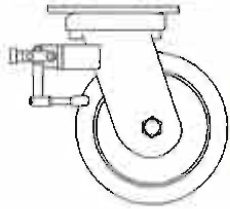
CAST IRON HUB	CAST IRON HUB	CAST IRON HUB	PHENOLIC	CAST IRON	ADVANCED ELASTOMER
MOLD-ON RUBBER	MOLD-ON POLYURETHANE	MOLD-ON SOFT POLY			
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Quality Features

- **INTEGRALLY FORGED KING PIN.**

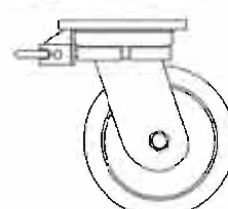
BRAKES

Universal Wheel Brake



The strongest, most positive foot-operated brake available. Once locked, this brake cannot be forced open under any amount of abuse until the foot bar is raised to the unlocked position. Works equally well on hard tread or soft tread wheels. Is fully adjustable to compensate for wheel wear, and is even effective on wheels with thread guards or tapered roller bearings. All parts, according to their mechanical functions, stresses, strains and wear are heat treated for longer life.

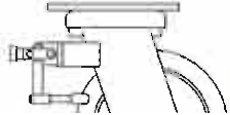
Medium Duty Swivel Lock



This husky, plunger-type swivel lock, with cast malleable iron body can be welded to any of the medium duty casters.

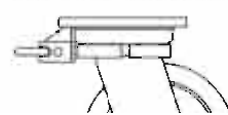
Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx.	Overall Height	Swivel Radius			
							LBS					
5	2 1/2	1800	CAST IRON	TAPERED ROLLER	SC-100-51-CI	RC-100-51-CI	18-7/10	7	5-1/8			
					SC-100-52-CI	RC-100-52-CI	19	7-1/2	4-7/16			
6	2 1/2	540	MOLD-ON RUBBER	TAPERED ROLLER	SC-100-6-RS	RC-100-6-RS	17-2/5	7-1/2	5-5/8			
		960	SOFT POLY / CAST IRON HUB		SC-100-62-RS	RC-100-62-RS	17-3/5	8	4-7/16			
					SC-100-6-PS8	RC-100-6-PS8	19-1/2	7-1/2	5-5/8			
		1600	ADVANCED ELASTOMER		PRECISION BALL	SC-100-62-PS8	RC-100-62-PS8	19-7/10	8	4-7/16		
				SC-100-6-PXAE		RC-100-6-PXAE	19-1/2	7-1/2	5-5/8			
				ROLLER	SC-100-62-PXAE	RC-100-62-PXAE	19-7/10	8	4-7/16			
					SC-100-6-TAE	RC-100-6-TAE	19-1/2	7-1/2	5-5/8			
		3000	CAST IRON	TAPERED ROLLER	SC-100-62-TAE	RC-100-62-TAE	19-7/10	8	4-7/16			
	SC-100-6-PR				RC-100-6-PR	19-9/10	7-1/2	5-5/8				
	SC-100-62-PR				RC-100-62-PR	14-1/5	8	4-7/16				
	SC-100-6-PS				RC-100-6-PS	19-1/2	7-1/2	5-5/8				
	3	680	MOLD-ON RUBBER	TAPERED ROLLER	SC-100-62-PS	RC-100-62-PS	19-7/10	8	4-7/16			
					SC-100-6-CI	RC-100-6-CI	21-1/5	7-1/2	5-5/8			
					SC-100-62-CI	RC-100-62-CI	21-1/2	8	4-7/16			
					SC-100-63-RS	RC-100-63-RS	21-3/5	9-1/2	5-1/2			
	SC-100-63-PS8	RC-100-63-PS8	23-7/10									
SC-100-63-PR	RC-100-63-PR	15-3/5										
SC-100-63-PS	RC-100-63-PS	23-7/10										
8	3	840	MOLD-ON RUBBER*	TAPERED ROLLER	SC-100-7-RS	RC-100-7-RS	29-1/10	10-1/2	6-1/2			
			MOLD-ON RUBBER		SC-100-73-RS	RC-100-73-RS	29-1/2	11-1/2				
		2050	SOFT POLY / CAST IRON HUB*		SC-100-8-RS	RC-100-8-RS	23-7/10	10-1/2				
			SOFT POLY / CAST IRON HUB		SC-100-83-RS	RC-100-83-RS	24-1/5	11-1/2				
		2500	PHENOLIC		TAPERED ROLLER	SC-100-7-PS8	RC-100-7-PS8	31-1/10		10-1/2		
						SC-100-73-PS8	RC-100-73-PS8	30-2/5		11-1/2		
						SC-100-8-PS8	RC-100-8-PS8	26-2/5		10-1/2		
						SC-100-83-PS8	RC-100-83-PS8	25-4/5		11-1/2		
	3200	CAST IRON	TAPERED ROLLER		SC-100-8-PR	RC-100-8-PR	17-1/2	10-1/2				
					SC-100-83-PR	RC-100-83-PR	18	11-1/2				
					SC-100-7-PS	RC-100-7-PS	31-1/10	10-1/2				
					SC-100-73-PS	RC-100-73-PS	30-2/5	11-1/2				
	10	3	1000		MOLD-ON RUBBER	TAPERED ROLLER	SC-100-8-PS	RC-100-8-PS		25-2/5	10-1/2	6-1/2
					MOLD-ON RUBBER*		SC-100-83-PS	RC-100-83-PS		26-4/5	11-1/2	
			2400		SOFT POLY / CAST IRON HUB		SC-100-8-CI	RC-100-8-CI		29-3/10	10-1/2	
					SOFT POLY / CAST IRON HUB*		SC-100-83-CI	RC-100-83-CI		29-4/5	11-1/2	
2600			POLYURETHANE / CAST IRON HUB	TAPERED ROLLER	SC-100-9-RS		RC-100-9-RS	34-7/10	12-1/2			
					SC-100-9-PS8		RC-100-9-PS8	35-1/5	13-1/2			
					SC-100-10-PS8		RC-100-10-PS8	37-1/5	12-1/2			
					SC-100-11-PS8		RC-100-11-PS8	37-1/2	13-1/2			
2900	PHENOLIC	TAPERED ROLLER	SC-100-9-PS	RC-100-9-PS	36-2/5		12-1/2					
			SC-100-93-PS8	RC-100-93-PS8	36-1/2		13-1/2					
			SC-100-10-PS	RC-100-10-PS	37-1/5		12-1/2					
			SC-100-11-PS	RC-100-11-PS	37-1/2		13-1/2					
3400	CAST IRON	TAPERED ROLLER	SC-100-9-PS	RC-100-9-PS	36-2/5		12-1/2					
			SC-100-93-PS	RC-100-93-PS	36-1/2		13-1/2					
			SC-100-10-PR	RC-100-10-PR	21-1/10		12-1/2					
			SC-100-11-PR	RC-100-11-PR	21-3/5		13-1/2					
12	3	1140	MOLD-ON RUBBER	TAPERED ROLLER	SC-100-10-CI	RC-100-10-CI	34-3/5	12-1/2	6-1/2			
			SOFT POLY / CAST IRON HUB		SC-100-11-CI	RC-100-11-CI	35-1/10	13-1/2				
		2760	SOFT POLY / CAST IRON HUB		SC-100-12-RS	RC-100-12-RS	38-9/10	14-1/2		9-1/2		
					SC-100-12-PS8	RC-100-12-PS8	39-7/10					
2760	SOFT POLY / CAST IRON HUB	TAPERED ROLLER	SC-100-12-RS		RC-100-12-RS	38-9/10						
			SC-100-12-PS8		RC-100-12-PS8	39-7/10						

Universal Wheel Brake



The strongest, most positive foot-operated brake available. Once locked, this brake cannot be forced open under any amount of abuse until the foot bar is raised to the unlocked position. Works equally well on hard tread or soft tread wheels. Is fully adjustable to compensate for wheel wear.

Medium Duty Swivel Lock



This husky, plunger-type swivel lock, with cast malleable iron body can be welded to any of the medium duty casters.

R10

SERIES

Heavy Duty
Forged Steel

SWIVEL



The ever-popular R10 series is nearly synonymous with the automotive industry. Hot forged top plate, yoke base and bearing retainer are made with SAE-1050 steel and features a strong integrated king pin with slotted adjusting nut. Raceways are flame hardened for longer life and better performance.

Common applications include:

- Heavy-Duty Parts Trailers
- Door Dollies
- Large Flat Bed Trailers

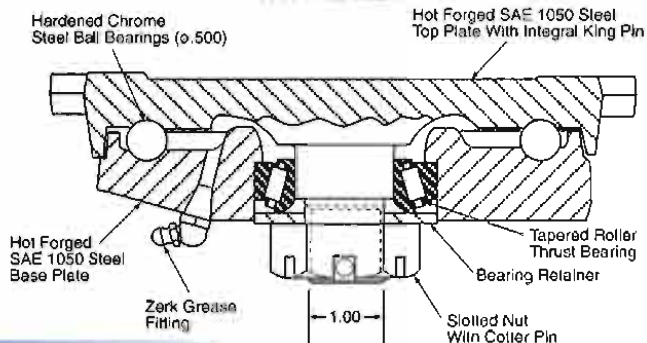
This one of a kind caster is ideal for towing applications and is made to be one of the strongest on the market. Standard finish is Industrial Blue Enamel.

Load Capacity: 680 lbs. - 5,500 lbs.

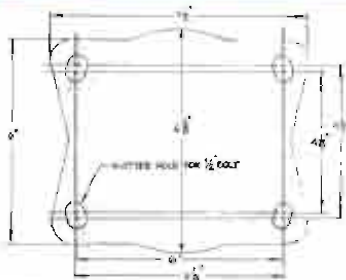
Quality Features

- **INTEGRALLY FORGED KING PIN.**
Large 1" King pin is integrally forged with upper raceway using SAE-1050 quality grade steel. Used with a slotted nut to allow for proper bearing adjustment whenever necessary. Designed to be virtually indestructible!
- **HOT FORGED STEEL CONSTRUCTION.**
Top plate, yoke base and bearing retainer are hot forged using SAE-1050 hardening quality steel. Raceways are precision machined for 1/2" hardened chrome steel load bearings and tapered thrust bearing.
- **FLAMED HARDENED SWIVEL RACEWAY.**
All bearing raceways are flame hardened to extend service life, reduce brinelling from shock loads, and to generally improve swivel performance.
- **FORMED AND WELDED FORK LEGS.**
Extra-wide 3/8" x 4" side forks with formed reinforcing bubble are continuously welded on for added strength.
- **LOCKED WHEEL AXLE.**
Special 3/4" ground steel axle bolt is locked in position with indexing lance in side fork to prevent unwanted movement.

SWIVEL BEARING RACEWAY R10 SERIES



TOP PLATE



RIGID



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Wheel Selection

CAST IRON HUB

MOLD-ON RUBBER

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CAST IRON HUB

MOLD-ON POLYURETHANE

PAGE 100



CAST IRON HUB

MOLD-ON SOFT POLY

PAGE 102



PHENOLIC

PAGE 106



CAST IRON

PAGE 108



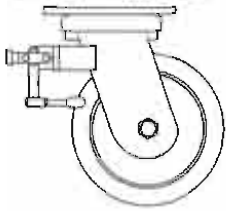
Load Capacity: 680 lbs. - 5,500 lbs.

Quality Features

- **INTEGRALLY FORGED KING PIN.**

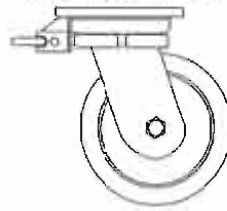
BRAKES

Universal Wheel Brake



The strongest, most positive foot-operated brake available. Once locked, this brake cannot be forced open under any amount of abuse until the foot bar is raised to the unlocked position. Works equally well on hard tread or soft tread wheels. Is fully adjustable to compensate for wheel wear, and is even effective on wheels with thread guards or tapered roller bearings. All parts, according to their mechanical functions, stresses, strains and wear are heat treated for longer life.

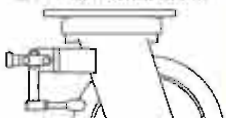
Heavy Duty Swivel Lock



This husky, plunger-type swivel lock, with cast malleable iron body can be welded to any of the heavy-duty casters.

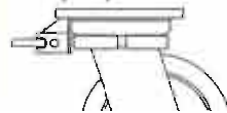
Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
6	3	680	MOLD-ON RUBBER	TAPERED ROLLER	SC-110-63-RS	RC-110-63-RS	31-1/5	9-1/2	5-1/2
		1080	SOFT POLY / CAST IRON HUB		SC-110-63-PS8	RC-110-63-PS8	33-3/10		
		2000	PHENOLIC		SC-110-63-PR	RC-110-63-PR	25-1/5		
			POLYURETHANE / CAST IRON HUB		SC-110-63-PS	RC-110-63-PS	33-3/10		
8	3	840	MOLD-ON RUBBER*	SC-110-7-RS	RC-110-7-RS	39-2/5	10-1/2	6-1/2	
			MOLD-ON RUBBER	SC-110-73-RS	RC-110-73-RS	40	11-1/2		
			SOFT POLY / CAST IRON HUB*	SC-110-8-RS	RC-110-8-RS	34	10-1/2		
			SOFT POLY / CAST IRON HUB	SC-110-83-RS	RC-110-83-RS	34-7/10	11-1/2		
		2050	SOFT POLY / CAST IRON HUB*	SC-110-7-PS8	RC-110-7-PS8	41-2/5	10-1/2		
			SOFT POLY / CAST IRON HUB	SC-110-73-PS8	RC-100-73-PS8	41-9/10	11-1/2		
			PHENOLIC	SC-110-8-PS8	RC-110-8-PS8	35-7/10	10-1/2		
			POLYURETHANE / CAST IRON HUB*	SC-110-83-PS8	RC-110-83-PS8	36-3/10	11-1/2		
			POLYURETHANE / CAST IRON HUB	SC-110-8-PR	RC-110-8-PR	28-4/5	10-1/2		
			POLYURETHANE / CAST IRON HUB	SC-110-83-PR	RC-110-83-PR	28-1/2	11-1/2		
		2500	POLYURETHANE / CAST IRON HUB*	SC-110-7-PS	RC-110-7-PS	41-2/5	10-1/2		
			POLYURETHANE / CAST IRON HUB	SC-110-73-PS	RC-100-73-PS	41-9/10	11-1/2		
			POLYURETHANE / CAST IRON HUB	SC-110-8-PS	RC-110-8-PS	35-7/10	10-1/2		
			POLYURETHANE / CAST IRON HUB	SC-110-83-PS	RC-110-83-PS	36-3/10	11-1/2		
DROP FORGED STEEL	SC-110-8-FS		RC-110-8-FS	39-4/5	10-1/2				
DROP FORGED STEEL	SC-110-83-FS		RC-110-83-FS	40-1/2	11-1/2				
DROP FORGED STEEL	SC-110-10-RS		RC-110-10-RS	45-1/5	12-1/2				
DROP FORGED STEEL	SC-110-11-RS		RC-110-11-RS	46-3/5	13-1/2				
10	3	1000	MOLD-ON RUBBER	SC-110-111-RS	RC-110-111-RS	48-1/10	14-1/2	8-1/2	
			MOLD-ON RUBBER*	SC-110-9-RS	RC-110-9-RS	45-1/5	12-1/2	7-1/2	
			MOLD-ON RUBBER*	SC-110-93-RS	RC-110-93-RS	46-3/5	13-1/2	8-1/2	
			MOLD-ON RUBBER*	SC-110-94-RS	RC-110-94-RS	48-1/10	14-1/2	8-1/2	
			MOLD-ON RUBBER*	SC-110-10-PS8	RC-110-10-PS8	47-7/10	12-1/2	7-1/2	
			MOLD-ON RUBBER*	SC-110-11-PS8	RC-110-11-PS8	48-3/10	13-1/2	8-1/2	
		2400	SOFT POLY / CAST IRON HUB	SC-110-111-PS8	RC-110-111-PS8	50-2/5	14-1/2	8-1/2	
			SOFT POLY / CAST IRON HUB*	SC-110-9-PS8	RC-110-9-PS8	46-9/10	12-1/2	7-1/2	
			SOFT POLY / CAST IRON HUB*	SC-110-93-PS8	RC-110-93-PS8	47-8/10	13-1/2	8-1/2	
			SOFT POLY / CAST IRON HUB*	SC-110-94-PS8	RC-110-94-PS8	49-2/5	14-1/2	8-1/2	
			SOFT POLY / CAST IRON HUB*	SC-110-10-PS	RC-110-10-PS	47-7/10	12-1/2	7-1/2	
			SOFT POLY / CAST IRON HUB*	SC-110-11-PS	RC-110-11-PS	48-3/10	13-1/2	8-1/2	
		2600	POLYURETHANE / CAST IRON HUB	SC-110-111-PS	RC-110-111-PS	50-2/5	14-1/2	8-1/2	
			POLYURETHANE / CAST IRON HUB	SC-110-9-PS	RC-110-9-PS	46-9/10	12-1/2	7-1/2	
			POLYURETHANE / CAST IRON HUB	SC-110-93-PS	RC-110-93-PS	47-9/10	13-1/2	8-1/2	
			POLYURETHANE / CAST IRON HUB*	SC-110-94-PS	RC-110-94-PS	49-2/5	14-1/2	8-1/2	
			POLYURETHANE / CAST IRON HUB*	SC-110-10-PR	RC-110-10-PR	31-3/5	12-1/2	7-1/2	
			POLYURETHANE / CAST IRON HUB*	SC-110-11-PR	RC-110-11-PR	33	13-1/2	8-1/2	
2900	PHENOLIC	SC-110-111-PR	RC-110-111-PR	34-1/2	14-1/2	8-1/2			
	PHENOLIC	SC-110-104-RS	RC-110-104-RS	50-9/10	12-1/2	8-1/2			
	PHENOLIC	SC-110-104-PS8	RC-110-104-PS8	34-4/5	12-1/2	8-1/2			
	PHENOLIC	SC-110-104-PS	RC-110-104-PS	34-4/5	12-1/2	8-1/2			
	PHENOLIC	SC-110-112-RS	RC-110-112-RS	48-7/10	15-1/2	9-1/2			
	PHENOLIC	SC-110-12-RS	RC-110-12-RS	48-3/10	14-1/2	9-1/2			
12	3	1140	MOLD-ON RUBBER	SC-110-112-PS8	RC-110-112-PS8	50-1/5	15-1/2	9-1/2	
			MOLD-ON RUBBER	SC-110-12-PS8	RC-110-12-PS8	48-4/5	14-1/2		
		2760	SOFT POLY / CAST IRON HUB	SC-110-112-PR	RC-110-112-PR	37-3/5	15-1/2		
			SOFT POLY / CAST IRON HUB	SC-110-12-PR	RC-110-12-PR	36-1/5	14-1/2		
		3500	PHENOLIC	SC-110-112-PS	RC-110-112-PS	50-1/5	15-1/2		
			PHENOLIC	SC-110-12-PS	RC-110-12-PS	50-1/5	15-1/2		

Universal Wheel Brake



The strongest, most positive foot-operated brake available. Once locked, this brake cannot be forced open under any amount of abuse until the foot bar is raised to the unlocked position. Works equally well on hard tread or soft tread wheels. Is fully adjustable to compensate for wheel wear.

Heavy Duty Swivel Lock



This husky, plunger-type swivel lock, with cast malleable iron body can be welded to any of the heavy-duty casters.

R120

SERIES

Extra-Heavy Duty Forged Steel

Load Capacity: 1,000 lbs. - 8,000 lbs.

Quality Features

- INTEGRALLY FORGED KING PIN.**
 Large 1-1/4" King pin is integrally forged with upper raceway using SAE-1050 quality grade steel. Used with a slotted nut to allow for proper bearing adjustment whenever necessary. Designed to be virtually indestructible!
- HOT FORGED STEEL CONSTRUCTION.**
 Top plate, yoke base and bearing retainer are hot forged using SAE-1050 hardening quality steel. Raceways are precision machined for 5/8" hardened chrome steel load bearings and tapered thrust bearing.
- FLAMED HARDENED SWIVEL RACEWAY.**
 All bearing raceways are flame hardened to extend service life, reduce brinelling from shock loads, and to generally improve swivel performance.
- FORMED AND WELDED FORK LEGS.**
 Extra-wide 3/8" x 5" side forks with formed reinforcing bubble are continuously welded for added strength.
- LOCKED WHEEL AXLE.**
 Special 1-1/4" diameter ground steel axle bolt is locked in position with indexing lance in side fork to prevent unwanted movement.

SWIVEL



RIGID



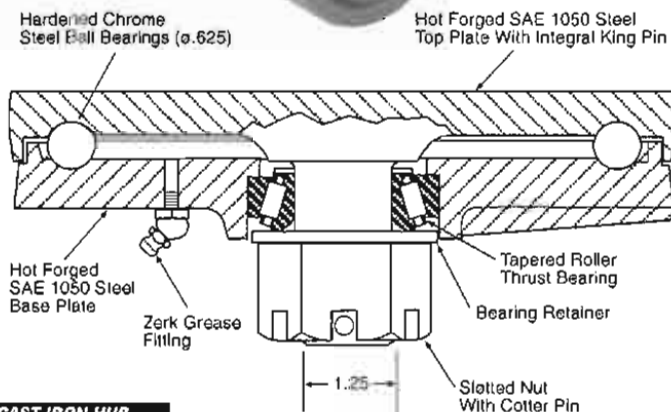
Rankes as one of the heaviest, toughest single wheel casters on earth. Hot forged 8-1/2" square top plate, sectioned yoke base, and bottom bearing retainer are made with SAE-1050 steel and features a strong integrated king pin with slotted adjusting nut. Raceways are flame hardened for longer life and better performance.

Common applications include:

- Heavy Auto Frame Racks
- Extra-Heavy Service Dollies
- Truck and Tractor Tire Hauling
- Extra-Heavy Duty Towing Trailers

This exceptional extra-heavy duty caster is made to master any load. Standard finish is Industrial Blue Enamel.

SWIVEL BEARING RACEWAY R120 SERIES



66



Wheel Selection

CAST IRON HUB

MOLD-ON RUBBER

PAGE 92



CAST IRON HUB

MOLD-ON POLYURETHANE

PAGE 100



CAST IRON HUB

MOLD-ON SOFT POLY

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PHENOLIC

PAGE 106



CAST IRON

PAGE 108



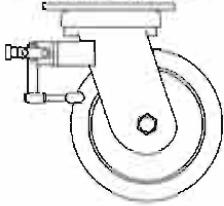
Load Capacity: 1,000 lbs. - 8,000 lbs.

Quality Features

- INTEGRALLY FORGED KING PIN.

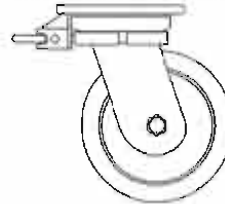
BRAKES

Universal Wheel Brake



The strongest, most positive foot-operated brake available. Once locked, this brake cannot be forced open under any amount of abuse until the foot bar is raised to the unlocked position. Works equally well on hard tread or soft tread wheels. Is fully adjustable to compensate for wheel wear, and is even effective on wheels with tread guards or tapered roller bearings. All parts, according to their mechanical functions, stresses, strains and wear are heat treated for longer life.

Heavy Duty Swivel Lock

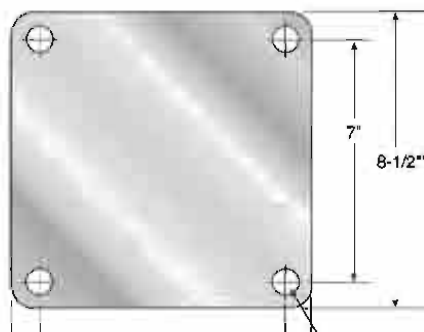


This husky, plunger-type swivel lock, with cast malleable iron body can be welded to any of the heavy-duty casters.

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
7	3	15,000	CAST STEEL	TAPERED ROLLER	SC-120-7-CS†	RC-120-7-CS†	80	11-1/2	7
8	3	2500	PHENOLIC	TAPERED ROLLER	SC-120-8-PR	RC-120-8-PR	46	12	7-1/2
		6000	CAST IRON		SC-120-8-HDCI	RC-120-8-HDCI	66		
		10,000	DROP FORGED STEEL		SC-120-8-FS†	RC-120-8-FS†			
	4	4000	CAST IRON		SC-126-8-CI*	RC-126-8-CI*	64	13	
10	3	1000	MOLD-ON RUBBER	TAPERED ROLLER	SC-120-10-RS	RC-120-10-RS	65	13	8-1/2
		2400	SOFT POLY / CAST IRON HUB		SC-120-10-PS8	RC-120-10-PS8	65		
		2900	PHENOLIC		SC-120-10-PR	RC-120-10-PR	49		
		3000	POLYURETHANE / CAST IRON HUB		SC-120-10-PS	RC-120-10-PS	65		
		6000	CAST IRON		SC-120-10-HDCI	RC-120-10-HDCI	75		
	4	1400	MOLD-ON RUBBER		SC-126-10-RS	RC-126-10-RS	68	14	
		2600	CAST IRON		SC-130-10-RS	RC-130-10-RS	70	13	
		3120	SOFT POLY / CAST IRON HUB		SC-126-10-CI*	RC-126-10-CI*	74	14	
		4200	POLYURETHANE / CAST IRON HUB		SC-126-10-PS8	RC-126-10-PS8	68	14	
		5000	CAST IRON		SC-13-10-PS8	RC-13-10-PS8	70	13	
						SC-126-10-PS	RC-126-10-PS	68	
				SC-13-10-PS	RC-13-10-PS	70			
				SC-130-10-CI	RC-130-10-CI	76			
11	5	1800	MOLD-ON RUBBER	TAPERED ROLLER	N/A	RC-127-11-RS	—	13	—
		4080	SOFT POLY / CAST IRON HUB		N/A	RC-127-11-PS8			
		4500	POLYURETHANE / CAST IRON HUB		N/A	RC-127-11-PS			
12	3 1/2	4000	PHENOLIC	TAPERED ROLLER	SC-130-12-PR	RC-130-12-PR	56	15	9-1/2
	4	1600	MOLD-ON RUBBER		SC-130-12-RS	RC-130-12-RS	75		
		3600	SOFT POLY / CAST IRON HUB		SC-130-12-PS8	RC-130-12-PS8	74		
		4800	POLYURETHANE / CAST IRON HUB		SC-130-12-PS	RC-130-12-PS			
		8000	PHENOLIC		SC-130-12-PR	RC-130-12-PR	62		

All single wheel loads are based on 3 mph for less than 10 minutes continuous running.
 *Tread "as cast" wheel has slight crown.
 †Load capacity based upon 10 "rated life of 1500 hrs. at 1 mph"

TOP PLATE



BRAKES

Universal Wheel Brake

The strongest, most positive foot-operated brake

Heavy Duty Swivel Lock

This husky, plunger-type swivel lock, with cast

WORKSTAND

4500 SERIES

Extra-Heavy Duty Workstand

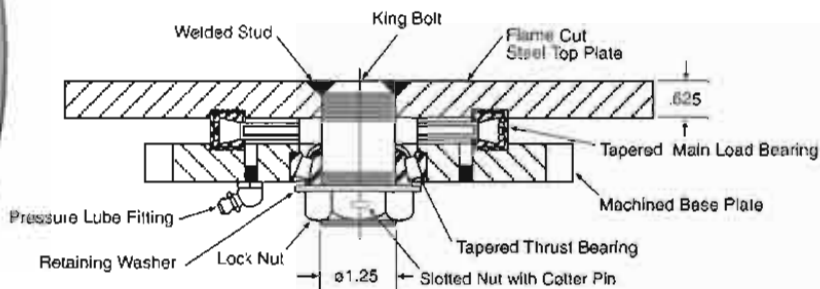
Load Capacity: 10,000 lbs.

Quality Features

Typically used in the aviation and aerospace industry on heavy-duty workstands for aircraft maintenance or assembly. Features include a precisely machined swivel raceway, special extra-heavy duty tapered swivel bearings for both upper main load bearing and lower thrust bearing, plus an extra-strong 1-1/4" welded stud and king bolt. The best choice for a single wheel, non-spring loaded caster for aviation workstands and equipment. Standard finish is Laguna Blue.



SWIVEL BEARING RACEWAY
4500 SERIES

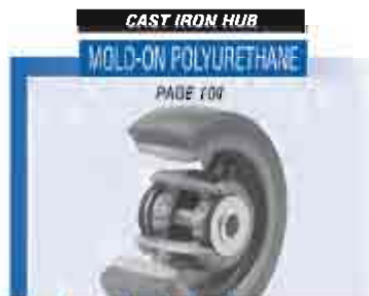


Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
16	5	10,000	POLYURETHANE / CAST IRON HUB	TAPERED ROLLER	4516-YADI-M-CI-WB-SL	N/A	180	20	12
18	5	10,000	POLYURETHANE / CAST IRON HUB	TAPERED ROLLER	4518-YADI-M-CI-WB-SL	N/A	200	22	13-1/2

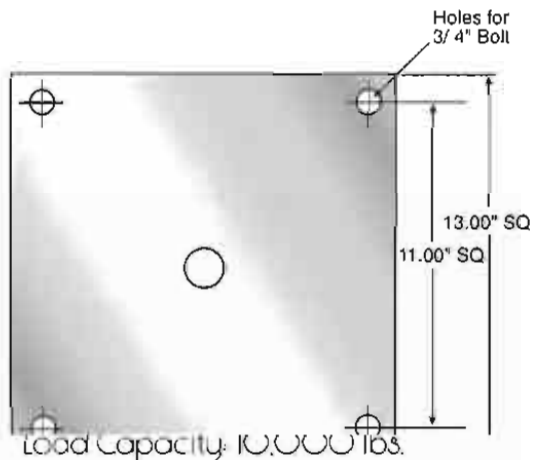
All single wheel loads are based on 3 mph for less than 10 minutes continuous running.

WHEEL SELECTION, TOP PLATE AND BRAKES FOR 4500 & 5200 SERIES.

Wheel Selection



TOP PLATE



Load Capacity,
15,000 to 20,000lbs.

Quality Features

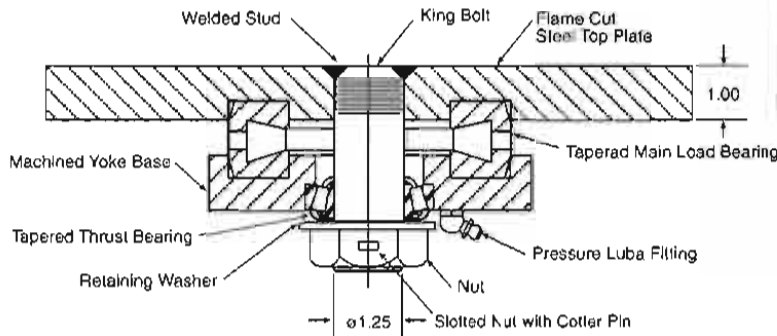
For aviation and aerospace workstands that require the highest load capacity and receive the most severe handling. A combination of better load distribution and the differential action of the twin wheel offers higher load capacity and requires less effort to change the direction of the swivel. Heavy supporting center leg and side forks are flame cut from thick plate steel and continuously welded on both sides for added strength and durability. Super heavy-duty tapered bearings support the main load bearing and lower thrust bearing of the swivel raceway. Standard finish is Laguna Blue.

5200 SERIES

Super-Heavy Duty Workstand



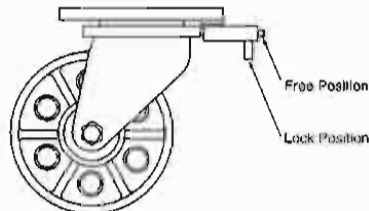
**SWIVEL BEARING RACEWAY
5200 SERIES**



Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
16	5	15,000	POLYURETHANE / CAST IRON HUB	TAPERED ROLLER	5216-YADI-M-CI-WE-SL	N/A	250	20	12
18	5	20,000	POLYURETHANE / CAST IRON HUB	TAPERED ROLLER	5218-YADI-M-CI-WE-SL	N/A	280	22	13-1/2

All single wheel loads are based on 3 mph for less than 10 minutes continuous running.

BRAKES

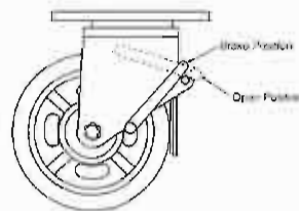


Four Position Swivel Lock

A horizontal four position swivel lock with a spring-loaded plunger to securely hold the swivel in the slotted position desired. Plunger can be put into a neutral position for free swiveling action.

15,000 to 20,000lbs.

Quality Features



Heavy Duty Wheel Brake (WB)

This wheel brake was especially designed for heavy equipment that must be made firmly immobile. The overall height of this caster with the brake applied or released remains the same, even when used with



DUAL WHEEL

R100, R110, R120 SERIES

Heavy Duty Dual Wheel

Load Capacity: 820 to 9,600 lbs.

Quality Features

- INTEGRALLY FORGED KING PIN.**
 Solid king pin is integrally forged with upper raceway using SAE-1050 quality grade steel. Used with a slotted nut to allow for proper bearing adjustment whenever necessary. Designed to be virtually indestructible!
- HOT FORGED STEEL CONSTRUCTION**
 Top plate, yoke base and bearing retainer are hot forged using SAE-1050 hardening quality steel. Raceways are precision machined for 5/8" hardened chrome steel load bearings and tapered thrust bearing.
- FLAME HARDENED SWIVEL RACEWAY.**
 All bearing raceways are flame hardened to extend service life, reduce brinelling from shock loads, and to generally improve swivel performance.

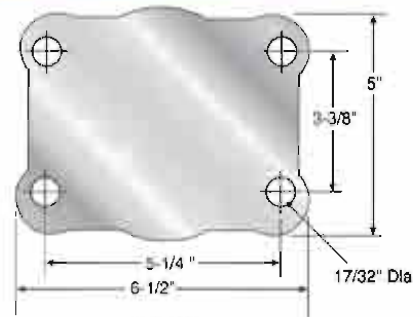
Designed for improved stability and greater load capacity while minimizing overall height.

Due to better load distribution and the "differential action" of the dual wheels, less effort is required to change directions of the swivel.

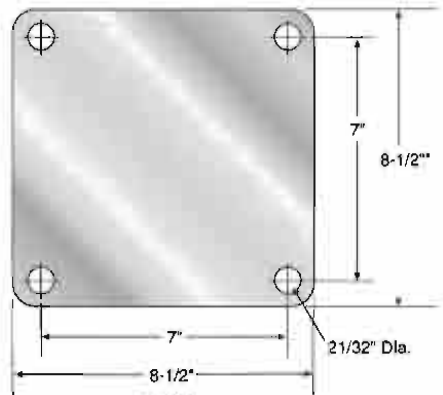
Known for their dependability, durability, and longevity, these workhorses of the industry will provide many years of steady, trouble-free performance. Standard finish is industrial blue enamel.



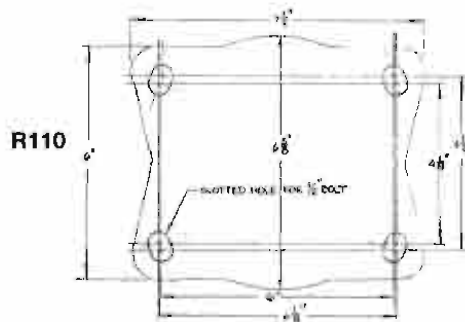
TOP PLATES



R100



R120



R110

70



DARNELL-ROSE
EST. 1954

Wheel Selection

CAST IRON HUB

MOLD-ON RUBBER

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CAST IRON HUB

MOLD-ON POLYURETHANE

PAGE 100



CAST IRON HUB

MOLD-ON SOFT POLY

PAGE 102



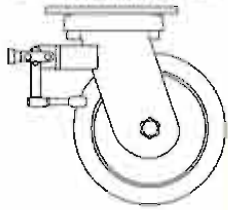
CAST IRON

PAGE 108



Quality Features

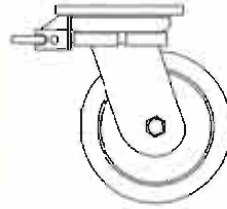
Universal Wheel Brake



Universal Wheel Brake

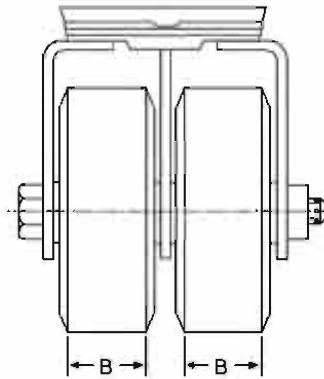
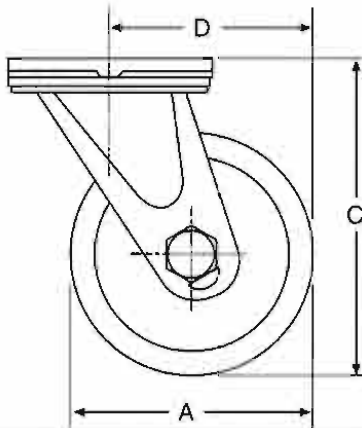
The strongest, most positive foot-operated caster available. Once locked, this brake cannot be forced open under any amount of abuse until the foot bar is raised to the unlocked position. Works equally well on hard tread or soft tread wheels. Is fully adjustable to compensate for wheel wear, and is even effective on wheels with thread guards or tapered roller bearings. All parts, according to their mechanical functions, stresses, strains and wear are heat treated for longer life.

Heavy Duty Swivel Lock



Heavy Duty Swivel Lock

This husky, plunger-type swivel lock, with cast malleable iron body can be welded to any of the heavy-duty casters.



Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
		LBS					LBS		
6	2	600	SOFT POLY / CAST IRON HUB	TAPERED ROLLER	TSC-102-6-PS8	TRC-102-6-PS8	25	8-1/2	5-1/2
		820	MOLD-ON RUBBER		TSC-102-6-RS	TRC-102-6-RS			
		2500	POLYURETHANE / CAST IRON HUB		TSC-102-6-PS	TRC-102-6-PS			
	2 1/2	960	SOFT POLY / CAST IRON HUB		TSC-100-6-PS8	TRC-100-6-PS8	30	8	5-1/4
		1800	MOLD-ON RUBBER		TSC-101-6-PS8	TRC-101-6-PS8	29		
		3000	POLYURETHANE / CAST IRON HUB		TSC-100-6-RS	TRC-100-6-RS	29		
					TSC-101-6-RS	TRC-101-6-RS	28		
					TSC-100-6-PS	TRC-100-6-PS	30		
			TSC-101-6-PS	TRC-101-6-PS	29	8	5-1/4		
8	3	1600	MOLD-ON RUBBER	TAPERED ROLLER	TSC-110-8-RS	TRC-110-8-RS	51	11	6-1/2
		1700	MOLD-ON RUBBER		TSC-120-8-RS	TRC-120-8-RS	68		
		2050	SOFT POLY / CAST IRON HUB		TSC-110-8-PS8	TRC-110-8-PS8	52		
		4000	POLYURETHANE / CAST IRON HUB		TSC-110-8-PS	TRC-110-8-PS			
		2050	SOFT POLY / CAST IRON HUB		TSC-120-8-PS8	TRC-120-8-PS8	69		
		5000	POLYURETHANE / CAST IRON HUB		TSC-120-8-PS	TRC-120-8-PS			
10	2 1/2	1600	MOLD-ON RUBBER	TAPERED ROLLER	TSC-122-10-RS	TRC-122-10-RS	66	13	7-1/2
		2160	SOFT POLY / CAST IRON HUB		TSC-122-10-PS8	TRC-122-10-PS8	67		
		5000	POLYURETHANE / CAST IRON HUB		TSC-122-10-PS	TRC-122-10-PS			
	3	2000	MOLD-ON RUBBER		TSC-110-10-RS	TRC-110-10-RS	74	12-1/2	8
		2400	SOFT POLY / CAST IRON HUB		TSC-120-10-RS	TRC-120-10-RS	95	13	
		5000	POLYURETHANE / CAST IRON HUB		TSC-110-10-PS8	TRC-110-10-PS8	75	12-1/2	
		2400	SOFT POLY / CAST IRON HUB		TSC-110-10-PS	TRC-110-10-PS			
		6000	POLYURETHANE / CAST IRON HUB		TSC-120-10-PS8	TRC-120-10-PS8	96	8	
		2800	MOLD-ON RUBBER		TSC-120-10-PS	TRC-120-10-PS			
		3120	SOFT POLY / CAST IRON HUB		TSC-126-10-RS	TRC-126-10-RS			
		8400	POLYURETHANE / CAST IRON HUB		TSC-126-10-PS8	TRC-126-10-PS8	101		
					TSC-126-10-PS	TRC-126-10-PS			
11	5	3600	MOLD-ON RUBBER	TAPERED ROLLER	TSC-130-11-RS	TRC-130-11-RS	123	14-1/2	9
		4080	SOFT POLY / CAST IRON HUB		TSC-130-11-PS8	TRC-130-11-PS8	124		
		9000	POLYURETHANE / CAST IRON HUB		TSC-130-11-PS	TRC-130-11-PS			
12	4	3200	MOLD-ON RUBBER	TAPERED ROLLER	TSC-130-12-RS	TRC-130-12-RS	114	15-1/2	9-1/2
		3600	SOFT POLY / CAST IRON HUB		TSC-130-12-PS8	TRC-130-12-PS8			

Universal Wheel Brake



Universal Wheel Brake

Heavy Duty Swivel Lock



Heavy Duty Swivel Lock

SHOCK ABSORBING

R110 SERIES

Shear Disc
Shock Absorbing

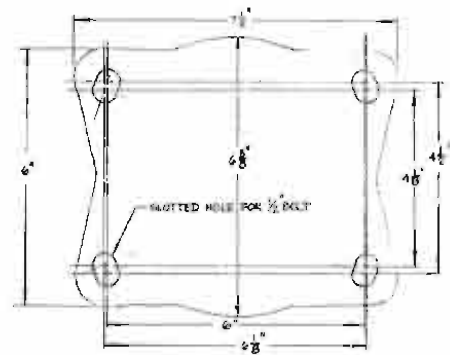


Load Capacity: 640 to 1500 lbs.

Quality Features

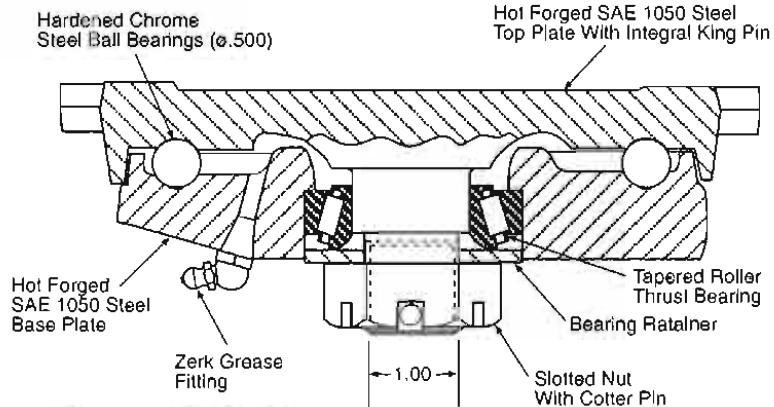
Very popular in automotive tow-line applications, these casters reduce damage to products, rolling equipment, and floors. The nonlinear suspension also makes the work place quieter by cutting vibration generated noise of in-plant trailers by 50% or more. Heavy-duty caster yoke features SAE 1050 forged steel top plate and yoke base with integral king pin and flame hardened raceways. Because the shear disc works within the confines of conventional mounting dimensions, it is much easier to switch over and start saving floors, equipment and bearing.

TOP PLATE



RIGID SHEAR DISC PICTURED ABOVE

SWIVEL BEARING RACEWAY- R110 SERIES



Wheel Selection

CAST IRON HUB

MOLD-ON RUBBER

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CAST IRON HUB

MOLD-ON POLYURETHANE

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CAST IRON HUB

MOLD-ON SOFT POLY

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PHENOLIC

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CAST IRON

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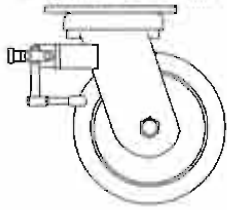


Load Capacity: 640 to 1500 lbs.

Quality Features

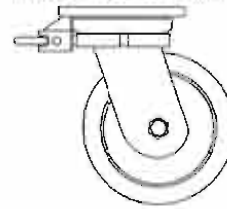
BRAKES

Universal Wheel Brake



The strongest, most positive foot-operated brake available. Once locked, this brake cannot be forced open under any amount of abuse until the foot bar is raised to the unlocked position. Works equally well on hard tread or soft tread wheels. Is fully adjustable to compensate for wheel wear, and is even effective on wheels with thread guards or tapered roller bearings. All parts, according to their mechanical functions, stresses, strains and wear are heat treated for longer life.

Heavy Duty Swivel Lock



This husky, plunger-type swivel lock, with cast malleable iron body can be welded to any of the heavy-duty casters.

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius	
6	3	680	MOLD-ON RUBBER	TAPERED ROLLER	SDC-110-63-RS	RDC-110-63-RS	32-1/10	9-1/2	5-1/2	
		1080	SOFT POLY / CAST IRON HUB		SDC-110-63-PS8	RDC-110-63-PS8	32-1/5			
			CAST IRON		SDC-110-63-CI	RDC-110-63-CI	36-1/10			
		1500	PHENOLIC		SDC-110-63-FR	RDC-110-63-FR	26-1/10			
			POLYURETHANE / CAST IRON HUB	SDC-110-63-PS	RDC-110-63-PS	32-1/5				
8	3	840	MOLD-ON RUBBER*	TAPERED ROLLER	SDC-110-7-RS	RDC-110-7-RS	36-7/10	10-1/2	6-1/2	
			MOLD-ON RUBBER		SDC-110-73-RS	RDC-110-73-RS	37	11-1/2		
		1500	CAST IRON		SDC-110-8-RS	RDC-110-8-RS	37-2/5	11-1/2		
			PHENOLIC		SDC-110-8-CI	RDC-110-8-CI	39	10-1/2		
			POLYURETHANE / CAST IRON HUB		SDC-110-83-CI	RDC-110-83-CI	39-9/10	11-1/2		
					SDC-110-8-PR	RDC-110-8-PR	33	10-1/2		
			SDC-110-83-FR		RDC-110-83-FR	33-3/10	11-1/2			
			SDC-110-7-PS		RDC-110-7-PS	36-9/10	10-1/2			
			SDC-110-73-PS		RDC-110-73-PS	37-1/5	11-1/2			
			SDC-110-8-PS		RDC-110-8-PS	37-1/2	10-1/2			
			SDC-110-83-PS		RDC-110-83-PS	37-1/2	11-1/2			
			SDC-110-7-PS8		RDC-110-7-PS8	36-9/10	10-1/2			
		SDC-110-73-PS8	RDC-110-73-PS8		37-1/5	11-1/2				
		SDC-110-8-PS8	RDC-110-8-PS8		37-1/2	10-1/2				
SDC-110-83-PS8	RDC-110-83-PS8	37-1/2	11-1/2							
10	3	1000	MOLD-ON RUBBER	TAPERED ROLLER	SDC-110-10-RS	RDC-110-10-RS	47-1/2	12-1/2	7-1/2	
			MOLD-ON RUBBER*		SDC-110-11-RS	RDC-110-11-RS	49-1/2	13-1/2	8-1/2	
			1500		CAST IRON	SDC-110-111-RS	RDC-110-111-RS	50-2/5	14-1/2	8-1/2
						SDC-110-9-RS	RDC-110-9-RS	46-1/10	12-1/2	7-1/2
					POLYURETHANE / CAST IRON HUB	SDC-110-93-RS	RDC-110-93-RS	48-3/10	13-1/2	8-1/2
						SDC-110-94-RS	RDC-110-94-RS	48-4/5	14-1/2	8-1/2
		SDC-110-10-CI				RDC-110-10-CI	47-9/10	12-1/2	7-1/2	
		SDC-110-11-CI				RDC-110-11-CI	50	13-1/2	8-1/2	
		2400	PHENOLIC		SDC-110-111-CI	RDC-110-111-CI	50-1/2	14-1/2	8-1/2	
					SDC-110-10-FR	RDC-110-10-FR	34-3/10	12-1/2	7-1/2	
			POLYURETHANE / CAST IRON HUB		SDC-110-11-FR	RDC-110-11-FR	36-2/5	13-1/2	8-1/2	
					SDC-110-111-FR	RDC-110-111-FR	36-9/10	14-1/2	8-1/2	
	SDC-110-10-PS				RDC-110-10-PS	47-4/5	12-1/2	7-1/2		
	SDC-110-11-PS				RDC-110-11-PS	49-3/10	13-1/2	8-1/2		
	4	1500	CAST IRON		SDC-110-111-PS	RDC-110-111-PS	49-4/5	14-1/2	8-1/2	
					SDC-110-9-PS	RDC-110-9-PS	46-3/10	12-1/2	7-1/2	
			POLYURETHANE / CAST IRON HUB		SDC-110-93-PS	RDC-110-93-PS	48-3/5	13-1/2	8-1/2	
					SDC-110-94-PS	RDC-110-94-PS	49-1/10	14-1/2	8-1/2	
					SDC-110-10-PS8	RDC-110-10-PS8	47-4/5	12-1/2	7-1/2	
					SDC-110-11-PS8	RDC-110-11-PS8	49-3/10	13-1/2	8-1/2	
		3120	PHENOLIC		SDC-110-111-PS8	RDC-110-111-PS8	49-4/5	14-1/2	8-1/2	
					SDC-110-9-PS8	RDC-110-9-PS8	46-3/10	12-1/2	7-1/2	
			SOFT POLY / CAST IRON HUB		SDC-110-93-PS8	RDC-110-93-PS8	48-3/5	13-1/2	8-1/2	
					SDC-110-94-PS8	RDC-110-94-PS8	49-1/10	14-1/2	8-1/2	
SDC-110-104-RS				RDC-110-104-RS	52-9/10	12-1/2	8-1/2			
SDC-110-104-CI				RDC-110-104-CI	50-2/5	12-1/2	8-1/2			
SDC-110-104-PS	RDC-110-104-PS	36-9/10	12-1/2	8-1/2						
SDC-110-104-PS8	RDC-110-104-PS8	36-9/10	12-1/2	8-1/2						
12	3	1140	MOLD-ON RUBBER	TAPERED ROLLER	SDC-110-112-RS	RDC-110-112-RS	51-9/10	15-1/2	9-1/2	
			PHENOLIC		SDC-110-12-RS	RDC-110-12-RS	50-1/2	14-1/2		
		1500	POLYURETHANE / CAST IRON HUB		SDC-110-112-FR	RDC-110-112-FR	39-4/5	15-1/2		
					SDC-110-12-FR	RDC-110-12-FR	38-1/2	14-1/2		
			SOFT POLY / CAST IRON HUB		SDC-110-112-PS	RDC-110-112-PS	52-2/5	15-1/2		
					SDC-110-12-PS	RDC-110-12-PS	51	14-1/2		

Universal Wheel Brake



The strongest, most positive foot-operated brake available. Once locked, this brake cannot be forced open under any amount of abuse until the foot bar is raised to the unlocked position. Works equally well on hard tread or soft tread wheels. Is fully adjustable to compensate for wheel wear, and is even effective on wheels with thread guards or tapered roller bearings. All parts, according to their mechanical functions, stresses, strains and wear are heat treated for longer life.

Heavy Duty Swivel Lock



This husky, plunger-type swivel lock, with cast malleable iron body can be welded to any of the heavy-duty casters.

SHOCK ABSORBING

5100 SERIES Extra-Heavy Duty Shock Absorbing

Load Capacity: 6,000 to 10,000 lbs.

Quality Features

Fabricated with a super heavy-duty three-spring system, this is our premium shock-absorbing caster for extremely heavy loads. Upper raceway top plate and base plate are flame cut from 1" thick steel and precisely machined by CNC lathe to very close tolerances and dimensions. Pressure fitting is supplied in base plate for lubrication. Both upper main load bearing and lower thrust bearing utilize heavy-duty tapered roller bearings for maximum mobility under heavy loads and to withstand lateral forces. Extra-large 1-1/4" king bolt is threaded and securely fastened at both ends to ensure a solid fit. The stud is welded to the top plate to prevent loosening, while the nut is tightened to exact specifications. Standard finish is Laguna Blue.

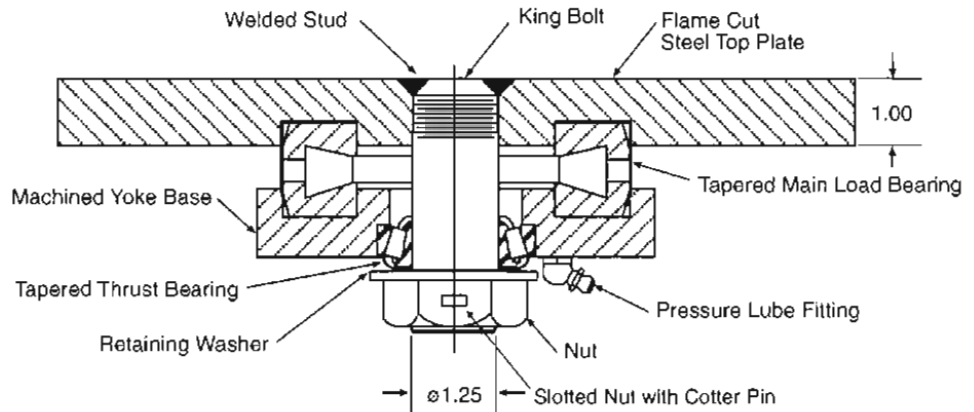


SWIVEL



RIGID

SWIVEL BEARING RACEWAY- 5100 SERIES



Wheel Selection

CAST IRON HUB

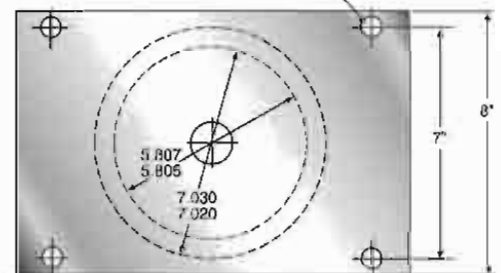
MOLD-ON POLYURETHANE

PAGE 100



TOP PLATE

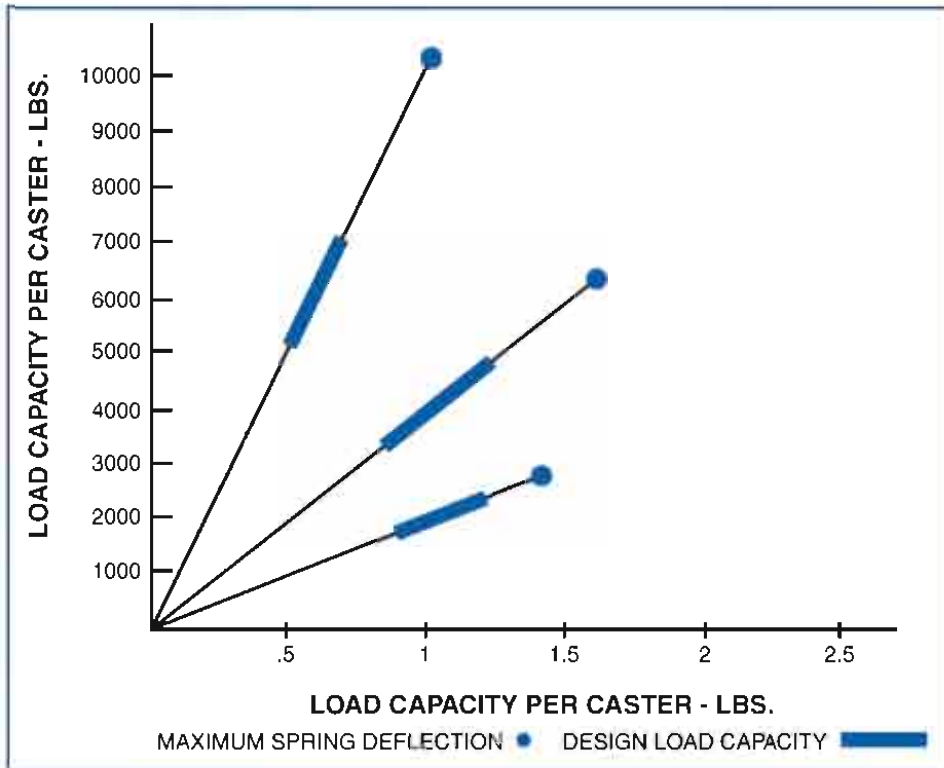
21/32" Holes for 5/8" Bolts (4x)



Load Capacity: 6,000 to 10,000 lbs.

Quality Features



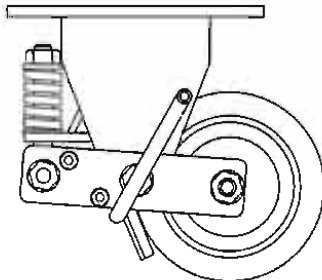


*Extra-Heavy
Duty Shock
Absorbing*

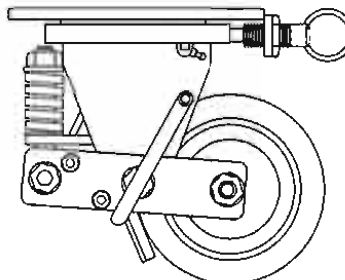


BRAKES

Wheel Brake (WB)



Four Position Swivel Lock & Wheel Brake (SL-WB)



Wheel Brake

Operates by a foot pedal lever that has a rubber brake pad to form a positive brake action when the brake lever is pressed down to engage. To restore back to the normal position, simply reverse the action to disengage the brake. Easy to operate and trouble free.

Four Position Swivel Lock and Wheel Brake

A horizontal four position swivel lock with a spring-loaded plunger to securely hold the swivel in the slotted position desired. Plunger can be put into a neutral position for free swiveling action.

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
10	5	6000	POLYURETHANE / CAST IRON HUB	TAPERED ROLLER	5110-YADI-M-CI-6	5110-YRADI-M-CI-6	127	15-3/4	8-3/4
		7000			5110-YADI-M-CI-7	5110-YRADI-M-CI-7			
		8000			5110-YADI-M-CI-8	5110-YRADI-M-CI-8			
		9000			5110-YADI-M-CI-9	5110-YRADI-M-CI-9			
		10,000			5110-YADI-M-CI-10	5110-YRADI-M-CI-10			



CARTWASH 2000

60 SERIES
80 SERIES

Load Capacity: 200 to 900 lbs.

Quality Features

We've improved the original Darnell Cart Washable design to vastly reduce rusting under wet conditions. Used extensively in hospital laundries and food service areas, the CartWash 2000 reduces maintenance and provides extra life to both caster and equipment. Available in the 60 and 80 series to cover a wide range of sanitary applications found in hospitals, hotels, pharmaceutical labs, clean rooms, meat packing plants and food industries.

• Metal grease cap over lower raceway is epoxy sealed to retain lubrication and reduce contamination.

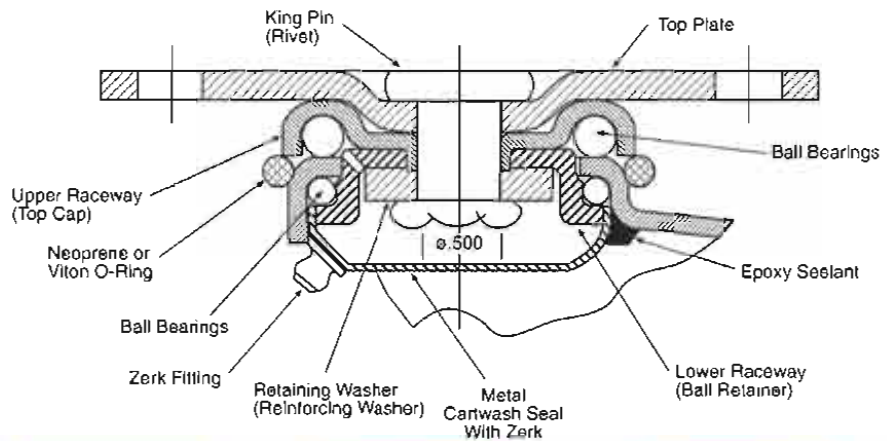
• Zerk fittings in wheel axle and lower grease seal cap.

• Neoprene "O" ring seals upper ball race. Optional O-ring available for high-temperatures.

• Available in Stainless Steel for maximum corrosion protection, or special Yellow Zinc plating for excellent corrosion resistance at minimal cost.



FOUR SIDED DOUBLE BALL BEARING RACEWAY — CARTWASH SERIES



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DARNELL-ROSE

Wheel Selection

ADVANCED ELASTOMER

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NEOPRENE RUBBER

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HI-CAP NEOPRENE

PAGE 86



HARD RUBBER

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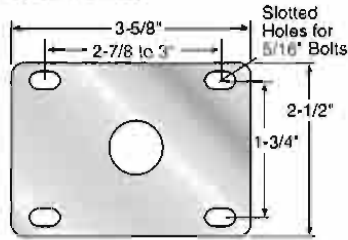


Quality Features

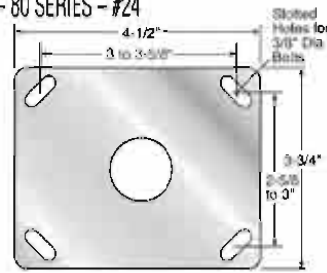
h SERIES

TOP PLATES

STANDARD - 60 SERIES - #20

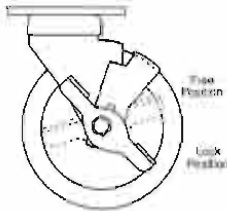


STANDARD - 80 SERIES - #24



BRAKES (60 SERIES)

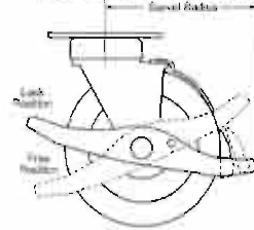
Radial Brake (RB)



Radial Brake

Exceptional brake for light and medium duty applications, either industrial or institutional. Side pedal engages tread lock to restrain wheel movement. Brake kit available for field installation. Available in 3", 3-1/2", 4", and 5". Not Available in 2-1/2" or 6".

Heavy Duty Wheel Brake (WB)

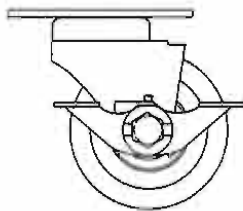


Heavy Duty Wheel Brake

This wheel brake was especially designed for heavy equipment that must be made firmly immobile. The overall height of this caster with the brake applied or released remains the same, even when used with companion casters or a swivel or rigid. Available in 3", 3-1/2", 4", and 5". Not Available in 2-1/2".

BRAKES (80 SERIES)

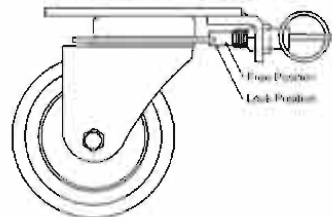
Hub Brake (HB)



Hub Brake

Prevents wheel movement by engaging fork legs against wheel hub when foot pedal is applied in the locked position.

Four Position Swivel Lock (SL)



Four Position Swivel Lock

A horizontal four position swivel lock with a springloaded plunger to securely hold the swivel in the slotted position desired. Plunger can be put into a neutral position for free swiveling action.



POLYOLEFIN

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THERMO PLASTIC RUBBER

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POLYURETHANE

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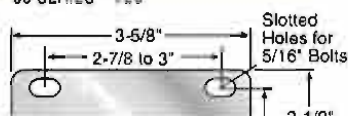


HIGH-TEMPERATURE

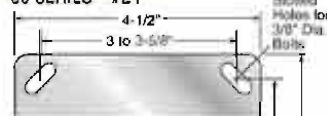
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STANDARD - 60 SERIES - #20



STANDARD - 80 SERIES - #24



CARTWASH 2000

SH DO

60 SERIES

80 SERIES

continued

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius			
		LBS					LBS					
3	1 1/4	200	NEOPRENE RUBBER	ACETAL	63-20-PDN-NCW	63-20-PRDN-NCW	2-1/2	4-5/16	2-3/4			
		250	HI-CAP NEOPRENE	ACETAL	63-20-PKN-NCW	63-20-PRKN-NCW						
	1 3/8	225	THERMO-PLASTIC RUBBER	DELIRIN	63-20-DPD-M-PO-NCW	63-20-DRPD-M-PO-NCW	3-1/4					
		240	POLYOLEFIN	PLAIN	63-20-BPO-NCW	63-20-BRPO-NCW	2-1/2					
		400	POLYURETHANE / POLYOLEFIN HUB	DELIRIN	63-20-DADI-M-PO-NCW	63-20-DRADI-M-PO-NCW	3-1/4					
3 1/2	1 1/4	200	NEOPRENE RUBBER	ACETAL	63 1/2-20-PDN-NCW	63 1/2-20-PRDN-NCW	2-1/2	4-3/4	3			
		250	HI-CAP NEOPRENE	ACETAL	63 1/2-20-PKN-NCW	63 1/2-20-PRKN-NCW						
		400	HARD RUBBER	ACETAL	63 1/2-20-PH-NCW	63 1/2-20-PRH-NCW						
			ADVANCED ELASTOMER	DELIRIN	63 1/2-20-DAE-NCW	63 1/2-20-DRAE-NCW						
	1 3/8	240	THERMO-PLASTIC RUBBER	DELIRIN	63 1/2-20-DPD-M-PO-NCW	63 1/2-20-DRPD-M-PO-NCW	3-1/4					
		265	POLYOLEFIN	PLAIN	63 1/2-20-BPO-NCW	63 1/2-20-BRPO-NCW	2-3/4					
		400	POLYURETHANE / POLYOLEFIN HUB	DELIRIN	63 1/2-20-DADI-M-PO-NCW	63 1/2-20-DRADI-M-PO-NCW	3-3/4					
4	1 1/4	200	NEOPRENE RUBBER	ACETAL	64-20-PDN-NCW	64-20-PRDN-NCW	2-3/4	5-1/4	3-1/4			
		250	HI-CAP NEOPRENE	ACETAL	64-20-PKN-NCW	64-20-PRKN-NCW						
		400	HARD RUBBER	ACETAL	64-20-PH-NCW	64-20-PRH-NCW						
			ADVANCED ELASTOMER	DELIRIN	64-20-DAE-NCW	64-20-DRAE-NCW						
	1 3/8	260	THERMO-PLASTIC RUBBER	DELIRIN	64-20-DPD-M-PO-NCW	64-20-DRPD-M-PO-NCW	3-3/4					
		375	POLYOLEFIN	PLAIN	64-20-BPO-NCW	64-20-BRPO-NCW	2-3/4					
		400	POLYURETHANE / POLYOLEFIN HUB	DELIRIN	64-20-DADI-M-PO-NCW	64-20-DRADI-M-PO-NCW	3-3/4					
	1 7/8	350	NEOPRENE RUBBER	DELIRIN	84-24-DDN-CW	84-24-DRDN-CW	7-1/4			5-15/16	3	
		410	THERMO-PLASTIC RUBBER	DELIRIN	84-24-DPD-M-PO-CW	84-24-DRPD-M-PO-CW						
		2	700	POLYOLEFIN	PLAIN	84-24-BPO-CW						84-24-BRPO-CW
			900	POLYURETHANE / POLYOLEFIN HUB	DELIRIN	84-24-DADI-M-PO-CW						84-24-DRADI-M-PO-CW
5	1 1/4	200	NEOPRENE RUBBER	ACETAL	65-20-PDN-NCW	65-20-PRDN-NCW	3-1/4	6-1/4	4-3/4			
		250	HI-CAP NEOPRENE	ACETAL	65-20-PKN-NCW	65-20-PRKN-NCW						
		400	HARD RUBBER	ACETAL	65-20-PH-NCW	65-20-PRH-NCW						
			ADVANCED ELASTOMER	DELIRIN	65-20-DAE-NCW	65-20-DRAE-NCW						
	1 3/8	275	THERMO-PLASTIC RUBBER	DELIRIN	65-20-DPD-M-PO-NCW	65-20-DRPD-M-PO-NCW	3-3/4					
		400	POLYOLEFIN	PLAIN	65-20-BPO-NCW	65-20-BRPO-NCW	3-1/4					
			POLYURETHANE / POLYOLEFIN HUB	DELIRIN	65-20-DADI-M-PO-NCW	65-20-DRADI-M-PO-NCW	3-3/4					
	1 7/8	350	NEOPRENE RUBBER	DELIRIN	85-24-DDN-CW	85-24-DRDN-CW	7-1/2			6-5/8	4-1/8	
		440	THERMO-PLASTIC RUBBER	DELIRIN	85-24-DPD-M-PO-CW	85-24-DRPD-M-PO-CW						
		2	800	POLYOLEFIN	PLAIN	85-24-BPO-CW						85-24-BRPO-CW
			900	POLYURETHANE / POLYOLEFIN HUB	DELIRIN	85-24-DADI-M-PO-CW						85-24-DRADI-M-PO-CW
6	1 7/8	400	NEOPRENE RUBBER	DELIRIN	86-24-DDN-CW	86-24-DRDN-CW	8	7-1/2	4-5/8			
		440	THERMO-PLASTIC RUBBER	DELIRIN	86-24-DPD-M-PO-CW	86-24-DRPD-M-PO-CW						
	2	850	POLYOLEFIN	PLAIN	86-24-BPO-CW	86-24-BRPO-CW						
		900	POLYURETHANE / POLYOLEFIN HUB	DELIRIN	86-24-DADI-M-PO-CW	86-24-DRADI-M-PO-CW						
			ADVANCED ELASTOMER	DELIRIN	86-24-DAE-CW	86-24-DRAE-CW						
8	1 7/8	410	NEOPRENE RUBBER	DELIRIN	88-24-DDN-CW	88-24-DRDN-CW	10	9-3/4	5-3/4			
		410	THERMO-PLASTIC RUBBER	DELIRIN	88-24-DPD-M-PO-CW	88-24-DRPD-M-PO-CW						
	900	POLYOLEFIN	PLAIN	88-24-BPO-CW	88-24-BRPO-CW							

60 SERIES

Stainless Steel

CartWash 2000: 60 Series

Diameter	Tread Width	Load Capacity	Wheel Material	Bearing	Swivel Part Number	Rigid Part Number	Approx. Weight	Overall Height	Swivel Radius
3	1 1/4	200	NEOPRENE RUBBER	ACETAL	63-20-PDN-SS-NCW	63-20-PRDN-SS-NCW	2-1/2	4-5/16	2-3/4
		250	HI-CAP NEOPRENE	ACETAL	63-20-PKN-SS-NCW	63-20-PRKN-SS-NCW			
		400	HARD RUBBER	ACETAL	63-20-PH-SS-NCW	63-20-PRH-SS-NCW			
			ADVANCED ELASTOMER	DELFIN	63-20-DAE-SS-NCW	63-20-DRAE-SS-NCW			
			HARD RUBBER	ACETAL	63-20-PH-SS-NCW	63-20-PRH-SS-NCW			
	1 3/8	ADVANCED ELASTOMER	DELFIN	63-20-DAE-SS-NCW	63-20-DRAE-SS-NCW				
		225	THERMO-PLASTIC RUBBER	DELFIN	63-20-DPD-M-PO-SS-NCW	63-20-DRPD-M-PO-SS-NCW	3-1/4		
		240	POLYOLEFIN	PLAIN	63-20-BPO-SS-NCW	63-20-BRPO-SS-NCW	2-1/2		
		400	POLYURETHANE / POLYOLEFIN HUB	DELFIN	63-20-DADI-M-PO-SS-NCW	63-20-DRADI-M-PO-SS-NCW	3-1/4		
3 1/2	1 1/4	200	NEOPRENE RUBBER	ACETAL	63 1/2-20-PDN-SS-NCW	63 1/2-20-PRDN-SS-NCW	2-1/2	4-3/4	3
		250	HI-CAP NEOPRENE	ACETAL	63 1/2-20-PKN-SS-NCW	63 1/2-20-PRKN-SS-NCW			
		400	HARD RUBBER	ACETAL	63 1/2-20-PH-SS-NCW	63 1/2-20-PRH-SS-NCW			
		ADVANCED ELASTOMER	DELFIN	63 1/2-20-DAE-SS-NCW	63 1/2-20-DRAE-SS-NCW				
	1 3/8	240	THERMO-PLASTIC RUBBER	DELFIN	63 1/2-20-DPD-M-PO-SS-NCW	63 1/2-20-DRPD-M-PO-SS-NCW	3-1/4		
		265	POLYOLEFIN	PLAIN	63 1/2-20-BPO-SS-NCW	63 1/2-20-BRPO-SS-NCW	2-3/4		
		400	POLYURETHANE / POLYOLEFIN HUB	DELFIN	63 1/2-20-DADI-M-PO-SS-NCW	63 1/2-20-DRADI-M-PO-SS-NCW	3-3/4		
4	1 1/4	200	NEOPRENE RUBBER	ACETAL	64-20-PDN-SS-NCW	64-20-PRDN-SS-NCW	2-3/4	5-1/4	3-1/4
		250	HI-CAP NEOPRENE	ACETAL	64-20-PKN-SS-NCW	64-20-PRKN-SS-NCW			
		400	HARD RUBBER	ACETAL	64-20-PH-SS-NCW	64-20-PRH-SS-NCW			
		ADVANCED ELASTOMER	DELFIN	64-20-DAE-SS-NCW	64-20-DRAE-SS-NCW				
	1 3/8	260	THERMO-PLASTIC RUBBER	DELFIN	64-20-DPD-M-PO-SS-NCW	64-20-DRPD-M-PO-SS-NCW	3-3/4		
		375	POLYOLEFIN	PLAIN	64-20-BPO-SS-NCW	64-20-BRPO-SS-NCW	2-3/4		
		400	POLYURETHANE / POLYOLEFIN HUB	DELFIN	64-20-DADI-M-PO-SS-NCW	64-20-DRADI-M-PO-SS-NCW	3-3/4		
5	1 1/4	200	NEOPRENE RUBBER	ACETAL	65-20-PDN-SS-NCW	65-20-PRDN-SS-NCW	3-1/4	6-1/4	4-3/4
		250	HI-CAP NEOPRENE	ACETAL	65-20-PKN-SS-NCW	65-20-PRKN-SS-NCW			
		400	HARD RUBBER	ACETAL	65-20-PH-SS-NCW	65-20-PRH-SS-NCW			
		ADVANCED ELASTOMER	DELFIN	65-20-DAE-SS-NCW	65-20-DRAE-SS-NCW				
	1 3/8	275	THERMO-PLASTIC RUBBER	DELFIN	65-20-DPD-M-PO-SS-NCW	65-20-DRPD-M-PO-SS-NCW	3-3/4		
		400	POLYOLEFIN	PLAIN	65-20-BPO-SS-NCW	65-20-BRPO-SS-NCW	3-1/4		
		POLYURETHANE / POLYOLEFIN HUB	DELFIN	65-20-DADI-M-PO-SS-NCW	65-20-DRADI-M-PO-SS-NCW	3-3/4			

Material: Non-magnetic 303/304 Stainless

Members of:



NSF
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**MATERIAL HANDLING
INDUSTRY
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Inflight
Food Service
Association



**WORLWIDE
D-I-Y COUNCIL**



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INSTITUTE OF CASTER
MANUFACTURERS



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UNDERWRITERS
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**ISO
9001
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SYSTEM

ADVANCED ELASTOMER



How Darnell-Rose Created the Perfect Caster Wheel

Founded in 1921 as the Perfect Manufacturing Company, Darnell-Rose casters have long been recognized for their superior quality and exceptional performance. This quest for perfection is manifested once again in our new line of **ADVANCED ELASTOMER** wheels. To create the "perfect caster wheel," we spent two years developing a custom compounded urethane elastomer that offers the highest abrasion resistance, maximum impact strength, and lowest rolling resistance. The result is a wheel which is easy to roll under the heaviest loads, and guaranteed to outlast and outperform metal, rubber, plastic, phenolic, and even conventional solid urethane wheels. **AE** wheels resist nearly all chemicals, greases, oils, solvents, fuel oils, and other compounds which attack most molded plastic or common rubber wheels. And since the **AE** wheel is a completely solid elastomer, there is never a possibility of tread separation caused by bond failure between wheel tread and core.

Our unique symmetrical hub design allows the **AE** wheel to withstand severe impact generated by extreme shock loading. It will not chip, crack, or "chunk out" like most polyolefin or phenolic wheels, nor will it "flat spot" under normal loads and temperatures. Good heat and cold resistance allows maximum performance within a wide temperature range. These qualities make the **AE** wheel the "Perfect Caster Wheel" in tough, demanding environments.

AE wheels are offered in the three most popular series Darnell-Rose casters, both in zinc plated steel or corrosion-free stainless steel. Load capacities range from 400 lbs to 1,200 lbs per caster, in sizes from 3-inch to 8-inch wheel diameters, and with four different types of wheel bearings, including maintenance free sealed precision bearings (70 series and A100 series). No other caster offers more choice or selection.

In keeping with tradition, Darnell-Rose has created a perfect match: the original quality of the perfect Darnell-Rose caster, combined with our new Advanced Elastomer wheel—the "perfect way" to keep your equipment rolling under the most demanding conditions.

ELASTOMER PROPERTIES

Hardness	65-68 Shore D
Tensile Strength	5,000 psi
Modulus, 100%	4,000 psi
Compression set (22 hrs, 158°F)	51%
Impact resistance (notched izod)	5.71 ft lbs/in
Split tear, D-470	110 pli
Elongation (% at break point)	250%

How Darnell-Rose Created the Perfect Caster Wheel



Quality Features

- HIGH IMPACT STRENGTH
- EXCELLENT ABRASION RESISTANCE
- GOOD HEAT RESISTANCE AT ELEVATED TEMPERATURE
- EXCELLENT FUEL, OIL, AND CHEMICAL RESISTANCE
- LOW ROLLING RESISTANCE UNDER MAXIMUM LOAD
- NO FLAT SPOTTING UNDER LOAD

Solid AE wheel eliminates tread separation caused by bond failure.

Symmetrical hub is stronger to withstand severe impact from shock loading.

Choice of four wheel bearings, including maintenance free sealed precision bearing (shown at right)

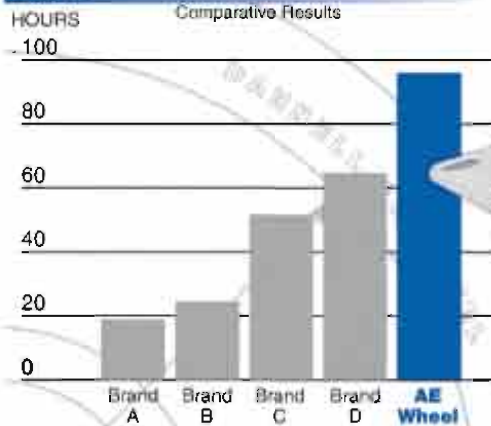
Bearing options:



Custom compounded urethane elastomer rolls easier, lasts longer under loads up to 1,200 lbs per caster.



ENDURANCE TEST



Test procedure: 3 1/2" x 1 1/4" wheel loaded to 400 lbs on a rolling drum tester with 1/4" obstacle bar at 3 mph.



Solid AE wheel eliminates tread separation caused by bond failure.

Symmetrical hub is stronger to

ADVANCED ELASTOMER



Load Capacity: 400 to 1,500 lbs

Quality Features

- Excellent grease, oil, and chemical resistance.
- Very low rolling resistance.
- High impact strength.
- Will not crack or become brittle or sticky.
- Non-staining.

Custom compounded urethane elastomer offers the highest abrasion resistance, maximum impact strength, and lowest possible rolling resistance. Withstands nearly all chemicals, greases, oils, solvents and other compounds. Completely solid elastomer means there is absolutely no chance of wheel tread separation caused by bond failure of tread and core.



Available in Static Dissipative compound (between 10^3 - 10^{10} Ohms surface resistance) for good protection against electrostatic discharge (ESD).

SPECIFICATIONS

TEMPERATURE RANGE:
-50 to +212°F

HARDNESS DUROMETER:
65 Shore D

COLOR:
Non-marking gray.

FLOOR MATERIALS & SURFACE CONDITIONS

Linoleum, Vinyl, Composition	Concrete, Brick, Ceramic Tile	Hardwood, Wood Block, Planking	Asphalt, Rough Surfaces	Carpeted Surfaces	Metal Scraps on Floor	Excessive Heat	Excessive Cold	Harsh Chemicals or Moisture	Electrostatic Discharge
■	■	■	■			■	■	■	■

Bearing Selection

DELRIM



MACHINED BALL



SEALED PRECISION



CAGED ROLLER



ADVANCED ELASTOMER

Quality Features



Diameter	Tread Width	Hub Length	Bearing	Bore, w/ Bearing	Bore, less bearing	Load Capacity	Part Number	Series Used In
2	7/8	63/64	BALL	3/8	29/32	200	W-32-XAE	30
2 1/2	7/8	63/64	BALL	3/8	29/32	200	W-32-1/2-XAE	60
	1 1/4	1 1/2			1-1/8	300	W-62-1/2-XAE	
3	1 1/4	1 1/16	BALL	3/8	1-1/8	400	W-63-XAE	60, 60SS
			DELFIN	3/8	1-1/8	400	W-63-DAE	
	2	2 3/16	BALL	1/2	1-3/16	900	W-83-XAE	80
			DELFIN	1/2	1-3/16	900	W-83-DAE	
			PRECISION BALL	1/2	1-5/8	900	W-83-PXAE	
ROLLER	1/2	1-3/16	900	W-83-TAE				
3 1/2	1 1/4	1 1/16	BALL	3/8	1-1/8	400	W-63 1/2-XAE	60, 60SS
			DELFIN	3/8	1-1/8	400	W-63 1/2-DAE	
4	1 1/4	1 1/16	BALL	3/8	1-1/8	400	W-64-XAE	60, 60SS
			DELFIN	3/8	1-1/8	400	W-64-DAE	
	1 3/8	1 1/4	PRECISION BALL	3/8 - 1/2	1-5/8	600	W-74-PXAE	70
			ROLLER	3/8 - 1/2	1-3/16	600	W-74-TAE	
	2	2 3/16	BALL	1/2	1-3/16	1000	W-104-XAE	A100, A100SS
				1/2	1-3/16	1000	W-84-XAE	20 - 80
			DELFIN	1/2	1-3/16	1000	W-104-DAE	A100, A100SS
				1/2	1-3/16	1000	W-84-DAE	20 - 80
			PRECISION BALL	1/2	1-5/8	1000	W-104-PXAE	A100, A100SS
				1/2	1-5/8	1000	W-84-PXAE	20 - 80
			ROLLER	1/2	1-3/16	1000	W-104-TAE	A100, A100SS
				1/2	1-3/16	1000	W-84-TAE	20 - 80
5	1 1/4	1 1/16	BALL	3/8	1-1/8	400	W-65-XAE	60, 60SS
			DELFIN	3/8	1-1/8	400	W-65-DAE	
	1 3/8	1 1/4	PRECISION BALL	3/8 - 1/2	1-5/8	700	W-75-PXAE	70
			ROLLER	3/8 - 1/2	1-1/16	700	W-75-TAE	
	2	2 3/16	BALL	1/2	1-3/16	1000	W-105-XAE	A100, A100SS
				1/2	1-3/16	1000	W-85-XAE	20 - 80
			DELFIN	1/2	1-3/16	1000	W-105-DAE	A100, A100SS
				1/2	1-3/16	1000	W-85-DAE	20 - 80
			PRECISION BALL	1/2	1-5/8	1000	W-105-PXAE	A100, A100SS
				1/2	1-5/8	1000	W-85-PXAE	20 - 80
ROLLER			1/2	1-3/16	1000	W-105-TAE	A100, A100SS	
			1/2	1-3/16	1000	W-85-TAE	20 - 80	
6	1 3/8	1 1/4	PRECISION BALL	3/8 - 1/2	1-5/8	750	W-76-PXAE	70
			ROLLER	3/8 - 1/2	1-3/16	750	W-76-TAE	
	2	2 3/16	BALL	1/2	1-3/16	1100	W-106-XAE	A100, A100SS
				1/2	1-3/16	1100	W-86-XAE	20 - 80
			DELFIN	1/2	1-3/16	1100	W-106-DAE	A100, A100SS
				1/2	1-3/16	1100	W-86-DAE	20 - 80
			PRECISION BALL	1/2	1-5/8	1100	W-106-PXAE	A100, A100SS
				1/2	1-5/8	1100	W-86-PXAE	20 - 80
			ROLLER	1/2	1-3/16	1100	W-106-TAE	A100, A100SS
				1/2	1-3/16	1100	W-86-TAE	20 - 80
2 1/2	2 3/4	PRECISION BALL	3/4	2-7/16	1500	W-606-PXAE	--	
8	2	2 3/16	BALL	1/2	1-3/16	1200	W-108-XAE	A100, A100SS
				1/2	1-3/16	1200	W-88-XAE	80
			DELFIN	1/2	1-3/16	1200	W-108-DAE	A100, A100SS
				1/2	1-3/16	1200	W-88-DAE	80
			PRECISION BALL	1/2	1-5/8	1200	W-108-PXAE	A100, A100SS
				1/2	1-5/8	1200	W-88-PXAE	80
			ROLLER	1/2	1-3/16	1200	W-108-TAE	A100, A100SS
				1/2	1-3/16	1200	W-88-TAE	80
	2 1/2	2 3/4	PRECISION BALL	3/4	2-7/16	1650	W-608-PXAE	--
2	7/8	63/64	BALL	3/8	29/32	200	W-32-XAE	30

NEOPRENE RUBBER



Load Capacity: 50 to 670 lbs.

Quality Features

- Excellent grease, oil, and chemical resistance.
- Withstands weather and ozone exposure.
- Will not crack or become brittle or sticky.
- Non-staining.

Soft, solid wheel is specially formulated with a premium compound to withstand wear and abrasion while resisting oil, grease, and most chemicals. Soft tread is permanently molded to a hard center core for added strength and higher load capacities. All Neoprene rubber wheels are carefully handcrafted at our factory in City of Industry, California.



Available in Electrically Conductive (less than 10⁹ Ohms surface resistance) for excellent protection against electrostatic discharge (ESD).

SPECIFICATIONS

TEMPERATURE RANGE:
-20° to +180°F

HARDNESS DUROMETER:
78 Shore A

COLOR:
Non-staining black or non-marking gray.

FLOOR MATERIALS & SURFACE CONDITIONS

Linoleum, Vinyl, Composition	Concrete, Brick, Ceramic Tile	Hardwood, Wood Block, Planking	Asphalt, Rough Surfaces	Carpeted Surfaces	Metal Scraps on Floor	Excessive Heat	Excessive Cold	Harsh Chemicals or Moisture	Electrostatic Discharge
■	■	■	■				■	■	■

Bearing Selection

PLAIN ACETAL

MACHINED BALL

ROLLER

TAPERED ROLLER
CUP AND CONE

NEOPRENE RUBBER

Quality Features





NEOPRENE RUBBER

Diameter	Tread Width	Hub Length	Bearing	Bore, w/ Bearing	Bore, less bearing	Load Capacity	Part Number	Series Used In
1 5/8	1 1/16	1 1/16	ACETAL	3/16	—	50	W-1-EZDN	—
		3/4		9/32	—	50	W-2-EZDN	
1 3/4	3/4	7/8	ACETAL	1/4	—	60	W-7-PDN	7
			ROLLER	1/4	—	60	W-7-TDN	
2	3/4	7/8	ACETAL	5/16	—	80	W-9-PDN	9
			BALL	5/16	—	80	W-9-XDN	
	7/8	9/16	BALL	3/8	29/32	90	W-32-XDN	30
			ACETAL	5/16	—	100	W-52-PDN	50, CRV-2.5
BALL	5/16	1-1/8	100	W-52-XDN				
2 1/2	7/8	9/16	BALL	3/8	29/32	95	W-32 1/2-XDN	30
	1	1 1/8	ACETAL	—	7/16	110	W-52 1/2-PDN	50
	1 1/4	1 1/2	ACETAL	1/2	—	200	W-62 1/2-PDN	60, 60SS
BALL			3/8	1-1/8	200	W-62 1/2-XDN	60, 60SS	
3	3/4	7/8	ACETAL	5/16	—	80	W-11-PDN	11
	7/8	1 1/8	ACETAL	7/16	—	110	W-53-PDN	30, 50, 50SS, CR II-3
			BALL	5/16	29/32	110	W-53-XDN	
	1 1/4	1 1/2	ACETAL	1/2	—	200	W-63-PDN	60, 60SS
			BALL	3/8	1-1/8	200	W-63-XDN	
	1 3/8	1 1/2	ACETAL	9/16	—	300	W-73-PDN	70
BALL			3/8	1-1/8	300	W-73-XDN		
ROLLER	5/8	1-1/16	300	W-73-TDN				
3 1/2	1 1/4	1 1/2	ACETAL	1/2	—	200	W-63 1/2-PDN	60, 90, 60SS, 90SS
			BALL	3/8	1-1/8	200	W-63 1/2-XDN	
4	7/8	1 1/8	ACETAL	7/16	—	110	W-54-PDN	30, 50, 50SS
	BALL	5/16	29/32	110	W-54-XDN			
	1 1/4	1 1/2	ACETAL	1/2	—	200	W-64-PDN	80, 90, 60SS, 90SS
			BALL	3/8	1-1/8	200	W-64-XDN	
	1 3/8	1 1/2	ACETAL	9/16	—	300	W-74-PDN	70
ROLLER			5/8	1-1/16	300	W-74-TDN		
1 13/16	2 1/4	ROLLER	5/8	1-3/16	350	W-104-TDN	20, 80, A100	
5	7/8	1 1/8	ACETAL	7/16	—	110	W-55-PDN	30, 50, 50SS
			BALL	5/16	29/32	110	W-55-XDN	
	1 1/4	1 1/2	ACETAL	1/2	—	200	W-65-PDN	60, 90, 60SS, 90SS
			BALL	3/8	1-1/8	200	W-65-XDN	
	1 3/8	1 1/2	ACETAL	9/16	—	300	W-75-PDN	70
			BALL	3/8	1-1/8	300	W-75-XDN	
ROLLER	5/8	1-1/16	300	W-75-TDN				
1 13/16	2 1/4	ROLLER	5/8	1-3/16	350	W-105-TDN	20, 80, A100	
2 1/2	2 1/16	ROLLER	3/4	1-7/16	550	W-605-TDN	D600	
6	1 1/4	1 1/2	ACETAL	1/2	—	220	W-66-PDN	60, 60SS
			BALL	3/8	1-1/8	220	W-66-XDN	
	1 3/8	1 1/2	ACETAL	9/16	—	300	W-76-PDN	70
			ROLLER	5/8	1-1/16	300	W-76-TDN	
1 13/16	2 1/4	ROLLER	5/8	1-3/16	350	W-106-TDN	80, A100	
2 1/2	2 1/16	ROLLER	3/4	1-7/16	550	W-606-TDN	D600	
7	2	2 1/4	ROLLER	5/8	1-3/16	475	W-88-TDN	80, A100



HI-CAP NEOPRENE RUBBER

Load Capacity: 60 to 840 lbs.



Quality Features

- Higher load capacity.
- Excellent grease, oil, and chemical resistance.
- Withstands weather and ozone exposure.
- Will not crack or become brittle or sticky.
- Non-staining.

Our exclusive formula blends corded fibers with specially formulated Neoprene to provide added load capacity in a soft resilient wheel. Withstands wear and abrasion while resisting oil, grease, and most chemicals. Soft tread is permanently molded to a hard center core for added strength and higher load capacities. All Hi-Cap Neoprene rubber wheels are expertly handcrafted at our factory in City of Industry, California.



Available in Electrically Conductive (less than 10⁹ Ohms surface resistance) for excellent protection against electrostatic discharge (ESD).

SPECIFICATIONS

TEMPERATURE RANGE:
-20° to +180°F

HARDNESS DUROMETER:
90 Shore A

COLOR:
Non-staining black

FLOOR MATERIALS & SURFACE CONDITIONS

Linoleum, Vinyl, Composition	Concrete, Brick, Ceramic Tile	Hardwood, Wood Block, Planking	Asphalt, Rough Surfaces	Carpets Surfaces	Metal Scraps on Floor	Excessive Heat	Excessive Cold	Harsh Chemicals or Moisture	Electrostatic Discharge
■	■	■	■				■	■	■

Bearing Selection

PLAIN ACETAL

MACHINED BALL

ROLLER

TAPERED ROLLER
CUP AND CONE

HI-CAP NEUPRENE RUBBER

Quality Features



HI-CAP NEOPRENE RUBBER

Diameter	Tread Width	Hub Length	Bearing	Bore, w/ Bearing	Bore, less bearing	Load Capacity LBS	Part Number	Series Used In
1 5/8	1 1/16	3/4	GRAPHITE	9/32	—	60	W-2-EZKN	—
			GRAPHITE	3/16	—	60	W-1-EZKN	
1 3/4	3/4	7/8	ACETAL	1/4	—	75	W-7-PKN	7
			ROLLER	1/4	—	75	W-7-TKN	
2	3/4	7/8	ACETAL	5/16	—	100	W-9-PKN	9
			BALL	5/16	—	100	W-9-XKN	
	1	1 1/8	BALL	3/8	29/32	110	W-32-XKN	30
			ACETAL	—	—	125	W-51-PKN	50
BALL	—	29/32	125	W-51-XKN				
2 1/2	7/8	3/4	BALL	3/8	29/32	120	W-32 1/2-XKN	30
			ACETAL	7/16	—	140	W-52 1/2-PKN	50, CRV-2.5
	BALL	5/16	29/32	140	W-52 1/2-XKN			
	1 1/4	1 1/2	ACETAL	1/2	—	250	W-62 1/2-PKN	60, 60SS
BALL			3/8	1-1/8	250	W-62 1/2-XKN		
3	3/4	7/8	ACETAL	5/16	—	100	W-11-PKN	11
			BALL	5/16	29/32	135	W-53-XKN	30, 50, 50SS, CR II-3
	ACETAL	7/16	—	135	W-53-PKN			
	1 1/4	1 1/2	ACETAL	1/2	—	250	W-63-PKN	60, 60SS
			BALL	3/8	1-1/8	250	W-63-XKN	
	1 3/8	1 1/2	ACETAL	9/16	—	375	W-73-PKN	70
BALL			3/8	1-1/8	375	W-73-XKN		
ROLLER	5/8	1-1/16	375	W-73-TKN				
1 7/8	2 1/4	ROLLER	5/8	1-3/16	440	W-103-TKN	20, 80	
		ACETAL	1/2	—	250	W-63 1/2-PKN	60, 90, 60SS, 90SS	
BALL	3/8	1-1/8	250	W-63 1/2-XKN				
4	7/8	1 1/8	ACETAL	7/16	—	135	W-54-PKN	30, 50, 50SS
			BALL	5/16	29/32	135	W-54-XKN	
	1 1/4	1 1/2	ACETAL	1/2	—	250	W-64-PKN	60, 90, 60SS, 90
			BALL	3/8	1-1/8	250	W-64-XKN	
	1 3/8	1 1/2	ACETAL	9/16	—	375	W-74-PKN	70
			ROLLER	5/8	1-1/18	375	W-74-TKN	
1 13/16	2 1/4	ROLLER	5/8	1-3/16	440	W-104-TKN	20, 80, A100	
5	7/8	1 1/8	ACETAL	7/16	—	135	W-55-PKN	30, 50, 50SS
			BALL	5/16	29/32	135	W-55-XKN	
	1 1/4	1 1/2	ACETAL	1/2	—	250	W-65-PKN	60, 90, 60SS, 90SS
			BALL	3/8	1-3/16	250	W-65-XKN	
	1 3/8	1 1/2	ACETAL	9/16	—	375	W-75-PKN	70
			BALL	3/8	1-3/16	375	W-75-XKN	
ROLLER	5/8	1-1/16	375	W-75-TKN				
1 13/16	2 1/4	ROLLER	5/8	1-3/16	440	W-105-TKN	20, 80, A100	
2 1/2	2 13/16	ROLLER	3/4	1-7/16	700	W-605-TKN	D800	
6	1 1/4	1 1/2	ACETAL	1/2	—	275	W-66-PKN	60, 60SS
			BALL	3/8	1-3/16	275	W-66-XKN	
	1 3/8	1 1/2	ACETAL	9/16	—	375	W-76-PKN	70
			ROLLER	5/8	1-1/16	375	W-76-TKN	
1 13/16	2 1/4	ROLLER	5/8	1-3/16	440	W-106-TKN	80, A100	
2 1/2	2 13/16	ROLLER	—	—	700	W-606-TKN	D600, A100	
0	2	2 1/4	ROLLER	5/8	1-3/16	600	W-88-TKN	80

HARD RUBBER



Load Capacity: 50 to 670 lbs.

Quality Features

- High load capacity.
- Excellent grease, oil, and chemical resistance.
- Withstands impact from shock loading.
- Will not crack or become brittle or sticky.
- Non-staining.

Tough, solid hard rubber wheels roll easily under heavy loads. Will not chip or crack under impact. Special compound is formulated to resist wear and abrasion. Not affected by oils, grease, water, or cleaning solvents, and will not mark floors. Hard Rubber wheels are expertly handcrafted at our factory in City of Industry, California.



Available in Electrically Conductive (less than 10^5 Ohms surface resistance) for excellent protection against electrostatic discharge (ESD).

SPECIFICATIONS

TEMPERATURE RANGE:
-20° to +140°F

HARDNESS DUROMETER:
80 Shore D

COLOR:
Non-staining black

FLOOR MATERIALS & SURFACE CONDITIONS

Linoleum, Vinyl, Composite	Concrete, Brick, Ceramic Tile	Hardwood, Wood Block, Planking	Asphalt, Rough Surfaces	Carpeted Surfaces	Metal Scraps on Floor	Excessive Heat	Excessive Cold	Harsh Chemicals or Moisture	Electrostatic Discharge
■	■	■	■	■				■	■

Bearing Selection

PLAIN ACETAL

MACHINED BALL

ROLLER



HARD RUBBER

Quality Features



HARD RUBBER

Diameter	Tread Width	Hub Length	Bearing	Bore, w/ Bearing	Bore, less bearing	Load Capacity	Part Number	Series Used In
1 5/8	1 1/16	3/4	ACETAL	9/32	—	75	W-2-PH	—
		1 1/8	ACETAL	3/16	—	75	W-1-PH	
1 3/4	3/4	7/8	ROLLER	1/4	5/16	85	W-7-TH	7
2	3/4	7/8	ACETAL	5/16	—	100	W-9-PH	9
			BALL	5/16	29/32	100	W-9-XH	
	7/8	6 3/4	BALL	3/8	29/32	125	W-32-XH	30
			ACETAL	—	—	150	W-52-PH	50
1	1 1/8	BALL	5/16	29/32	150	W-52-XH		
		2 1/2	7/8	6 3/4	BALL	3/8	29/32	165
ACETAL	7/16				—	165	W-52 1/2-PH	50, CRV-2.5
1	1 1/8		BALL	5-1/8	—	165	W-52 1/2-XH	50, CR II-3
			ACETAL	1/2	—	400	W-62 1/2-PH	60
1 1/4	1 1/2	BALL	3/8	1-1/8	400	W-62 1/2-XH		
		3	3/4	7/8	ACETAL	5/16	—	100
BALL	5/16				29/32	165	W-53-PH	30, 50, 50SS, CR II-3
7/8	1 1/8		ACETAL	1/2	—	400	W-53-XH	
			BALL	3/8	1-1/8	400	W-63-PH	60, 60SS
1 1/4	1 1/2		ACETAL	9/16	—	550	W-63-XH	
			BALL	3/8	1-1/16	550	W-73-PH	70
1 3/8	1 1/2	BALL	5/8	1-1/16	550	W-73-XH		
		ROLLER	5/8	1-1/16	550	W-73-TH	80	
1 7/8	2 1/4	ROLLER	5/8	1-3/16	800	W-83-TH		
		3 1/2	1 1/4	ACETAL	1/2	—	400	W-63 1/2-PH
BALL	3/8			1-1/8	400	W-63 1/2-XH		
4	7/8	1 1/8	ACETAL	7/16	—	165	W-64-PH	30, 50, 50SS
			BALL	5/16	29/32	165	W-54-XH	
	1 1/4	1 1/2	ACETAL	1/2	—	400	W-64-PH	60, 90, 60SS, 90SS
			ACETAL	9/16	—	550	W-64-PH	70
	1 3/8	1 1/2	ROLLER	5/8	1-1/16	600	W-74-TH	
1 13/16			2 1/4	ROLLER	5/8	1-3/16	800	W-104-TH
	5	7/8		1 1/8	ACETAL	7/16	—	165
BALL			5/16		29/32	165	W-55-XH	30, 50, 50SS
1 3/16		2 1/4	ROLLER	5/8	1-3/16	800	W-105-TH	20, 80
			ACETAL	1/2	—	400	W-65-PH	60, 90, 60SS, 90SS
1 1/4		1 1/2	BALL	3/8	1-1/8	400	W-65-XH	60
			ACETAL	9/16	—	600	W-75-PH	70
1 3/8	1 1/2	ROLLER	5/8	1-1/16	600	W-75-TH	70	
		2 1/2	2 1/4	ROLLER	3/4	1-7/16	1000	W-605-TH
6	1 1/4			1 1/2	ACETAL	1/2	—	400
		BALL	3/8		1-1/8	400	W-66-XH	
	1 3/8	1 1/2	ACETAL	9/16	—	600	W-76-PH	70
			ROLLER	5/8	1-1/16	600	W-76-TH	80
1 13/16	2 1/4	ROLLER	5/8	1-3/16	900	W-106-TH		
		2 1/2	2 1/4	ROLLER	3/4	1-7/16	1000	W-606-TH
8	2			2 1/4	ROLLER	5/8	1-3/16	900

EXTRA SOFT "E-Z ROLL"



Load Capacity 80 to 300 lbs.

Quality Features

- Excellent grease, oil, and chemical resistance.
- Absorbs shock and vibration.
- Great for indoor/outdoor applications.
- Will not crack or become brittle.
- Non-staining.

Extra Soft, solid wheel is extremely resilient and will absorb shock while providing a smooth, quiet ride. Special soft Neoprene compound withstands wear and abrasion while resisting oil, grease, and most chemicals. Hard center core provides increased mobility under heavy loads.

The E-Z Roll donut style wheel is ideal for carts or equipment used in offices, stores, hospitals and institutions. The resiliency of the E-Z Roll also makes it the perfect wheel for carpeted surfaces as it reduces carpet roll-up and helps to reduce carpet wear. Use with ball bearings for carpet installations.

All Extra Soft E-Z Roll wheels are expertly handcrafted at our factory in City of Industry, California.



Available in Electrically Conductive (less than 10⁵ Ohms surface resistance) for excellent protection against electrostatic discharge (ESD).

Available in E-Z Roll only.

SPECIFICATIONS

TEMPERATURE RANGE:

-20° to +180°F

HARDNESS DUROMETER:

60 Shore A
(Extra Soft E-Z Roll)

78 Shore A
(Round Donut E-Z Roll)

COLOR:

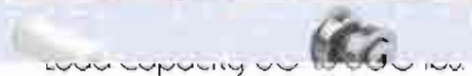
Non-staining black or non-marking gray. Gray not available in Extra Soft

Bearing
Selection

EXTRA SOFT "E-Z ROLL"

PLAIN ACETAL

MACHINED BALL



Quality Features



FLOOR MATERIALS & SURFACE CONDITIONS

**EXTRA SOFT
"E-Z ROLL"**

Linoleum, Vinyl, Composition	Concrete, Brick, Ceramic Tile	Hardwood, Wood Block, Planking	Asphalt, Rough Surfaces	Carpeted Surfaces	Metal Scraps on Floor	Excessive Heat	Excessive Cold	Harsh Chemicals or Moisture	Electrostatic Discharge
■	■	■	■	■	■			■	■

EXTRA SOFT NEOPRENE "E-Z ROLL" (60 Shore A)

Diameter	Tread Width	Hub Length	Bearing	Bore, w/ Bearing	Bore, less bearing	Load Capacity	Part Number	Series Used In
2	1	1½	BALL	5/16	—	90	W-52-XEZN-RD	50, Carpetmaster 2
3	15/16	1½	ACETAL	7/16	—	100	W-53-PEZN-RD	30, 50, 50SS, CR II-3
	1¼	1½	BALL	5/16	29/32	100	W-53-XEZN-RD	
4	15/16	1½	ACETAL	1/2	—	200	W-63-PEZN-RD	60, 90, 60SS, 90SS
			BALL	3/8	1-1/8	200	W-63-XEZN-RD	
	1¼	ACETAL	7/16	—	100	W-54-PEZN-RD	30, 50, 50SS	
		BALL	5/16	29/32	100	W-54-XEZN-RD		
5	15/16	1½	ACETAL	1/2	—	200	W-64-PEZN-RD	60, 90, 60SS, 90SS
			BALL	3/8	1-1/6	200	W-64-XEZN-RD	
	1¼	ACETAL	7/16	—	100	W-55-PEZN-RD	30, 50, 50SS	
		BALL	5/16	29/32	100	W-55-XEZN-RD		
1¾	ACETAL	1/2	—	200	W-65-PEZN-RD	60, 90, 60SS, 90SS		
	BALL	3/8	1-1/8	200	W-65-XEZN-RD			
1¾	1¼	1	ACETAL	9/16	—	225	W-75-PEZN-RD	70
5½	1½	1½	BALL	3/8	1-1/8	200	W-65 1/2-XEZN-RD	60, 60SS
6	1¼	1½	ACETAL	1/2	—	200	W-66-PEZN-RD	60, 60SS
8	1¾	1½	BALL	3/8	1-1/8	200	W-68-XEZN-RD	60, 60SS

ROUND DONUT "E-Z ROLL" (78 Shore A)

Diameter	Tread Width	Hub Length	Bearing	Bore, w/ Bearing	Bore, less bearing	Load Capacity	Part Number	Series Used In	
2	¾	¾	ACETAL	5/16	—	80	W-9-PDN-RD	9	
	7/8	¾	BALL	3/8	29/32	150	W-32-XDN-RD	30	
	1	1½	ACETAL	5/16	—	100	W-52-PDN-RD	50	
BALL			5/16	—	100	W-52-XDN-RD	Carpetmaster 2		
3	7/8	1½	ACETAL	7/16	—	100	W-53-PDN-RD	50	
	1¼	1½	ACETAL	1/2	—	200	W-63-PDN-RD	60	
			BALL	3/8	1-1/8	200	W-63-XDN-RD		
4	7/8	1½	ACETAL	7/16	—	100	W-54-PDN-RD	50	
			BALL	5/16	29/32	100	W-54-XDN-RD		
	1¼	1½	ACETAL	1/2	—	200	W-64-PDN-RD		60
			BALL	3/8	1-1/8	200	W-64-XDN-RD		
5	7/8	1½	ACETAL	7/16	—	100	W-55-PDN-RD	50	
			BALL	5/16	29/32	100	W-55-XDN-RD		
	1¼	1½	ACETAL	1/2	—	200	W-65-PDN-RD		60
			BALL	1/2	—	200	W-65-XDN-RD		60, 70

FLOOR MATERIALS & SURFACE CONDITIONS

EXTRA SOFT

Linoleum	Concrete	Hardwood	Asphalt	Carpeted Surfaces	Metal	Excessive Heat	Excessive Cold	Harsh Chemicals	Electrostatic Discharge
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MOLD-ON RUBBER Cast Iron Hub

Load Capacity: 150 to 1800 lbs.



Quality Features

- Quiet operation.
- Good floor protection.
- Shock absorbing.
- Will not crack or become brittle or sticky.

Mold-on rubber treads are made of thick, natural, industrial grade rubber that is permanently bonded to a high-strength cast iron core. These ever-popular wheels are quiet and long wearing. Ideal for a multitude of industrial uses. All mold-on rubber wheels are expertly handcrafted at our factory in Detroit, Michigan.

SPECIFICATIONS

TEMPERATURE RANGE:
-40° to +200°F

HARDNESS DUROMETER:
70 Shore A

COLOR:
Non-staining black tread /
natural core

FLOOR MATERIALS & SURFACE CONDITIONS

Linoleum, Vinyl, Composition	Concrete, Brick, Ceramic Tile	Hardwood, Wood Block, Planking	Asphalt, Rough Surfaces	Carpeted Surfaces	Metal Scraps on Floor	Excessive Heat	Excessive Cold	Harsh Chemicals or Moisture	Electrostatic Discharge
■	■	■	■				■		

Bearing
Selection



MOLD-ON RUBBER Cast Iron Hub

Load Capacity: 150 to 1800 lbs.



MOLD-ON RUBBER

Cast Iron Hub

Diameter	Tread Width	Hub Length	Bearing	Bore, w/ Bearing	Bore, less bearing	Load Capacity	Part Number	Series Used In
								
4	2	2 1/4	ROLLER	3/4	1-3/16	300	342-RS	A100CS, 400, R600
5	2	2 1/4	ROLLER	3/4	1-3/16	350	352-RS	A100CS, 400, R600
6	2	2 1/4	ROLLER	3/4	1-3/16	410	362-RS	A100CS, 400, R600
		2 1/2		1	1-3/4	410	665-RS	R600
	2 1/2	2 1/4	ROLLER	1	1-9/16	540	669-RS	
		TAPERED ROLLER	3/4	1-25/32	540	100-6-RS	R100, 650	
		ROLLER	1	1-13/16	680	551-6-RS	550	
8	2	2 1/4	TAPERED ROLLER	3/4	1-25/32	680	100-63-RS	R100, R110
			ROLLER	3/4	1-3/16	500	382-RS	A100CS, 400
	2 1/2	2 1/4	TAPERED ROLLER	3/4	1-25/32	500	698-RS	—
			ROLLER	1	1-9/16	670	504-8-RS	500
			TAPERED ROLLER	3/4	1-25/32	670	655-8-RS	650
	3	3 1/4	ROLLER	1	1-13/16	840	554-8-RS	550, 800
			ROLLER	1	1-13/16	840	887-RS	800
			TAPERED ROLLER	3/4	1-25/32	840	100-7-RS	R100, R110
			TAPERED ROLLER	3/4	1-25/32	840	100-8-RS	
			10	2	2 1/4	ROLLER	3/4	1-13/16
ROLLER	1	1-9/16				790	507-10-RS	500
2 1/2	2 1/4	TAPERED ROLLER		3/4	1-25/32	790	656-10-RS	650
		ROLLER		1	1-13/16	1000	557-10-RS	550, 800
3	3 1/4	ROLLER		1	1-13/16	1000	8139-RS	800
		TAPERED ROLLER		1-3/4	1-25/32	1000	100-10-RS	R100, R110
		TAPERED ROLLER		1-3/4	2-7/16	1000	120-10-RS	R120
4	4 1/4	TAPERED ROLLER	3/4	1-25/32	1000	100-9-RS	R100, R110	
		TAPERED ROLLER	1-3/4	2-7/16	1400	110-104-RS	R110, R120	
11	5	5 1/4	TAPERED ROLLER	1-3/4	2-7/16	1800	127-11-RS	R120
12	3	3 1/4	TAPERED ROLLER	1-3/4	2-21/64	1140	100-12-RS	R100, R110
	4	4 1/4	TAPERED ROLLER	1-3/4	2-7/16	1600	130-12-RS	R120

Members of:



MOLD-ON RUBBER

Cast Iron Hub



THERMOPLASTIC RUBBER Polyolefin Core

Load Capacity: 150 to 450 lbs.

Quality Features

- Excellent floor protection.
- Good grease, oil, and chemical resistance.
- High impact strength.
- Non-staining.
- Will not crack or become brittle or sticky.



Soft thermoplastic rubber tread is molded to high strength Polyolefin core to offer good floor protection at an economical price. Tread and core are mechanically bonded to prevent separation. Gray tread is non-marking, non-staining, and will not crack or become brittle. An excellent choice for general duty applications where a soft quiet wheel is required.

Optional Round Tread available in 1-1/2-inch and 2-inch widths

SPECIFICATIONS

TEMPERATURE RANGE:
-45° to +180°F

HARDNESS DUROMETER:
80 Shore A

COLOR:
Non-marking gray.

FLOOR MATERIALS & SURFACE CONDITIONS

Linoleum, Vinyl, Composition	Concrete, Brick, Ceramic Tile	Hardwood, Wood Block, Planking	Asphalt, Rough Surfaces	Carpeted Surfaces	Metal Scraps on Floor	Excessive Heat	Excessive Cold	Harsh Chemicals or Moisture	Electrostatic Discharge
■	■	■	■					■	■



Bearing Selection

DELFIN

MACHINED BALL

ROLLER



THERMOPLASTIC RUBBER Polyolefin Core

Load Capacity: 150 to 450 lbs.

Quality Features

WHEELS

EXTRA-SOFT THERMOPLASTIC RUBBER

Polyolefin Core



Load Capacity: 100 to 300 lbs.

Quality Features

- Absorbs shock and vibration.
- Good grease, oil, and chemical resistance.
- Excellent floor protection.
- Will not crack or become brittle or sticky.
- Non-marking.

Extra-soft (55A) thermoplastic rubber tread is extremely resilient, economical, and will absorb shock while providing a smooth, quiet ride. Tread and core are mechanically bonded to prevent separation. Gray tread is non-marking, non-staining, and will not crack or become brittle.

Optional Round Tread available in 1-1/2-inch and 2 inch widths

SPECIFICATIONS

TEMPERATURE RANGE:
-45° to +180°F

HARDNESS DUROMETER:
55 Shore A

COLOR:
Non-marking gray.

FLOOR MATERIALS & SURFACE CONDITIONS

Linoleum, Vinyl, Composition	Concrete, Brick, Ceramic Tile	Hardwood, Wood Block, Planking	Asphalt, Rough Surfaces	Carpeted Surfaces	Metal Scraps on Floor	Excessive Heat	Excessive Cold	Harsh Chemicals or Moisture	Electrostatic Discharge
■	■	■	■	■	■			■	

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DARNELL-ROSE
WHEELS & CASTERS

Bearing Selection

DELFIN



MACHINED BALL



ROLLER



Load Capacity: 100 to 300 lbs.

Quality Features

EXTRA-SOFT THERMOPLASTIC RUBBER

WHEELS

EXTRA-SOFT THERMOPLASTIC RUBBER

Diameter	Tread Width	Hub Length	Bearing	Bore, w/ Bearing	Bore, less bearing	Load Capacity	Part Number	Series Used In	
2½	1¾	1½	DELRIN	1/2	1-1/8	125	W-82 1/2-DPD-M-PO-55	60, 60SS	
			BALL	3/8	1-1/8	125	W-82 1/2-XPD-M-PO-55	60	
3	1	1⅝	BALL	5/16	7/8	100	W-53-XPD-M-PO-55	50	
			PLAIN	5/16	5/16	100	W-53-BPD-M-PO-55	50, 50SS	
	1¾	1½	DELRIN	1/2	1-1/8	150	W-63-DPD-M-PO-55	60, 60SS	
			BALL	3/8	1-1/8	150	W-63-XPD-M-PO-55	60	
3½	1¾	1½	DELRIN	1/2	1-1/8	160	W-83 1/2-DPD-M-PO-55	60, 90, 60SS, 90SS	
			BALL	3/8	1-1/8	160	W-83 1/2-XPD-M-PO-55	60, 90	
4	1	1⅝	BALL	5/16	7/8	110	W-54-XPD-M-PO-55	50	
			PLAIN	5/16	5/16	110	W-54-BPD-M-PO-55	50, 50SS	
	1¾	1½	DELRIN	1/2	1-1/8	170	W-64-DPD-M-PO-55	60, 90, 60SS, 90SS	
			BALL	3/8	1-1/8	170	W-64-XPD-M-PO-55	60, 90	
	1½	1%	DELRIN	5/8	1-3/16	185	W-74-DPD-M-PO-55	70	
			ROLLER	5/8	1-3/16	185	W-74-TPD-M-PO-55		
	2	2⅞	2%	DELRIN	3/4	1-3/16	200	W-84-DPD-M-PO-55	20, 80
				ROLLER	3/4	1-3/16	200	W-104-TPD-M-PO-55	A100CS, A100SS
		2%	2%	ROLLER	5/8	1-3/16	200	W-84-TPD-M-PO-55	20, 80
				DELRIN	3/4	1-3/16	200	W-104-DPD-M-PO-55	A100CS, A100SS
5	1	1⅝	BALL	5/16	7/8	120	W-55-XPD-M-PO-55	50	
			PLAIN	5/16	5/16	120	W-55-BPD-M-PO-55	50, 50SS	
	1¾	1½	DELRIN	1/2	1-1/8	180	W-65-DPD-M-PO-55	60, 90, 60SS, 90SS	
			BALL	3/8	1-1/8	180	W-65-XPD-M-PO-55	60, 90	
	1½	1%	DELRIN	1/2	1-1/8	190	W-75-DPD-M-PO-55	70	
			ROLLER	5/8	1-3/16	195	W-75-TPD-M-PO-55		
	2	2⅞	2%	DELRIN	3/4	1-3/16	225	W-85-DPD-M-PO-55	20, 80
				ROLLER	3/4	1-3/16	225	W-105-TPD-M-PO-55	A100CS, A100SS
2%		2%	ROLLER	5/8	1-3/16	225	W-85-TPD-M-PO-55	20, 80	
			DELRIN	3/4	1-3/16	225	W-105-DPD-M-PO-55	A100CS, A100SS	
6	1¾	1½	DELRIN	1/2	1-1/8	190	W-66-DPD-M-PO-55	60, 60SS	
			BALL	3/8	1-1/8	190	W-66-XPD-M-PO-55	60	
	1½	1%	DELRIN	1/2	1-1/8	225	W-76-DPD-M-PO-55	70	
			ROLLER	5/8	1-3/16	230	W-76-TPD-M-PO-55		
	2	2⅞	2%	DELRIN	3/4	1-3/16	250	W-86-DPD-M-PO-55	80
				ROLLER	3/4	1-3/16	250	W-86-TPD-M-PO-55	A100CS, A100SS
ROLLER	5/8	1-3/16	250	W-86-TPD-M-PO-55	80				
DELRIN	3/4	1-3/16	250	W-106-DPD-M-PO-55	A100CS, A100SS				
8	2	2⅞	DELRIN	3/4	1-3/16	300	W-88-DPD-M-PO-55	80	
			ROLLER	3/4	1-3/16	300	W-108-TPD-M-PO-55	A100CS, A100SS	
			ROLLER	5/8	1-3/16	300	W-88-TPD-M-PO-55	80	
			DELRIN	3/4	1-3/16	300	W-108-DPD-M-PO-55	A100CS, A100SS	

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Diameter	Tread Width	Hub Length	Bearing	Bore, w/ Bearing	Bore, less bearing	Load Capacity	Part Number	Series Used In
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MOLD-ON POLYURETHANE Polyolefin Core

Load Capacity: 200 to 1,000 lbs.



Quality Features

- High load capacity.
- Good grease, oil, and chemical resistance.
- Floor protection.
- Will not chip, crack or become brittle.
- Non-marking.

Red Polyurethane tread is mechanically bonded to a high-strength polyolefin hub. Offers excellent wear resistance with minimum rolling effort. This sanitary wheel resists acids, oils, solvents, and most chemicals. Provides high load capacity, good floor protection at an economical price.

Optional Round Tread available in 1-1/2-inch and 2-inch widths

SPECIFICATIONS

TEMPERATURE RANGE:
-45° to +180°F

HARDNESS DUROMETER:
85-95 Shore A

COLOR:
Non-marking red on either white or black core.

FLOOR MATERIALS & SURFACE CONDITIONS

Linoleum, Vinyl, Composition	Concrete, Brick, Ceramic Tile	Hardwood, Wood Block, Planking	Asphalt, Rough Surfaces	Carpeted Surfaces	Metal Scraps on Floor	Excessive Heat	Excessive Cold	Harsh Chemicals or Moisture	Electrostatic Discharge
■	■	■	■					■	

Bearing Selection

DEL RIN

MACHINED BALL

ROLLER



MOLD-ON POLYURETHANE Polyolefin Core

Quality Features

MOLD-ON POLYURETHANE

Polyolefin Core

Diameter	Tread Width	Hub Length	Bearing	Bore, w/ Bearing	Bore, less bearing	Load Capacity	Part Number	Series Used In
2½	1¾	1½	DELFIN	1/2	1-1/8	300	W-62 1/2-DADI-M-PO	60, 60SS
		1%	BALL	3/8	1-1/8	300	W-62 1/2-XADI-M-PO	80
3	1	1%	BALL	5/16	7/8	200	W-53-XADI-M-PO	50
		PLAIN	5/16	5/16	200	W-53-BADI-M-PO	50, 50SS	
	1¾	1½	DELFIN	1/2	1-1/8	300	W-63-DADI-M-PO	60, 60SS
		1%	BALL	3/8	1-1/8	300	W-63-XADI-M-PO	60
3½	1¾	1½	DELFIN	1/2	1-1/8	360	W-63 1/2-DADI-M-PO	60, 90, 60SS, 90SS
		1%	BALL	3/8	1-1/8	360	W-63 1/2-XADI-M-PO	60, 90
4	1	1%	BALL	5/16	7/8	200	W-54-XADI-M-PO	50
			PLAIN	5/16	5/16	200	W-54-BADI-M-PO	50, 50SS
	1¾	1½	DELFIN	1/2	1-1/8	400	W-64-DADI-M-PO	60, 90, 60SS, 90SS
		1%	BALL	3/8	1-1/8	400	W-64-XADI-M-PO	60, 90
	1½	1%	DELFIN	1/2	1-1/8	500	W-74-DADI-M-PO	70
			ROLLER	5/8	1-3/16	500	W-74-TADI-M-PO	
	2	2%	DELFIN	3/4	1-3/16	600	W-84-DADI-M-PO	20, 80
			ROLLER	3/4	1-3/16	750	W-104-TADI-M-PO	A100CS, A100SS
		2%	DELFIN	3/4	1-3/16	750	W-84-TADI-M-PO	20, 80
			DELFIN	3/4	1-3/16	600	W-104-DADI-M-PO	A100CS, A100SS
5	1	1%	BALL	5/16	7/8	200	W-55-XADI-M-PO	50
			PLAIN	5/16	5/16	200	W-55-BADI-M-PO	50, 50SS
	1¾	1½	DELFIN	1/2	1-1/8	400	W-65-DADI-M-PO	60, 90, 60SS, 90SS
		1%	BALL	3/8	1-1/8	400	W-65-XADI-M-PO	60
	1½	1%	DELFIN	1/2	1-1/8	600	W-75-DADI-M-PO	70
			ROLLER	5/8	1-3/16	600	W-75-TADI-M-PO	
	2	2%	DELFIN	3/4	1-3/16	850	W-85-DADI-M-PO	20, 80
			ROLLER	3/4	1-3/16	1000	W-105-TADI-M-PO	A100CS, A100SS
2%		DELFIN	3/4	1-3/16	1000	W-85-TADI-M-PO	20, 80	
		DELFIN	3/4	1-3/16	850	W-105-DADI-M-PO	A100CS, A100SS	
6	1¾	1½	DELFIN	1/2	1-1/8	400	W-66-DADI-M-PO	60
		1%	BALL	3/8	1-1/8	400	W-66-XADI-M-PO	
	1½	1%	DELFIN	1/2	1-1/8	600	W-76-DADI-M-PO	70
			ROLLER	5/8	1-3/16	600	W-76-TADI-M-PO	
	2	2%	DELFIN	3/4	1-3/16	900	W-86-DADI-M-PO	80
			ROLLER	3/4	1-3/16	1000	W-106-TADI-M-PO	A100CS, A100SS
8	2	2%	DELFIN	3/4	1-3/16	1000	W-86-TADI-M-PO	80
			ROLLER	3/4	1-3/16	1000	W-106-DADI-M-PO	A100CS, A100SS
		2%	DELFIN	3/4	1-3/16	1000	W-88-DADI-M-PO	80
			ROLLER	3/4	1-3/16	1000	W-108-TADI-M-PO	A100CS, A100SS

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MOLD-ON POLYURETHANE

Polyolefin Core

WHEELS

Premium grade polyurethane tread is accurately cast and chemically bonded onto a high-grade cast iron core. All cores are machined and degreased then carefully prepped to assure a strong permanent bond. Particularly recommended for heavy loads and rough floor conditions. Mold-on Polyurethane wheels are resistant to a wide range of chemicals, oils, and solvents making these the best wheels for extremely rugged applications. Many of these heavy-duty polyurethane wheels are expertly crafted at our plant in Detroit, Michigan.

MOLD-ON POLYURETHANE

Cast Iron Hub



Load Capacity: 200 to 10,000 lbs.

Load capabilities are based on intermittent use at speeds not in excess of 3 mph.

Quality Features

- High load capacity.
- Excellent grease, oil, and chemical resistance.
- Good floor protection.
- High impact strength.
- Non-marking.

SPECIFICATIONS

TEMPERATURE RANGE:
-50° to +200°F

HARDNESS DUROMETER:
90-92 Shore A

COLOR:
Non-marking brown tread on either natural or blue painted core.

FLOOR MATERIALS & SURFACE CONDITIONS

Linoleum, Vinyl, Composition	Concrete, Brick, Ceramic Tile	Hardwood, Wood Block, Planking	Asphalt, Rough Surfaces	Carpeted Surfaces	Metal Scraps on Floor	Excessive Heat	Excessive Cold	Harsh Chemicals or Moisture	Electrostatic Discharge
	■		■		■		■	■	

Diameter	Tread Width	Hub Length	Bearing	Bore, w/ Bearing	Bore, less bearing	Load Capacity	Part Number	Series Used In
2	1	1½	BALL	5/16	29/32	200	W-52-XADI-M-CI	50
2½	7/8	¾	BALL	3/8	29/32	200	W-32 1/2-XADI-M-CI	30
	1¼	1½	BALL	3/8	1-1/8	400	W-62 1/2-XADI-M-CI	60
3	1¼	1½	BALL	3/8	1-3/16	400	W-63-XADI-M-CI	60
			PLAIN	1/2	—	400	W-63-BADI-M-CI	
	1¾	1¾	BALL	5/8	1-1/8	600	W-73-XADI-M-CI	70
			ROLLER	5/8	1-1/16	800	W-73-TADI-M-CI	
1¾	2¼	ROLLER	5/8	1-3/16	800	W-103-TADI-M-CI	20, 80	
3½	1¼	1½	BALL	3/8	1-1/8	400	W-63 1/2-XADI-M-CI	60
4	1¾	1¾	ROLLER	5/8	1-1/16	600	W-74-TADI-M-CI	70
			ROLLER	5/8	1-3/16	800	W-104-TADI-M-CI	20, 80
	2	2¼	ROLLER	3/4	1-3/16	580	342-PS	A100, 400

Bearing Selection

MACHINED BALL



ROLLER



TAPERED ROLLER CUP AND CONE



Premium grade polyurethane tread is accurately cast and chemically bonded

MOLD-ON POLYURETHANE

Load Capacity: 200 to 10,000 lbs.

Load capabilities are based on intermittent use at speeds not in excess of 3 mph.

MOLD-ON POLYURETHANE Cast Iron Hub

Diameter	Tread Width	Hub Length	Bearing	Bore, w/ Bearing	Bore, less bearing	Load Capacity	Part Number	Series Used In
5	1 ³ / ₈	1 ¹ / ₂	ROLLER	5/8	1-1/16	600	W-75-TADI-M-CI	70
	1 ³ / ₄	2 ¹ / ₂	ROLLER	5/8	1-3/16	800	W-105-TADI-M-CI	20, 80
			TAPERED ROLLER	9/16	1-3/8	800	W-105-YADI-M-CI	
2	2 ¹ / ₂	ROLLER	3/4	1-3/16	700	352-PS	A100CS, 400, R600	
6	1 ¹ / ₄	1 ¹ / ₂	BALL	3/8	1-1/8	400	W-66-XADI-M-CI	60
	1 ¹ / ₂	1 ¹ / ₂	ROLLER	5/8	1-1/16	500	W-76-TADI-M-CI	70
	1 ⁷ / ₈	2 ¹ / ₂	ROLLER	5/8	1-3/16	800	W-106-TADI-M-CI	80
	2	2 ¹ / ₂	ROLLER	3/4	1-3/16	1000	362-PS	A100CS, 400
				1	1-3/4	1500	665-PS	R600
	2 ³ / ₁₆	2 ¹³ / ₁₆	ROLLER	3/4	1-13/16	1100	W-606-TADI-M-CI	D600
			TAPERED ROLLER	3/4	1-5/8	1100	W-606-YADI-M-CI	
	2 ¹ / ₂	2 ¹ / ₂	ROLLER	1	1-9/16	1650	669-PS	R100, 650
TAPERED ROLLER			3/4	1-25/32	1650	100-6-PS		
3	3 ¹ / ₄	ROLLER	1	1-9/16	2000	551-6-PS	550	
		TAPERED ROLLER	3/4	1-25/32	2000	100-63-PS	R100, R110	
8	2	2 ¹ / ₂	ROLLER	5/8	1-3/16	1000	W-88-TADI-M-CI	80
				3/4	1-3/16	1350	382-PS	A100CS, 400
			TAPERED ROLLER	19/32	1-3/8	1000	W-88-YADI-M-CI	80
				3/4	1-25/32	1600	698-PS	R600
	2 ³ / ₁₆	2 ¹³ / ₁₆	ROLLER	3/4	1-13/16	1400	W-608-TADI-M-CI	D600
			TAPERED ROLLER	3/4	1-5/8	1400	W-608-YADI-M-CI	
	2 ¹ / ₂	2 ¹ / ₂	ROLLER	1	1-9/16	2000	504-8-PS	650
			TAPERED ROLLER	3/4	1-25/32	2000	655-8-PS	500
	3	3 ¹ / ₄	ROLLER	3/4	1-13/16	2500	887-PS	800
				1	1-13/16	2500	555-8-PS	550, 800
TAPERED ROLLER			3/4	1-25/32	2500	100-7-PS	R100, R110	
			3/4	1-25/32	2500	100-8-PS	R100, R110	
10	2	2 ¹ / ₂	ROLLER	3/4	1-3/16	1700	4102-PS	400, R600
	2 ¹ / ₂	2 ¹ / ₂	ROLLER	1	1-9/16	2000	507-10-PS	500
			TAPERED ROLLER	3/4	1-25/32	2000	656-10-PS	650
	3	3 ¹ / ₄	ROLLER	1	1-13/16	2600	557-10-PS	550, 800
				1	1-13/16	2600	8139-PS	800
			TAPERED ROLLER	1-1/4	2-7/16	3000	120-10-PS	R120
				3/4	1-25/32	2600	100-10-PS	R100, R110
	4	4 ¹ / ₂	TAPERED ROLLER	3/4	1-25/32	2600	100-9-PS	R100, R110
				1-1/4	2-7/16	4200	110-104-PS	R110, R120
TAPERED ROLLER			1-1/4	2-21/64	4000	W-10X4-YADI-M-CI	—	
5	5 ¹ / ₂	TAPERED ROLLER	1-1/4	2-21/64	10,000	10X5-YADI	5100	
11	5	5 ¹ / ₂	TAPERED ROLLER	1-1/4	2-7/16	4500	127-110-PS	R120
12	3	3 ¹ / ₄	TAPERED ROLLER	1-1/4	2-21/64	3500	100-12-PS	R100, R110
	4	4 ¹ / ₂	TAPERED ROLLER	1-1/4	2-7/16	4800	130-12-PS	R120
				1-1/4	2-21/64	4500	W-12X4-YADI-M-CI	—
16	4	4 ¹ / ₂	TAPERED ROLLER	1-1/4	2-21/64	6000	W-16X4-YADI-M-CI	—
	5	5 ¹ / ₂	TAPERED ROLLER	1-1/4	2-21/64	7500	4016-YADI-M-CI	4500 WORKSTAND
				1-1/4	2-21/64	8500	4018-YADI-M-CI	4500 WORKSTAND
2	2-21/64	10,000	4018-YADI-M-CI-10K	8000				
20	5	5 ¹ / ₂	TAPERED ROLLER	2	2-21/64	10,000	4020-YADI-M-CI-10K	8000

MOLD-ON SOFT POLYURETHANE Cast Iron Hub



Load Capacity: 480 to 4,080 lbs

Load capabilities are based on intermittent use at speeds not in excess of 3 mph.

Quality Features

- Significant noise reduction.
- Excellent grease, oil, and chemical resistance.
- Faster flat spot recovery.
- Excellent floor protection.
- High impact strength.
- Non-marking.

Wheel tread compounded from soft, premium grade polyurethane that is accurately cast then chemically bonded onto a cast iron core. All cores are machined and degreased then carefully prepped to assure a strong permanent bond. Particularly recommended for heavy loads and rough floor conditions. Soft polyurethane wheels resist a wide range of chemicals, oils, and solvents. All soft polyurethane wheels are expertly crafted at our plant in Detroit, Michigan.

SPECIFICATIONS

TEMPERATURE RANGE:
-40° to 200° F

HARDNESS DUROMETER:
80 Shore A

COLOR:
Red tread on either natural or blue painted core.

FLOOR MATERIALS & SURFACE CONDITIONS

Linoleum, Vinyl, Composition	Concrete, Brick, Ceramic Tile	Hardwood, Wood Block, Planking	Asphalt, Rough Surfaces	Carpeted Surfaces	Metal Scraps on Floor	Excessive Heat	Excessive Cold	Harsh Chemicals or Moisture	Electrostatic Discharge
	■		■		■		■	■	

Bearing Selection

MOLD-ON SOFT POLYURETHANE Cast Iron Hub

ROLLER

TAPERED ROLLER
CUP AND CONE



Load capabilities are based on intermittent use at speeds not in excess of 3 mph.



MOLD-ON SOFT POLYURETHANE

Cast Iron Hub

Diameter	Tread Width	Hub Length	Bearing	Bore, w/ Bearing	Bore, less bearing	Load Capacity LBS	Part Number	Series Used In
								
4	2	2 1/4	ROLLER	3/4	1-3/16	480	342-PS8	A100CS, 400, R600
5	2	2 1/4	ROLLER	3/4	1-3/16	550	352-PS8	A100CS, 400, R600
6	2	2 1/4	ROLLER	3/4	1-3/16	600	362-PS8	A100CS, 400, R600
		2 3/8		1	1-3/4	600	665-PS8	R600
	2 1/2	2 1/2	ROLLER	1	1-9/16	960	669-PS8	
		TAPERED ROLLER	3/4	1-25/32	960	100-6-PS8	R100, 650	
		ROLLER	1	1-9/16	1080	551-6-PS8	550	
3	3 3/4	TAPERED ROLLER	3/4	1-25/32	1080	100-63-PS8	R100, R110	
		ROLLER	3/4	1-3/16	1560	382-PS8	A100CS, 400	
8	2	2 1/4	TAPERED ROLLER	3/4	1-25/32	1560	698-PS6	—
			ROLLER	1	1-9/16	1800	504-8-PS8	500
	2 1/2	2 1/4	TAPERED ROLLER	3/4	1-25/32	1800	655-8-PS8	650
			ROLLER	1	1-13/16	2050	555-8-PS8	550, 800
	3	3 3/4	ROLLER	3/4	1-13/16	2050	887-PS8	800
				3/4	1-25/32	2050	100-7-PS8	R100, R110
				3/4	1-25/32	2050	100-8-PS8	
10	2	2 1/4	ROLLER	3/4	1-3/16	1680	4102-PS8	400, R600
			ROLLER	1	1-9/16	2160	507-10-PS8	500
	2 1/2	2 1/4	TAPERED ROLLER	3/4	1-25/32	2160	666-10-PS8	650
			ROLLER	1	1-13/16	2400	557-10-PS8	550, 800
	3	3 3/4	ROLLER	1	1-13/16	2400	6139-PS6	800
				1-1/4	2-7/16	2400	120-10-PS8	R120
				3/4	1-25/32	2400	100-10-PS8	R100, R110
				3/4	1-25/32	2400	100-0-PS8	
4	4 1/4	TAPERED ROLLER	1-1/4	2-7/16	3120	110-104-PS8	R110, R120	
11	5	5 1/4	TAPERED ROLLER	1-1/4	2-7/16	4080	127-110-PS8	R120
12	3	3 3/4	TAPERED ROLLER	1-1/4	2-21/64	2760	100-12-PS8	R100, R110
	4	4 1/4	TAPERED ROLLER	1-1/4	2-7/16	3600	130-12-PS8	R120

All single wheel loads are based on 3 mph for less than 10 minutes continuous running.

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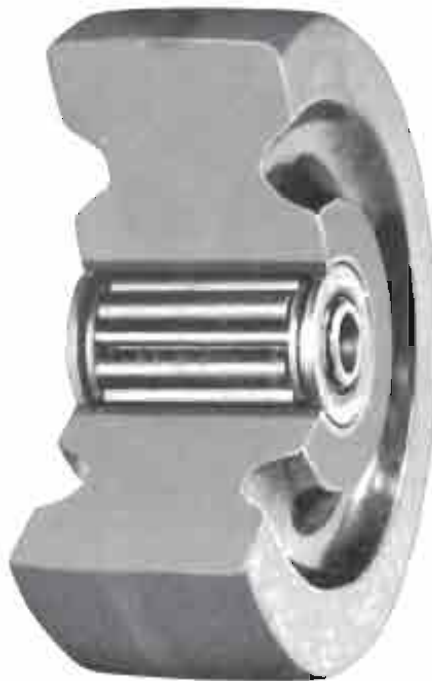


MOLD-ON SOFT POLYURETHANE

Cast Iron Hub

PHENOLIC

Load Capacity: 400 to 8,000 lbs.



Quality Features

- Economical.
- High load capacity.
- Low rolling resistance.
- Wide temperature range.
- Grease, oil, and chemical resistance.

Phenolic wheels have high compressive strength and impact resistance. Not affected by most chemicals and will withstand temperatures up to 275°F. High temperature wheel is available up to 475°F. Phenolic wheels offer a good value for many general and heavy-duty applications.



SPECIFICATIONS

TEMPERATURE RANGE:
-65° to 275°F
high temp to +475°F

HARDNESS DUROMETER:
102 Rockwell E

COLOR:
Non-marking black.

FLOOR MATERIALS & SURFACE CONDITIONS

Linoleum, Vinyl, Composition	Concrete, Brick, Ceramic Tile	Hardwood, Wood Block, Planking	Asphalt, Rough Surfaces	Carpeted Surfaces	Metal Scraps on Floor	Excessive Heat	Excessive Cold	Harsh Chemicals or Moisture	Electrostatic Discharge
	■		■			■	■	■	

Bearing Selection
PHENOLIC

MACHINED BALL

ROLLER



Load Capacity: 400 to 8,000 lbs.

Quality Features



PHENOLIC

Diameter	Tread Width	Hub Length	Bearing	Bore, w/ Bearing	Bore, less bearing	Load Capacity	Part Number	Series Used In
3	1¼	1½	ROLLER	5/8	1-1/16	400	W-63-TPR	60, 60SS
	1½	1¾		5/8	1-1/16	500	W-73-TPR	70
	2	2¾		5/8	1-3/16	600	W-63-TPR	80
3¼	2	2⅝	ROLLER	3/4	1-3/16	700	W-332-PR	400
		2¾		5/8	1-3/16	600	W-103-TPR	20, 400
3½	1¼	1½	ROLLER	5/8	1-1/16	400	W-63 1/2-TPR	60, 90, 60SS, 90SS
4	1¼	1½	ROLLER	5/8	1-1/16	400	W-64-TPR	60, 90, 60SS, 90SS
	1½	1¾	ROLLER	5/8	1-1/16	600	W-74-TPR	70
	2	2⅝	ROLLER	3/4	1-3/16	1000	W-342-PR	400
		2¾	ROLLER	3/4	1-3/16	800	W-342-PR	
5	1¼	1½	ROLLER	5/8	1-1/16	400	W-65-TPR	60, 90, 60SS, 90SS
		1¾	ROLLER	5/8	1-1/16	600	W-75-TPR	70
	2	2⅝	ROLLER	3/4	1-3/16	1000	W-352-PR	400
		2¾	ROLLER	3/4	1-3/16	1200	W-352-PR	
6	1½	1¾	ROLLER	5/8	1-1/16	800	W-76-TPR	70
		2	ROLLER	5/8	1-3/16	1200	W-106-TPR	80, A100, A100SS, 400
	2	2⅝	ROLLER	3/4	1-3/16	1200	W-362-PR	400
			ROLLER	3/4	1-3/16	1500	W-362-PR	
	2½	2⅝	ROLLER	3/4	1-3/16	1600	W-606-TPR	D600, 4L
			TAPERED ROLLER	1-1/4	2-21/64	1600	W-4006-YPR	R100, 650
	3	3¾	ROLLER	1	1-15/16	2000	W-551-6-PR	550
			ROLLER	1-1/4	2-1/16	2000	W-4006-TPR-3	550
TAPERED ROLLER			1-1/4	2-21/64	2000	W-4006-YPR-3	R100, R110	
TAPERED ROLLER			3/4	1-25/32	2000	W-100-63-PR	R100, R110	
8	2	2⅝	ROLLER	3/4	1-3/16	1400	W-382-PR	400
		2¾	ROLLER	3/4	1-3/16	1500	W-382-PR	400
		3	ROLLER	5/8	1-3/16	1400	W-88-TPR	80, 400
	2½	2⅝	ROLLER	3/4	1-3/16	2000	W-608-TPR	D600
		3	ROLLER	1	1-15/16	2000	W-504-8-PR	500
	2¾	3	TAPERED ROLLER	3/4	1-25/32	2000	W-655-6-PR	650
			ROLLER	1-1/4	2-1/16	2000	W-4008-TPR	500
	3	3¾	TAPERED ROLLER	1-1/4	2-21/64	2000	W-4008-YPR	650
			ROLLER	1	1-15/16	2500	W-654-8-PR	550, 800
			ROLLER	1-1/4	2-1/16	2500	W-4008-TPR-3	550
			TAPERED ROLLER	1-1/4	2-21/64	2500	W-4008-YPR-3	R100, R110, R120
			TAPERED ROLLER	1-1/4	2-7/16	2500	W-100-8-PR	R100, R110, R120
10	2½	3¾	ROLLER	1	1-15/16	2500	W-607-10-PR	500
			TAPERED ROLLER	3/4	1-25/32	2000	W-655-8-PR	650
	2¾	3¾	ROLLER	1-1/4	2-1/16	2500	W-4010-TPR	500
			TAPERED ROLLER	1-1/4	2-21/64	2500	W-4010-YPR	650
	3	3¾	ROLLER	1	1-15/16	2900	W-557-10-PR	550, 800
			TAPERED ROLLER	1-1/4	2-1/16	2900	W-4010-TPR-3	550
TAPERED ROLLER	1-1/4	2-21/64	2900	W-4010-YPR-3	R100, R110, R120			
TAPERED ROLLER	1-1/4	2-7/16	2900	W-100-10-PR	R100, R110, R120			
12	2½	3¾	ROLLER	1-1/4	2-1/16	3000	W-4012-TPR	D4500
			TAPERED ROLLER	1-1/4	2-21/64	3000	W-4012-YPR	D5200
	3	3¾	ROLLER	1-1/4	2-1/16	3500	W-4012-TPR-3	R100, R110
			TAPERED ROLLER	1-1/4	2-21/64	3500	W-4012-YPR-3	R100, R110
	3¾	4	TAPERED ROLLER	1-1/4	2-7/16	3500	W-100-12-PR	R100, R110
			TAPERED ROLLER	1-1/4	2-7/16	4000	W-130-12-PL	

PHENOLIC

Diameter	Tread Width	Hub Length	Bearing	Bore, w/ Bearing	Bore, less bearing	Load Capacity	Part Number	Series Used In

POLYOLEFIN



Load Capacity: 150 to 900 lbs.

Quality Features

- Economical.
- Impact resistant.
- Low rolling resistance.
- Grease, oil, and chemical resistance.

These economical, impact resistant, hard plastic wheels offer low rolling resistance and good performance in wet conditions. Not affected by most oils, grease, or cleaning solvents, and will not mark floors. Solid high-grade material will not chip or crack under severe impact. Available in black (standard) or sanitary white colors.

SPECIFICATIONS

TEMPERATURE RANGE:

-45° to 200°F
high temp to +550°F

HARDNESS DUROMETER:

85-95 Shore D

COLOR:

Non-marking black or sanitary white.

FLOOR MATERIALS & SURFACE CONDITIONS

Linoleum, Vinyl, Composition	Concrete, Brick, Ceramic Tile	Hardwood, Wood Block, Planking	Asphalt, Rough Surfaces	Carpeted Surfaces	Metal Scraps on Floor	Excessive Heat	Excessive Cold	Harsh Chemicals or Moisture	Electrostatic Discharge
■	■			■				■	

Bearing Selection
POLYOLEFIN

MACHINED BALL

ROLLER



Load Capacity: 150 to 700 lbs.

Quality Features



POLYOLEFIN

Diameter	Tread Width	Hub Length	Bearing	Bore, w/ Bearing	Bore, less bearing	Load Capacity	Part Number	Series Used In
2	7/8	3/4	BALL	3/8	29/32	200	W-32-XPO	30
		1 1/16	PLAIN	5/16	5/16	150	W-52-BPO	50
2 1/2	1 3/8	1 1/2	PLAIN	1/2	1/2	225	W-62 1/2-BPO	60, 60SS
		1 5/8	BALL	3/8	1-1/8	300	W-62 1/2-XPO	60
3	1	1 1/16	PLAIN	5/16	5/16	200	W-53-BPO	50, 50SS
	1 3/8	1 1/2	PLAIN	1/2	1/2	240	W-63-BPO	60, 60SS
		1 5/8	BALL	3/8	1-1/8	300	W-63-XPO	60
	1 13/16	1 7/8	ROLLER	5/8	1-3/16	500	W-63-TPO	80
3 1/2	1 3/8	1 1/2	PLAIN	1/2	1/2	265	W-63 1/2-BPO	60, 90, 60SS, 90SS
		1 5/8	BALL	3/8	1-1/8	300	W-63 1/2-XPO	60, 90
4	1	1 1/16	PLAIN	5/16	5/16	200	W-54-BPO	50, 50SS
	1 3/8	1 1/2	PLAIN	1/2	1/2	265	W-64-BPO	60, 90, 60SS, 90SS
		1 5/8	BALL	3/8	1-1/8	400	W-64-XPO	60, 90
	1 1/2	1 1/8	PLAIN	1/2	1/2	375	W-74-BPO	70
			ROLLER	5/8	1-3/16	450	W-74-TPO	
	2	2 1/16	PLAIN	3/4	3/4	550	W-104-BPO	A100, A100SS
			ROLLER	3/4	1-3/16	700	W-104-TPO	
5	1	1 1/16	PLAIN	5/16	5/16	200	W-55-BPO	50, 50SS
		1 1/8	PLAIN	1/2	1/2	265	W-65-BPO	60, 90, 60SS, 90SS
	1 3/8	1 1/2	BALL	3/8	1-1/8	400	W-65-XPO	60, 90
		1 5/8	PLAIN	1/2	1/2	540	W-75-BPO	70
			ROLLER	5/8	1-3/16	600	W-75-TPO	
	2	2 1/16	PLAIN	3/4	3/4	650	W-105-BPO	A100, A100SS
			ROLLER	3/4	1-3/16	800	W-105-TPO	
6	1 3/8	1 1/2	PLAIN	1/2	1/2	265	W-66-BPO	60, 60SS
		1 5/8	BALL	3/8	1-1/8	400	W-66-XPO	60
	1 1/2	1 1/8	PLAIN	1/2	1/2	600	W-76-BPO	70
			ROLLER	5/8	1-3/16	600	W-76-TPO	
	2	2 1/16	PLAIN	3/4	3/4	700	W-106-BPO	A100, A100SS
			ROLLER	5/8	1-3/16	800	W-86-TPO	80
			ROLLER	3/4	1-3/16	800	W-106-TPO	A100, A100SS
8	2	2 1/16	PLAIN	3/4	3/4	900	W-108-BPO	A100CS, A100SS
			ROLLER	5/8	1-3/16	900	W-88-TPO	80
				3/4	1-3/16	900	W-108-TPO	A100, A100SS

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**WORLOWIDE
D-I-Y COUNCIL**



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INSTITUTE OF CASTER
MANUFACTURERS



UL
UNDERWRITERS
LABORATORY



MPSM

Diameter	Tread Width	Hub Length	Bearing	Bore, w/ Bearing	Bore, less bearing	Load Capacity	Part Number	Series Used In

WHEELS

Made from high-grade iron castings, these wheels provide the highest load capacity per wheel diameter, are easy to roll, and perform extremely well on rough and chip littered floors that could damage other types of wheels. Tread face is machined concentric to bearing bore for smooth, jolt-free operation. Wheels are designed with heavy rims and extra thick cross sections for maximum strength, high capacity, and long service life.

CAST IRON (Semi-Steel)



Load Capacity: 125 to 5,000 lbs.

Quality Features

- High load capacity.
- Low rolling resistance.
- High impact.
- Long service life.
- Withstands high temperatures.

SPECIFICATIONS

TEMPERATURE RANGE:
-40 to +800°F

HARDNESS DUROMETER:
100-300 Brinell

COLOR:
Natural or
blue painted finish.

Diameter	Tread Width	Hub Length	Bearing	Bore, w/ Bearing	Bore, less bearing	Load Capacity	Part Number	Series Used In
2	3/4	7/8	PLAIN	5/16	—	125	W-9-BCI	9
	1	1 1/8	PLAIN	7/16	—	200	W-52-BCI	50
2 1/2	1	1 1/8	PLAIN	7/16	—	200	W-52 1/2-BCI	50
	1 1/4	1 1/2	PLAIN	1/2	—	400	W-62 1/2-BCI	60
3	1 1/4	1 1/2	PLAIN	1/2	—	400	W-63-BCI	60
	1 3/8	1 1/4	BALL	3/8	1-1/8	800	W-73-XCI	70
			PLAIN	5/8	—	600	W-73-BCI	70
			ROLLER	5/8	1-1/16	600	W-73-TCI	70
1 7/8	2 1/4	ROLLER	5/8	1-3/16	1000	W-103-TCI	20, 80	
3 1/2	1 1/4	1 1/2	PLAIN	1/2	—	400	W-63 1/2-BCI	60
4	1 1/4	1 1/2	PLAIN	1/2	—	400	W-84-BCI	60
	1 3/8	1 1/4	ROLLER	5/8	1-1/16	600	W-74-TCI	70
	1 3/4	2 1/4	ROLLER	5/8	1-3/16	1000	W-104-TCI	80, 20
	2	2 1/4	ROLLER	3/4	1-3/16	1000	342-CI	A100CS, 400, R600

Bearing Selection

PLAIN STEEL BUSHING

ROLLER

TAPERED ROLLER
CUP AND CONE



S

Made from high-grade iron castings, these wheels provide the highest load capacity

CAST IRON (Semi-Steel)

Quality Features

FLOOR MATERIALS & SURFACE CONDITIONS

Limestone, Vinyl, Composition	Concrete, Brick, Ceramic Tile	Hardwood, Wood Block, Planking	Asphalt, Rough Surfaces	Carpeted Surfaces	Metal Scraps on Floor	Excessive Heat	Excessive Cold	Harsh Chemicals or Moisture	Electrostatic Discharge
	■		■		■	■		■	■

Diameter	Tread Width	Hub Length	Bearing	Bore, w/ Bearing	Bore, less bearing	Load Capacity LBS	Part Number	Series Used In
5	1 1/4	1 1/2	BALL	3/8	1-1/8	400	W-65-XCI	60
			PLAIN	5/8	—	400	W-65-BCI	
	1 1/2	1 3/4	ROLLER	5/8	1-1/16	600	W-75-TCI	70
			ROLLER	5/8	1-3/16	1000	W-105-TCI	80, 20
	1 7/8	2 1/4	TAPERED ROLLER	9/16	1-3/8	1000	W-105-YCI	
			ROLLER	3/4	1-3/16	1300	352-CI	A100CS, 400, R600
2 3/16	2 1/8	ROLLER	3/4	1-3/16	1400	W-605-TCI	D600, 4L	
		TAPERED ROLLER	3/4	1-5/8	1400	W-605-YCI		
2 1/2	2 3/4	ROLLER	1	1-9/16	1800	500-5-CI	500, R600	
		TAPERED ROLLER	3/4	—	1800	100-5-CI	R100	
5 3/4	2 1/2	2 3/4	ROLLER	1	1-9/16	3000	662-CI	R600
			TAPERED ROLLER	3/4	—	3000	100-57-CI	R100
6	1 1/4	1 1/2	BALL	3/8	1-1/8	400	W-66-XCI	60
			PLAIN	1/2	—	400	W-66-BCI	
	1 1/2	1 3/4	PLAIN	9/16	—	600	W-76-BCI	70
			ROLLER	5/8	1-1/16	600	W-76-TCI	
	1 7/8	2 1/4	ROLLER	5/8	1-3/16	1000	W-106-TCI	80
			ROLLER	3/4	1-3/16	1600	382-CI	A100CS, 400, R600
	2	2 1/4	TAPERED ROLLER	3/4	—	1600	696-CI	
			ROLLER	3/4	1-3/16	1400	W-606-TCI	D600
	2 3/16	2 1/8	TAPERED ROLLER	3/4	1-5/8	1400	W-606-YCI	
			ROLLER	1	1-9/16	3000	501-6-CI	500, R600
2 1/2	2 3/4	TAPERED ROLLER	3/4	—	3000	100-6-CI	R100, 650	
		ROLLER	1-1/4	2-1/16	5000	W-4008-TCI	4500	
3	3 1/4	TAPERED ROLLER	1-1/4	2-21/64	5000	W-4006-YCI	5200	
		ROLLER	1	1-13/16	3100	551-6-CI	550	
3	3 1/4	TAPERED ROLLER	3/4	—	3100	100-63-CI	R100	
		ROLLER	3/4	1-3/16	1800	382-CI	A100CS, 400, R600	
8	2	2 1/4	ROLLER	5/8	1-1/16	1500	W-88-TCI	80
			ROLLER*	1-1/4	2-1/16	2700	W-608-TBCI	D600
	2 1/4	2 1/8	ROLLER	3/4	1-3/16	2700	W-608-TCI	
			TAPERED ROLLER	3/4	1-5/8	2700	W-608-YCI	
	2 1/2	2 3/4	ROLLER	1	1-9/16	3100	504-8-CI	500
			TAPERED ROLLER	3/4	—	3100	655-8-CI	850
	3	3 1/4	ROLLER	1-1/4	2-1/16	5000	W-4008-TCI	4500
			TAPERED ROLLER	1-1/4	2-21/64	5000	W-4008-YCI	5200
	3	3 1/4	TAPERED ROLLER	1-1/4	—	6000	120-8-CI	R120, 800
			ROLLER	3/4	—	4000	100-8-CI	R100, R110
4	4 1/4	TAPERED ROLLER	1-1/4	—	4000	126-8-CI	R110, R120	
		ROLLER	1	1-15/16	3300	507-10-CI	500	
10	2 1/2	2 3/4	TAPERED ROLLER	3/4	—	3300	656-10-CI	650
			ROLLER	1-1/4	2-1/16	5000	W-4010-TCI	4500
	2 3/4	3 1/4	TAPERED ROLLER	1-1/4	2-21/64	5000	W-4010-YCI	5200
			ROLLER	1	1-13/16	4000	557-10-CI	800
	3	3 1/4	TAPERED ROLLER	1-1/4	—	6000	120-10-CI	R120, 800
			ROLLER	3/4	—	4000	100-10-CI	R100, R110
	4	4 1/4	TAPERED ROLLER	1-1/4	—	4200	126-10-CI	R120

WHEELS

HIGH STRENGTH METAL WHEELS

Load Capacity: 2,000 to 10,000 lbs.



DROP FORGED STEEL WHEEL

Quality Features

- High load capacity.
- Low rolling resistance.
- Resists severe impact.
- Long service life.
- Withstands high temperatures.

Virtually indestructible, these wheels are made from the highest-grade drop forged steel for ultimate strength and load carrying capacity. Wheel faces are machined concentric with bearing bore for smooth, even rotation at all times. Heavily sectioned rims and solid web design assure years of trouble free service.

DROP FORGED STEEL

Diameter	Tread Width	Hub Length	Bearing	Bore, w/ Bearing	Bore, less bearing	Load Capacity	Part Number	Series Used In
5³/₄	1³/₄	2³/₄	ROLLER	1	1-3/4	3000	663-FS	R600, 800
			TAPERED ROLLER	3/4	1-25/32	3000	695-FS	695
6	2	2³/₄	TAPERED ROLLER	3/4	1-25/32	2000	651-6-FS	650
7	3	3³/₄	TAPERED ROLLER	1-1/4	2-21/64 to 2-7/8	2500	120-7-FS	R120
8	2	3³/₄	TAPERED ROLLER	3/4	1-25/32	3500	110-82-FS	SPECIAL
	3	3³/₄		1-1/4	2-21/64 to 2-7/8	120-8-FS	R120	
				3/4	1-25/32	5500	110-8-FS	R110

SPECIFICATIONS

TEMPERATURE RANGE:
Drop Forged: -60 to 800°F

HARDNESS DUROMETER:
Drop Forged: 195-200 Brinell

COLOR:
Natural metal finish.

FLOOR MATERIALS & SURFACE CONDITIONS

Linoelam, Vinyl, Composition	Concrete, Brick, Ceramic Tile	Hardwood, Wood Block, Planking	Asphalt, Rough Surfaces	Carpeted Surfaces	Metal Scraps on Floor	Excessive Heat	Excessive Cold	Harsh Chemicals or Moisture	Electrostatic Discharge
	■		■		■	■	■	■	■

Bearing Selection

HIGH STRENGTH METAL WHEELS

ROLLER

TAPERED ROLLER
CUP AND CONE



Load Capacity: 2,000 to 10,000 lbs.

Quality Features



STAINLESS STEEL

Load Capacity: 200 to 1,000 lbs.



Quality Features

- High corrosion protection.
- Low rolling resistance.
- High impact.
- Long service life.
- Withstands high temperatures.

Made from 100% type 303 stainless steel bar, these wheels offer the highest degree of sanitation and corrosion protection. Wheels are machined with a hub projection on each side and with a slightly crowned tread face for easy mobility and floor protection.

WHEELS

SPECIFICATIONS

TEMPERATURE RANGE:
-80° to 800° F

HARDNESS DUROMETER:
145-160 Brinell

COLOR:
Natural stainless steel.

STAINLESS STEEL BUSHING



FLOOR MATERIALS & SURFACE CONDITIONS

Limestone, Vinyl, Composition	Concrete, Brick, Ceramic Tile	Hardwood, Wood Block, Planking	Asphalt, Rough Surfaces	Carpeted Surfaces	Metal Scraps on Floor	Excessive Heat	Excessive Cold	Harsh Chemicals or Moisture	Electrostatic Discharge
	■		■		■	■	■	■	■

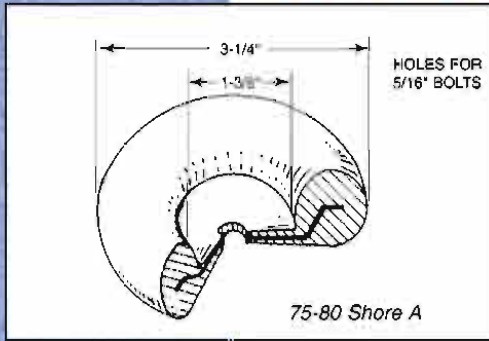
Diameter	Tread Width	Hub Length	Bearing	Bore, w/ Bearing	Bore, less bearing	Load Capacity	Part Number	Series Used In
2	1	1	PLAIN	5/16	7/16	200	W-51-BSS	50SS
2½	1	1	PLAIN	5/16	7/16	200	W-52 1/2-BSS	50SS
	1¼	1½		3/8	1/2	400	W-62 1/2-BSS	60SS
3	¾	1	PLAIN	5/16	7/16	200	W-53-BSS	50SS
	1¼	1½		3/8	1/2	400	W-63-BSS	60SS
3½	7/8	1½	PLAIN	3/8	1/2	400	W-63 1/2-BSS	60SS
4	7/8	1	PLAIN	5/16	7/16	200	W-54-BSS	50SS
	1¼	1½		3/8	1/2	400	W-64-BSS	60SS
	1½	1%		1/2	¾	600	W-74-BSS	70
	2	2%		1/2	¾	1000	W-104-BSS	A100SS
5	7/8	1	PLAIN	5/16	7/16	200	W-55-BSS	50SS
	1¼	1½		3/8	1/2	400	W-65-BSS	60SS
	1½	1%		1/2	¾	600	W-75-BSS	70
	2	2%		1/2	¾	1000	W-105-BSS	A100SS
6	1½	1%	PLAIN	1/2	¾	600	W-76-BSS	70
	2	2%		1/2	¾	1000	W-106-BSS	A100SS
	1½	1%		1/2	¾	600	W-78-BSS	70

STAINLESS STEEL

Quality Features

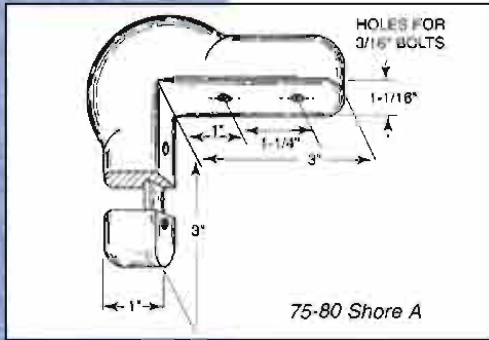
Made from 100% type 303 stainless steel bar, these wheels offer the highest degree of sanitation and corrosion protection.

DOUGHNUT AND CORNER BUMPERS



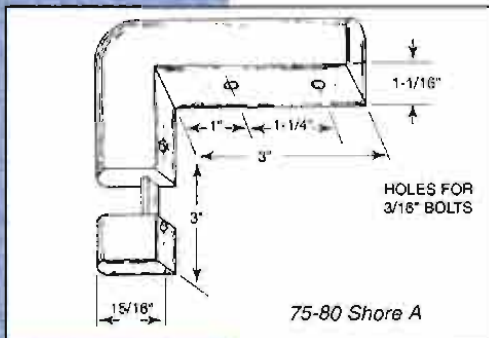
A-813 Doughnut

Commonly installed on the ends of tubular handles to give needed protection in manipulation of equipment. Note steel insert. Attached to wood with wood screws or to metal with rivets, bolts or metal screws. Weight: 6 oz. each.



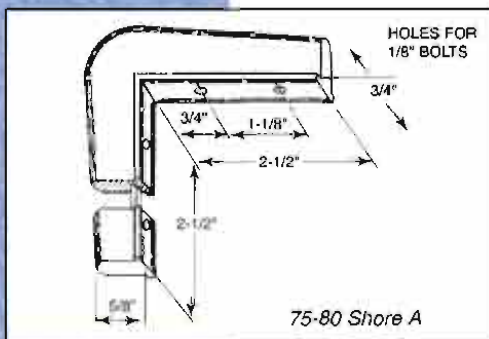
A-833 Corner

Made to give adequate protection to all surfaces that may be contacted, such as doors, door-facings, walls, furniture and other equipment. Easily attached by using self-tapping sheet metal screws. Weight: 6 oz. each.



A-1676 Corner

Made especially for use with A-567 Strip Bumper, giving a uniform continuous effect all around the equipment. Weight: 5 oz. each.

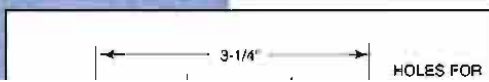


A-2680 Corner

Made especially for use with A-1541 Strip Bumper, giving a uniform continuous effect all around the equipment. Weight: 5 oz. each.



DOUGHNUT AND CORNER BUMPERS



A-813 Doughnut

Commonly installed on the

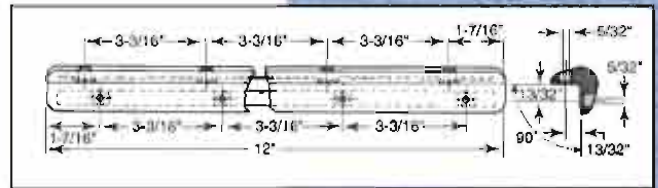


STRIP BUMPERS



Model 4925

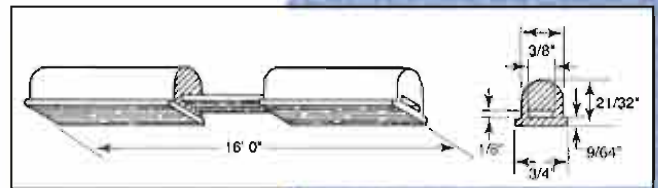
Molded strip corner bumper 12" long, for application to any right angle shape. Easily installed with self-tapping metal screws. Weight: 8 oz. each.



Model A-1541

Popular small-sized strip bumper that is adaptable to many applications. This model is easily applied to equipment. Metal insert optional. Weight: 4 oz./ft. Use with A-2680

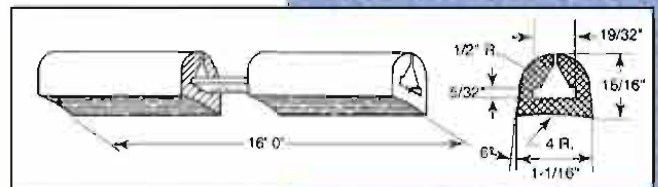
Maximum Length 16 ft. w/insert



Model A-2084

Flat based rubber strip bumper designed for same use as A-567. With split top for easier installation. Metal insert optional. Weight: 9 oz./ft. Use with A-1676

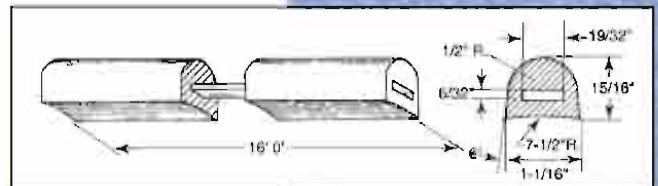
Maximum Length 16 ft. w/insert



Model A-567

Flat based rubber strip designed for installation on either metal or wood surfaces. Easily applied and does not require a special channel. Metal insert optional. Weight: 9 oz./ft. Use with A-1676

Maximum Length 16 ft. w/insert



STRIP BUMPERS

BUMPERS

ROUND TUBING



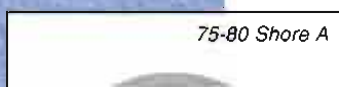
3" OUTSIDE DIA.	INSIDE THICKNESS	OUTSIDE THICKNESS	PART NUMBER
5/8" Dia. I.D.	15/16"	15/16"	A-8400
3/4" Dia. I.D.	15/16"	15/16"	A-8401
7/8" Dia. I.D.	15/16"	15/16"	A-8402
1" Dia. I.D.	15/16"	15/16"	A-8403
1-1/4" Dia. I.D.	15/16"	15/16"	A-8404
WEIGHT: 3 OZ. EACH			
5" OUTSIDE DIA.	INSIDE THICKNESS	OUTSIDE THICKNESS	PART NUMBER
1" Dia. I.D.	1-1/8"	5/8"	A-2270
1-1/4" Dia. I.D.	1-1/8"	5/8"	A-2274
1-1/2" Dia. I.D.	1-1/8"	5/8"	A-2275
1.9" Dia. I.D.	1-1/8"	5/8"	A-2276
WEIGHT: 12 OZ. EACH			

SQUARE TUBING



3" OUTSIDE DIA.	INSIDE THICKNESS	OUTSIDE THICKNESS	PART NUMBER
7/8" Dia. I.D.	15/16"	15/16"	A-8409
1" Dia. I.D.	15/16"	15/16"	A-8410
WEIGHT: 4 OZ. EACH			
5" OUTSIDE DIA.	INSIDE THICKNESS	OUTSIDE THICKNESS	PART NUMBER
1" Dia. I.D.	1-13/16"	5/8"	A-7668
1-1/4" Dia. I.D.	1-13/16"	5/8"	A-4953
1-1/2" Dia. I.D.	1-13/16"	5/8"	A-2272
1-5/8" Dia. I.D.	1-13/16"	5/8"	A-5375
1-3/4" Dia. I.D.	1-13/16"	5/8"	A-6147
2" Dia. I.D.	1-13/16"	5/8"	A-2273
WEIGHT: 12 OZ. EACH			

ROUND TUBING

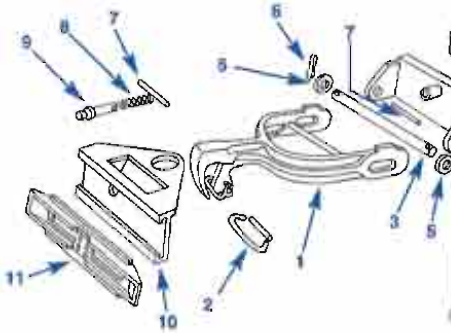


3" OUTSIDE DIA.	INSIDE THICKNESS	OUTSIDE THICKNESS	PART NUMBER
5/8" Dia. I.D.	15/16"	15/16"	A-8400
3/4" Dia. I.D.	15/16"	15/16"	A-8401

BUMPERS

HOOK & EYE

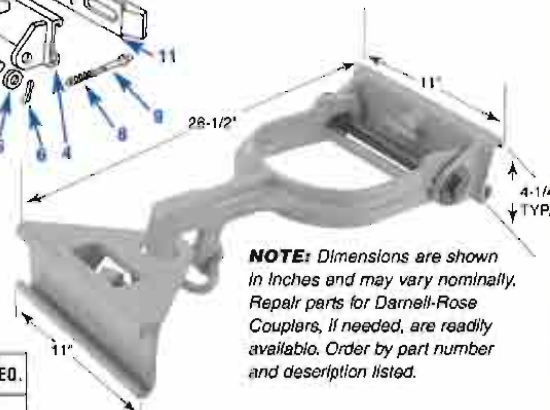
726 Medium Duty Slip-On Coupler 1200 lbs. Drawbar Pull



HOOK ASSEMBLY - Part #726-A - WT. 26#

ITEM NO.	DESCRIPTION	PART NO.	NO. REQ.
1	Hook with Brace & Latch	880	1
2	Safety Latch	1943	1
3	Shaft	1395-1*	1
4	Mounting Bracket	1984	1
5	Washer	1518	2
6	Cotter Pin 3/16x1-1/2	02967	2
7	Plunger Handle	2643	1
8	Plunger Spring	2644	1
9	Plunger	869	1

* 1395-15X optional bolt kit. Includes grade 5 bolt, slotted hex nut, 2 flat washers, 1 cotter pin.

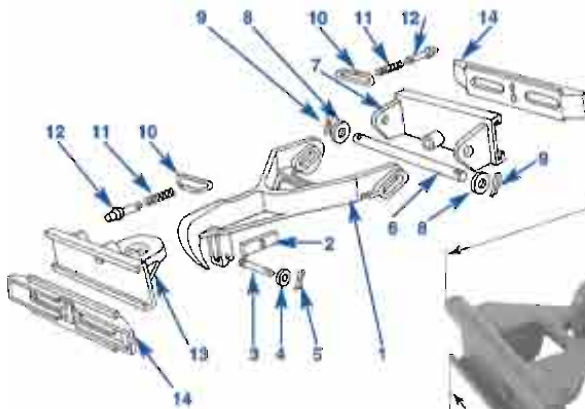


NOTE: Dimensions are shown in inches and may vary nominally. Repair parts for Darnell-Rose Couplers, if needed, are readily available. Order by part number and description listed.

EYE ASSEMBLY - Part #726-B - WT. 10-1/4#

ITEM NO.	DESCRIPTION	PART NO.	NO. REQ.
7	Plunger Handle	2643	1
8	Plunger Spring	2644	1
9	Plunger	869	1
10	Eye	1983	1
11	DRAWBAR - WT. 4-1/2# (not included with coupler)	367	2

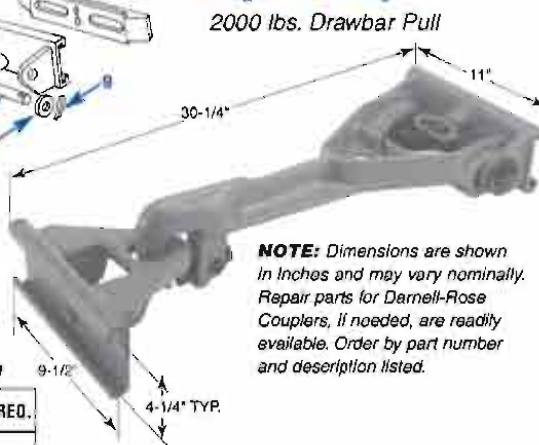
All hooks are available with Poly Noise Abatement option.



HOOK ASSEMBLY - Part #ZB-97-A - WT. 36#

ITEM NO.	DESCRIPTION	PART NO.	NO. REQ.
1	Hook	1914	1
2	Safety Latch	2634	1
3	Clevis Pin	2468	1
4	Washer	3/8x7/8	1
5	Cotter Pin 1/8x1-1/4	02965	1
6	Shaft	2635*	1
7	Mounting Bracket	2638	1
8	Washer	1518	2
9	Cotter Pin 3/16x1-1/2	02967	2
10	Plunger Handle	2639	1
11	Plunger Spring	2640	1
12	Plunger	2641	1

ZB-97 Heavy Duty Slip-On Coupler 2000 lbs. Drawbar Pull



NOTE: Dimensions are shown in inches and may vary nominally. Repair parts for Darnell-Rose Couplers, if needed, are readily available. Order by part number and description listed.

EYE ASSEMBLY - Part #ZB-97-B - WT. 15#

ITEM NO.	DESCRIPTION	PART NO.	NO. REQ.
10	Plunger Handle	2639	1
11	Plunger Spring	2640-DM	1
12	Plunger	2641	1
13	Eye with Bracket	2642	1
14	DRAWBAR - WT. 4-1/2# (not included with coupler)	367	2

Draw bar plates, which are normally bought in pairs when ordered with a complete set, weld to end rail of trailer frame. They permit couplers to slide on and off by engaging spring loaded plunger. Because of this feature Darnell-Rose Slip-On Couplers do not sit idle, but can be utilized on active rolling stock.

HOOK & EYE

726 Medium Duty Slip-On Coupler 1200 lbs. Drawbar Pull



Darnell-Rose COUPLERS... when worker safety and uninterrupted service are the main criteria.

Unlike so-called "economy" couplers fabricated of mild steel weldments, Darnell-Rose Industrial Couplers are made from high strength cast steel and are protected from accidentally coupling uncoupled by the incorporation of a unique safety latch. Each of the Darnell-Rose Hook & Eye Couplers is also designed for "out-of-the-way" vertical storage when not in use — another safety feature which can eliminate tripping accidents.

All Darnell-Rose Couplers — including our automatic — are of rugged design, generously braced and gusseted for maximum strength and reinforcement at stress points. Hook and Eye units are available in either a "Weld-On" configuration or "Slip-On" design, which helps reduce capital outlay on large trailer train systems.

Darnell-Rose Couplers, like our Casters and Wheels, have proven themselves through many years of continual service to automotive manufacturers and other tough industrial applications.

You can pay less, and quite often a lot more, but with a Darnell-Rose Coupler you have the confidence that you are using the very best. For dependability and ultimate, there is but one name in industrial couplers — Darnell-Rose!

FINISH: ALL DARNELL-ROSE COUPLERS, HOOKS AND EYES ARE PAINTED IN HIGHLY VISIBLE "SAFETY ORANGE"

Darnell-Rose Couplers... when worker safety and uninterrupted service are the main criteria.

Unlike so-called

COUPLERS

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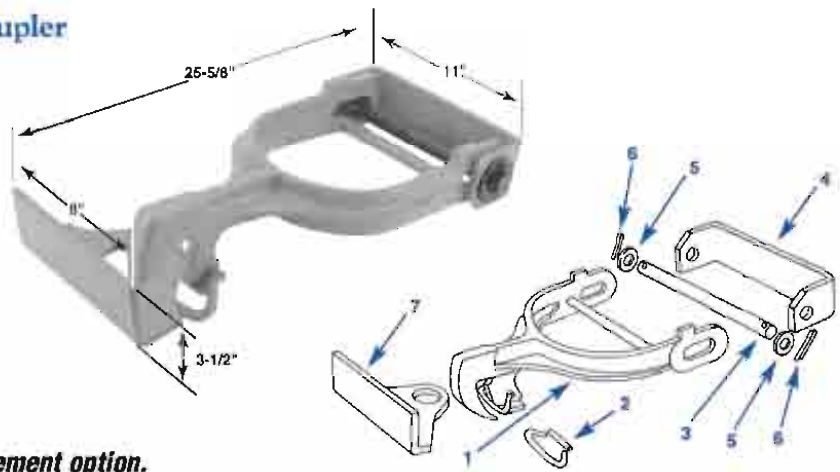
T-31-2 Medium Duty Weld-On Coupler

1200 lbs. Drawbar Pull

HOOK ASSEMBLY - PART #T-31-2-A - WT. 26#

ITEM NO.	DESCRIPTION	PART NO.	NO. REQ.
1	Hook with Brace & Latch	880	1
2	Safety Latch	1943	1
3	Shaft	1395-1*	1
4	Mounting Bracket	1395-2	1
5	Washer	1518	1
6	Cotter Pin 3/16x1-1/2	02967	2
7	EYE - WT. 8#	1848	1

* 1395-1BK optional bolt kit, includes grade 5 bolt, slotted hex nut, 2 flat washers, 1 cotter pin.



All hooks are available with Poly Noise Abatement option.

ZB-94 & ZB-98 Heavy Duty Weld-On Coupler

2000 lbs. Drawbar Pull - Noise Abate #1

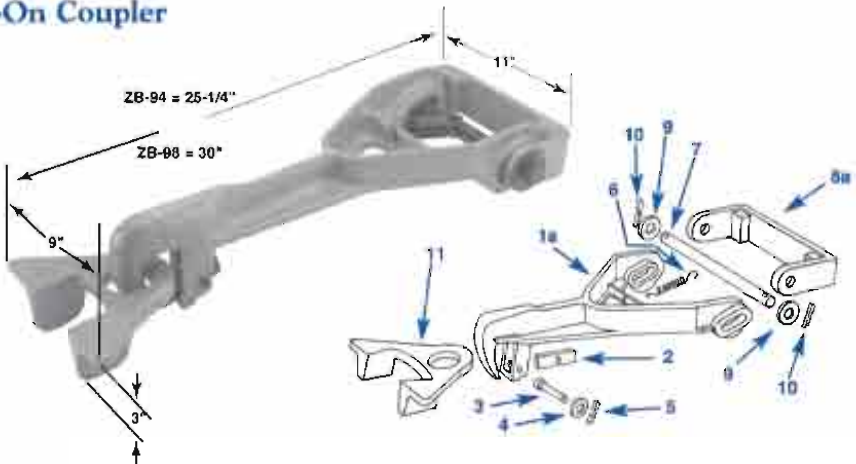
HOOK ASSEMBLY - WT. 34#

(Add 2 lbs. for 24\" hook.)

ITEM NO.	DESCRIPTION	PART NO.	NO. REQ.
1a	24\" Hook	1914	1
1b	18\" Hook	1870	1
2	Safety Latch	2634	1
3	Clevis Pin	2468	1
4	Washer	3/8x7/8	1
5	Cotter Pin 1/8x1-1/4	02965	1
6	Spring	1889	1
7	Shaft	2636*	1
8a	Standard Mounting Bracket	2637	1
8b	Modified Mounting Bracket**	2636	1
9	Washer	1518	2
10	Cotter Pin 3/16x1-1/2	02967	2
11	EYE - WT. 6#	1747	1

* 2636BK optional bolt kit, includes grade 5 bolt, slotted hex nut, 2 flat washers, 1 cotter pin.

** Optional Modified Mounting Bracket prohibits hook from contacting floor.



Please use appropriate suffix when ordering complete couplers or hook assemblies.

Complete Couplers	Hook Assemblies (only) with bracket
ZB-94	ZB-94-A Supplied with 1b and 8a
ZB-94-M	ZB-94-AM Supplied with 1b and 6b
ZB-98	ZB-98-A Supplied with 1a and 8a
ZB-98-M	ZB-98-AM Supplied with 1a and 8b

FINISH: ALL DARNELL-ROSE COUPLERS, HOOKS AND EYES ARE PAINTED IN HIGHLY VISIBLE "SAFETY ORANGE"

1735 Automatic Coupler

2000 lbs. Drawbar Pull - Noise Abate #2



All hooks are available with Poly Noise Abatement option.

JAW ASSEMBLY - PART #39 - WT. 29#

ITEM NO.	DESCRIPTION	PART NO.	NO. REQ.
8	Jaw	670	1
7	Latch with Bar	1844-2	1
9	Spring Guide	1844-3	1
10	Spring	1844-4	1
11	Shaft	3266	1
12	Cotter Pin 3/16x1-1/2	02967	2

NOTE: Dimensions are shown in inches and may vary nominally. Repair parts for Darnell-Rose Couplers, if needed, are readily available. Order by

HOOK ASSEMBLY - PART #T-31-2-A - WT. 26#

ITEM NO.	DESCRIPTION	PART NO.	NO. REQ.
1	Hook with Brace & Latch	880	1





DARNELL-ROSE

division  Evans Industries, Inc.

LIMITED 3 YEAR WARRANTY

DARNELL-ROSE DIVISION of EVANS INDUSTRIES, INC., (hereinafter, the "SELLER"), hereby warrants to the original Purchaser, (hereinafter, the "PURCHASER"), that every standard product manufactured by SELLER (hereinafter, the "PRODUCT"), is free from defects in material and workmanship under normal use and service for which the PRODUCT it was intended for a period of 3 years after the date of SELLER'S invoice to PURCHASER if, but only if, the PRODUCT has been properly installed and maintained.

SELLER'S sole obligation under this Limited Warranty is limited to replacing or repairing, free of charge, F.O.B. point of manufacture, any defective PRODUCT manufactured by SELLER which is returned to SELLER at either Detroit, Michigan or City of Industry, California. All transportation and shipping shall be borne solely and exclusively by PURCHASER.

SELLER does not warrant any item, article, device, part or component to which the PRODUCT may be attached, affixed or installed into or on, nor does this Limited Warranty apply to PRODUCTS manufactured or constructed to designs and/or specifications supplied by PURCHASER.

PURCHASER must notify SELLER in writing within thirty (30) days after the discovery of any defect in material or workmanship, but not later than the limited warranty period; otherwise, all warranty claims shall be deemed waived. No PRODUCT shall be returned to SELLER without first obtaining a return authorization from SELLER'S Quality Control Department. No allowance, repairs or replacements will be made or granted for any alternations or repairs made to any PRODUCT by PURCHASER without SELLER'S prior written consent.

This Limited Warranty shall not apply to any PRODUCT which has been altered or repaired without SELLER'S written consent, or altered in any way so as, in the judgement of SELLER, to affect adversely the stability, reliability, use or function of the PRODUCT, or to any PRODUCT which has been the subject of misuse, abuse, improper installation, improper maintenance, improper lubrication, exposure to caustic or corrosive elements or fluids, negligence, neglect, or accident, or to any PRODUCT which has been used or operated for services and uses for

which it was not intended or designed, including, but not limited to, high speeds, excessive weight and loads, and rough floors or surfaces.

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