

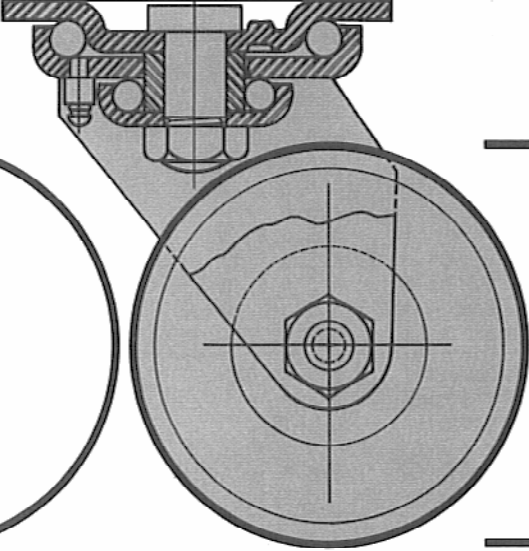
Bona[®]

CASTERS AND WHEELS

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Bond

HIGH PERFORMANCE CASTERS AND WHEELS

This Catalog . . .

provides application information and specifications on the most comprehensive line of modern casters currently available. The diversity of the Bond line will enable the OEM engineer and the plant engineer to select casters or wheels to meet the wide variety of environments, floor surfaces and working conditions found in industries of all types. All products are described physically and functionally with specifications, dimensions and optional features and equipment fully detailed.

AS A BOND CUSTOMER we can promise you:

Service . . . your Bond Distributor carries a local inventory of Bond casters and wheels along with a thorough knowledge of caster application and a willingness to share these values with you.

Quality . . . Bond levels of quality are an accepted industry standard, reflected in every caster and wheel offered for your consideration.

Support . . . after the sale. You'll find our field representatives and distributor personnel willing aids in seeing to your continued satisfaction with Bond Casters and Wheels.



BOND FOUNDRY & MACHINE COMPANY
230 S. PENN ST. / MANHEIM, PA. 17545

INDEX OF *Bond* CASTERS

CASTER SERIES	TYPE OF SERVICE	AVAILABLE WHEELS AND DIAMETERS (inches)	CAPACITY RANGE (lbs.)	PAGE
Swivel 40-A Rigid 41-A	MEDIUM HEAVY DUTY Used for manual or low speed power operations. Movable racks and equipment, fixtures, utility trucks, conveyor or drag line trucks are typical applications.	Semi-Steel 4, 5, 6, 8, 10 V-Grooved 4, 5, 6, 8 Solid Rubber ST 4, 5, 6 Solid Rubber HT 4, 5, 6 Bondcelon 4, 5, 6, 8 Vulc-On G1, G3 4, 5, 6, 8, 10 Vulc-On G2 4, 5, 6, 8, 10 Bonduthane 4, 5, 6, 8, 10 Bondrelene 4, 5, 6	550-1500 550-1500 225-400 400-560 550-1500 200-790 400-1340 550-1500 450-650	10
Swivel 40-A-MH Rigid 41-A-MH	HEAVY DUTY For manually moved heavy loads or heavy medium duty powered service.	Semi-Steel 5, 6, 8, 10 V-Grooved 5, 6, 8, 10 Bondcelon 6, 8, 10 Vulc-On G1, G3 5, 6, 8, 10 Vulc-On G2 5, 6, 8, 10 Bonduthane 5, 6, 8, 10	2000-2500 2000-2500 1600-2500 470-1000 940-2000 1300-2500	12
Swivel 40-A-H Rigid 41-A-H	EXTRA HEAVY DUTY Used for heavy duty power drawn equipment, heavy production fixtures, heavy duty machinery dollies and similar applications.	Semi-Steel 8, 10, 12 V-Grooved 8, 10 Bondcelon 8, 10, 12 Vulc-On G1, G3 8, 10, 12 Vulc-On G2 8, 10, 12 Bonduthane 8, 10, 12	4000-4500 4000-4250 2500-3500 840-1140 1680-2280 2500-3500	14
Swivel 42-A Rigid 43-A	MEDIUM DUTY A full range of wheel types will meet a wide range of factory, warehouse, and equipment needs. Top plate measures 6¼" x 5" with slotted bolt holes.	Semi-Steel 4, 5, 6, 8 V-Grooved 4, 5, 6 Solid Rubber ST 5, 6 Solid Rubber HT 5, 6 Bondcelon 4, 5, 6, 8 Vulc-On G1, G3 4, 5, 6, 8 Vulc-On G2 4, 5, 6, 8 Bonduthane 4, 5, 6, 8 Bondrelene 4, 5, 6, 8	700-900 700-900 250-400 425-560 700-900 300-500 600-900 700-900 500-700	16
Swivel 44-A Rigid 45-A	MEDIUM DUTY This series features a 6½" x 4" top plate with slotted bolt holes. Used for general warehouse trucks, factory trucks, bins, racks etc.	Semi-Steel 4, 5, 6, 8 V-Grooved 4, 5, 6 Solid Rubber ST 5, 6 Solid Rubber HT 5, 6 Bondcelon 4, 5, 6, 8 Vulc-On G1, G3 4, 5, 6, 8 Vulc-On G2 4, 5, 6, 8 Bonduthane 4, 5, 6, 8 Bondrelene 4, 5, 6, 8	700-900 700-900 250-400 425-560 700-900 300-500 600-900 700-900 500-700	18
Swivel 46-A Rigid 47-A	LIGHT MEDIUM and MEDIUM DUTY An economical caster with superior swivel design. Ideal for manually moved loads in institutional and commercial operations.	Semi-Steel 4, 5, 6, 8 Solid Rubber ST 4, 5, 6 Solid Rubber HT 4, 5, 6 Bondcelon 4, 5, 6, 8 Vulc-On G1, G3 4, 5, 6, 8 Vulc-On G2 4, 5, 6, 8 Bonduthane 4, 5, 6, 8 Bondrelene 4, 5, 6, 8	500-575 225-400 400-560 550-575 350-500 550-575 550-575 500-575	20
Swivel 48-A Rigid 49-A	MEDIUM DUTY This caster series is used on a variety of portable equipment, warehouse trucks and dollies, portable racks, shelving as well as for light duty tow-line trucks.	Semi-Steel 4, 5, 6, 8 V-Grooved 4, 5, 6 Solid Rubber ST 5, 6 Solid Rubber HT 5, 6 Bondcelon 4, 5, 6, 8 Vulc-On G1, G3 4, 5, 6, 8 Vulc-On G2 4, 5, 6, 8 Bonduthane 4, 5, 6, 8 Bondrelene 4, 5, 6, 8	700-900 700-900 250-400 425-560 700-900 300-500 600-900 700-900 500-700	22
Swivel 50-A Rigid 51-A	LIGHT, LIGHT MEDIUM DUTY For institutional and commercial applications, smooth floors, manual operation.	Semi-Steel 2, 2½, 3, 4, 5, 6 V-Grooved 4, 5, 6 Solid Rubber ST 2, 2½, 3, 4, 5, 6 Solid Rubber HT 2, 2½, 3, 4, 5, 6 Bondcelon 3, 4, 5, 6 Vulc-On G1, G3 4, 5, 6 Vulc-On G2 4, 5, 6 Bondrelene 2, 2½, 3, 4, 5, 6	125-650 450-650 75-400 100-560 300-650 200-340 400-650 100-650	24

INDEX OF *Bond* CASTERS

CASTER SERIES	TYPE OF SERVICE	AVAILABLE WHEELS AND DIAMETERS (inches)	CAPACITY RANGE (lbs.)	PAGE
Swivel 52-A Rigid 51-A	LIGHT MEDIUM and MEDIUM DUTY Heavy office and institutional equipment and light industrial applications.	Semi-Steel 2½, 3, 4, 5, 6 V-Grooved 4, 5, 6 Solid Rubber ST 2½, 3, 4, 5, 6 Solid Rubber HT 2½, 3, 4, 5, 6 Bondcelon 3, 4, 5, 6 Vulc-On G1, G3 4, 5, 6 Vulc-On G2 4, 5, 6 Bonduthane 4, 5, 6 Bondrelene 2½, 3, 4, 5, 6	225-700 500-700 110-400 175-560 350-700 200-340 400-680 500-700 175-650	26
Swivel 72-A Rigid 73-A	EXTRA HEAVY DUTY Trailer casters, Mercury type, designed especially for power drawn applications.	Semi-Steel 8, 10, 12 Bondcelon 8, 10, 12 Vulc-On G1, G2 8, 10, 12 Vulc-On G2 8, 10, 12 Bonduthane 8, 10, 12	2500-4000 2500-4000 840-1600 1680-3200 2500-4000	28
Swivel 74-A Rigid 75-A	EXTRA HEAVY DUTY Trailer casters, designed especially for power drawn applications.	Semi-Steel 8, 10, 12 Bondcelon 8, 10, 12 Vulc-On G1, G3 8, 10, 12 Vulc-On G2 8, 10, 12 Bonduthane 8, 10, 12	2500-4000 2500-4000 840-1600 1680-3200 2500-4000	30
Swivel 76-A Rigid 77-A	DUAL WHEEL, EXTRA HEAVY DUTY For heavy duty trailer applications where floor protection or limited height are important factors.	Semi-Steel 8, 10, 12 Bondcelon 8, 10, 12 Vulc-On G1, G3 8, 10, 12 Vulc-On G2 8, 10, 12 Bonduthane 8, 10, 12	4000 4000 1680-2280 3360-4000 4000	32
Swivel 78-A Rigid 79-A	SUPER DUTY Precision bearing casters for extra high capacity demands.	Semi-Steel 8, 10, 12 V-Grooved 8, 10 Bondcelon 8, 10, 12 Vulc-On G1, G3 8, 10, 12 Vulc-On G2 8, 10, 12 Bonduthane 8, 10, 12	6000 6000 2500-6000 1000-1600 2000-3200 2500-4800	34
Swivel 80-A Rigid 79-A	SUPER DUTY For extra high capacity power drawn applications.	Semi-Steel 8, 10, 12 V-Grooved 8, 10 Bondcelon 8, 10, 12 Vulc-On G1, G3 8, 10, 12 Vulc-On G2 8, 10, 12 Bonduthane 8, 10, 12	6000 6000 2500-6000 1000-1600 2000-3200 2500-4800	36
Swivel 82-A Rigid 83-A	VERY HEAVY DUTY High capacity, low profile for rugged in-plant service.	Semi-Steel 3, 4	1500	38
Swivel 3-A Rigid 1-A	LIGHT MEDIUM DUTY Cast semi-steel, rugged and economical. Ideal for high temperature applications when used with semi-steel wheel.	Semi-Steel 2, 2½, 3, 3½, 4, 5, 6 Solid Rubber ST 2, 2½, 3, 4, 5, 6 Solid Rubber HT 2, 2½, 3, 4, 5, 6	150-350 75-300 125-350	39
Swivel 36-A Rigid 1-A	MEDIUM DUTY For rugged service in factories and industrial plants. Cast semi-steel construction.	Semi-Steel 4, 5, 6, 8 V-Grooved 4, 5, 6, 8 Solid Rubber ST 4, 5, 6 Solid Rubber HT 4, 5, 6 Bondcelon 4, 5, 6, 8 Vulc-On G1, G3 4, 5, 6, 8 Vulc-On G2 4, 5, 6, 8 Bonduthane 4, 5, 6, 8	600-1500 600-1500 225-400 400-560 600-1500 200-670 400-1340 600-1500	40
V-GROOVED WHEEL	LIGHT TO SUPER DUTY For positive direction control.	Available in 12 Bond caster series with 4" to 10" wheel diameters.	450-6000	42
Swivel 42-J	SCAFFOLD CASTERS Full selection of wheels for any floor surface.	Semi-Steel 5, 6, 8 V-Grooved 5, 6 Solid Rubber ST 5, 6 Solid Rubber HT 5, 6 Bondcelon 5, 6, 8 Vulc-On G1, G3 5, 6, 8 Vulc-On G2 5, 6, 8 Bonduthane 5, 6, 8 Bondrelene 5, 6, 8	900 900 250-400 425-560 900 400-500 800-900 900 600-700	44

TYPES OF WHEELS



Semi-Steel Page 46
These wheels should be used where load carrying capacity and ease of rolling are the primary considerations and floor protection is secondary. They are excellent for high temperature applications. Semi-Steel wheels are cast iron enriched with steel to provide a high strength, tough, abrasion resistant high capacity wheel.



V-Grooved Page 50
These are cast semi-steel with a heavy cross section for maximum load carrying capacity. They are used on inverted angle iron track. They provide an inexpensive means of guiding and moving production or assembly line fixtures and dollies. They are excellent through ovens and other confined areas.



Solid Rubber Page 52
These are precision molded units of high grade rubber. They are available with either soft or hard tread.
Soft Tread—A soft cushion tread is permanently molded to a hard rubber core providing maximum floor protection and quiet operation.
Hard Tread—Composed entirely of hard rubber they provide higher capacity and easier rolling than the soft tread.



Bondeslon Page 53
These high capacity wheels are resistant to water, oils, grease, animal fats and commonly used acids and detergents. They also perform well at high temperature. They are made of macerated fabric, impregnated with phenolic resin and molded under high pressure and heat to form a high density, tough, high capacity, low cost wheel.



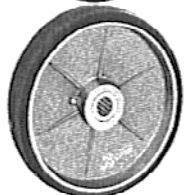
Vulc-On Page 58
A thick cushion tread of natural rubber, molded to a cast iron wheel center to provide a quiet-running, floor protective wheel for heavier duty service than the solid rubber wheel. Available with soft tread (G1) durometer 75, hard tread (G2) durometer 95, and Neoprene (G3) for use in contact with oils, acids, animal fats, etc.



Bonduthane Page 60
Easy rolling and quiet running on any floor surface and are ideally suited for both manual or powered operations. They are the most durable and versatile of all of the floor protective wheels. Bonduthane offers 5 to 10 times the service life of rubber tread wheels. Excellent temperature range.



Bondrelene Page 64
Easy starting and easy rolling, these non-marking, stain resistant wheels are impervious to grease, oil, gasoline, cooking fats and most acids. May be steam cleaned. Low in cost.



Aluminum Center Pages 59 and 63
These wheels are available with either polyurethane tread (symbol AU) or rubber tread (symbol AR). They provide an outstanding capacity to weight ratio. Rubber tread wheels are low profile and are available in all three Vulc-On tread materials.

This chart provides the basis for a general comparison of Bond wheels and should not be interpreted as a specific recommendation for any surface or operating condition

FLOORS	Asphalt
	Brick or tile
	Concrete
	Composition or vinyl tile
	Ribbed steel
	Smooth steel
	Terrazo
	Wood block
OPERATING CONDITION	Water
	Oil, grease
	Animal fats
	Industrial chemicals
	Low temperature (-20°)
CHARACTERISTICS	High temperature (160°+)
	Floor protection
	Ease of rolling
	Quiet operation
	Resiliency
Shock resistance	
Abrasion resistance	
Relative capacity	

Also Available Heavy Duty Single Flanged Wheels and Solid Polyurethane Wheels. Consult Factory For Specifications.

Semi-Steel	Solid Rubber ST	Solid Rubber HT	Bondcelon	Vulc-On G1	Vulc-On G2	Vulc-On G3	Bonduthane	Bondrelene
	✓			✓		✓	✓	
	✓	✓	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	✓	✓	✓
	✓			✓		✓	✓	
				✓		✓	✓	
✓	✓	✓	✓	✓	✓	✓	✓	✓
	✓			✓		✓	✓	
✓	✓	✓	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	✓	✓	✓
■	■	■	■	■	■	■	■	■
■			■			■	■	■
■			■			■	■	■
■			■			■	■	■
■			■	■	■	■	■	■
■			■				■	■
Low	High	Med.	Medium	High	Medium	High	High	Medium
High	Low	High	High	Low	High	Low	Medium	High
No	Yes	No	No	Yes	No	Yes	Yes	No
Low	High	Medium	Low	High	Medium	High	Medium	Low
Low	High	Medium	High	High	Medium	High	Medium	High
High	Low	Medium	Medium	Low	Medium	Low	High	Medium
High	Low	Medium	High	Low	Medium	Low	High	Medium

WHEEL BEARINGS



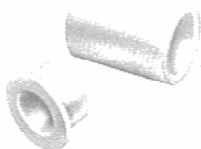
STRAIGHT ROLLER BEARINGS Because of the great popularity of this type of bearing in industrial applications, they are available in all Bond Casters. All Bond roller bearing wheels are equipped with high quality roller bearings with split outer raceways and hardened steel rollers held parallel to the axle by a steel retainer. End washers are pressed in the ends of the hub to hold the bearing in place. Hardened and ground steel sleeves which fit over the axle between the two sides of the caster fork are held rigid with a threaded axle bolt. This provides a hardened precision inner race for the bearing and also greatly strengthens the caster.



TAPERED ROLLER BEARINGS All Bond casters designed for extra heavy service and high speed operation offer tapered roller bearings. Two bearings are used per wheel, one in each side of the hub and ride directly on the axle. Bearing adjustment is provided by tightening the legs of the caster against the wheel hub.



SELF-LUBRICATING BUSHING A good substitute for the anti-friction bearing in small wheels or where moisture is an important factor.



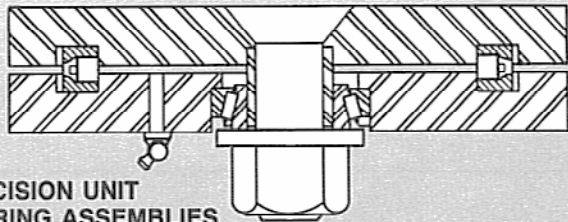
PLASTIC BEARINGS Ideal around water or corrosive substances or for high or low temperature service. Consult factory for application information.



PLAIN BEARING This term when applied to Bond casters refers to machine bored wheels running directly on the axle. An economical practice for seldom moved loads.

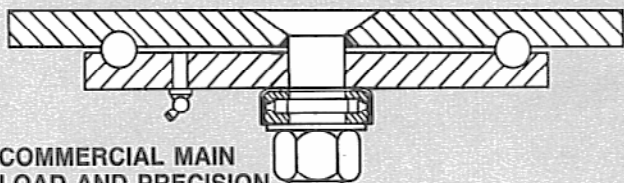
LUBRICATION: All Bond casters and wheels are lubricated at the factory with a good general purpose industrial lubricant. For a slight extra cost, you may specify a lubricant to meet special environmental requirements—low or high temperature, or other considerations.

SWIVEL BEARINGS



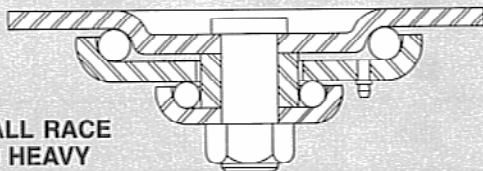
PRECISION UNIT BEARING ASSEMBLIES FOR LOAD AND THRUST

Main load bearing is a large diameter self-contained precision roller bearing. Secondary load bearing is a tapered roller bearing. Both bearings are replaceable as complete assemblies. Recommended for continuous, extra duty service.



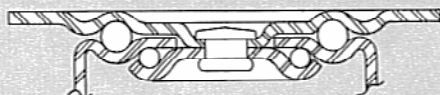
COMMERCIAL MAIN LOAD AND PRECISION SECONDARY BEARING

Large diameter hardened and polished steel balls in a large diameter precision machined raceway constitute the main load bearing. The secondary load bearing is a precision unit tapered roller bearing. Recommended for trailer type service.



DOUBLE BALL RACE MEDIUM TO HEAVY DUTY SERVICE

Hardened and polished steel balls in a smoothly coined and hardened upper and lower raceway assure easy swivel action and long service life. Swivel design provides maximum protection for the king bolt.



DOUBLE BALL RACE FOR LIGHT TO MEDIUM DUTY

A deeply formed, coined work-hardened ball race with hardened and polished steel balls carries the load and absorbs side thrust. A matching lower race balances the load and absorbs component thrust.



SINGLE BALL RACE FOR LIGHT DUTY

Hardened and polished steel balls in a deep formed race designed not only to carry the load but also to absorb side thrust between the deeply embossed outer apron of the base and the formed inner flange of the fork.



PRODUCT NUMBERING SYSTEM

CASTERS

The Bond numbering system for casters is an easily understood, easy-to-use, three part designation which includes wheel and bearing type, basic caster series, and wheel diameter. Optional features are added to the suffix.

All Bond swivel caster series are designated by even numbers except for the 3-A series. Rigid casters are indicated by odd numbers.

The examples below illustrate how the system works.

CATALOG NO.	PREFIX	EXPLANATION CASTER SERIES	SUFFIX	DESCRIPTION
3ST50-A-2	3ST	50-A	2	50-A series, swivel/top plate/solid rubber soft tread 2" wheel/plain bearing.
141-A-5	1	41-A	5-TG	41-A series rigid/semi-steel 5" wheel/straight roller bearing/thread guards.
T1874-A-12-4	T1 8	74-A	12-4	74-A series swivel/top plate/Bonduthane 12" x 4" wheel/tapered roller bearings.

BEARINGS		WHEELS		CASTER SERIES	WHEEL DIAMETERS and OPTIONAL FEATURES	
	Symbol		Designation in caster no.	See Caster index pages 2 & 3	These numbers represent the actual diameter in inches. Half inch increments are noted by the numeral 5 (2½" = 25).	
Straight roller	1	Type	none			
Tapered roller	T1	Semi-Steel	none			
Self-lubricating	none	V-Grooved	VG			
Plastic (consult factory)		Solid Rubber ST	3ST		Feature	
Plain bearing	none	Solid Rubber HT	3HT		Thread guards	Symbol
		Bondcelon	4		Swivel lock 2 position	TG
		Vulc-On G1	5		Swivel lock 4 position	SL2
		Vulc-On G2	6		Swivel & wheel brake	SL4
		Vulc-On G3	7		Grease seals-swivel	SWB
		Bonduthane	8		Grease seals-wheel	GS
		Bondrelene	9			WS

WHEELS

The following examples illustrate the wheel numbering system.

5" x 1½" Semi-steel wheel/plain bearing/
½" bore.

5 - 2048 - 15 - 8

8" x 2½" V-Grooved semi-steel wheel/straight roller bearing.
1" roller bearing I.D.

1 - 8 - VG2956A - 25 - 16

8" x 3" Bonduthane wheel/tapered roller bearing ¾" bearing I.D.

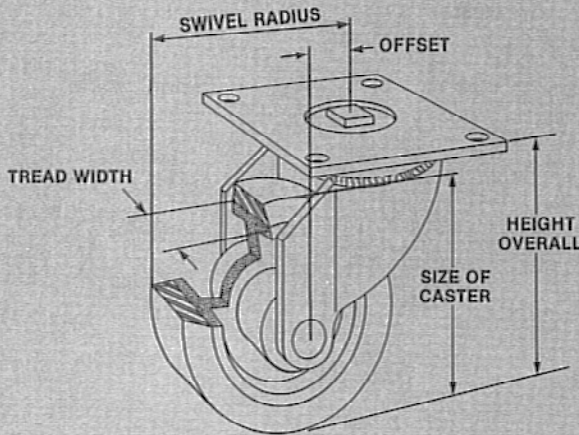
T - 8 - U - 3 - 12

WHEEL DIA. & BEARING TYPE

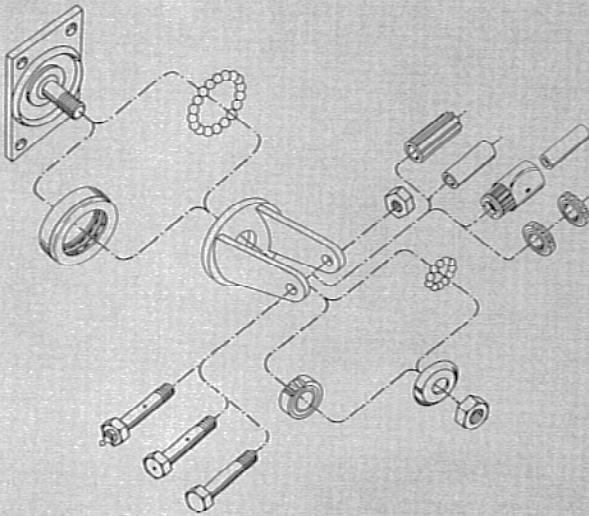
WHEEL NUMBER OR
DESIGNATION

WHEEL FACE

BEARING I.D. OR BORE
in 16th's of an Inch.



The illustration above identifies the major caster features requiring consideration in caster selection. Dimensions for these features appear in the specifications for each caster.



This illustration shows the basic construction of a Bond caster. There are, of course, basic design differences between series according to the class of service for which the series was designed. The drawing also shows optional or alternate bearings and axles which may be used. Top plate and horn assembly may be cast, pressed steel or welded structural steel. In every case, the material is of a strength and thickness to provide the optimum strength-to-weight ratio for top performance in the class for which it was designed.

There is no single formula that is valid in every situation for the selection of a caster. There are, however, standards established by the members of the Caster and Floor Truck Manufacturers' Association which greatly facilitate caster selection according to class of service, component function and wheel application. Bond adheres to these standards in the classification and presentation of its casters.

Bond casters are used universally throughout industry and their applications are as broad as they are varied. Bond casters are available with wheel diameters ranging from 2" thru 12" and in capacities from 75 to 6,000 pounds per caster.

Caster construction and wheel treads take into consideration intermittent as well as continuous service over the widest variety of floor surfaces. Bond capacity ratings in this catalog are arrived at through a continuous testing and evaluation program and may be relied upon as a valid comparison of the relative performance values of the casters offered. However, due to the multiple variables in caster application, the users experience and knowledge of his operating environment must be an important consideration in the selection of a caster to meet an individual requirement.

CONSIDERATIONS IN CASTER SELECTION

LOAD—The load is comprised of the net weight of the material or equipment to be transported plus the weight of the vehicle, frame or other apparatus used in the conveyance. This total weight is then divided by the number of casters necessary for the mobility and maneuverability desired (see facing page). The result is the caster capacity necessary to safely move the load. A size larger caster may be advised if the floor is rough or uneven or contains other impact causing obstacles.

TYPE OF SERVICE—Intermittent? Continuous? Manually or mechanically powered? Each requires separate consideration. Occasionally moved loads, short travel distances or for dollies used to move material in storage or warehouse operations, a single ball race caster with or without anti-friction wheel bearings could be the wise and least expensive choice. For continuous service, either manually or mechanically powered, a heavier duty double ball race caster with anti-friction wheel bearings is indicated. Mechanically powered trailer-type operations require special heavy duty construction with large swivel bearings to withstand the impact and shock encountered.

On pages 2 and 3 each Bond caster is listed by class of service and shows the capacity range for each available wheel. The user will find this helpful review an excellent aid in comparing caster series for preliminary determination. Complete details and specifications on each series should be referred to in making final determination.

WHEELS—TREAD, DIAMETER, FACE—Wheel selection must be made with great care for it can not only determine the life of the caster but the life of the floor over which it travels. Floors are expensive and therefore must receive primary consideration.

Each wheel material has characteristics which effect performance and dictate use. For your convenience, we have prepared charts (pages 4 & 5) which depict wheel acceptability for various floor surfaces, acceptability under certain adverse operating conditions, and a rela-

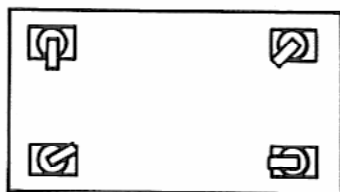
tive performance rating with regard to desired operating characteristics. These should be most helpful in matching wheel characteristics to your particular operating circumstances or environment.

Other tips on wheels. Large wheels roll easier than small wheels. Hard treads roll easier than soft treads. Resilient treads roll over rough surfaces more easily than hard treads. Larger wheels mean larger bearings . . . longer life and easier rolling.

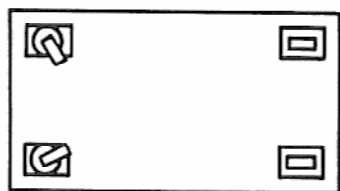
OTHER CONSIDERATIONS—The environment in which a caster will be used must be considered. Is noise a factor? Dirt, chips, threads or other detrimental substances? Grease, oil, water or chemicals? Temperature extremes? Through various options, lubricants and tread selections, Bond can help you find the caster/wheel combination right for your application.

MOUNTING ARRANGEMENTS

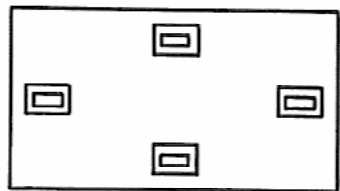
Four swivel—Maneuverable in any direction. Ideal for confined areas or where equipment must be moved sideways. Difficult to steer for straight line travel.



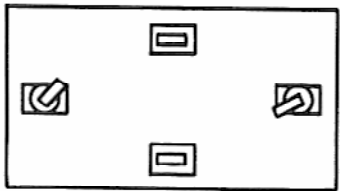
Two swivel, two rigid—Easily steered or pushed for long straight travel. Trails well. Used on a variety of portable equipment.



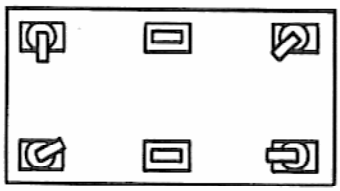
Four rigid—diamond pattern, tilt type, turns on center wheels. Good for light loads, straight travel. Economical.



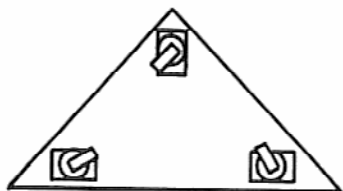
Two swivel, two rigid—Diamond pattern, tilt type. Highly maneuverable in tight areas. Turns in own length.



Four swivel, two rigid—tilt or level type. High maneuverability; turns in own length. For heavy loads or long trucks.



Three swivel—Use where easy motion in any direction is desirable. Barrel dollies, warehouse dollies, light machinery.



TERMS AND CONDITIONS

Prices. For prices see separate Price List. All quotations are F.O.B. Manheim unless otherwise agreed upon and are subject to change without notice.

Terms. To Customers of approved credit—All invoices are due and payable in 30 days.

Orders. Orders regularly entered cannot be countermanded, except with our consent and upon terms that will indemnify us against loss.

Agreements. All agreements and contracts are contingent upon strikes, fires, accidents or other causes beyond our control.

Delivery. If shipping instructions are not given it is understood that we are to decide how the order is to be packed and shipped. We are not responsible for goods after delivery is made to Transportation Company and we have obtained receipt from them in "good order". If there are shortages, or evidence of damage they should be noted on the shipping documents by the Transportation Agent before receipt is signed. If desired, we will cooperate with customers to obtain adjustments from Transportation Company.

Warranties: We warrant all articles sold and made by us to be free from defects in materials and workmanship; our obligation under this warranty being limited to repairing or replacing at our factory any new equipment within six months after shipment when returned to us by our customer, transportation prepaid and which our examination should disclose to have been defective. This warranty being expressly in lieu of all other warranties expressed or implied, and of all obligations or liabilities on our part, contractual or otherwise, either to the original purchase or to any other person. We shall be liable on this warranty only if you as a purchaser make prompt inspection of the goods delivered and give us within five days of the receipt of the material notice of any such defects. We will not assume liability for charges for labor, consequential expense or damages incurred.

Returned Material. Material returned without our permission will not be accepted. We cannot accept the return of material that has been altered or damaged until the customer has first notified us in writing and we have given written consent for the return. There will be a charge made on all returned material, this charge depending on the amount of expense involved in handling and putting material in saleable condition.

Dimensions. The dimensions given in this catalog are as nearly correct as is possible to compile them. We do not hold ourselves responsible for claims for damages on account of typographical errors and reserve the right to change our patterns, dimensions, designs and construction at any time without notice.

Claims. Claims for corrections or deductions must be filed within five days after receipt of goods, and reference should always be made to date and number of invoice.

Correspondence. In order to receive immediate attention and avoid delays, all correspondence should be addressed to the Company and not to individuals.

Trade Marks. Wherever the name "BOND" appears in script form as illustrated on the front cover of this catalog and on the title page, it is understood that the name is registered in the United States Patent Office, whether indicated under the cut or not, and that this registration applies to all items of our manufacture in Truck Casters, Wheels, Hand Trucks and Materials Handling Equipment.

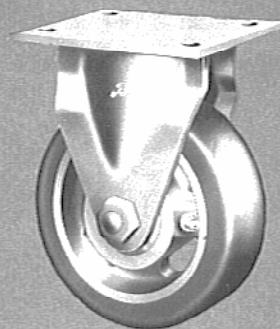
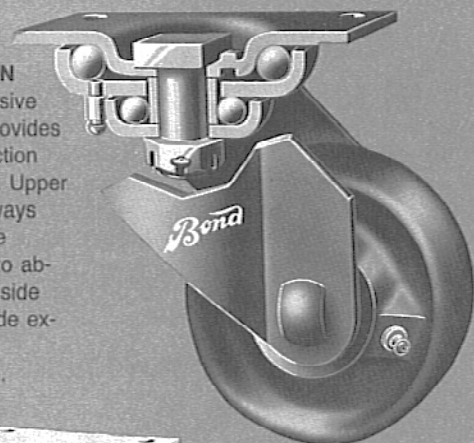
Bond[®] 40^{-A} SWIVEL SERIES 41^{-A} RIGID

MEDIUM HEAVY DUTY CASTERS

Maximum capacity
to 1500 pounds per caster

SWIVEL DESIGN

This Bond exclusive swivel design provides maximum protection for the king bolt. Upper and lower raceways are locked in the proper position to absorb shock and side thrust and provide exceptionally easy swivelling action.



MATCHING RIGID CASTERS

The Series 41-A casters are the matching rigid casters to the 40-A casters. Legs are deep drawn and welded to the top plate for maximum strength.

This caster, with its capacity range and large wheel selection will find applications in factory, commercial and institutional requirements. Design and construction features assure long service life.

FEATURES

Construction: Heavy gauge steel is cold-forged to provide strong, rigid top plate and cup assembly.

Swivel Bearing: Hardened and polished steel balls in coined and hardened upper and lower raceways assure easy swivel action and long service life.

Fork: Deep formed legs for strength, welded to cup.

King Bolt: Heavy duty steel bolt with threaded lock nut.

Axle: Threaded axle bolt locks in place. A hardened and ground sleeve fits over the axle and is held rigid between the legs for exceptional rigidity and strength.

Wheels: A full selection of wheels—up to 2½" tread width.

Lubrication: Pressure fittings for swivel and wheel bearings. Solid rubber, Bondcelon and Bondrelene wheels are lubricated through a hollow axle with pressure fitting. All other wheels lubricate through hub.

Finish: Durable corrosion resistant finish.

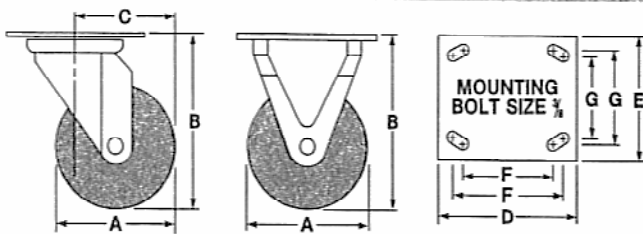
SPECIFICATIONS SERIES 40-A/41-A

WHEEL SPECIFICATIONS			CASTER SPECIFICATIONS								
Diameter "A" Inches	Face Inches	Type	SWIVEL CASTERS				MATCHING RIGID CASTERS				Overall Height "B" Inches
			Caster Load Cap. † lbs.	CASTER NUMBER		Swivel Radius "C" Inches	Approx. Weight lbs.	CASTER NUMBER		Approx. Weight lbs.	
Plain Bearing	Straight Roller Bearing	Plain Bearing		Straight Roller Bearing							
4	1½	Semi-Steel	550	40-A-4	140-A-4	3 13/16	6	41-A-4	141-A-4	5¼	5 5/8
		V-Groove	550		1VG40-A-4		6¼		1VG41-A-4	5¼	
	1 5/16	Solid Rubber ST	225		13ST40-A-4		4		13ST41-A-4	3¼	
		Solid Rubber HT	400		13HT40-A-4		4		13HT41-A-4	3¼	
	1½	Bondcelon	550		1440-A-4		4		1441-A-4	3¼	
		Vulc-On G1	200		1540-A-4		5 5/8		1541-A-4	4 7/8	
		Vulc-On G2	400		1640-A-4		5 3/8		1641-A-4	4 7/8	
		Vulc-On G3	200		1740-A-4		5 3/8		1741-A-4	4 7/8	
		Bonduthane	550		1840-A-4		5½		1841-A-4	4¾	
		Bondrelene	450	940-A-4	1940-A-4		3¼	941-A-4	1941-A-4	2¾	
5	1½	Semi-Steel	650	40-A-5	140-A-5	4 9/16	7½	41-A-5	141-A-5	5½	6 1/2
	1¾	V-Groove	650		1VG40-A-5		8 5/8		1VG41-A-5	7½	
	1 7/8	Solid Rubber ST	250	3ST40-A-5	13ST40-A-5		5 5/8	3ST41-A-5	13ST41-A-5	4¼	
		Solid Rubber HT	425	3HT40-A-5	13HT40-A-5		5 5/8	3HT41-A-5	13HT41-A-5	4¼	
	1½	Bondcelon	600		1440-A-5		4 5/8		1441-A-5	3¾	
		Vulc-On G1	320		1540-A-5		7 1/8		1541-A-5	6¼	
	1 7/8	Vulc-On G2	640		1640-A-5		7 1/8		1641-A-5	6¼	
		Vulc-On G3	320		1740-A-5		7 1/8		1741-A-5	6¼	
		Bonduthane	650		1840-A-5		6 3/8		1841-A-5	5¾	
	1½	Bondrelene	500	940-A-5	1940-A-5		3 3/8	941-A-5	1941-A-5	3¼	

† Load-rating is for manual operation.

SPECIFICATIONS

SERIES 40-A/41-A



WHEEL SPECIFICATIONS			CASTER SPECIFICATIONS								
Diameter "A" Inches	Face Inches	Type	Caster Load Cap.† lbs.	SWIVEL CASTERS		Swivel Radius "C" Inches	Approx. Weight lbs.	MATCHING RIGID CASTERS		Approx. Weight lbs.	Overall Height "B" Inches
				Plain Bearing	Straight Roller Bearing			Plain Bearing	Straight Roller Bearing		
6	2	Semi-Steel	1200	40-A-6	140-A-6	5 ⁹ / ₁₆	12 ³ / ₄	41-A-6	141-A-6	9 ¹ / ₂	8
		V-Groove	1000		1VG40-A-6		11 ³ / ₄		1VG41-A-6	9 ¹ / ₂	
		Solid Rubber ST	400	3ST40-A-6	13ST40-A-6		10	3ST41-A-6	13ST41-A-6	7 ³ / ₄	
		Solid Rubber HT	560	3HT40-A-6	13HT40-A-6		10	3HT41-A-6	13HT41-A-6	7 ³ / ₄	
		Bondcelon	1200		1440-A-6		9 ¹ / ₄		1441-A-6	7	
		Vulc-On G1	410		1540-A-6		11 ³ / ₄		1541-A-6	10 ¹ / ₂	
		Vulc-On G2	820		1640-A-6		11 ³ / ₄		1641-A-6	10 ¹ / ₂	
		Vulc-On G3	410		1740-A-6		11 ³ / ₄		1741-A-6	10 ¹ / ₂	
		Bonduthane	1200		1840-A-6		13 ³ / ₄		1841-A-6	10	
Bondrelene	650	940-A-6	1940-A-6	7 ³ / ₄	941-A-6	1941-A-6	5 ³ / ₄				
8	2	Semi-Steel	1200	40-A-8	140-A-8	7 ¹ / ₁₆	17 ¹ / ₂	41-A-8	141-A-8	15	10
		Bondcelon	1200		1440-A-8		11 ¹ / ₂		1441-A-8	9	
		Vulc-On G1	500		1540-A-8		15 ³ / ₄		1541-A-8	13 ³ / ₄	
		Vulc-On G2	1000		1640-A-8		15 ³ / ₄		1641-A-8	13 ³ / ₄	
		Vulc-On G3	500		1740-A-8		15 ³ / ₄		1741-A-8	13 ³ / ₄	
		Bonduthane	1200		1840-A-8		16 ¹ / ₂		1841-A-8	14	
10	2	Semi-Steel	1000		140-A-10	8 ⁹ / ₁₆	20		141-A-10	16 ⁵ / ₈	11 ¹ / ₂
		Vulc-On G1	730		1540-A-10		21 ¹ / ₄		1541-A-10	17 ⁷ / ₈	
		Vulc-On G2	1000		1640-A-10		21 ¹ / ₄		1641-A-10	17 ⁷ / ₈	
		Vulc-On G3	730		1740-A-10		21 ¹ / ₄		1741-A-10	17 ⁷ / ₈	

40-AW/41-AW—With 2¹/₂ inch tread width

6	2 ¹ / ₂	Semi-Steel	1500		140-A-6W	5 ¹¹ / ₁₆	15		141-A-6W	14	8
		V-Groove	1500		1VG40-A-6W		18		1VG41-A-6W	17	
		Bondcelon	1500		1440-A-6W		10		1441-A-6W	9	
		Vulc-On G1	540		1540-A-6W		12 ¹ / ₂		1541-A-6W	11 ¹ / ₂	
		Vulc-On G2	1080		1640-A-6W		12 ¹ / ₂		1641-A-6W	11 ¹ / ₂	
		Vulc-On G3	540		1740-A-6W		12 ¹ / ₂		1741-A-6W	11 ¹ / ₂	
		Bonduthane	1500		1840-A-6W		12 ¹ / ₂		1841-A-6W	11 ¹ / ₂	
8	2 ¹ / ₂	Semi-Steel	1500		140-A-8W	7 ¹ / ₈	23		141-A-8W	21	10
		V-Groove	1500		1VG40-A-8W		27		1VG41-A-8W	25	
		Bondcelon	1500		1440-A-8W		13		1441-A-8W	10 ³ / ₄	
		Vulc-On G1	670		1540-A-8W		18 ¹ / ₂		1541-A-8W	16 ³ / ₄	
		Vulc-On G2	1340		1640-A-8W		18 ¹ / ₂		1641-A-8W	16 ³ / ₄	
		Vulc-On G3	670		1740-A-8W		18 ¹ / ₂		1741-A-8W	16 ³ / ₄	
		Bonduthane	1500		1840-A-8W		16 ³ / ₄		1841-A-8W	14 ³ / ₄	
10	2 ¹ / ₂	Semi-Steel	1000		140-A-10W	8 ⁵ / ₈	28 ³ / ₄		141-A-10W	19 ¹ / ₂	11 ¹ / ₂
		Bondcelon	1000		1440-A-10W		16 ¹ / ₄		1441-A-10W	15	
		Vulc-On G1	790		1540-A-10W		26		1541-A-10W	24 ³ / ₄	
		Vulc-On G2	1000		1640-A-10W		26		1641-A-10W	24 ³ / ₄	
		Vulc-On G3	790		1740-A-10W		26		1741-A-10W	24 ³ / ₄	
		Bonduthane	1000		1840-A-10W		25 ¹ / ₄		1841-A-10W	24	

† Load rating is for manual operation.

TOP PLATE SIZES AND MOUNTING SPECIFICATIONS

Caster Size	Top Plate Size D x E	Bolt Hole Spacing (Slotted) F x G	Attachment Bolt Size
4", 5"	4 ⁵ / ₈ x 4	3 ⁵ / ₈ x 2 ⁵ / ₈ to 3 x 3	³ / ₈
6", 8", 10" and 6", 8", 10"W	6 ¹ / ₄ x 5	5 ¹ / ₄ x 3 ³ / ₈ to 4 ¹ / ₂ x 4 ¹ / ₂	³ / ₈

OPTIONAL FEATURES

- Grease seals for ball race swivel and wheel, add suffix—GS
- Thread guards, add suffix—TG

OPTIONAL TOP PLATES FOR 4 & 5" CASTERS

SIZE: 6¹/₄ x 5, BOLT HOLE 5¹/₄ x 3³/₈ to 4¹/₂ x 4¹/₂
 6¹/₂ x 4¹/₂ SPACING 5¹/₄ x 3³/₈ to 4¹/₁₆ x 2⁷/₁₆

Bona 40-A-MH SWIVEL
SERIES 41-A-MH RIGID

HEAVY DUTY CASTERS

Maximum capacity
to 2500 pounds per caster

The large double ball race construction and heavy gauge steel provide in the 40-A-MH the rugged running gear for heavy duty manual and medium duty power drawn operations. Available wheel selection meets most industrial or commercial floor requirements.

FEATURES

Construction: Heavy gauge steel is cold-forged to provide a strong, rigid top plate and cup assembly.

Swivel Bearing: Hardened and polished steel balls in a smoothly coined and hardened upper and lower raceway assure easy swivel action and long service life. Swivel design provides maximum protection for the king bolt.

Fork: Wide, deep formed legs are continuously welded to the cup for maximum strength and rigidity.

King Bolt: Heavy duty steel bolt with slotted adjusting nut and cotter pin.

Axle: Threaded axle bolt with square head that fits against lug on fork preventing it from turning. Axle is secured with slotted adjusting nut and cotter pin.

Wheels: A full selection of industrial type wheels in either 2½" or 3" face is available.

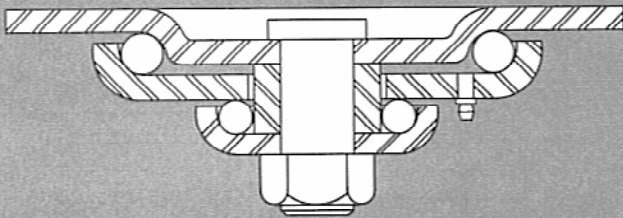
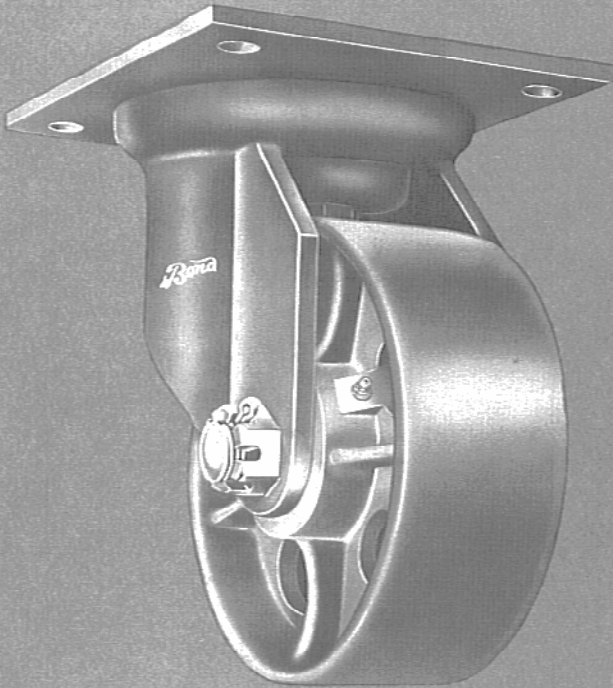
Wheel Bearings: All wheels are available with either straight or tapered roller bearings. Straight roller bearings consist of a split outer raceway with high quality hardened steel rollers held parallel to the axle by a steel retainer. A hardened and ground steel sleeve provides a precision inner raceway.

Two precision tapered roller bearings per wheel mount directly on the axle.

Lubrication: Readily accessible pressure fittings to swivel assembly and to either wheel hub or axle.

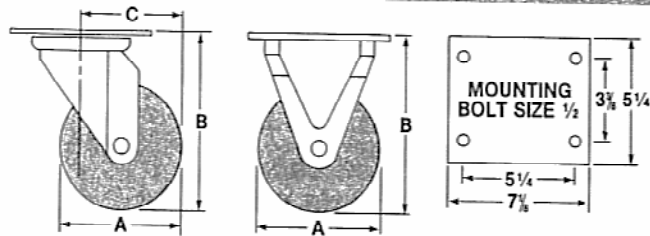
Finish: Durable corrosion resistant finish.

RIGID CASTER: The 41-A-MH is made of heavy steel sections, deep formed and welded to match the strength and rigidity of the matching 40-A-MH. Bolt hole spacing and overall height are the same.



SPECIFICATIONS

SERIES 40-AMH/41-AMH



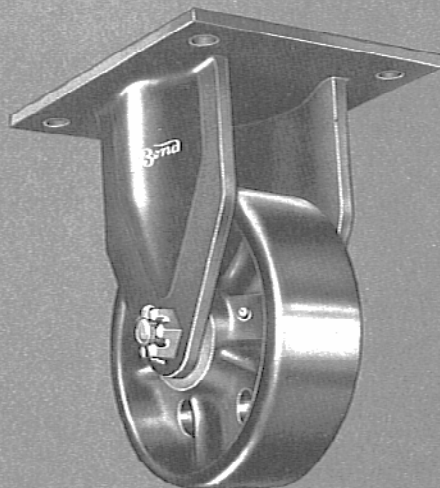
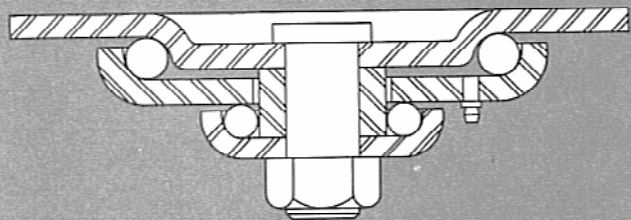
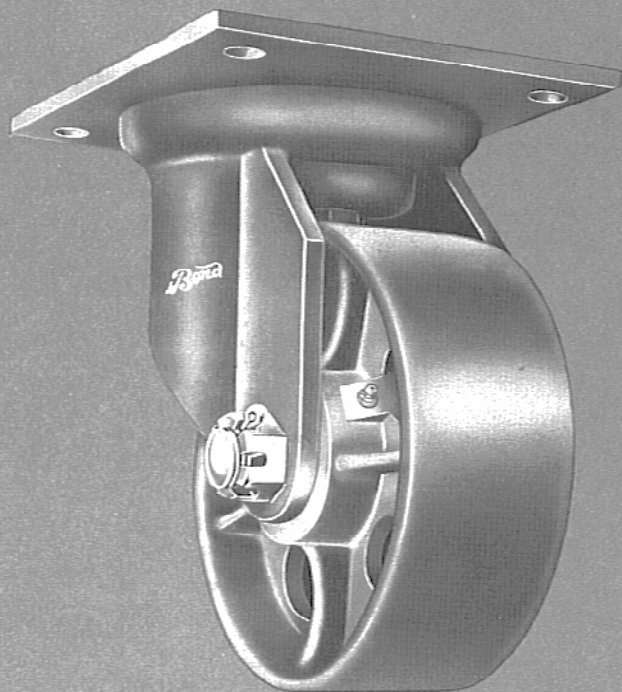
WHEEL SPECIFICATIONS			CASTER SPECIFICATIONS								
Diameter "A" Inches	Face Inches	Type	Caster Load Cap. † lbs.	SWIVEL CASTERS		Swivel Radius "C" Inches	Approx. Weight lbs.	MATCHING RIGID CASTERS		Approx. Weight lbs.	Overall Height "B" Inches
				CASTER NUMBER				CASTER NUMBER			
				Straight Roller Bearing	Tapered Roller Bearing			Straight Roller Bearing	Tapered Roller Bearing		
5	2 1/2	Semi-Steel	2000	140-A-MH-5	T140-A-MH-5	5 3/16	19 1/2	141-A-MH-5	T141-A-MH-5	14 3/4	7 5/8
		V-Groove	2000	1VG40-A-MH-5	T1VG40-A-MH-5		19 1/4	1VG41-A-MH-5	T1VG41-A-MH-5	14 1/2	
		Vulc-On G1	470	1540-A-MH-5	T1540-A-MH-5		18	1541-A-MH-5	T1541-A-MH-5	13	
		Vulc-On G2	940	1640-A-MH-5	T1640-A-MH-5		18	1641-A-MH-5	T1641-A-MH-5	13	
		Vulc-On G3	470	1740-A-MH-5	T1740-A-MH-5		18	1741-A-MH-5	T1741-A-MH-5	13	
		Bonduthane	1300	1840-A-MH-5	T1840-A-MH-5		15 3/4	1841-A-MH-5	T1841-A-MH-5	13 1/2	
6	2 1/2	Semi-Steel	2500	140-A-MH-6	T140-A-MH-6	5 11/16	21 1/2	141-A-MH-6	T141-A-MH-6	16 1/2	8 1/8
		V-Groove	2500	1VG40-A-MH-6	T1VG40-A-MH-6		24 1/2	1VG41-A-MH-6	T1VG41-A-MH-6	19 1/2	
		Bondcelon	1800	1440-A-MH-6	T1440-A-MH-6		17 1/2	1441-A-MH-6	T1441-A-MH-6	12	
		Vulc-On G1	540	1540-A-MH-6	T1540-A-MH-6		19	1541-A-MH-6	T1541-A-MH-6	14	
		Vulc-On G2	1080	1640-A-MH-6	T1640-A-MH-6		19	1641-A-MH-6	T1641-A-MH-6	14	
		Vulc-On G3	540	1740-A-MH-6	T1740-A-MH-6		19	1741-A-MH-6	T1741-A-MH-6	14	
8	2 1/2	Semi-Steel	2500	140-A-MH-8	T140-A-MH-8	7 1/16	28 3/4	141-A-MH-8	T141-A-MH-8	23	10 1/2
		V-Groove	2500	1VG40-A-MH-8	T1VG40-A-MH-8		33	1VG41-A-MH-8	T1VG41-A-MH-8	27 1/4	
		Bondcelon	2000	1440-A-MH-8	T1440-A-MH-8		18 1/4	1441-A-MH-8	T1441-A-MH-8	14	
		Vulc-On G1	670	1540-A-MH-8	T1540-A-MH-8		24	1541-A-MH-8	T1541-A-MH-8	19 3/4	
		Vulc-On G2	1340	1640-A-MH-8	T1640-A-MH-8		24	1641-A-MH-8	T1641-A-MH-8	19 3/4	
		Vulc-On G3	670	1740-A-MH-8	T1740-A-MH-8		24	1741-A-MH-8	T1741-A-MH-8	19 3/4	
10	2 1/2	Semi-Steel	2500	140-A-MH-10	T140-A-MH-10	8 3/8	22 1/2	141-A-MH-10	T141-A-MH-10	16 3/4	12 1/2
		V-Groove	2500	1VG40-A-MH-10	T1VG40-A-MH-10		33 1/2	1VG41-A-MH-10	T1VG41-A-MH-10	27 3/4	
		Bondcelon	2500	1440-A-MH-10	T1440-A-MH-10		19 3/4	1441-A-MH-10	T1441-A-MH-10	16	
		Vulc-On G1	790	1540-A-MH-10	T1540-A-MH-10		30 3/4	1541-A-MH-10	T1541-A-MH-10	24 1/4	
		Vulc-On G2	1580	1640-A-MH-10	T1640-A-MH-10		30 3/4	1641-A-MH-10	T1641-A-MH-10	24 1/4	
		Vulc-On G3	790	1740-A-MH-10	T1740-A-MH-10		30 3/4	1741-A-MH-10	T1741-A-MH-10	24 1/4	
40-AMHW/41-AMHW—With 3 inch tread width											
8	3	Semi-Steel	2500	140-A-MH-8W	T140-A-MH-8W	7 1/8	34	141-A-MH-8W	T141-A-MH-8W	28 1/4	10 1/2
		V-Groove	2500	1VG40-A-MH-8W	T1VG40-A-MH-8W		35 1/2	1VG41-A-MH-8W	T1VG41-A-MH-8W	34	
		Bondcelon	2500	1440-A-MH-8W	T1440-A-MH-8W		19 1/4	1441-A-MH-8W	T1441-A-MH-8W	15	
		Vulc-On G1	840	1540-A-MH-8W	T1540-A-MH-8W		28	1541-A-MH-8W	T1541-A-MH-8W	22 1/4	
		Vulc-On G2	1680	1640-A-MH-8W	T1640-A-MH-8W		28	1641-A-MH-8W	T1641-A-MH-8W	22 1/4	
		Vulc-On G3	840	1740-A-MH-8W	T1740-A-MH-8W		28	1741-A-MH-8W	T1741-A-MH-8W	22 1/4	
10	3	Semi-Steel	2500	140-A-MH-10W	T140-A-MH-10W	8 1/2	27	141-A-MH-10W	T141-A-MH-10W	21 1/4	12 1/2
		V-Groove	2500	1VG40-A-MH-10W	T1VG40-A-MH-10W		38	1VG41-A-MH-10W	T1VG41-A-MH-10W	29 1/4	
		Bondcelon	2500	1440-A-MH-10W	T1440-A-MH-10W		43 1/2	1441-A-MH-10W	T1441-A-MH-10W	37 3/4	
		Vulc-On G1	1000	1540-A-MH-10W	T1540-A-MH-10W		21 3/4	1541-A-MH-10W	T1541-A-MH-10W	18 1/4	
		Vulc-On G2	2000	1640-A-MH-10W	T1640-A-MH-10W		33	1641-A-MH-10W	T1641-A-MH-10W	27 1/4	
		Vulc-On G3	1000	1740-A-MH-10W	T1740-A-MH-10W		33	1741-A-MH-10W	T1741-A-MH-10W	27 1/4	
Bonduthane	2500	1840-A-MH-10W	T1840-A-MH-10W	33	1841-A-MH-10W	T1841-A-MH-10W	27 1/4				
						34	1841-A-MH-10W	T1841-A-MH-10W	28 1/4		

† Load rating is for manual operation

Bond 40 -A-H SWIVEL
SERIES 41 -A-H RIGID

EXTRA HEAVY DUTY CASTERS

Maximum capacity
to 4500 pounds per caster



These casters are designed to carry heavy loads on either floor protective or metal wheels. They move with frictionless ease in rolling and swivelling. They are used for heavy duty power drawn equipment, heavy production fixtures, heavy duty machinery dollies and similar applications.

FEATURES

Construction: Extra heavy steel plate is cold forged to provide a strong, rigid top plate with a precision formed raceway and cup assembly.

Swivel Bearing: An exceptionally large upper load carrying ball race has $\frac{5}{8}$ " steel balls on a $5\frac{3}{8}$ " ball circle. Both upper and lower raceways are smoothly coined and hardened.

Fork: Wide, deep formed legs are continuously welded to the cup for maximum strength and rigidity.

King Bolt: Heavy duty steel bolt with slotted adjusting nut and cotter pin.

Axle: Square head machine bolt with slotted nut and cotter pin.

Wheels: A full selection of industrial type wheels.

Wheel Bearings: All wheels are available with either straight or tapered roller bearings. Straight roller bearings consist of a split outer raceway with high quality hardened steel rollers held parallel to the axle by a steel retainer. A hardened and ground steel sleeve provides a precision inner raceway.

Two precision tapered roller bearings per wheel mount directly on the axle.

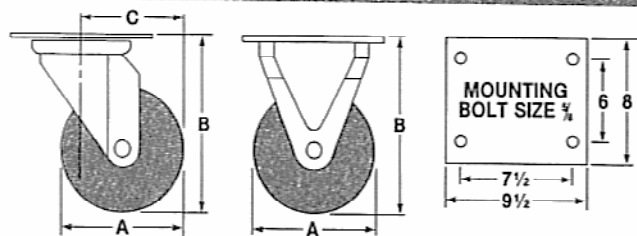
Lubrication: Readily accessible pressure fittings to swivel assembly and to either wheel hub or axle.

Finish: Durable corrosion resistant finish.

RIGID CASTER: The 41-A-H is made of the same heavy duty steel plate and has matching bolt hole centers and overall height as the 40-A-H.

SPECIFICATIONS

SERIES 40-A-H/41-A-H



WHEEL SPECIFICATIONS			CASTER SPECIFICATIONS								
Diameter "A" Inches	Face Inches	Type	Caster Load Cap. † lbs.	SWIVEL CASTERS		Swivel Radius "C" Inches	Approx. Weight lbs.	MATCHING RIGID CASTERS		Overall Height "B" Inches	
				CASTER NUMBER				Straight Roller Bearing	Tapered Roller Bearing		Approx. Weight lbs.
8	3	Semi-Steel	4000	140-A-H-8	T140-A-H-8	7 1/8	42 1/2	141-A-H-8	T141-A-H-8	36 1/4	11
		V-Groove	4000	1VG40-A-H-8	T1VG40-A-H-8		44	1VG41-A-H-8	T1VG41-A-H-8	38 1/4	
		Bondcelon	2500	1440-A-H-8	T1440-A-H-8		27	1441-A-H-8	T1441-A-H-8	20 3/4	
		Vulc-On G1	840	1540-A-H-8	T1540-A-H-8		39 3/4	1541-A-H-8	T1541-A-H-8	33 1/2	
		Vulc-On G2	1680	1640-A-H-8	T1640-A-H-8		39 3/4	1641-A-H-8	T1641-A-H-8	33 1/2	
		Vulc-On G3	840	1740-A-H-8	T1740-A-H-8		39 3/4	1741-A-H-8	T1741-A-H-8	33 1/2	
		Bonduthane	2500	1840-A-H-8	T1840-A-H-8		35 1/2	1841-A-H-8	T1841-A-H-8	29 1/4	
10	3	Semi-Steel	4250	140-A-H-10	T140-A-H-10	8 3/4	49	141-A-H-10	T141-A-H-10	43 1/4	12 3/4
		V-Groove	4250	1VG40-A-H-10	T1VG40-A-H-10		54	1VG41-A-H-10	T1VG41-A-H-10	47 3/4	
		Bondcelon	3000	1440-A-H-10	T1440-A-H-10		34 3/4	1441-A-H-10	T1441-A-H-10	26 1/4	
		Vulc-On G1	1000	1540-A-H-10	T1540-A-H-10		44 1/2	1541-A-H-10	T1541-A-H-10	38 3/4	
		Vulc-On G2	2000	1640-A-H-10	T1640-A-H-10		44 1/2	1641-A-H-10	T1641-A-H-10	38 3/4	
		Vulc-On G3	1000	1740-A-H-10	T1740-A-H-10		44 1/2	1741-A-H-10	T1741-A-H-10	38 3/4	
		Bonduthane	3000	1840-A-H-10	T1840-A-H-10		45	1841-A-H-10	T1841-A-H-10	39 1/4	
12	3	Semi-Steel	4500	140-A-H-12	T140-A-H-12	10 1/8	63 1/4	141-A-H-12	T141-A-H-12	58 1/4	15
		Bondcelon	3500	1440-A-H-12	T1440-A-H-12		41 1/4	1441-A-H-12	T1441-A-H-12	35 1/2	
		Vulc-On G1	1140	1540-A-H-12	T1540-A-H-12		54	1541-A-H-12	T1541-A-H-12	49	
		Vulc-On G2	2280	1640-A-H-12	T1640-A-H-12		54	1641-A-H-12	T1641-A-H-12	49	
		Vulc-On G3	1140	1740-A-H-12	T1740-A-H-12		54	1741-A-H-12	T1741-A-H-12	49	
		Bonduthane	3500	1840-A-H-12	T1840-A-H-12		50 1/4	1841-A-H-12	T1841-A-H-12	45 1/4	

†Load rating is for manual operation. For power drawn application information, consult factory.

METRIC EQUIVALENT CHART—INCHES TO MILLIMETERS

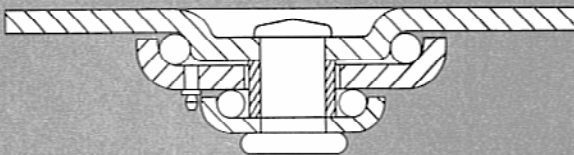
Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
1/16	1.588	1 1/16	26.988	2 1/16	52.388	3 1/16	77.788	4 1/8	104.775
1/8	3.175	1 1/8	28.575	2 1/8	53.975	3 1/8	79.375	4 1/4	107.950
3/16	4.763	1 3/16	30.163	2 3/16	55.563	3 3/16	80.963	4 1/2	114.300
1/4	6.350	1 1/4	31.750	2 1/4	57.150	3 1/4	82.550	4 3/4	120.650
5/16	7.938	1 5/16	33.338	2 5/16	58.738	3 5/16	84.138	5	127.000
3/8	9.525	1 3/8	34.925	2 3/8	60.325	3 3/8	85.725	5 1/2	139.700
7/16	11.113	1 7/16	36.513	2 7/16	61.913	3 7/16	87.313	6	152.400
1/2	12.700	1 1/2	38.100	2 1/2	63.500	3 1/2	88.900	7	177.800
9/16	14.288	1 9/16	39.688	2 9/16	65.088	3 9/16	90.488	8	203.200
5/8	15.875	1 5/8	41.275	2 5/8	66.675	3 5/8	92.075	9	228.600
11/16	17.463	1 11/16	42.863	2 11/16	68.263	3 11/16	93.663	10	254.000
3/4	19.050	1 3/4	44.450	2 3/4	69.850	3 3/4	95.250	11	279.400
13/16	20.638	1 13/16	46.038	2 13/16	71.438	3 13/16	96.838	12	304.800
7/8	22.225	1 7/8	47.625	2 7/8	73.025	3 7/8	98.425	14	355.600
15/16	23.813	1 15/16	49.213	2 15/16	74.613	3 15/16	100.013	16	406.400
1	25.400	2	50.800	3	76.200	4	101.600	18	457.200

To make other conversions: Inches to millimeters—multiply inches by 25.4
Inches to centimeters—multiply inches by 2.540

Bond 42^{-A} SWIVEL
SERIES 43^{-A} RIGID

MEDIUM DUTY CASTERS

Maximum capacity
to 900 pounds per caster



The 42-A caster offers a larger top plate (6 $\frac{1}{4}$ " x 5") and slotted bolt holes for two mounting patterns and is recommended for medium duty applications in factories and warehouses. A full range of wheel types offers a choice of floor protective types and long service life.

FEATURES

Construction: Heavy gauge steel is cold-forged to provide a strong, rigid top plate and cup assembly.

Swivel Bearing: Hardened and polished steel balls in a smoothly coined and hardened upper and lower raceway assure easy swivelling and long service life.

Fork: Legs are formed for strength and continuously welded to the cup.

King Pin: Steel rivet, orbitally formed to provide equal strength at both ends.

Axle: Threaded bolt secured with lock nut.

Wheels: A full selection of wheels for any floor surface.

Wheel Bearing: All wheels are provided with straight roller bearings which consist of a split outer raceway with high quality hardened steel rollers held parallel to the axle by a steel retainer. A hardened and ground steel sleeve provides a precision inner race.

Lubrication: Readily accessible pressure fittings to swivel assembly and to wheel bearing through wheel hub or hollow axle.

Finish: Durable corrosion resistant finish.

RIGID CASTER: Matches the swivel caster in all respects.

OPTIONAL FEATURES

Grease seals for swivel ball race and wheel, add suffix—GS

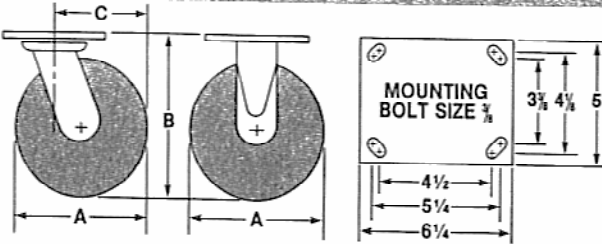
Thread guards, add suffix—TG

Swivel lock—2 or 4 position.

Swivel and wheel brake

SPECIFICATIONS

SERIES 42-A/43-A



WHEEL SPECIFICATIONS

CASTER SPECIFICATIONS

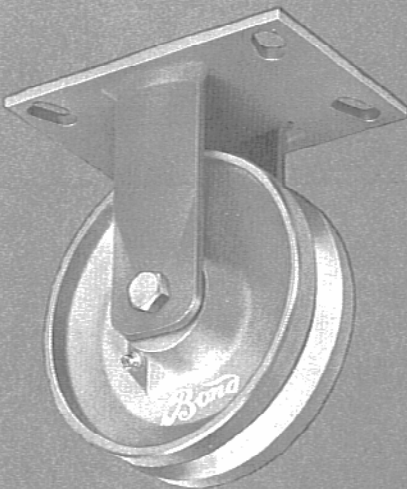
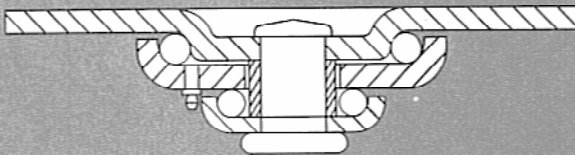
Diameter "A" Inches	Face Inches	Type	SWIVEL CASTERS							MATCHING RIGID CASTERS		
			Caster Load Cap. † lbs.	CASTER NUMBER		Swivel Radius "C" Inches	Approx. Weight lbs.	CASTER NUMBER		Approx. Weight lbs.	Overall Height "B" Inches	
				Straight Roller Bearing				Straight Roller Bearing				
4	2	Semi-Steel	900	142-A-4		3 7/8	8 1/4	143-A-4		7	6 1/8	
		V-Groove	900	1VG42-A-4			9 3/4	1VG43-A-4		8 1/2		
		Bondcelon	800	1442-A-4			6 1/4	1443-A-4		5		
		Vulc-On G1	300	1542-A-4			7 5/8	1543-A-4		6 3/8		
		Vulc-On G2	600	1642-A-4			7 5/8	1643-A-4		6 3/8		
		Vulc-On G3	300	1742-A-4			7 5/8	1743-A-4		6 3/8		
		Bonduthane	700	1842-A-4			7 3/4	1843-A-4		6 1/2		
		Bondrelene	500	1942-A-4			5 1/2	1943-A-4		4 1/4		
5	2	Semi-Steel	900	142-A-5		4 3/8	9 1/2	143-A-5		8 1/4	6 5/8	
		V-Groove	900	1VG42-A-5			9 3/4	1VG43-A-5		8 3/4		
		Solid Rubber ST	250	13ST42-A-5			6 3/4	13ST43-A-5		5 1/2		
		Solid Rubber HT	425	13HT42-A-5			6 3/4	13HT43-A-5		5 1/2		
		Bondcelon	900	1442-A-5			6 1/2	1443-A-5		5 1/4		
		Vulc-On G1	350	1542-A-5			9 3/4	1543-A-5		8 1/2		
		Vulc-On G2	700	1642-A-5			9 3/4	1643-A-5		8 1/2		
		Vulc-On G3	350	1742-A-5			9 3/4	1743-A-5		8 1/2		
		Bonduthane	900	1842-A-5			8 3/4	1843-A-5		7 1/2		
		Bondrelene	600	1942-A-5			5 3/4	1943-A-5		4 1/2		
6	2	Semi-Steel	900	142-A-6		4 7/8	11	143-A-6		9 3/4	7 1/2	
		V-Groove	900	1VG42-A-6			10	1VG43-A-6		8 3/4		
		Solid Rubber ST	400	13ST42-A-6			8 1/4	13ST43-A-6		6 3/4		
		Solid Rubber HT	560	13HT42-A-6			8 1/4	13HT43-A-6		6 3/4		
		Bondcelon	900	1442-A-6			7 1/2	1443-A-6		6 1/4		
		Vulc-On G1	410	1542-A-6			10 3/4	1543-A-6		9 1/2		
		Vulc-On G2	820	1642-A-6			10 3/4	1643-A-6		9 1/2		
		Vulc-On G3	410	1742-A-6			10 3/4	1743-A-6		9 1/2		
		Bonduthane	900	1842-A-6			10 1/2	1843-A-6		9 1/4		
		Bondrelene	650	1942-A-6			6 1/4	1943-A-6		5		
8	2	Semi-Steel	900	142-A-8		5 1/8	15 1/4	143-A-8		14	9 1/2	
		Bondcelon	900	1442-A-8			9 3/4	1443-A-8		8		
		Vulc-On G1	500	1542-A-8			13 1/2	1543-A-8		12 1/4		
		Vulc-On G2	900	1642-A-8			13 1/2	1643-A-8		12 1/4		
		Vulc-On G3	500	1742-A-8			13 1/2	1743-A-8		12 1/4		
		Bonduthane	900	1842-A-8			14 1/2	1843-A-8		13		
		Bondrelene	700	1942-A-8			7 1/2	1943-A-8		6 1/4		

† Load rating is for manual operation.

Bond 44^{-A} SWIVEL
SERIES 45^{-A} RIGID

MEDIUM DUTY CASTERS

Maximum capacity
to 900 pounds per caster



The Series 44-A casters are used in a variety of applications in general warehouse trucks, factory trucks, platform trucks, and various types of factory-used bins, racks etc. The Series features a 6½" x 4½" top plate with slotted holes for two mounting patterns.

FEATURES

Construction: Heavy gauge steel is cold-forged to provide a strong, rigid top plate and cup assembly.

Swivel Bearing: Hardened and polished steel balls in a smoothly coined and hardened upper and lower raceway assure easy swivelling and long service life.

Fork: Legs are formed for strength and continuously welded to the cup.

King Pin: Steel rivet, orbitally formed to provide equal strength at both ends.

Axle: Threaded bolt secured with lock nut.

Wheels: A full selection of wheels for any floor surface.

Wheel Bearing: All wheels are provided with straight roller bearings which consist of a split outer raceway with high quality hardened steel rollers held parallel to the axle by a steel retainer. A hardened and ground steel sleeve provides a precision inner race.

Lubrication: Readily accessible pressure fittings to swivel assembly and to wheel bearing through wheel hub or hollow axle.

Finish: Durable corrosion resistant finish.

RIGID CASTER: Matches the swivel caster in all respects.

OPTIONAL FEATURES

Grease seals for swivel ball race and wheel, add suffix—GS

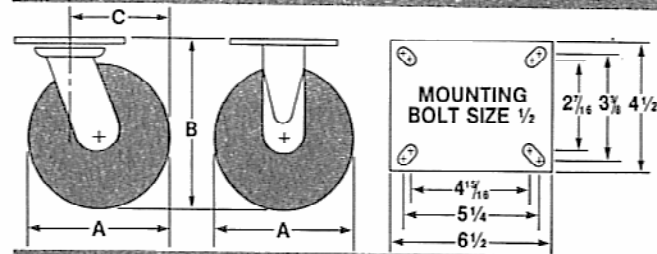
Thread guards, add suffix—TG

Swivel lock—2 or 4 position.

Swivel and wheel brake

SPECIFICATIONS

SERIES 44-A/45-A



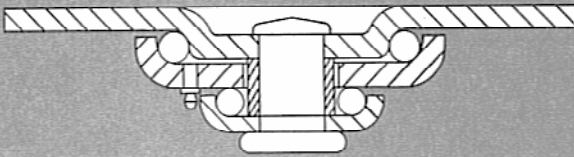
WHEEL SPECIFICATIONS				CASTER SPECIFICATIONS							
Diameter "A" Inches	Face Inches	Type	Caster Load Cap. † lbs.	SWIVEL CASTERS		MATCHING RIGID CASTERS					
				CASTER NUMBER		Swivel Radius "C" Inches	Approx. Weight lbs.	CASTER NUMBER		Approx. Weight lbs.	Overall Height "B" Inches
Straight Roller Bearing		Straight Roller Bearing									
4	2	Semi-Steel	900	144-A-4		3 7/8	8 1/4	145-A-4		6 3/4	6 1/8
		V-Groove	900	1VG44-A-4			9 3/4	1VG45-A-4		8 1/4	
		Bondcelon	800	1444-A-4			6 1/4	1445-A-4		4 3/4	
		Vulc-On G1	300	1544-A-4			7 3/4	1545-A-4		6 1/4	
		Vulc-On G2	600	1644-A-4			7 3/4	1645-A-4		6 1/4	
		Vulc-On G3	300	1744-A-4			7 3/4	1745-A-4		6 1/4	
		Bonduthane	700	1844-A-4			7 3/4	1845-A-4		6 1/4	
		Bondrelene	500	1944-A-4			5 1/2	1945-A-4		4 1/4	
5	2	Semi-Steel	900	144-A-5		4 3/8	9 1/2	145-A-5		8	6 5/8
		V-Groove	900	1VG44-A-5			9 3/4	1VG45-A-5		8 1/2	
		Solid Rubber ST	250	13ST44-A-5			6 3/4	13ST45-A-5		5 1/4	
		Solid Rubber HT	425	13HT44-A-5			6 3/4	13HT45-A-5		5 1/4	
		Bondcelon	900	1444-A-5			6 1/2	1445-A-5		5	
		Vulc-On G1	350	1544-A-5			9 3/4	1545-A-5		8 1/4	
		Vulc-On G2	700	1644-A-5			9 3/4	1645-A-5		8 1/4	
		Vulc-On G3	350	1744-A-5			9 3/4	1745-A-5		8 1/4	
		Bonduthane	900	1844-A-5			8 3/4	1845-A-5		7 1/4	
		Bondrelene	600	1944-A-5			5 3/4	1945-A-5		4 1/2	
6	2	Semi-Steel	900	144-A-6		4 7/8	11	145-A-6		9 1/2	7 1/2
		V-Groove	900	1VG44-A-6			10	1VG45-A-6		8 1/2	
		Solid Rubber ST	400	13ST44-A-6			8	13ST45-A-6		6 1/2	
		Solid Rubber HT	560	13HT44-A-6			8	13HT45-A-6		6 1/2	
		Bondcelon	900	1444-A-6			7 1/2	1445-A-6		6	
		Vulc-On G1	410	1544-A-6			11	1545-A-6		9 1/2	
		Vulc-On G2	820	1644-A-6			11	1645-A-6		9 1/2	
		Vulc-On G3	410	1744-A-6			11	1745-A-6		9 1/2	
		Bonduthane	900	1844-A-6			10 1/2	1845-A-6		9	
		Bondrelene	650	1944-A-6			6 1/4	1945-A-6		5	
8	2	Semi-Steel	900	144-A-8		5 7/8	15 1/4	145-A-8		14	9 1/2
		Bondcelon	900	1444-A-8			9 3/4	1445-A-8		8	
		Vulc-On G1	500	1544-A-8			13 1/2	1545-A-8		12 1/4	
		Vulc-On G2	900	1644-A-8			13 1/2	1645-A-8		12 1/4	
		Vulc-On G3	500	1744-A-8			13 1/2	1745-A-8		12 1/4	
		Bonduthane	900	1844-A-8			14 1/4	1845-A-8		13	
		Bondrelene	700	1944-A-8			7 1/2	1945-A-8		6 1/4	

†Load rating is for manual operation.

Bond 46-A SWIVEL
SERIES 47-A RIGID

LIGHT MEDIUM
and
MEDIUM DUTY CASTERS

Maximum capacity
to 575 pounds per caster



Here's an economical caster with a swivel design superior to any in its class. The Series 46-A also offers an outstanding wheel selection which makes this series ideal for a wide variety of applications in institutional and commercial operations as well as in many light industrial uses. The top plate is the popular 4⁵/₈" x 4" with slotted bolt holes offering two mounting patterns.

FEATURES

Construction: Heavy gauge steel is cold-forged to provide a strong, rigid top plate and cup assembly.

Swivel Bearing: Hardened and polished steel balls in a smoothly coined and hardened upper and lower raceway assure easy swivelling and long service life.

Fork: Legs are formed for strength and continuously welded to the cup.

King Pin: Steel rivet, orbitally formed to provide equal strength at both ends.

Axle: Threaded bolt secured with lock nut.

Wheels: A full selection of wheels for any floor surface.

Wheel Bearing: All wheels are provided with straight roller bearings which consist of a split outer raceway with high quality hardened steel rollers held parallel to the axle by a steel retainer. A hardened and ground steel sleeve provides a precision inner race.

Lubrication: Readily accessible pressure fittings to swivel assembly and to wheel bearing through wheel hub or hollow axle.

Finish: Durable corrosion resistant finish.

RIGID CASTER: Matches the swivel caster in all respects.

OPTIONAL FEATURES

Grease seals for swivel ball race and wheel, add suffix—GS

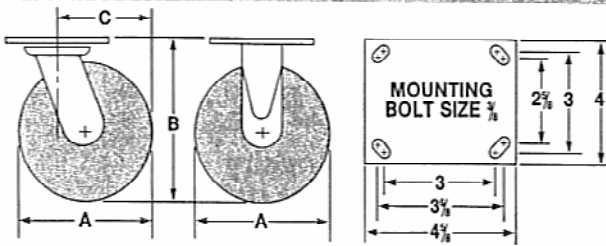
Thread guards, add suffix—TG

Swivel lock—2 or 4 position.

Swivel and wheel brake

SPECIFICATIONS

SERIES 46-A/47-A



WHEEL SPECIFICATIONS			CASTER SPECIFICATIONS							
Diameter "A" Inches	Face Inches	Type	Caster Load Cap.† lbs.	SWIVEL CASTERS		MATCHING RIGID CASTERS				
				CASTER NUMBER		Swivel Radius "C" Inches	Approx. Weight lbs.	Caster Number	Approx. Weight lbs.	Overall Height "B" Inches
Straight Roller Bearing		Straight Roller Bearing								
4	2	Semi-Steel	550	146-A-4		3 7/8	6 1/4	147-A-4	5 1/4	6
	1 1/16	Solid Rubber ST	225	13ST46-A-4			4 1/4	13ST47-A-4	3 3/4	
		Solid Rubber HT	400	13HT46-A-4			4 1/4	13HT47-A-4	3 3/4	
	2	Bondcelon	550	1446-A-4			4 1/4	1447-A-4	3 3/4	
		Vulc-On- G1	350	1546-A-4			5 7/8	1547-A-4	4 7/8	
		Vulc-On G2	550	1646-A-4			5 7/8	1647-A-4	4 7/8	
		Vulc-On G3	350	1746-A-4			5 7/8	1747-A-4	4 7/8	
		Bonduthane	550	1846-A-4			5 3/4	1847-A-4	4 3/4	
		Bondrelene	500	1946-A-4			4	1947-A-4	3	
5	2	Semi-Steel	575	146-A-5*		4 3/8	8	147-A-5*	7	6 1/2
	1 7/8	Solid Rubber ST	250	13ST46-A-5*			5 1/4	13ST47-A-5*	4 1/4	
		Solid Rubber HT	425	13HT46-A-5*			5 1/4	13HT47-A-5*	4 1/4	
	2	Bondcelon	575	1446-A-5			4 7/8	1447-A-5	3 7/8	
		Vulc-On- G1	400	1546-A-5			7 1/4	1547-A-5	6 1/4	
		Vulc-On G2	575	1646-A-5			7 1/4	1647-A-5	6 1/4	
		Vulc-On G3	400	1746-A-5			7 1/4	1747-A-5	6 1/4	
		Bonduthane	575	1846-A-5			6 3/4	1847-A-5	5 3/4	
		Bondrelene	575	1946-A-5			4 1/4	1947-A-5	3 3/4	
6	2	Semi-Steel	575	146-A-6*		4 7/8	9 1/2	147-A-6*	8 1/2	7 3/8
	2	Solid Rubber ST	400	13ST46-A-6*			6 3/4	13ST47-A-6*	5 3/4	
		Solid Rubber HT	560	13HT46-A-6*			6 3/4	13HT47-A-6*	5 3/4	
	2	Bondcelon	575	1446-A-6			6	1447-A-6	5	
		Vulc-On G1	410	1546-A-6			8 1/2	1547-A-6	7 1/2	
		Vulc-On G2	575	1646-A-6			8 1/2	1647-A-6	7 1/2	
		Vulc-On G3	410	1746-A-6			8 1/2	1747-A-6	7 1/2	
		Bonduthane	575	1846-A-6			9	1847-A-6	8	
		Bondrelene	575	1946-A-6			6	1947-A-6	5	
8	2	Semi-Steel	500	146-A-8*		5 7/8	14	147-A-8*	12 3/4	9 3/8
	2	Bondcelon	500	1446-A-8			8	1447-A-8	6 3/4	
		Vulc-On G1	500	1546-A-8			12 1/4	1547-A-8	11	
	2	Vulc-On G2	500	1646-A-8			12 1/4	1647-A-8	11	
		Vulc-On G3	500	1746-A-8			12 1/4	1747-A-8	11	
	2	Bonduthane	500	1846-A-8			13	1847-A-8	11 3/4	
		Bondrelene	500	1946-A-8			6 1/8	1947-A-8	5	

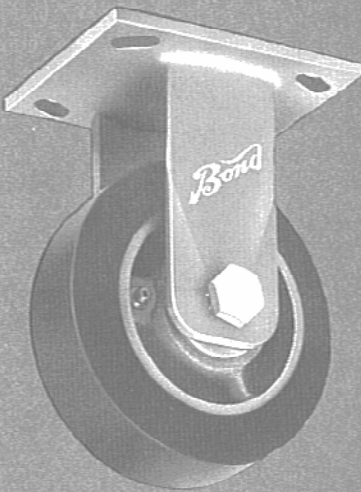
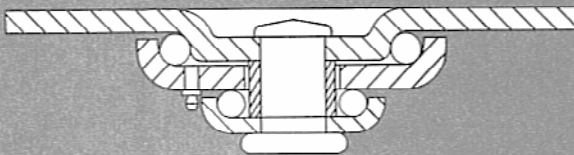
†Load rating is for manual operation.

*Available with plain bearing or self-lubricating bearing wheel.

Bond 48^{-A} SWIVEL
SERIES 49^{-A} RIGID

MEDIUM DUTY CASTERS

Maximum capacity
to 900 pounds per caster



The Series 48-A offers the same top plate size and bolt hole spacings as the Series 46-A except that heavier steel sections are used. This double ball race caster is recommended for use on a wide variety of portable equipment. They are also excellent for warehouse trucks and dollies, portable racks and shelving, as well as for light duty towline trucks.

FEATURES

Construction: Heavy gauge steel is cold-forged to provide a strong, rigid top plate and cup assembly.

Swivel Bearing: Hardened and polished steel balls in a smoothly coined and hardened upper and lower raceway assure easy swivelling and long service life.

Fork: Legs are formed for strength and continuously welded to the cup.

King Pin: Steel rivet, orbitally formed to provide equal strength at both ends.

Axle: Threaded bolt secured with lock nut.

Wheels: A full selection of wheels for any floor surface.

Wheel Bearing: All wheels are provided with straight roller bearings which consist of a split outer raceway with high quality hardened steel rollers held parallel to the axle by a steel retainer. A hardened and ground steel sleeve provides a precision inner race.

Lubrication: Readily accessible pressure fittings to swivel assembly and to wheel bearing through wheel hub or hollow axle.

Finish: Durable corrosion resistant finish.

RIGID CASTER: Matches the swivel caster in all respects.

OPTIONAL FEATURES

Grease seals for swivel ball race and wheel,
add suffix—GS

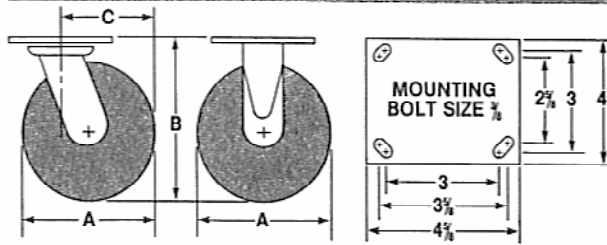
Thread guards, add suffix—TG

Swivel lock—2 or 4 position.

Swivel and wheel brake

SPECIFICATIONS

SERIES 48-A/49-A



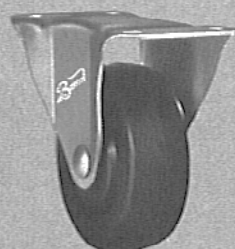
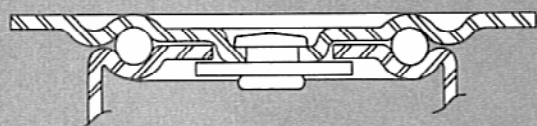
WHEEL SPECIFICATIONS			CASTER SPECIFICATIONS							
Diameter "A" Inches	Face Inches	Type	Caster Load Cap. † lbs.	SWIVEL CASTERS		MATCHING RIGID CASTERS				
				CASTER NUMBER		Swivel Radius "C" Inches	Approx. Weight lbs.	Overall Height "B" Inches		
Straight Roller Bearing		Straight Roller Bearing	Approx. Weight lbs.							
4	2			Semi-Steel	900	148-A-4		3 7/8	8 1/4	149-A-4
		V-Groove	900	1VG48-A-4		9 3/4	1VG49-A-4		8 1/2	
		Bondcelon	800	1448-A-4		6 1/4	1449-A-4		5	
		Vulc-On G1	300	1548-A-4		7 5/8	1549-A-4		6 3/8	
		Vulc-On G2	600	1648-A-4		7 5/8	1649-A-4		6 3/8	
		Vulc-On G3	300	1748-A-4		7 5/8	1749-A-4		6 3/8	
		Bonduthane	700	1848-A-4		7 3/4	1849-A-4		6 1/2	
		Bondrelene	500	1948-A-4		5 1/2	1949-A-4		4 1/4	
5	2	Semi-Steel	900	148-A-5		4 3/8	9 1/2	149-A-5	8 1/4	6 5/8
		V-Groove	900	1VG48-A-5			9 3/4	1VG49-A-5	8 3/4	
		Solid Rubber ST	250	13ST48-A-5			6 3/4	13ST49-A-5	5 1/2	
		Solid Rubber HT	425	13HT48-A-5			6 3/4	13HT49-A-5	5 1/2	
		Bondcelon	900	1448-A-5			6 1/2	1449-A-5	5 1/4	
		Vulc-On G1	350	1548-A-5			9 3/4	1549-A-5	8 1/2	
		Vulc-On G2	700	1648-A-5			9 3/4	1649-A-5	8 1/2	
		Vulc-On G3	350	1748-A-5			9 3/4	1749-A-5	8 1/2	
Bonduthane	900	1848-A-5		8 3/4	1849-A-5	7 1/2				
Bondrelene	600	1948-A-5		5 3/4	1949-A-5	4 1/2				
6	2	Semi-Steel	900	148-A-6		4 7/8	11	149-A-6	9 3/4	7 1/2
		V-Groove	900	1VG48-A-6			10	1VG49-A-6	8 3/4	
		Solid Rubber ST	400	13ST48-A-6			8 1/4	13ST49-A-6	7	
		Solid Rubber HT	560	13HT48-A-6			8 1/4	13HT49-A-6	7	
		Bondcelon	900	1448-A-6			7 1/2	1449-A-6	6 1/4	
		Vulc-On G1	410	1548-A-6			11	1549-A-6	9 3/4	
		Vulc-On G2	820	1648-A-6			11	1649-A-6	9 3/4	
		Vulc-On G3	410	1748-A-6			11	1749-A-6	9 3/4	
Bonduthane	900	1848-A-6		10 1/2	1849-A-6	9 1/4				
Bondrelene	650	1948-A-6		6 1/4	1949-A-6	5				
8	2	Semi-Steel	900	148-A-8		5 1/8	15 1/4	149-A-8	14	9 1/2
		Bondcelon	900	1448-A-8			9	1449-A-8	8	
		Vulc-On G1	500	1548-A-8			13 1/2	1549-A-8	12 1/4	
		Vulc-On G2	900	1648-A-8			13 1/2	1649-A-8	12 1/4	
		Vulc-On G3	500	1748-A-8			13 1/2	1749-A-8	12 1/4	
		Bonduthane	900	1848-A-8			14 1/4	1849-A-8	13	
Bondrelene	700	1948-A-8		7 1/4	1949-A-8	6				

†Load rating is for manual operation.

Bond 50^{-A} SWIVEL
SERIES 51^{-A} RIGID

LIGHT, LIGHT MEDIUM DUTY CASTERS

Maximum capacity
to 650 pounds per caster



This single ball race design provides an economical, yet highly durable caster for light industrial use and a wide variety of institutional and commercial applications. They are used for dollies, laundry and food handling carts, light equipment and other mobile requirements.

FEATURES

Construction: Heavy gauge steel deep formed for maximum strength.

Swivel Bearing: Hardened and polished steel balls in a deep formed race designed not only to carry the load but also to absorb side thrust between the deeply embossed outer apron of the base and formed inner flange of the fork.

Fork: Legs and cup are one-piece pressed steel construction.

King Pin: Steel rivet, orbitally formed to provide equal strength at both ends.

Axle: A square neck under the head of the axle fits in a square hole in the leg of the fork which prevents the axle from turning. In addition, a steel sleeve fits over the axle (except in the 2" size) and is held rigidly between the fork members, thereby greatly strengthening the caster, preventing wear on the axle and providing a larger axle bearing for the wheel.

Wheel Bearing: Plain bearing wheels are sized to rotate directly on the sleeve described above. Straight roller bearing wheels rotate on a hardened and ground steel sleeve which provides a precision inner race for the bearing.

Lubrication: Swivel is lubricated at the factory. Pressure fitting is provided in wheel hub or in recessed head of hollow axle.

Finish: Plated finish for all parts except wheel.

RIGID CASTER: One-Piece heavy gauge steel construction, deeply formed and embossed to equal the strength and durability of the companion swivel caster.

OPTIONAL FEATURES

Thread guards, add suffix—TG

Grease seals for wheels, add suffix—GS

TOP PLATE SIZES AND MOUNTING SPECIFICATIONS (INCHES)

SERIES 50-A SWIVEL

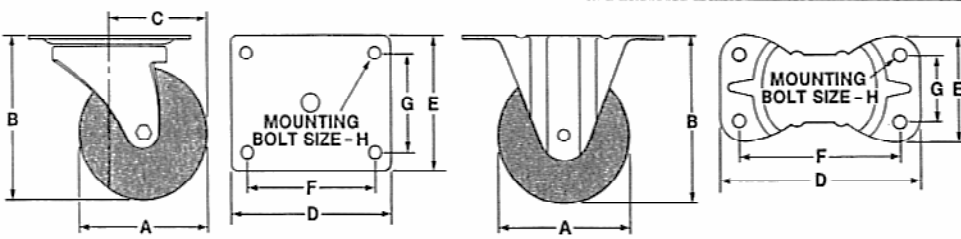
Wheel Dia.	Top Plate Size	Bolt Hole Spacing	Mounting Bolt Size H
	D x E	F x G	
2	2 ³ / ₈ x 1 ⁷ / ₈	2 ¹ / ₈ x 2 ¹ / ₃₂	1/4
2 ¹ / ₂	3 ³ / ₄ x 2 ³ / ₄	3 x 1 ¹ / ₄	5/16
3	4 ¹ / ₄ x 3 ¹ / ₂	3 ⁷ / ₁₆ x 2 ³ / ₈	5/16
4	5 x 4 ¹ / ₈	4 x 3	3/8
5 6	6 ¹ / ₂ x 5 ¹ / ₂	5 ¹ / ₄ x 3 ³ / ₈	7/16

SERIES 51-A RIGID

Top Plate Size	Bolt Hole Spacing	Mounting Bolt Size H
2 ³ / ₄ x 1 ¹ / ₁₆	2 ¹ / ₈ x 1 ¹ / ₁₆	3/16
4 ¹ / ₂ x 2 ¹ / ₄	3 ¹ / ₃₂ x 1 ¹ / ₁₆	5/16
5 x 2 ¹ / ₂	4 x 1 ¹ / ₁₆	5/16
6 ³ / ₁₆ x 3 ³ / ₁₆	5 x 2	3/8
6 ³ / ₁₆ x 3 ³ / ₄	5 x 2 ¹ / ₂	3/8

SPECIFICATIONS

SERIES 50-A/51-A



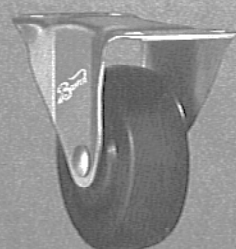
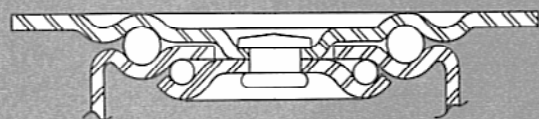
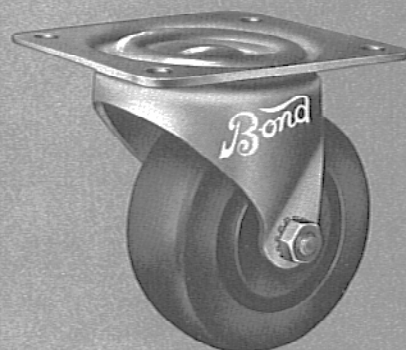
WHEEL SPECIFICATIONS				CASTER SPECIFICATIONS							
Diameter "A" Inches	Face Inches	Type	Caster Load Cap. † lbs.	SWIVEL CASTERS				MATCHING RIGID CASTERS			
				CASTER NUMBER		Swivel Radius "C" Inches	Approx. Weight lbs.	CASTER NUMBER		Approx. Weight lbs.	Overall Height "B" Inches
				Plain Bearing	Straight Roller Bearing			Plain Bearing	Straight Roller Bearing		
2	3/4	Semi-Steel	125	50-A-2		1 5/8	3/4	51-A-2		1/2	2 1/2
	13/16	Solid Rubber ST	75	3ST50-A-2			1/2	3ST51-A-2		3/8	
		Solid Rubber HT	100	3HT50-A-2			1/2	3HT51-A-2		3/8	
2 1/2	3/4	Bondrelene	100	950-A-2		2 1/16	1/2	951-A-2		3/8	3 1/4
	1	Semi-Steel	200	50-A-25	150-A-25		1 1/2	51-A-25	151-A-25	1 7/8	
		Solid Rubber ST	110	3ST50-A-25			3/4	3ST51-A-25		5/8	
3	1 1/4	Solid Rubber HT	175	3HT50-A-25		3/4	3HT51-A-25		5/8	3 3/4	
		Bondrelene	175	950-A-25		3/4	951-A-25		5/8		
	1 1/8	Semi-Steel	300	50-A-3	150-A-3	2 7/16	2 3/4	51-A-3	151-A-3		2 1/4
1 1/2	Solid Rubber ST	125	3ST50-A-3	13ST50-A-3	1 5/8		3ST51-A-3	13ST51-A-3	1 1/8		
	Solid Rubber HT	210	3HT50-A-3	13HT50-A-3	1 5/8		3HT51-A-3	13HT51-A-3	1 1/8		
4	1 1/2	Bondcelon	300	450-A-3	1450-A-3	3 1/16	1 5/8	451-A-3	1451-A-3	1 1/8	5
		Bondrelene	300	950-A-3			1 5/8	951-A-3		1 1/8	
		Semi-Steel	450	50-A-4	150-A-4		5	51-A-4	151-A-4	4	
		V-Groove	450		1VG50-A-4		5 1/4		1VG51-A-4	3 3/4	
		Solid Rubber ST	225	3ST50-A-4	13ST50-A-4		3	3ST51-A-4	13ST51-A-4	2	
		Solid Rubber HT	400	3HT50-A-4	13HT50-A-4		3	3HT51-A-4	13HT51-A-4	2	
		Bondcelon	450		1450-A-4		3		1451-A-4	2	
		Vulc-On G1	200		1550-A-4		4 5/8		1551-A-4	3 3/8	
5	2	Vulc-On G2	400		1650-A-4	4 5/8		1651-A-4	3 3/8	6 1/4	
		Vulc-On G3	200		1750-A-4	4 5/8		1751-A-4	3 3/8		
		Bondrelene	*450	950-A-4	1950-A-4	2 3/4	951-A-4	1951-A-4	1 3/4		
		Semi-Steel	500	50-A-5	150-A-5	8 3/4	51-A-5	151-A-5	6 1/2		
		V-Groove	500		1VG50-A-5	9 1/4		1VG51-A-5	7		
		Solid Rubber ST	250	3ST50-A-5	13ST50-A-5	6	3ST51-A-5	13ST51-A-5	3 3/4		
		Solid Rubber HT	425	3HT50-A-5	13HT50-A-5	6	3HT51-A-5	13HT51-A-5	3 3/4		
		Bondcelon	500		1450-A-5	5 3/4		1451-A-5	3 1/2		
6	2	Vulc-On G1	320		1550-A-5	9		1551-A-5	6 3/4	7 1/4	
		Vulc-On G2	500		1650-A-5	9		1651-A-5	6 3/4		
		Vulc-On G3	320		1750-A-5	9		1751-A-5	6 3/4		
		Bondrelene	*450	950-A-5	1950-A-5	5	951-A-5	1951-A-5	2 3/4		
		Semi-Steel	650	50-A-6	150-A-6	10	51-A-6	151-A-6	7 3/4		
		V-Groove	650		1VG50-A-6	9		1VG51-A-6	6 3/4		
		Solid Rubber ST	400	3ST50-A-6	13ST50-A-6	7 1/4	3ST51-A-6	13ST51-A-6	5		
		Solid Rubber HT	560	3HT50-A-6	13HT50-A-6	7 1/4	3HT51-A-6	13HT51-A-6	5		
6	2	Bondcelon	650		1450-A-6	6 1/4		1451-A-6	4 1/4	7 1/4	
		Vulc-On G1	340		1550-A-6	9		1551-A-6	6 3/4		
		Vulc-On G2	650		1650-A-6	9		1651-A-6	6 3/4		
		Vulc-On G3	340		1750-A-6	9		1751-A-6	6 3/4		
		Bondrelene	*650	950-A-6	1950-A-6	5 1/4	951-A-6	1951-A-6	3		

†Load rating is for manual operation.
 *With plain bearing wheels reduce capacity by 100 lbs.

Bona 52^{-A} SWIVEL
SERIES 51^{-A} RIGID

**LIGHT MEDIUM
and
MEDIUM DUTY CASTERS**

Maximum capacity
to 700 pounds per caster



The Series 52-A casters are used for heavy office and institutional equipment and for light to medium duty industrial applications. The double ball race swivel design assures easy motion in any direction and long service life. A full selection of both floor protective and metal wheels broadens the application of this extremely versatile caster.

FEATURES

Construction: Heavy gauge steel deep formed for maximum strength.

Swivel: A deeply formed, coined work-hardened ball race carries a full complement of hardened and polished steel balls to carry the load and absorb side thrust. A matching lower race balances the load and absorbs thrust providing easy swivelling and long life.

Fork: Legs and cup are one-piece pressed steel construction.

King Pin: Steel rivet, orbitally formed to provide equal strength at both ends.

Axle: A square neck under the head of the axle fits in a square hole in the leg of the fork which prevents the axle from turning. In addition, a steel sleeve fits over the axle and is held rigidly between the form members, thereby greatly strengthening the caster, preventing wear on the axle and providing a larger axle bearing for the wheel.

Wheel Bearing: Plain bearing wheels are sized to rotate directly on the sleeve described above. Straight roller bearing wheels rotate on a hardened and ground steel sleeve which provides a precision inner race for the bearing.

Lubrication: Swivel is lubricated at the factory. Wheels are lubricated through a fitting in the hub or in recessed head of hollow axle.

Finish: Plated finish for all parts except wheel.

RIGID CASTER: The companion rigid casters for the 52-A series are the 51-A series. They are one-piece heavy gauge steel construction, deeply formed and embossed to equal the strength and durability of the 52-A casters.

OPTIONAL FEATURES

Thread guards, add suffix—TG
Grease seals for wheels, add suffix—GS

TOP PLATE SIZES AND MOUNTING SPECIFICATIONS (INCHES)

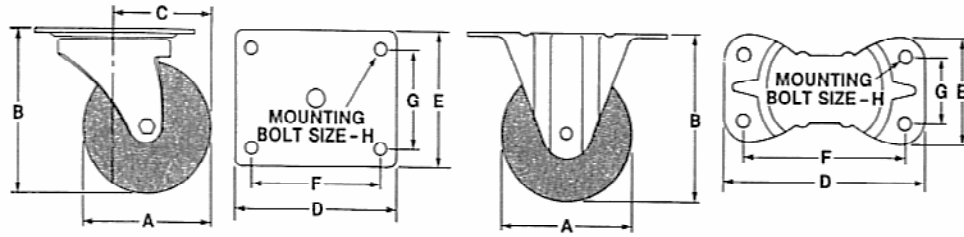
SERIES 52-A SWIVEL

SERIES 51-A RIGID

Wheel Dia.	Top Plate Size		Mounting Bolt Size	Bolt Hole Spacing		Mounting Bolt Size
	D x E	F x G		D x E	F x G	
2½	3¾ x 2¾	3 x 1¾	⅝	4½ x 2¼	3⅛ x 1⅛	⅝
3	4¼ x 3½	3⅞ x 2⅞	⅝	5 x 2½	4 x 1⅞	⅝
4	5 x 4⅞	4 x 3	¾	6⅞ x 3⅞	5 x 2	¾
5 6	6½ x 5½	5¼ x 3¾	⅞	6⅞ x 3¾	5 x 2½	¾

SPECIFICATIONS

SERIES 52-A/51-A



WHEEL SPECIFICATIONS			CASTER SPECIFICATIONS								
Diameter "A" Inches	Face Inches	Type	Caster Load Cap. † lbs.	SWIVEL CASTERS		Swivel Radius "C" Inches	Approx. Weight lbs.	MATCHING RIGID CASTERS		Approx. Weight lbs.	Overall Height "B" Inches
				Plain Bearing	Straight Roller Bearing			Plain Bearing	Straight Roller Bearing		
2½	1	Semi-Steel	225	52-A-25	152-A-25	2½/16	1¼	51-A-25	151-A-25	1½	3¼
		Solid Rubber ST	110	3ST52-A-25			1	3ST51-A-25		¾	
		Solid Rubber HT	175	3HT52-A-25			1	3HT51-A-25		¾	
		Bonduthane	175	852-A-25			1	851-A-25		¾	
	1½	Bondrelene	175	952-A-25			1	951-A-25		¾	
3	1¼	Semi-Steel	350	52-A-3	152-A-3	2¾/16	2⅞	51-A-3	151-A-3	2¼	3¾
		Solid Rubber ST	125	3ST52-A-3	13ST52-A-3		1¾	3ST51-A-3	13ST51-A-3	1½	
		Solid Rubber HT	210	3HT52-A-3	13HT52-A-3		1¾	3HT51-A-3	13HT51-A-3	1½	
	1½	Bondcelon	350	452-A-3	1452-A-3		1¾	451-A-3	1451-A-3	1½	
	1¼	Bondrelene	300	952-A-3			1¾	951-A-3		1½	
4	1½	Semi-Steel	500	52-A-4	152-A-4	3¼/16	4¼	51-A-4	151-A-4	4	5
		V-Groove	500		1VG52-A-4		4¼		1VG51-A-4	3¾	
		Solid Rubber ST	225	3ST52-A-4	13ST52-A-4		3¼	3ST51-A-4	13ST51-A-4	2	
		Solid Rubber HT	400	3HT52-A-4	13HT52-A-4		3¼	3HT51-A-4	13HT51-A-4	2	
		Bondcelon	500		1452-A-4		3¼		1451-A-4	2	
		Vulc-On G1	200		1552-A-4		4⅞		1551-A-4	3¾	
		Vulc-On G2	400		1652-A-4		4⅞		1651-A-4	3¾	
		Vulc-On G3	200		1752-A-4		4⅞		1751-A-4	3¾	
		Bonduthane	500		1852-A-4		4¾		1851-A-4	3½	
		Bondrelene	450*	952-A-4	1952-A-4		3	951-A-4	1951-A-4	1¾	
5	2	Semi-Steel	550	52-A-5	152-A-5	4⅛	9	51-A-5	151-A-5	6½	6¼
	1¾	V-Groove	550		1VG52-A-5		9½		1VG51-A-5	7	
	2	Solid Rubber ST	250	3ST52-A-5	13ST52-A-5		6¼	3ST51-A-5	13ST51-A-5	3¾	
		Solid Rubber HT	425	3HT52-A-5	13HT52-A-5		6¼	3HT51-A-5	13HT51-A-5	3¾	
		Bondcelon	550		1452-A-5		5¾		1451-A-5	3½	
		Vulc-On G1	320		1552-A-5		8¼		1551-A-5	6¼	
		Vulc-On G2	550		1652-A-5		8¼		1651-A-5	6¼	
		Vulc-On G3	320		1752-A-5		8¼		1751-A-5	6¼	
		Bonduthane	550		1852-A-5		7¾		1851-A-5	5¼	
		Bondrelene	550*	952-A-5	1952-A-5		5	951-A-5	1951-A-5	2¾	
6	2	Semi-Steel	700	52-A-6	152-A-6	4¾	10¼	51-A-6	151-A-6	7¾	7¼
		V-Groove	700		1VG52-A-6		9¼		1VG51-A-6	6¾	
		Solid Rubber ST	400	3ST52-A-6	13ST52-A-6		7½	3ST51-A-6	13ST51-A-6	5	
		Solid Rubber HT	560	3HT52-A-6	13HT52-A-6		7½	3HT51-A-6	13HT51-A-6	5	
		Bondcelon	700		1452-A-6		6¾		1451-A-6	4¼	
		Vulc-On G1	340		1552-A-6		9¼		1551-A-6	6¾	
		Vulc-On G2	680		1652-A-6		9¼		1651-A-6	6¾	
		Vulc-On G3	340		1752-A-6		9¼		1751-A-6	6¾	
		Bonduthane	700		1852-A-6		9¼		1851-A-6	7¼	
		Bondrelene	650*	952-A-6	1952-A-6		5½	951-A-6	1951-A-6	3	

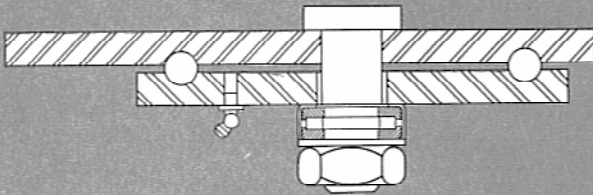
† Load rating is for manual operation.
* With plain bearing wheel reduce capacity by 100 lbs.

Bona 72-A SWIVEL
SERIES 73-A RIGID

EXTRA HEAVY DUTY TRAILER CASTERS

(Mercury Type)

Capacity range 840 lbs. to 4000 lbs. per caster



The casters are designed specifically for power drawn applications. The offset king pin places the wheel near the outboard edge of the vehicle assuring great stability and excellent tracking. A large main load bearing provides the easy swivelling action desired. The selection of wheels and tread types will meet any power drawn requirement.

FEATURES

Construction: Durable fabricated construction features extra heavy steel plate for top plate and yoke.

Swivel: A large diameter precision machined ball race with a full compliment of large diameter hardened and polished steel balls makes up the main load bearing. Secondary bearing is a precision thrust bearing.

Fork: Deep drawn legs for strength, continuously welded inside and out to the yoke.

King Bolt: High strength steel with slotted adjusting nut and cotter pin.

Axle: High strength steel, threaded both ends.

Wheels: 8, 10, and 12 inch diameters in rubber, plastic, urethane or metal tread.

Wheel Bearings: All wheels are available with tapered or straight roller bearings. Straight roller bearings consist of a split outer raceway with high quality hardened steel rollers held parallel to the axle by a steel retainer. A hardened and ground steel sleeve provides a precision inner race.

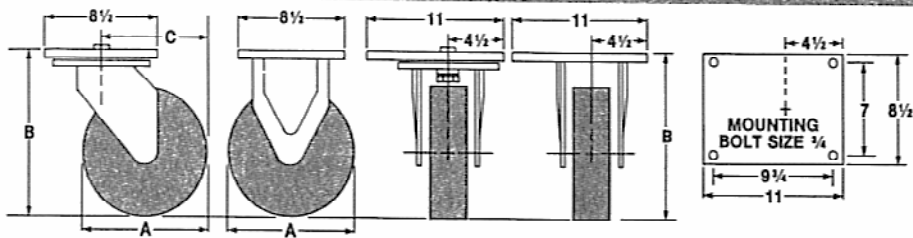
Lubrication: Readily accessible pressure fittings in swivel assembly and hub.

Finish: Durable corrosion resistant finish.

RIGID CASTER: The 73-A matching rigid caster has the same type of welded steel construction, wheel offset and wheel selection as the swivel.

SPECIFICATIONS

SERIES 72-A/73-A



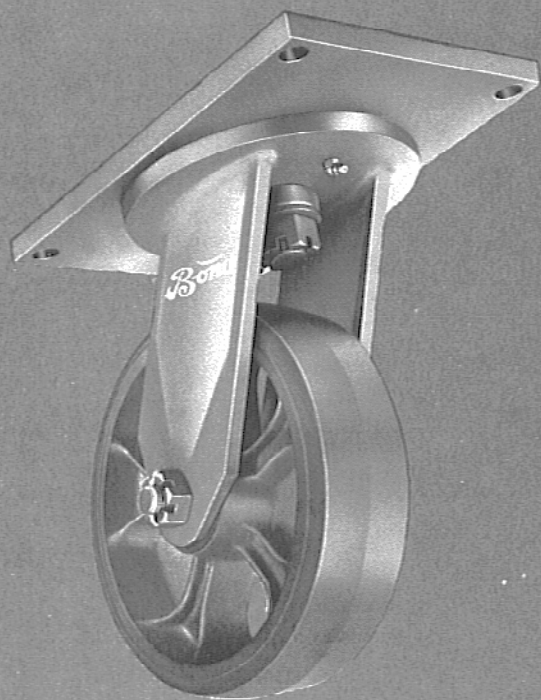
WHEEL SPECIFICATIONS			CASTER SPECIFICATIONS										
Diameter "A" Inches	Face Inches	Type	Caster Load Cap.† lbs.	SWIVEL CASTERS			Swivel Radius "C" Inches	Approx. Weight lbs.	MATCHING RIGID CASTERS		Overall Height "B" Inches		
				CASTER NUMBER		CASTER NUMBER							
				Straight Roller Bearing	Tapered Roller Bearing			Straight Roller Bearing	Tapered Roller Bearing	Approx. Weight lbs.			
8	3	Semi-Steel	2500	172-A-8	T172-A-8	7 1/4	60	173-A-8	T173-A-8	50	11		
		Bondcelon	2500	1472-A-8	T1472-A-8		46 1/4	1473-A-8	T1473-A-8	36 1/4			
		Vulc-On G1	840	1572-A-8	T1572-A-8		54	1573-A-8	T1573-A-8	44			
		Vulc-On G2	1680	1672-A-8	T1672-A-8		54	1673-A-8	T1673-A-8	44			
		Vulc-On G3	840	1772-A-8	T1772-A-8		54	1773-A-8	T1773-A-8	44			
		Bonduthane	2500	1872-A-8	T1872-A-8		53	1873-A-8	T1873-A-8	43			
10	3	Semi-Steel	3000	172-A-10	T172-A-10	8 3/4	63	173-A-10	T173-A-10	53	12 3/4		
		Bondcelon	2600	1472-A-10	T1472-A-10		48 3/4	1473-A-10	T1473-A-10	38 3/4			
		Vulc-On G1	1000	1572-A-10	T1572-A-10		58	1573-A-10	T1573-A-10	48			
		Vulc-On G2	2000	1672-A-10	T1672-A-10		58	1673-A-10	T1673-A-10	48			
		Vulc-On G3	1000	1772-A-10	T1772-A-10		58	1773-A-10	T1773-A-10	48			
		Bonduthane	3000	1872-A-10	T1872-A-10		59	1873-A-10	T1873-A-10	49			
	4	Vulc-On G1	1400	1572-A-10-4	T1572-A-10-4	9	66	1573-A-10-4	T1573-A-10-4	56	12 3/4		
		Vulc-On G2	2800	1672-A-10-4	T1672-A-10-4		66	1673-A-10-4	T1673-A-10-4	56			
		Vulc-On G3	1400	1772-A-10-4	T1772-A-10-4		66	1773-A-10-4	T1773-A-10-4	56			
		Bonduthane	4000	1872-A-10-4	T1872-A-10-4		69	1873-A-10-4	T1873-A-10-4	59			
		Semi-Steel	3500	172-A-12	T172-A-12		10 5/8	84	173-A-12	T173-A-12		74	15
		Bondcelon	3500	1472-A-12	T1472-A-12			51 3/4	1473-A-12	T1473-A-12		41 3/4	
Vulc-On G1	1140	1572-A-12	T1572-A-12	66	1573-A-12	T1573-A-12		56					
Vulc-On G2	2280	1672-A-12	T1672-A-12	66	1673-A-12	T1673-A-12		56					
Vulc-On G3	1140	1772-A-12	T1772-A-12	66	1773-A-12	T1773-A-12		56					
Bonduthane	3500	1872-A-12	T1872-A-12	71	1873-A-12	T1873-A-12		61					
12	3 1/2	Semi-Steel	4000	172-A-12-35	T172-A-12-35	10 1/4	86	173-A-12-35	T173-A-12-35	76	15		
		Vulc-On G1	1370	1572-A-12-35	T1572-A-12-35		71	1573-A-12-35	T1573-A-12-35	61			
		Vulc-On G2	2740	1672-A-12-35	T1672-A-12-35		71	1673-A-12-35	T1673-A-12-35	61			
		Vulc-On G3	1370	1772-A-12-35	T1772-A-12-35		71	1773-A-12-35	T1773-A-12-35	61			
		Bonduthane	4000	1872-A-12-35	T1872-A-12-35		72	1873-A-12-35	T1873-A-12-35	62			
	4	Semi-Steel	4000	172-A-12-4	T172-A-12-4	10 5/8	92	173-A-12-4	T173-A-12-4	82		15	
		Vulc-On G1	1600	1572-A-12-4	T1572-A-12-4		73	1573-A-12-4	T1573-A-12-4	63			
		Vulc-On G2	3200	1672-A-12-4	T1672-A-12-4		73	1673-A-12-4	T1673-A-12-4	63			
		Vulc-On G3	1600	1772-A-12-4	T1772-A-12-4		73	1773-A-12-4	T1773-A-12-4	63			
		Bonduthane	4000	1872-A-12-4	T1872-A-12-4		73	1873-A-12-4	T1873-A-12-4	63			

†Load rating is for manual operation. For power drawn application information, consult factory.

Bona 74^{-A} SWIVEL
SERIES 75^{-A} RIGID

EXTRA HEAVY DUTY TRAILER CASTERS

Capacity range
840 lbs. to 4000 lbs. per caster



These casters are designed for the rigors of power drawn applications . . . heavy gauge steel construction . . . large swivel bearing . . . excellent wheel selection.

FEATURES

Construction: Durable fabricated construction features heavy steel plate for top plate and yoke.

Swivel: Large diameter hardened and polished steel balls in a large diameter precision machined raceway constitute the main load bearing. The secondary load bearing is a precision tapered roller thrust bearing.

Fork: Wide, deep formed legs are continuously welded, inside and out to the yoke base.

King Bolt: High strength steel bolt with slotted adjusting nut and cotter pin.

Axle: High strength steel, threaded both ends.

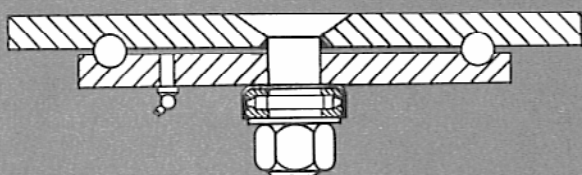
Wheels: Three floor protective—rubber, plastic or urethane treads and steel.

Wheel Bearings: Tapered roller or straight roller bearings are available for all wheels. Straight roller bearings have a hardened and ground steel sleeve that forms a precision inner race.

Lubrication: Readily accessible pressure fittings in swivel assembly and wheel hub.

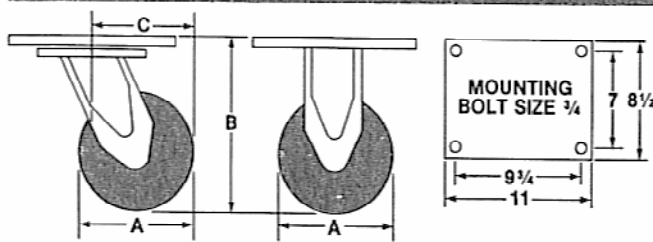
Finish: Durable corrosion resistant finish.

RIGID CASTER: The 75-A matching rigid caster has the same type of welded construction and wheel selection.



SPECIFICATIONS

SERIES 74-A/75-A

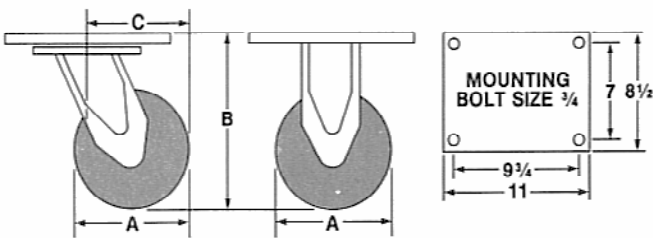


WHEEL SPECIFICATIONS			CASTER SPECIFICATIONS								
Diameter "A" Inches	Face Inches	Type	Caster Load Cap.† lbs.	SWIVEL CASTERS		Swivel Radius "C" Inches	Approx. Weight lbs.	MATCHING RIGID CASTERS		Approx. Weight lbs.	Overall Height "B" Inches
				CASTER NUMBER				CASTER NUMBER			
				Straight Roller Bearing	Tapered Roller Bearing			Straight Roller Bearing	Tapered Roller Bearing		
8	3	Semi-Steel	2500	174-A-8	T174-A-8	7 1/4	51	175-A-8	T175-A-8	41	11
		Bondcelon	2500	1474-A-8	T1474-A-8		37 1/4	1475-A-8	T1475-A-8	27 1/4	
		Vulc-On G1	840	1574-A-8	T1574-A-8		45	1575-A-8	T1575-A-8	35	
		Vulc-On G2	1680	1674-A-8	T1674-A-8		45	1675-A-8	T1675-A-8	35	
		Vulc-On G3	840	1774-A-8	T1774-A-8		45	1775-A-8	T1775-A-8	35	
		Bonduthane	2500	1874-A-8	T1874-A-8		44	1875-A-8	T1875-A-8	34	
10	3	Semi-Steel	3000	174-A-10	T174-A-10	8 3/4	56	175-A-10	T175-A-10	46	12 3/4
		Bondcelon	2600	1474-A-10	T1474-A-10		39 3/4	1475-A-10	T1475-A-10	29 3/4	
		Vulc-On G1	1000	1574-A-10	T1574-A-10		49	1575-A-10	T1575-A-10	39	
		Vulc-On G2	2000	1674-A-10	T1674-A-10		49	1675-A-10	T1675-A-10	39	
		Vulc-On G3	1000	1774-A-10	T1774-A-10		49	1775-A-10	T1775-A-10	39	
		Bonduthane	3000	1874-A-10	T1874-A-10		52	1875-A-10	T1875-A-10	42	
	4	Vulc-On G1	1400	1574-A-10-4	T1574-A-10-4	9	59	1575-A-10-4	T1575-A-10-4	49	
		Vulc-On G2	2800	1674-A-10-4	T1674-A-10-4		59	1675-A-10-4	T1675-A-10-4	49	
		Vulc-On G3	1400	1774-A-10-4	T1774-A-10-4		59	1775-A-10-4	T1775-A-10-4	49	
		Bonduthane	4000	1874-A-10-4	T1874-A-10-4		62	1875-A-10-4	T1875-A-10-4	52	
12	3	Semi-Steel	3500	174-A-12	T174-A-12	10 5/8	81	175-A-12	T175-A-12	71	15
		Bondcelon	3500	1474-A-12	T1474-A-12		42 3/4	1475-A-12	T1475-A-12	32 3/4	
		Vulc-On G1	1140	1574-A-12	T1574-A-12		61	1575-A-12	T1575-A-12	51	
		Vulc-On G2	2280	1674-A-12	T1674-A-12		61	1675-A-12	T1675-A-12	51	
		Vulc-On G3	1140	1774-A-12	T1774-A-12		61	1775-A-12	T1775-A-12	51	
		Bonduthane	3500	1874-A-12	T1874-A-12		66	1875-A-12	T1875-A-12	56	
	3 1/2	Semi-Steel	4000	174-A-12-35	T174-A-12-35	10 1/4	83	175-A-12-35	T175-A-12-35	73	
		Vulc-On G1	1370	1574-A-12-35	T1574-A-12-35		66	1575-A-12-35	T1575-A-12-35	56	
		Vulc-On G2	2740	1674-A-12-35	T1674-A-12-35		66	1675-A-12-35	T1675-A-12-35	56	
		Vulc-On G3	1370	1774-A-12-35	T1774-A-12-35		66	1775-A-12-35	T1775-A-12-35	56	
		Bonduthane	4000	1874-A-12-35	T1874-A-12-35		69	1875-A-12-35	T1875-A-12-35	59	
	4	Semi-Steel	4000	174-A-12-4	T174-A-12-4	10 3/8	89	175-A-12-4	T175-A-12-4	79	
		Vulc-On G1	1600	1574-A-12-4	T1574-A-12-4		68	1575-A-12-4	T1575-A-12-4	58	
		Vulc-On G2	3200	1674-A-12-4	T1674-A-12-4		68	1675-A-12-4	T1675-A-12-4	58	
		Vulc-On G3	1600	1774-A-12-4	T1774-A-12-4		68	1775-A-12-4	T1775-A-12-4	58	
		Bonduthane	4000	1874-A-12-4	T1874-A-12-4		70	1875-A-12-4	T1875-A-12-4	60	

†Load rating is for manual operation. For power drawn application information, consult factory.

SPECIFICATIONS

SERIES 74-A/75-A



WHEEL SPECIFICATIONS			CASTER SPECIFICATIONS										
Diameter "A" Inches	Face Inches	Type	Caster Load Cap. † lbs.	SWIVEL CASTERS		Swivel Radius "C" Inches	Approx. Weight lbs.	MATCHING RIGID CASTERS		Overall Height "B" Inches			
				CASTER NUMBER				CASTER NUMBER					
				Straight Roller Bearing	Tapered Roller Bearing			Straight Roller Bearing	Tapered Roller Bearing	Approx. Weight lbs.			
8	3	Semi-Steel	2500	174-A-8	T174-A-8	7 1/4	51	175-A-8	T175-A-8	41			
		Bondcelon	2500	1474-A-8	T1474-A-8		37 1/4	1475-A-8	T1475-A-8	27 1/4			
		Vulc-On G1	840	1574-A-8	T1574-A-8		45	1575-A-8	T1575-A-8	35			
		Vulc-On G2	1680	1674-A-8	T1674-A-8		45	1675-A-8	T1675-A-8	35			
		Vulc-On G3	840	1774-A-8	T1774-A-8		45	1775-A-8	T1775-A-8	35			
		Bonduthane	2500	1874-A-8	T1874-A-8		44	1875-A-8	T1875-A-8	34			
10	3	Semi-Steel	3000	174-A-10	T174-A-10	8 3/4	56	175-A-10	T175-A-10	46			
		Bondcelon	2600	1474-A-10	T1474-A-10		39 3/4	1475-A-10	T1475-A-10	29 3/4			
		Vulc-On G1	1000	1574-A-10	T1574-A-10		49	1575-A-10	T1575-A-10	39			
		Vulc-On G2	2000	1674-A-10	T1674-A-10		49	1675-A-10	T1675-A-10	39			
		Vulc-On G3	1000	1774-A-10	T1774-A-10		49	1775-A-10	T1775-A-10	39			
		Bonduthane	3000	1874-A-10	T1874-A-10		52	1875-A-10	T1875-A-10	42			
	4	Vulc-On G1	1400	1574-A-10-4	T1574-A-10-4	9	59	1575-A-10-4	T1575-A-10-4	49			
		Vulc-On G2	2800	1674-A-10-4	T1674-A-10-4		59	1675-A-10-4	T1675-A-10-4	49			
		Vulc-On G3	1400	1774-A-10-4	T1774-A-10-4		59	1775-A-10-4	T1775-A-10-4	49			
		Bonduthane	4000	1874-A-10-4	T1874-A-10-4		62	1875-A-10-4	T1875-A-10-4	52			
		12	3	Semi-Steel	3500		174-A-12	T174-A-12	10 5/8	81	175-A-12	T175-A-12	71
				Bondcelon	3500		1474-A-12	T1474-A-12		42 3/4	1475-A-12	T1475-A-12	32 3/4
Vulc-On G1	1140			1574-A-12	T1574-A-12	61	1575-A-12	T1575-A-12		51			
Vulc-On G2	2280			1674-A-12	T1674-A-12	61	1675-A-12	T1675-A-12		51			
Vulc-On G3	1140			1774-A-12	T1774-A-12	61	1775-A-12	T1775-A-12		51			
Bonduthane	3500			1874-A-12	T1874-A-12	66	1875-A-12	T1875-A-12		56			
3 1/2	Semi-Steel	4000	174-A-12-35	T174-A-12-35	10 1/4	83	175-A-12-35	T175-A-12-35	73				
	Vulc-On G1	1370	1574-A-12-35	T1574-A-12-35		66	1575-A-12-35	T1575-A-12-35	56				
	Vulc-On G2	2740	1674-A-12-35	T1674-A-12-35		66	1675-A-12-35	T1675-A-12-35	56				
	Vulc-On G3	1370	1774-A-12-35	T1774-A-12-35		66	1775-A-12-35	T1775-A-12-35	56				
	Bonduthane	4000	1874-A-12-35	T1874-A-12-35		69	1875-A-12-35	T1875-A-12-35	59				
4	Semi-Steel	4000	174-A-12-4	T174-A-12-4	10 3/8	89	175-A-12-4	T175-A-12-4	79				
	Vulc-On G1	1600	1574-A-12-4	T1574-A-12-4		68	1575-A-12-4	T1575-A-12-4	58				
	Vulc-On G2	3200	1674-A-12-4	T1674-A-12-4		68	1675-A-12-4	T1675-A-12-4	58				
	Vulc-On G3	1600	1774-A-12-4	T1774-A-12-4		68	1775-A-12-4	T1775-A-12-4	58				
	Bonduthane	4000	1874-A-12-4	T1874-A-12-4		70	1875-A-12-4	T1875-A-12-4	60				

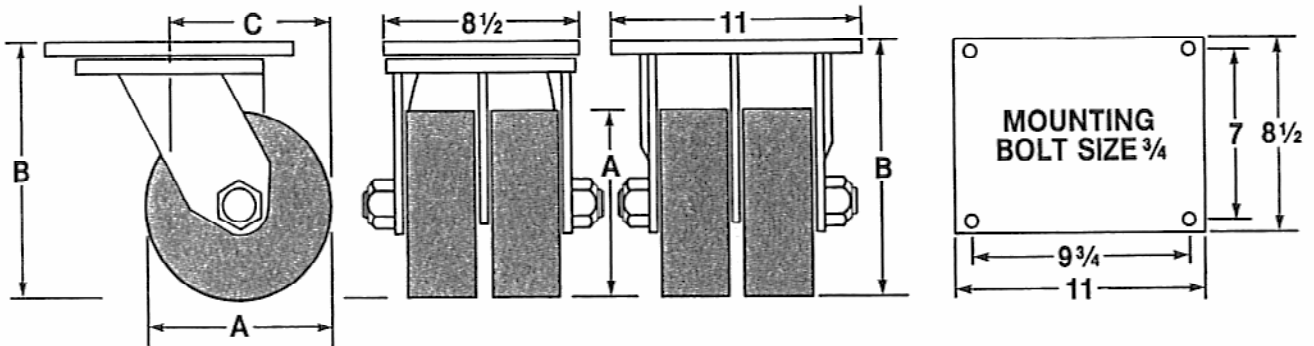
†Load rating is for manual operation. For power drawn application information, consult factory.

SERIES 76-A/77-A DUAL WHEEL

WHEEL SPECIFICATIONS			CASTER SPECIFICATIONS								
Diameter "A" Inches	Face Inches	Type	SWIVEL CASTERS				MATCHING RIGID CASTERS				Overall Height "B" Inches
			Caster Load Cap. † lbs.	CASTER NUMBER		Swivel Radius "C" Inches	Approx. Weight lbs.	CASTER NUMBER		Approx. Weight lbs.	
				Straight Roller Bearing	Tapered Roller Bearing			Straight Roller Bearing	Tapered Roller Bearing		
8	3	Semi-Steel	4000	176-A-8	T176-A-8	7⁷/₈	91	177-A-8	T177-A-8	81	11
		Bondcelon	4000	1476-A-8	T1476-A-8		63 ¹ / ₂	1477-A-8	T1477-A-8	53 ¹ / ₂	
		Vulc-On G1	1680	1576-A-8	T1576-A-8		79	1577-A-8	T1577-A-8	69	
		Vulc-On G2	3360	1676-A-8	T1676-A-8		79	1677-A-8	T1677-A-8	69	
		Vulc-On G3	1680	1776-A-8	T1776-A-8		79	1777-A-8	T1777-A-8	69	
		Bonduthane	4000	1876-A-8	T1876-A-8		77	1877-A-8	T1877-A-8	67	
10	3	Semi-Steel	4000	176-A-10	T176-A-10	8³/₄	99	177-A-10	T177-A-10	89	12³/₄
		Bondcelon	4000	1476-A-10	T1476-A-10		70 ¹ / ₂	1477-A-10	T1477-A-10	60 ¹ / ₂	
		Vulc-On G1	2000	1576-A-10	T1576-A-10		89	1577-A-10	T1577-A-10	79	
		Vulc-On G2	4000	1676-A-10	T1676-A-10		89	1677-A-10	T1677-A-10	79	
		Vulc-On G3	2000	1776-A-10	T1776-A-10		89	1777-A-10	T1777-A-10	79	
		Bonduthane	4000	1876-A-10	T1876-A-10		91	1877-A-10	T1877-A-10	81	
12	3	Semi-Steel	4000	176-A-12	T176-A-12	9¹/₁₆	143	177-A-12	T177-A-12	133	15
		Bondcelon	4000	1476-A-12	T1476-A-12		78 ¹ / ₂	1477-A-12	T1477-A-12	68 ¹ / ₂	
		Vulc-On G1	2280	1576-A-12	T1576-A-12		107	1577-A-12	T1577-A-12	97	
		Vulc-On G2	4000	1676-A-12	T1676-A-12		107	1677-A-12	T1677-A-12	97	
		Vulc-On G3	2280	1776-A-12	T1776-A-12		107	1777-A-12	T1777-A-12	97	
		Bonduthane	4000	1876-A-12	T1876-A-12		117	1877-A-12	T1877-A-12	107	

†Load rating is for manual operation. For power drawn application information, consult factory.
 Casters with 10" x 4" and 12" x 4" wheels are also available—consult factory.

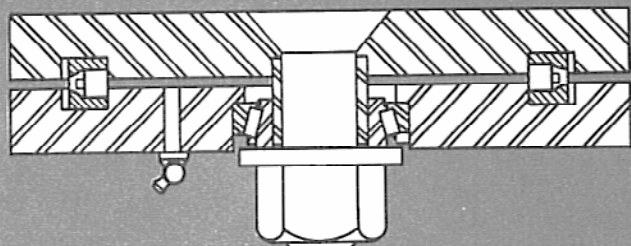
SWIVEL-SIDE VIEW SWIVEL-FRONT VIEW RIGID FRONT VIEW TOP PLATE



Bona 78-A SWIVEL
SERIES 79-A RIGID

SUPER DUTY CASTERS

Maximum capacity
to 6000 pounds per caster



These are heavy, rugged casters precision engineered and built with precision to meet those extra high capacity demands with the utmost in reliability and safety. Under load these are easy rolling, free swivelling performers.

FEATURES

Construction: Heavy section steel plate for both top plate and yoke base, precision machined for precision unit load bearing.

Swivel: Main load bearing is a large diameter self-contained precision roller bearing. Secondary load bearing is a tapered roller bearing.

Fork: Wide, deep formed legs continuously welded both inside and outside.

King Bolt: High strength steel bolt with slotted adjusting nut and cotter pin.

Axle: High strength steel, threaded both ends.

Wheels: Four tread surfaces plus V-grooved in a variety of sizes.

Wheel Bearings: Tapered roller bearing or straight roller bearing with hardened and ground steel sleeve.

Lubrication: Readily accessible pressure fittings to swivel and in wheel hub.

Finish: Durable corrosion resistant finish.

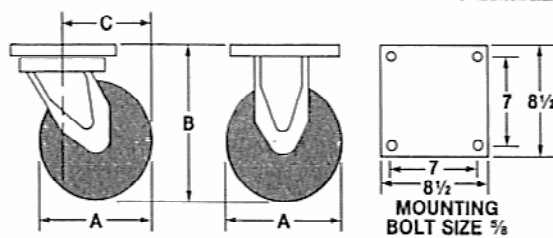
RIGID CASTER: The 79-A is the matching rigid for the 78-A swivel caster. It is made of the same heavy section plate. Legs are deep formed and welded both inside and outside and braced for maximum strength.

OPTIONAL EQUIPMENT

Swivel Locks—1, 2, or 4 position. To order, add suffix "SL-1" "SL-2" or "SL-4" to caster number.

SPECIFICATIONS

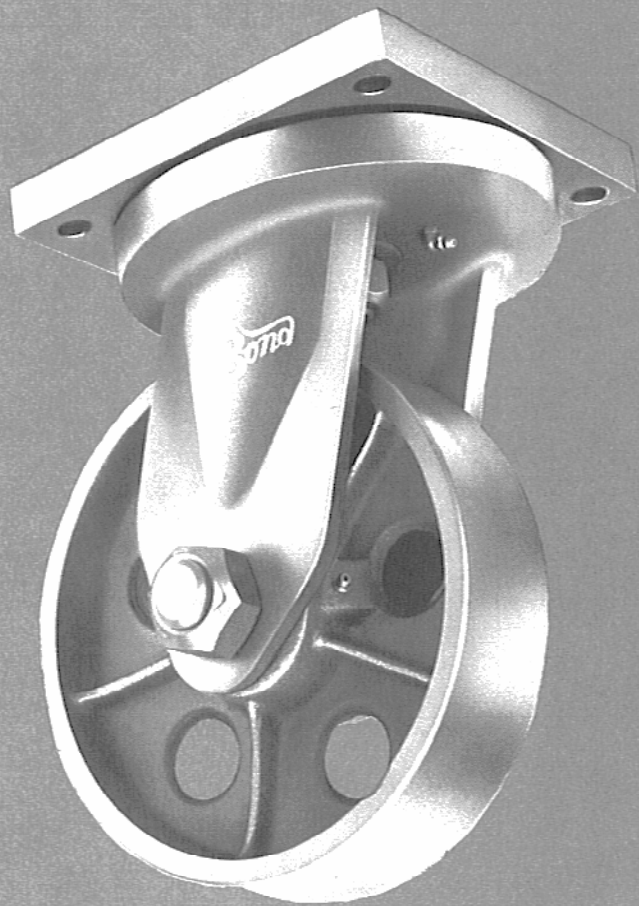
SERIES 78-A/79-A



WHEEL SPECIFICATIONS			CASTER SPECIFICATIONS								
Diameter "A" Inches	Face Inches	Type	SWIVEL CASTERS				MATCHING RIGID CASTERS				Overall Height "B" Inches
			Caster Load Cap.† lbs.	CASTER NUMBER		Swivel Radius "C" Inches	Approx. Weight lbs.	CASTER NUMBER		Approx. Weight lbs.	
				Straight Roller Bearing	Tapered Roller Bearing			Straight Roller Bearing	Tapered Roller Bearing		
8	3	Semi-Steel	6000	178-A-8	T178-A-8	6 11/16	67	179-A-8	T179-A-8	54	11
		V-Groove	4000	1VG78-A-8	T1VG78-A-8		68 1/2	1VG79-A-8	T1VG79-A-8	55 1/2	
		Bondcelon	2500	1478-A-8	T1478-A-8		53 3/4	1479-A-8	T1479-A-8	40 3/4	
		Bonduthane	2500	1878-A-8	T1878-A-8		60	1879-A-8	T1879-A-8	47	
10	3	Semi-Steel	6000	178-A-10	T178-A-10	7 11/16	70	179-A-10	T179-A-10	57	13
		V-Groove	6000	1VG78-A-10	T1VG78-A-10		75 1/2	1VG79-A-10	T1VG79-A-10	62 1/2	
		Bondcelon	3000	1478-A-10	T1478-A-10		55 3/4	1479-A-10	T1479-A-10	42 3/4	
		Vulc-OnG1	1000	1578-A-10	T1578-A-10		65	1579-A-10	T1579-A-10	52	
		Vulc-OnG2	2000	1678-A-10	T1678-A-10		65	1679-A-10	T1679-A-10	52	
		Vulc-OnG3	1000	1778-A-10	T1778-A-10		65	1779-A-10	T1779-A-10	52	
	Bonduthane	3000	1878-A-10	T1878-A-10	71	1879-A-10	T1879-A-10	58			
	4	4	Vulc-OnG1	1400	1578-A-10-4	T1578-A-10-4	7 13/16	73	1579-A-10-4	T1579-A-10-4	60
			Vulc-OnG2	2800	1678-A-10-4	T1678-A-10-4		73	1679-A-10-4	T1679-A-10-4	60
			Vulc-OnG3	1400	1778-A-10-4	T1778-A-10-4		73	1779-A-10-4	T1779-A-10-4	60
Bonduthane			4200	1878-A-10-4	T1878-A-10-4	76		1879-A-10-4	T1879-A-10-4	63	
12	3	Semi-Steel	6000	178-A-12	T178-A-12	8 5/8	91	179-A-12	T179-A-12	78	15 1/2
		Bondcelon	3500	1478-A-12	T1478-A-12		58 3/4	1479-A-12	T1479-A-12	45 3/4	
		Vulc-OnG1	1140	1578-A-12	T1578-A-12		73	1579-A-12	T1579-A-12	60	
		Vulc-OnG2	2280	1678-A-12	T1678-A-12		73	1679-A-12	T1679-A-12	60	
		Vulc-OnG3	1140	1778-A-12	T1778-A-12		73	1779-A-12	T1779-A-12	60	
		Bonduthane	3500	1878-A-12	T1878-A-12		78	1879-A-12	T1879-A-12	65	
	3 1/2	3 1/2	Semi-Steel	6000	178-A-12-35	T178-A-12-35	8 11/16	93	179-A-12-35	T179-A-12-35	80
			Vulc-OnG1	1370	1578-A-12-35	T1578-A-12-35		78	1579-A-12-35	T1579-A-12-35	65
			Vulc-OnG2	2740	1678-A-12-35	T1678-A-12-35		78	1679-A-12-35	T1679-A-12-35	65
			Vulc-OnG3	1370	1778-A-12-35	T1778-A-12-35		78	1779-A-12-35	T1779-A-12-35	65
			Bonduthane	4100	1878-A-12-35	T1878-A-12-35		79	1879-A-12-35	T1879-A-12-35	66
	4	4	Semi-Steel	6000	178-A-12-4	T178-A-12-4	8 3/4	99	179-A-12-4	T179-A-12-4	86
			Bondcelon	6000		T1478-A-12-4		71		T1479-A-12-4	58
			Vulc-OnG1	1600	1578-A-12-4	T1578-A-12-4		80	1579-A-12-4	T1579-A-12-4	67
			Vulc-OnG2	3200	1678-A-12-4	T1678-A-12-4		80	1679-A-12-4	T1679-A-12-4	67
			Vulc-OnG3	1600	1778-A-12-4	T1778-A-12-4		80	1779-A-12-4	T1779-A-12-4	67
								80			67
			Bonduthane	4800	1878-A-12-4	T1878-A-12-4		80	1879-A-12-4	T1879-A-12-4	67

†Load rating for manual operation. For power drawn application information, consult factory.

Maximum capacity
to 6000 pounds per caster



These are heavy, rugged casters precision engineered and built with precision to meet those extra high capacity demands with the utmost in reliability and safety. Under load these are easy rolling, free swivelling performers.

FEATURES

Construction: Heavy section steel plate for both top plate and yoke base, precision machined for bearing.

Swivel: Main load bearing is a large diameter raceway with large diameter hardened steel balls. Secondary load bearing is a tapered roller bearing.

Fork: Wide, deep formed legs continuously welded both inside and outside.

King Bolt: High strength steel bolt with slotted adjusting nut and cotter pin.

Axle: High strength steel, threaded both ends.

Wheels: Four tread surfaces plus V-grooved in a variety of sizes.

Wheel Bearings: Tapered roller bearing or straight roller bearing with hardened and ground sleeve.

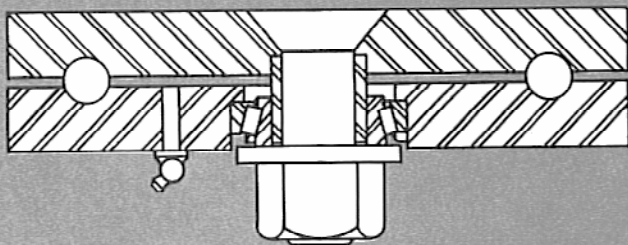
Lubrication: Readily accessible pressure fittings to swivel and in wheel hub.

Finish: Durable corrosion resistant finish.

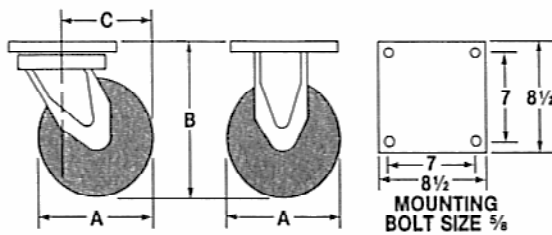
RIGID CASTER: The 79-A (page 35) is the matching rigid for the 80-A swivel caster. It is made of the same heavy section plate. Legs are deep formed and welded both inside and outside and braced for maximum strength.

OPTIONAL EQUIPMENT

Swivel Locks—1, 2, or 4 position. To order, add suffix "SL-1", "SL-2", or "SL-4" to caster number.



SERIES 80-A SWIVEL CASTER



WHEEL DESCRIPTION			CASTER SPECIFICATIONS					
Diameter "A" Inches	Face Inches	Type	Caster Load Cap. † lbs.	SWIVEL CASTERS		Swivel Radius "C" Inches	Approx. Weight lbs.	Overall Height "B" Inches
				CASTER NUMBER*				
				Straight Roller Bearing	Tapered Roller Bearing			
8	3	Semi-Steel	6000	180-A-8	T180-A-8	6 ¹¹ / ₁₆	67	11
		V-Groove	4000	1VG80-A-8	T1VG80-A-8		68 ¹ / ₂	
		Bondcelon	2500	1480-A-8	T1480-A-8		53 ¹ / ₄	
		Bonduthane	2500	1880-A-8	T1880-A-8		60	
10	3	Semi-Steel	6000	180-A-10	T180-A-10	7 ¹¹ / ₁₆	70	13
		V-Groove	6000	1VG80-A-10	T1VG80-A-10		75 ¹ / ₂	
		Bondcelon	3000	1480-A-10	T1480-A-10		53 ¹ / ₄	
		Vulc-OnG1	1000	1580-A-10	T1580-A-10		65	
		Vulc-OnG2	2000	1680-A-10	T1680-A-10		65	
		Vulc-OnG3	1000	1780-A-10	T1780-A-10		65	
	Bonduthane	3000	1880-A-10	T1880-A-10	71			
	4	Vulc-OnG1	1400	1580-A-10-4	T1580-A-10-4	7 ¹³ / ₁₆	73	
		Vulc-OnG2	2800	1680-A-10-4	T1680-A-10-4		73	
		Vulc-OnG3	1400	1780-A-10-4	T1780-A-10-4		73	
		Bonduthane	4200	1880-A-10-4	T1880-A-10-4		76	
	12	3	Semi-Steel	6000	180-A-12	T180-A-12	8 ⁵ / ₈	
Bondcelon			3500	1480-A-12	T1480-A-12	58 ³ / ₄		
Vulc-OnG1			1140	1580-A-12	T1580-A-12	73		
Vulc-OnG2			2280	1680-A-12	T1680-A-12	73		
Vulc-OnG3			1140	1780-A-12	T1780-A-12	73		
Bonduthane			3500	1880-A-12	T1880-A-12	78		
3 ¹ / ₂		Semi-Steel	6000	180-A-12-35	T180-A-12-35	8 ¹¹ / ₁₆	93	
		Vulc-OnG1	1370	1580-A-12-35	T1580-A-12-35		78	
		Vulc-OnG2	2740	1680-A-12-35	T1680-A-12-35		78	
		Vulc-OnG3	1370	1780-A-12-35	T1780-A-12-35		78	
		Bonduthane	4100	1880-A-12-35	T1880-A-12-35		79	
4		Semi-Steel	6000	180-A-12-4	T180-A-12-4	8 ³ / ₄	99	
		Bondcelon	6000		T1480-A-12-4		71	
		Vulc-OnG1	1600	1580-A-12-4	T1580-A-12-4		80	
		Vulc-OnG2	3200	1680-A-12-4	T1680-A-12-4		80	
		Vulc-OnG3	1600	1780-A-12-4	T1780-A-12-4		80	
		Bonduthane	4800	1880-A-12-4	T1880-A-12-4		77	

†Load rating is for manual operation. For power drawn application information, consult factory.

*For matching rigid caster see Series 79-A, page 35.

Bona® 82-A SWIVEL
SERIES 83-A RIGID

VERY HEAVY DUTY CASTERS

Maximum capacity
1500 pounds per caster



The "MITY-MITE" is designed specifically for very heavy in-plant service and features **HIGH CAPACITY, LOW HEIGHT** and **LONG LIFE**.

FEATURES

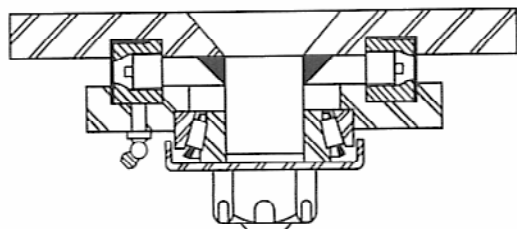
Construction: Heavy gauge steel plate, machined and welded to provide the rugged construction needed for heavy factory service where uneven floors, metal chips, etc might be encountered.

Swivel: Precision bearing units are provided for both load bearing and thrust. Bearing units are replaceable.

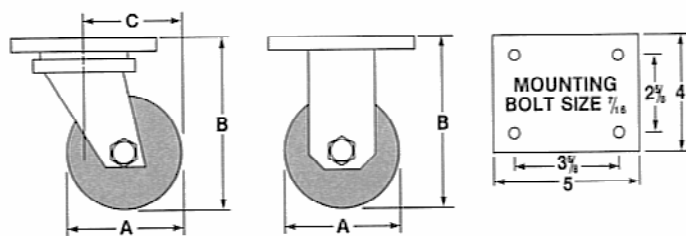
Kingpin: High strength steel bolt with slotted nut and cotter pin.

Wheel: Semi-steel with roller bearings.

Lubrication: Pressure fitting in yoke base serves complete swivel. Wheel is lubricated through hub.



Cross section of swivel bearing assembly.



SPECIFICATIONS/SERIES 82-A/83-A

WHEEL SPECIFICATIONS			CASTER SPECIFICATIONS								
Diameter "A" Inches	Face Inches	Type	Caster Load Cap.† lbs.	SWIVEL CASTERS			MATCHING RIGID CASTERS				
				CASTER NUMBER		Swivel Radius "C" Inches	Approx. Weight lbs.	CASTER NUMBER		Approx. Weight lbs.	Overall Height "B" Inches
Straight Roller Bearing		Straight Roller Bearing									
3	1 1/4	Semi-Steel	1500	182-A-3		3 5/16	6 3/4	183-A-3		5 1/2	4 1/2
4	1 1/2	Semi-Steel	1500	182-A-4		3 11/32	8 1/4	183-A-4		7	5 29/32

†Load rating is for manual operation.

Bond

SERIES 3-A SWIVEL 1-A RIGID

LIGHT MEDIUM DUTY CASTERS

Maximum capacity
to 350 pounds per caster



SWIVEL BEARING—Hardened and polished steel balls fit into an exceptionally large diameter single ball race placed to adequately carry the load and absorb side shocks.

The Bond 3-A single ball race swivel caster and the companion 1-A are unusually sturdy, efficient and economical to buy and maintain. They are made of semi-steel and when combined with the plain bearing semi-steel wheel, are well suited for high temperature applications. They are also available with hard or soft tread rubber wheels.

FEATURES

Construction: Cast semi-steel top plate, cup and legs provide excellent resistance to impact and abuse.

King Pin: Rivet type with large steel washer for strength.

Axle: For roller bearing wheels, bolt and nut construction is used. Rivets are used on plain bearing wheels except for 2" thru 4" solid rubber wheels which use a cotter pin.

Lubrication: Pressure fittings for swivel and straight roller bearing wheels. Oil holes are provided for plain bearing semi-steel wheels.

COMPANION RIGID CASTER—The 1-A series rigid caster is a one-piece semi-steel casting with generously reinforced sections for extra strength.

OPTIONAL FEATURES

Thread guards, add suffix—TG

DIMENSION CHART FOR 3-A AND 1-A APPEARS ON PAGE 40

SPECIFICATIONS SERIES 3-A/1-A

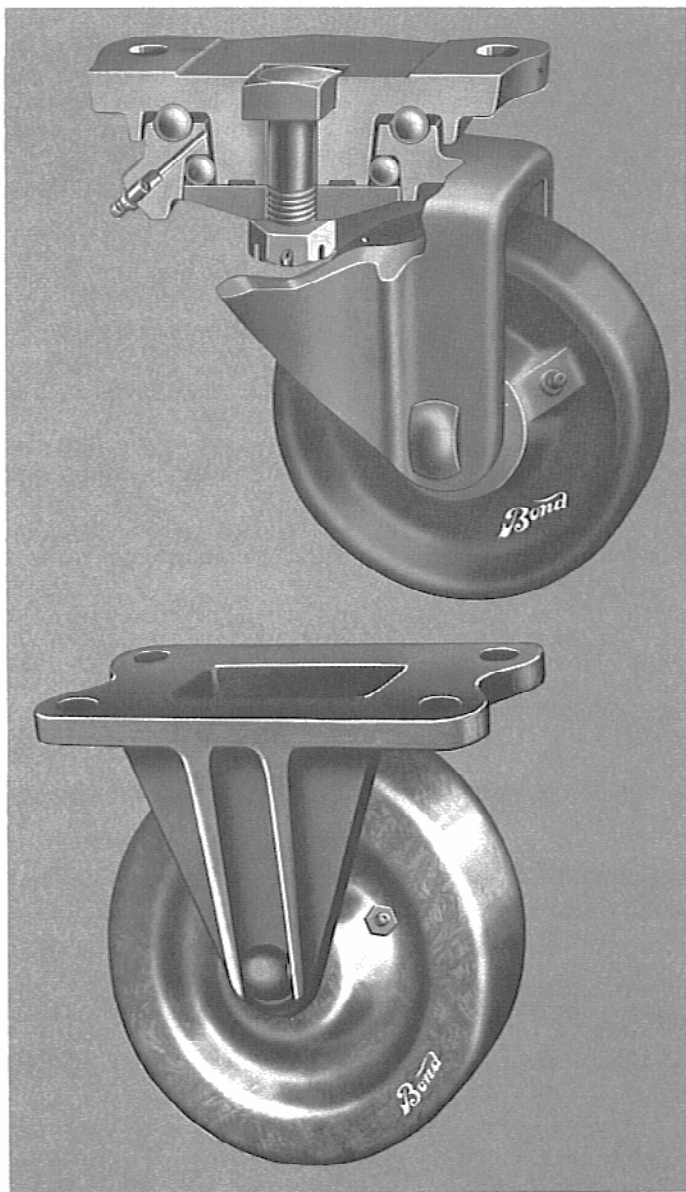
WHEEL SPECIFICATIONS			CASTER SPECIFICATIONS								
Diameter Inches	Face Inches	Type	SWIVEL CASTERS				COMPANION RIGID CASTERS				
			Caster Load Cap.† lbs.	CASTER NUMBER		Swivel Radius Inches	Approx. Weight lbs.	CASTER NUMBER		Approx. Weight lbs.	Overall Height Inches
Plain Bearing	Straight Roller Bearing	Plain Bearing		Straight Roller Bearing							
2	3/4	Semi-Steel	150	3-A-2		1 5/8	1 1/4	1-A-25		2	2 15/16
		Solid Rubber ST	75	3ST03-A-2			1 1/8	3ST01-A-25		1	
		Solid Rubber HT	125	3HT03-A-2			1 1/8	3HT01-A-25		1	
2 1/2	1	Semi-Steel	175	3-A-25	103-A-25	2	3	1-A-3	101-A-3	3	3 3/4
		Solid Rubber ST	110	3ST03-A-25			2	3ST01-A-3		2	
		Solid Rubber HT	175	3HT03-A-25			2	3HT01-A-3		2	
3	1 1/4	Semi-Steel	225	3-A-3	103-A-3	2 5/16	4	1-A-3B	101-A-3B	3 1/4	4 1/4
		Solid Rubber ST	125	3ST03-A-3	13ST03-A-3		3	3ST01-A-3B	13ST01-A-3B	2 1/4	
		Solid Rubber HT	210	3HT03-A-3	13HT03-A-3		3	3HT01-A-3B	13HT01-A-3B	2 1/4	
3 1/2	1 1/2	Semi-Steel	275	3-A-35	103-A-35	2 13/16	6 1/2				5
4	1 1/2	Semi-Steel	300	3-A-4	103-A-4	3 1/16	6 3/4	1-A-4B	101-A-4B	6	5 1/4
		Solid Rubber ST	225	3ST03-A-4	13ST03-A-4		4 3/4	3ST01-A-4B	13ST01-A-4B	4 1/4	
		Solid Rubber HT	300	3HT03-A-4	13HT03-A-4		4 3/4	3HT01-A-4B	13HT01-A-4B	4 1/4	
5	1 5/8	Semi-Steel	325	3-A-5	103-A-5	3 3/4	9 3/4	1-A-5B	101-A-5B	8 3/4	6 5/16
	1 7/8	Solid Rubber ST	250	3ST03-A-5	13ST03-A-5		7 1/2	3ST01-A-5B	13ST01-A-5B	6 1/2	
		Solid Rubber HT	325	3HT03-A-5	13HT03-A-5		7 1/2	3HT01-A-5B	13HT01-A-5B	6 1/2	
6	1 7/8	Semi-Steel	350	3-A-6	103-A-6	4 3/8	15 3/4	1-A-6B	101-A-6B	13 3/4	7 11/16
	2	Solid Rubber ST	300	3ST03-A-6	13ST03-A-6		12 1/4	3ST01-A-6B	13ST01-A-6B	9 1/2	
		Solid Rubber HT	350	3HT03-A-6	13HT03-A-6		12 1/4	3HT01-A-6B	13HT01-A-6B	9 1/2	

†Load rating is for manual operation.

Bona 36^{-A} SWIVEL
SERIES 1^{-A} RIGID

MEDIUM DUTY CASTERS

Maximum capacity
to 1500 pounds per caster



The 36-A and the companion 1-A casters are used for rugged service in factories and industrial plants where impact and other abuse are common. The design of the double ball race swivel assures long service life.

FEATURES

Construction: The base section and fork are designed to provide the optimum distribution of metal in each section for strength and stress absorption.

King Bolt: The high strength bolt is totally surrounded by an exceptionally large boss section relieving the bolt of all side thrust. A large hardened steel washer is held rigid against the boss section for additional strength at this point. The king bolt is secured by a slotted adjusting nut with cotter pin.

Swivel: Two deep, smoothly ground raceways of almost equal diameter, placed one below the other provide a double level full ball bearing swivel for smooth easy swivelling and long life.

Lubrication: Pressure fittings in swivel and wheel hub.

TOP PLATE CHART FOR CASTERS ON PAGE 39

SERIES 3-A SWIVEL				SERIES 1-A COMPANION RIGID			
Caster Size	Top Plate Size	Bolt Hole Spacing	Attachment Bolt Size	Caster Size	Top Plate Size	Bolt Hole Spacing	Attachment Bolt Size
In.	In.	In.	In.	In.	In.	In.	In.
2	3 ¹ / ₁₆ x 2 ⁷ / ₁₆	2 ⁷ / ₁₆ x 1 ¹¹ / ₁₆	1/4	2 ¹ / ₂ *	3 ⁵ / ₈ x 2 ³ / ₈	2 ³ / ₄ x 1 ¹ / ₄	1/4
2 ¹ / ₂	3 ³ / ₄ x 3 ¹ / ₁₆	2 ⁷ / ₈ x 2 ³ / ₁₆	1/4	3*	4 ¹ / ₂ x 2 ⁷ / ₈	3 ⁵ / ₁₆ x 1 ³ / ₈	5/16
3	4 ¹ / ₁₆ x 3 ¹ / ₄	3 ⁵ / ₁₆ x 2 ³ / ₈	5/16	3	4 ¹ / ₂ x 2 ⁷ / ₈	3 ⁵ / ₁₆ x 1 ³ / ₈	5/16
3 ¹ / ₂	4 ³ / ₄ x 3 ³ / ₄	3 ¹¹ / ₁₆ x 2 ¹¹ / ₁₆	3/8				
4	4 ³ / ₄ x 3 ³ / ₄	3 ¹¹ / ₁₆ x 2 ¹¹ / ₁₆	3/8	4	5 x 3 ³ / ₈	3 ⁷ / ₈ x 1 ¹¹ / ₁₆	3/8
5	5 ⁵ / ₈ x 4 ¹ / ₄	4 ⁹ / ₁₆ x 2 ¹⁵ / ₁₆	1/2	5	5 ³ / ₄ x 3 ⁵ / ₈	4 ⁷ / ₁₆ x 2	1/2
6	7 ¹ / ₄ x 5 ¹ / ₄	5 ⁷ / ₈ x 3 ⁵ / ₈	1/2	6	6 ¹ / ₂ x 4	5 x 2 ¹ / ₄	1/2

*Wheel diameter is larger than swivel but overall height is the same.

SPECIFICATIONS

SERIES 36-A/1-A

WHEEL SPECIFICATIONS			CASTER SPECIFICATIONS								
Diameter "A" Inches	Face Inches	Type	SWIVEL CASTERS				COMPANION RIGID CASTERS				
			Caster Load Cap. † lbs.	CASTER NUMBER		Swivel Radius "C" Inches	Approx. Weight lbs.	CASTER NUMBER		Approx. Weight lbs.	Overall Height "B" Inches
Plain Bearing	Straight Roller Bearing	Plain Bearing		Straight Roller Bearing							
4	1½	Semi-Steel	600	36-A-4	136-A-4	3 13/16	8½	1-A-4C	101-A-4C	6¼	5 3/4
		V-Groove	600		1VG36-A-4		8¾		1VG01-A-4C	6¼	
	1 9/16	Solid Rubber ST	225	3ST36-A-4	13ST36-A-4		6¾	3ST01-A-4C	13ST01-A-4C	4½	
		Solid Rubber HT	400	3HT36-A-4	13HT36-A-4		6¾	3HT01-A-4C	13HT01-A-4C	4½	
	1½	Bondcelon	600		1436-A-4		6¾		1401-A-4C	4½	
		Vulc-On G1	200		1536-A-4		8¼		1501-A-4C	6	
		Vulc-On G2	400		1636-A-4		8¼		1601-A-4C	6	
		Vulc-On G3	200		1736-A-4		8¼		1701-A-4C	6	
		Bonduthane	600		1836-A-4		8¼		1801-A-4C	6	
5	1 5/8	Semi-Steel	675	36-A-5	136-A-5	4 11/16	13¾	1-A-5C	101-A-5C	9¼	6 7/8
	1¾	V-Groove	675		1VG36-A-5		19½		1VG01-A-5C	10 5/8	
	1 7/8	Solid Rubber ST	250	3ST36-A-5	13ST36-A-5		11	3ST01-A-5C	13ST01-A-5C	7	
		Solid Rubber HT	425	3HT36-A-5	13HT36-A-5		11	3HT01-A-5C	13HT01-A-5C	7	
	1½	Bondcelon	675		1436-A-5		10 5/8		1401-A-5C	6¾	
		Vulc-On G1	320		1536-A-5		13		1501-A-5C	9	
	1 7/8	Vulc-On G2	640		1636-A-5		13		1601-A-5C	9	
		Vulc-On G3	320		1736-A-5		13		1701-A-5C	9	
	1½	Bonduthane	675		1836-A-5		12½		1801-A-5C	8½	
6	2	Semi-Steel	800	36-A-6	136-A-6	5 9/16	21	1-A-6S	101-A-6S	14¾	8 5/16
		V-Groove	800		1VG36-A-6		21¾		1VG01-A-6S	12¾	
	1¾	Solid Rubber ST	400	3ST36-A-6	13ST36-A-6		17¼	3ST01-A-6S	13ST01-A-6S	11	
		Solid Rubber HT	560	3HT36-A-6	13HT36-A-6		17¼	3HT01-A-6S	13HT01-A-6S	11	
	1 3/4	Bondcelon	800		1436-A-6		16 5/8		1401-A-6S	10½	
		Vulc-On G1	340		1536-A-6		19½		1501-A-6S	12¾	
	2	Vulc-On G2	680		1636-A-6		19½		1601-A-6S	12¾	
		Vulc-On G3	340		1736-A-6		19½		1701-A-6S	12¾	
	2	Bonduthane	800		1836-A-6		19½		1801-A-6S	13¼	
		Semi-Steel	1500		136-A-8		44½		101-A-8S	28¾	
	V-Groove	1500		1VG36-A-8	48¾		1VG01-A-8S	33¾			
8	2½	Bondcelon	1500		1436-A-8	35		1401-A-8S	19¼	10 1/2	
		Vulc-On G1	670		1536-A-8	41¼		1501-A-8S	24¾		
		Vulc-On G2	1340		1636-A-8	41¼		1601-A-8S	24¾		
		Vulc-On G3	670		1736-A-8	41¼		1701-A-8S	24¾		
		Bonduthane	1500		1836-A-8	34½		1801-A-8S	23¼		

† Load rating is for manual operation.

TOP PLATE SIZES AND MOUNTING SPECIFICATIONS (INCHES)

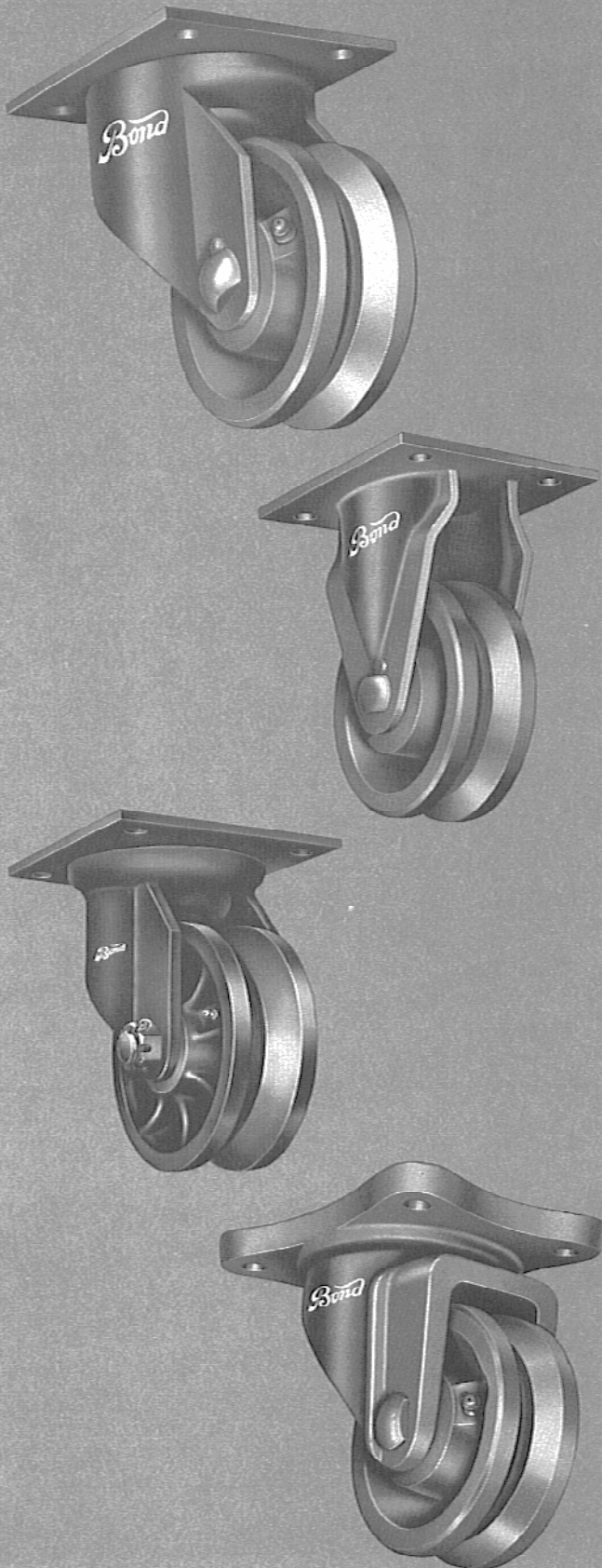
SERIES 36-A SWIVEL				SERIES 1-A RIGID		
Caster Size	Top Plate Size	Bolt Hole Spacing	Attachment Bolt Size	Top Plate Size	Bolt Hole Spacing	Attachment Bolt Size
4	5 5/8 x 4 1/8	4 1/2 x 3	3/8	5 x 3 1/8	3 7/8 x 1 11/16	3/8
5	6 1/4 x 4 3/4	5 x 3 1/2	1/2	5 3/4 x 3 3/8	4 7/16 x 2	1/2
6	7 x 5 1/2	5 1/2 x 4	1/2	7 1/2 x 4 1/2	6 x 3	1/2
8	10 x 7 5/8	8 x 5 5/8	5/8	9 1/4 x 5 1/4	7 1/2 x 3 1/2	1/2

Bond

V-GROOVED WHEEL CASTERS

LIGHT DUTY TO SUPER DUTY

Capacity range—
450 lbs. to 6000 lbs. per caster



These casters are designed for use on inverted angle iron track where it is desirable to guide the truck or other vehicle over a prescribed route with a minimum of interference from normal shop floor clutter. They provide an inexpensive means of positioning and moving production or assembly line fixtures and dollies; for guiding racks or other vehicles through ovens or other confined areas; almost any production requirement for accurate control of direction.

Bond V-grooved wheel casters are available in 12 caster series in both swivel and rigid configurations and offer a wide variety of top plate sizes and attachment bolt spacings.

The chart on the facing page lists all V-grooved casters by basic series number and the page where that series appears in this catalog. Please refer to those pages for complete specifications and dimension information.

FEATURES

Swivel: A variety of swivel types is available by caster series—single ball race, double ball race or precision roller bearing units.

Lubrication: Pressure fittings in the swivel and the wheel hub. Note—If casters are to be used through ovens where heat is a factor, please specify high temperature lubricants.

Wheel Bearings: All V-grooved wheels have straight roller bearings for ease of rolling and tracking. All heavy duty and extra heavy duty casters are also available with high capacity tapered roller bearings. All straight roller bearing wheels have end play for easier tracking. Tapered bearing wheels do not have end play, therefore require critical track alignment or the use of a single track with the offside wheel running on steel plate.

**Single Flanged Wheels
Also Available**

V-GROOVED WHEEL CASTERS

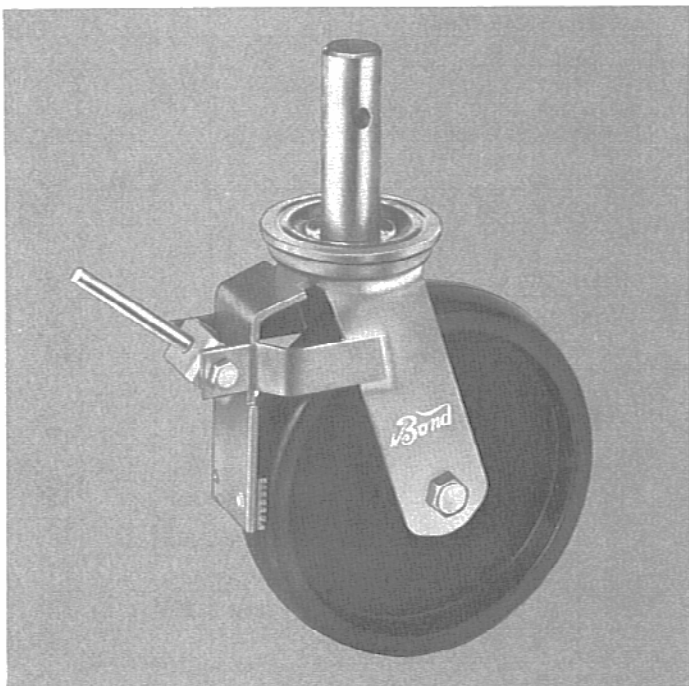
WHEEL DESCRIPTION			Basic Caster Series	CASTER SPECIFICATIONS									
Diameter "A" Inches	Face Inches	"V" Groove Width Inches		SWIVEL CASTERS				MATCHING RIGID CASTERS					
				Caster Load Cap. † lbs.	CASTER NUMBER		Swivel Radius "C" Inches	Approx. Weight lbs.	CASTER NUMBER		Approx. Weight lbs.	Overall Height B Inches	
Straight Roller Bearing	Tapered Roller Bearing	Straight Roller Bearing	Tapered Roller Bearing										
4	1½	7/8	40-A page 10	550	1VG40-A-4		3 ¹³ / ₁₆	6¼	1VG41-A-4		5¼	5 ⁵ / ₈	
5	1¾			650	1VG40-A-5		4 ⁹ / ₁₆	8¾	1VG41-A-5		7½	6½	
6	2			1000	1VG40-A-6		5 ⁹ / ₁₆	11¾	1VG41-A-6		9½	8	
6	2½			1500	1VG40-A-6W		5 ¹¹ / ₁₆	18	1VG41-A-6W		17	8	
8				1500	1VG40-A-8W		7 ¹ / ₈	27	1VG41-A-8W		25	10	
5	2½	7/8	40-AMH page 12	2000	1VG40-A-MH-5	T1VG40-A-MH-5	5 ³ / ₁₆	19¼	1VG41-A-MH-5	T1VG41-A-MH-5	14½	7 ⁵ / ₈	
6				2500	1VG40-A-MH-6	T1VG40-A-MH-6	5 ¹¹ / ₁₆	24½	1VG41-A-MH-6	T1VG41-A-MH-6	19½	8 ¹ / ₈	
8				2500	1VG40-A-MH-8	T1VG40-A-MH-8	7 ¹ / ₁₆	33	1VG41-A-MH-8	T1VG41-A-MH-8	27¼	10½	
8				3	2500	1VG40-A-MH-8W	T1VG40-A-MH-8W	7 ¹ / ₈	35½	1VG41-A-MH-8W	T1VG41-A-MH-8W	34	10½
10					2500	1VG40-A-MH-10W	T1VG40-A-MH-10W	8½	43½	1VG41-A-MH-10W	T1VG41-A-MH-10W	37¾	12½
8	3	1¾	40-AH page 14	4000	1VG40-A-H-8	T1VG40-A-H-8	7 ¹ / ₈	44	1VG41-A-H-8	T1VG41-A-H-8	38¼	11	
10		1¾		4250	1VG40-A-H-10	T1VG40-A-H-10	8¾	54	1VG41-A-H-10	T1VG41-A-H-10	47¾	12¾	
4	2	7/8	42-A page 16	700	1VG42-A-4		3 ³ / ₈	9¼	1VG43-A-4		8½	6 ¹ / ₈	
5				900	1VG42-A-5		4 ³ / ₈	9¼	1VG43-A-5		8¾	6 ⁵ / ₈	
6				900	1VG42-A-6		4 ⁷ / ₈	10	1VG43-A-6		8¾	7½	
4	2	7/8	44-A page 18	700	1VG44-A-4		3 ³ / ₈	9¼	1VG45-A-4		8¼	6 ¹ / ₈	
5				900	1VG44-A-5		4 ³ / ₈	9¼	1VG45-A-5		8½	6 ⁵ / ₈	
6				900	1VG44-A-6		4 ⁷ / ₈	10	1VG45-A-6		8½	7½	
4	2	7/8	48-A page 22	700	1VG48-A-4		3 ⁷ / ₈	9¼	1VG49-A-4		8½	6 ¹ / ₈	
5				900	1VG48-A-5		4 ³ / ₈	9¼	1VG49-A-5		8¾	6 ⁵ / ₈	
6				900	1VG48-A-6		4 ⁷ / ₈	10	1VG49-A-6		8¾	7½	
4	1½	7/8	50-A page 24	450	1VG50-A-4		3 ¹ / ₁₆	5¼	1VG51-A-4		3¼	5	
5	2			500	1VG50-A-5		4 ¹ / ₈	9¼	1VG51-A-5		7	6¼	
6				650	1VG50-A-6		4¾	9	1VG51-A-6		6¾	7¼	
4	1½	7/8	52-A page 26	500	1VG52-A-4		3 ¹ / ₁₆	4¼	1VG51-A-4		3¼	5	
5	2			550	1VG52-A-5		4 ¹ / ₈	9½	1VG51-A-5		7	6¼	
6				700	1VG52-A-6		4¾	9¼	1VG51-A-6		6¾	7¼	
8	3	1¾	78-A page 34	4000	1VG78-A-8	T1VG78-A-8	6 ¹¹ / ₁₆	68½	1VG79-A-8	T1VG79-A-8	55½	11	
10		1¾		6000	1VG78-A-10	T1VG78-A-10	7 ¹¹ / ₁₆	75½	1VG79-A-10	T1VG79-A-10	62½	13	
8	3	1¾	80-A page 36	4000	1VG80-A-8	T1VG80-A-8	6 ¹¹ / ₁₆	68½	1VG79-A-8	T1VG79-A-8	55½	11	
10		1¾		6000	1VG80-A-10	T1VG80-A-10	7 ¹¹ / ₁₆	75½	1VG79-A-10	T1VG79-A-10	62½	13	
4	1½	7/8	36-A page 40	600	1VG36-A-4		3 ¹³ / ₁₆	8¾	1VG01-A-4C		6¼	5¾	
5	1¾			675	1VG36-A-5		4 ¹¹ / ₁₆	14⅝	1VG01-A-5C		10⅝	6 ⁷ / ₈	
6	2			800	1VG36-A-6		5 ⁹ / ₁₆	21¾	1VG01-A-6S		12¾	8 ⁵ / ₁₆	
8	2½			1500	1VG36-A-8		7 ³ / ₁₆	48¾	1VG01-A-8S		33¾	10½	
5	2			7/8	42-J page 44	900	1VG42-J-5		4 ³ / ₈	11			
6		900	1VG42-J-6				4 ⁷ / ₈	11					*7½

†Load rating is for manual operation.

*Load height. For overall height see 42-J series, page 44.

SCAFFOLD CASTERS

Maximum capacity
to 900 pounds per caster



For portable scaffolding and work platforms. A selection of wheels and tread surfaces meets the needs for scaffolding applications from light to heavy duty on any floor surface. Positive braking action occurs when the brake lever is pushed down, simultaneously locking wheel and swivel action. Brake lever action is firm, guarding against accidental locking or unlocking the caster.

FEATURES

Construction: Heavy gauge steel is cold-forged to provide strong rigid top plate and cup assembly.

Swivel Bearing: Hardened and polished steel balls in coined and hardened upper and lower raceways assure easy swivel action.

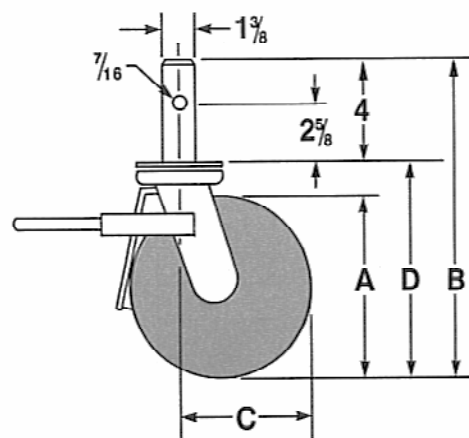
Stem: Standard stem is 1 1/8" diameter by 4" long with predrilled drift pin hole. For optional stem sizes, consult factory.

Fork: Deep formed legs for strength, welded to cup.

Lubrication: Pressure fittings for swivel and wheel bearings. Solid rubber, Bondcelon and Bondrelene wheels are lubricated through a hollow axle with pressure fitting. All other wheels lubricated through hub.

Finish: Durable corrosion resistant finish.

WHEEL DESCRIPTION			SCAFFOLD CASTER SPECIFICATIONS					
Diameter "A" Inches	Face Inches	Type	Caster Load Cap. † lbs.	Straight Roller Bearing Caster Number	Overall Height "B" Inches	Swivel Radius "C" Inches	Load Height "D" Inches	Approx. Weight lbs.
5	2	Semi-Steel	900	142-J-5	10 3/4	4 3/8	6 3/4	10 1/2
		V-Groove	900	1VG42-J-5				11
		Solid Rubber ST	250	13ST42-J-5				7 3/4
		Solid Rubber HT	425	13HT42-J-5				7 3/4
		Bondcelon	900	1442-J-5				7 1/2
		Vulc-On G1	400	1542-J-5				10 3/4
		Vulc-On G2	800	1642-J-5				10 3/4
		Vulc-On G3	400	1742-J-5				10 3/4
		Bonduthane	900	1842-J-5				9 3/4
		Bondrelene	600	1942-J-5				6 3/4
6	2	Semi-Steel	900	142-J-6	11 1/2	4 7/8	7 1/2	12
		V-Groove	900	1VG42-J-6				11
		Solid Rubber ST	400	13ST42-J-6				9 1/4
		Solid Rubber HT	560	13HT42-J-6				9 1/4
		Bondcelon	900	1442-J-6				8 1/2
		Vulc-On G1	410	1542-J-6				12
		Vulc-On G2	820	1642-J-6				12
		Vulc-On G3	410	1742-J-6				12
		Bonduthane	900	1842-J-6				11 1/2
		Bondrelene	650	1942-J-6				7 1/4
8	2	Semi-Steel	900	142-J-8	13 1/2	5 7/8	9 1/2	16 1/2
		Bondcelon	900	1442-J-8				10 1/2
		Vulc-On G1	500	1542-J-8				14 3/4
		Vulc-On G2	900	1642-J-8				14 3/4
		Vulc-On G3	500	1742-J-8				14 3/4
		Bonduthane	900	1842-J-8				15 1/2
		Bondrelene	700	1942-J-8				8 1/2



†Load rating is for manual operation.

Bond[®]

CASTERS

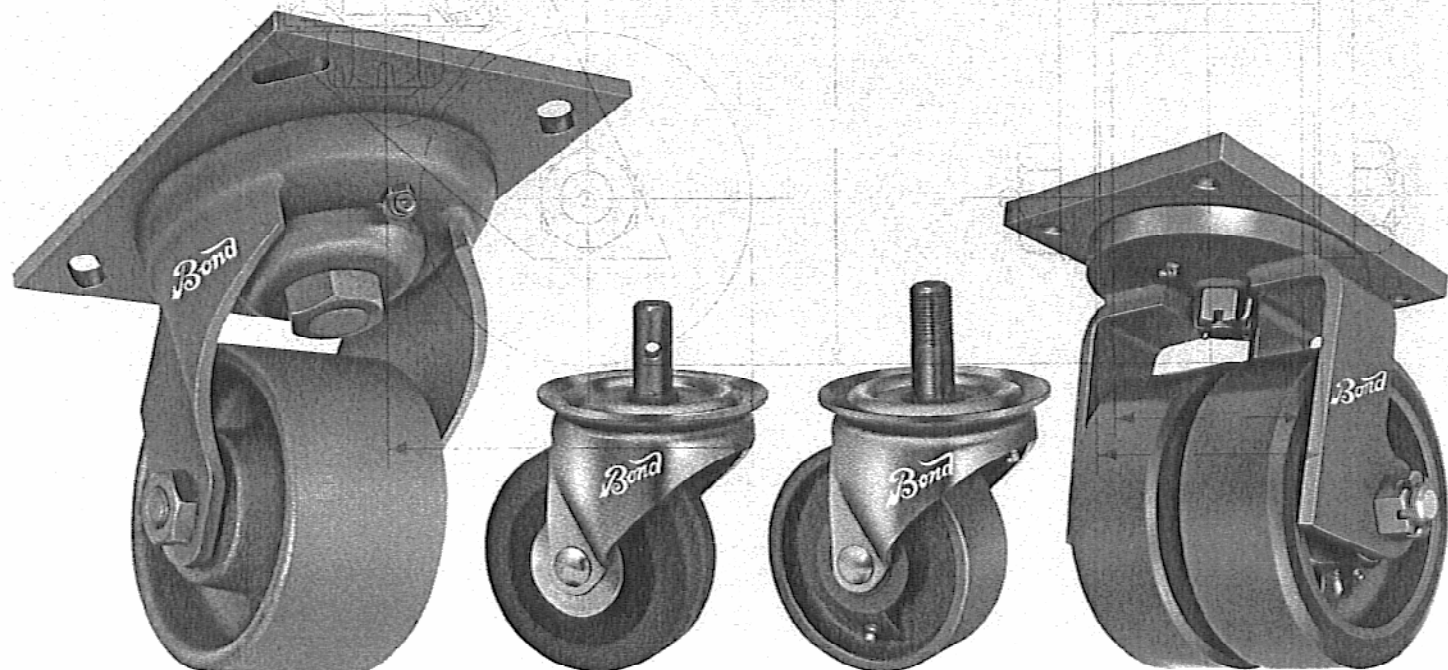
FOR OEM
and
SPECIALIZED APPLICATIONS

In this catalog we present caster rig and wheel combinations to meet the widest possible segment of industrial, commercial and institutional user needs. Our more than 60 years of experience tells us that this is only true for the moment.

Almost daily, we receive inquiries from our distributors or direct from users for special adaptations of standard casters or wheels and many times for a completely new caster to meet the specialized needs of a new piece of equipment or new production requirement.

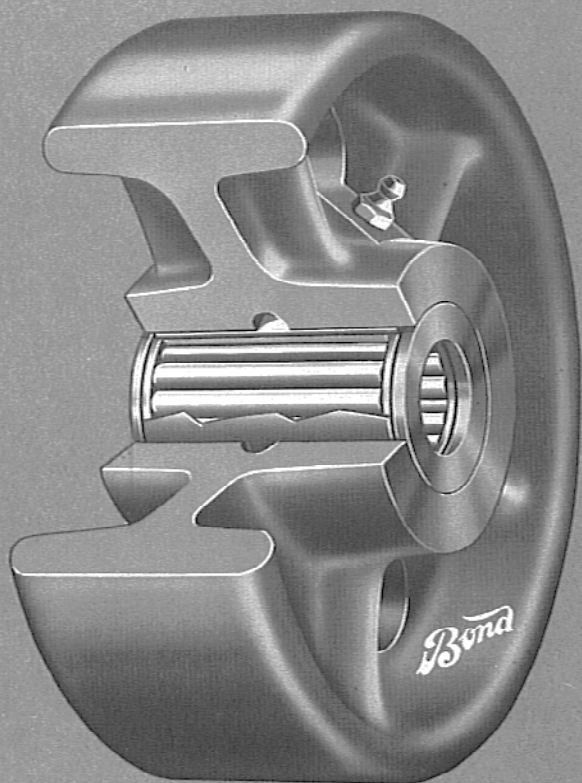
Bond offers a great wealth of experience in caster application engineering and in caster development. We invite you to draw upon this experience in finding the answer to your next unique requirement. You will find our knowledge, our down-to-earth practicality and our rapid response a welcome addition to your own experience and engineering efforts. Your inquiry incurs no obligation, only an opportunity for us to serve you.

If you have a caster problem . . . call us! We may already have your answer.



Bond[®] WHEELS

SEMI-STEEL PLAIN and ROLLER BEARING



Bond semi-steel wheels are made of cast iron enriched with steel to provide a high strength, tough, abrasion and shock resistant wheel. The design exhibits an extra thick cross-section and tread for high load carrying capacity.

Semi-Steel wheels should be used where load carrying capacity and ease of rolling are the primary considerations and floor protection is secondary. They provide excellent service on chip littered floors or rough surfaces where other treads might be damaged. High temperature applications are another area where Bond semi-steel wheels excel.

Bond semi-steel wheels are available as plain bearing wheels, facing page, or with roller bearings, pages 48 and 49.

BOND PLAIN BEARING WHEELS will be furnished with bores as listed in the specifications. Bores to your specifications can be furnished for a slightly higher cost. Faces of plain bore wheels are not normally machined. Oil holes for lubrication are provided in the hubs of all wheels. Pressure fittings can be furnished in wheels 4" in diameter and larger at an additional cost.

BOND ROLLER BEARING WHEELS are the easiest rolling of all wheels. They are available with either straight roller bearings or tapered roller bearings. The face of all roller bearing wheels is machined concentric with the hub bore to further ensure smooth rolling action. All wheels are fitted with pressure lubricating fittings in the hub. Lubrication through a hollow axle and pressure fitting is also available.

OPTIONAL FEATURES

Keyways and/or set-screws for locking wheels to axle. Send specifications or consult factory.

Special hub lengths—consult factory.

Metal wheels with greater load ratings—consult factory.

Wheel bearing seals—consult factory.

SPECIFICATIONS/SEMI-STEEL PLAIN BEARING WHEELS

WHEEL DESCRIPTION						WHEEL NUMBER	Used In Caster Series (Same wheel used in matching rigid series)	
Diameter Inches	Face Inches	Hub Length Inches	Bore Inches	Load Rating lbs. †	Approx. Weight lbs.			
2	¾	1 ⁵ / ₁₆	¼	250	7 ¹ / ₁₆	2-2070-1-4*	3-A, 50-A	
		2 ⁷ / ₃₂	3 ³ / ₈			2-1046-1-6	3-A	
2½	1	1 ⁷ / ₃₂	½	500	¾	25-2050-1-8	3-A	
		1¾	5 ¹ / ₁₆			1 ¹ / ₁₆	25-1015-1-5*	3-A
			3 ³ / ₈			¾	25-1015-1-6*	50-A, 52-A
			5 ⁵ / ₈			7 ⁷ / ₈	25-2987-1-10	
3	1¼	1 ¹⁵ / ₃₂	½	500	1¼	3-2051-1-8	3-A	
		1 ⁵ / ₈	3 ³ / ₈			1	3-3213-1-6*	3-A
			½				3-3213-1-8*	50-A, 52-A
3½	1 ³ / ₁₆	1 ⁵ / ₁₆	½	600	1¾	35-1577-1-8		
	1½	1 ⁵ / ₈	¾			1 ¹⁵ / ₁₆	35-2052-15-12	3-A
		1¾	½			1¾	35-2002-15-8	3-A
4	1½	1¾	½	600	2¾	4-3160-15-8	50-A, 52-A	
			¾			2½	4-1934-15-8	3-A, 36-A
		1 ⁵ / ₈				2¾	4-1934-15-12	40-A
		1¾	3¾			4-2053-15-12	3-A, 36-A	
4½	1½	1¾	¾	700	3¾	45-2101-15-12		
5	1½	1¾	¾	1000	3 ⁵ / ₁₆	5-2150-15-12		
						3½	5-1061-15-12	3-A, 36-A
	1 ⁵ / ₈	2	½		4	5-2048-15-8	3-A, 36-A	
						¾	5-2048-15-12	40-A
2	2 ³ / ₁₆	¾		5-3131-2-12	50-A, 52-A			
6	1½	1¾	¾	600	4¾	6-2151-15-12		
						2 ¹ / ₈	4¼	6-1064-2-12
	1 ⁷ / ₈	2¼	½	1200	6	6-2049-2-8	3-A, 36-A	
					¾	6 ¹ / ₁₆	6-2731-2-12	40-A
2	2 ³ / ₁₆	¾	1000	5	6-3132A-2-12	50-A, 52-A		
7	2 ¹ / ₈	2½	5 ⁵ / ₈	1000	9 ⁷ / ₈	7-2126-2-10	1-A	
8	2	2½	1	1500	9½	8-2732-2-16	40-A	
	2½	2 ⁷ / ₈	¾	1600	13¼	8-2722-25-12		

†Load rating is for manual operation.

*Sintered iron self-lubricating wheels

✓Thread guard wheels

SPECIFICATIONS/SEMI-STEEL ROLLER BEARING WHEELS

WHEEL DESCRIPTION						WHEEL NUMBER		Used In Caster Series (Same wheel used in matching rigid series)		
Diameter Inches	Face Inches	Hub Length‡ Inches	Roller Bearing I.D. Inches	Load Rating lbs. †	Approx. Weight lbs.	Straight Roller Bearing	Tapered Roller Bearing			
2½	1	1⅜	½	500	1½	1-25-2316-1-8		50-A, 52-A		
			⅝			1-25-2316-1-10		3-A		
			¾			1-25-2316-1-12				
3	1¼	1⅝	½	800	1⅝	1-3-2317-12-8				
			⅝			1-3-2317-12-10		3-A, 50-A, 52-A		
			¾	1500		1-3-2317-12-12		82-A		
4	1½	1¾	½	800	3	1-4-3192B-15-8				
			⅝			1-4-3192B-15-9				
			¾	1500		1-4-3192B-15-10				
			¾			1-4-3192B-15-12		3-A, 36-A, 50-A, 52-A, 40-A, 82-A		
	2	2⅜	½	1500		3½	1-4-3297-2-8			
			⅝				1-4-3297-2-10			
¾	1-4-3297-2-12		42-A, 44-A, 46-A, 48-A							
5	1½	2	½	800	4⅝		1-5-2461-15-8			
			⅝				1-5-2461-15-10			
			¾				1-5-2461-15-12		3-A, 36-A, 40-A	
	2	2⅜	½	1500		1-5-2848-2-8				
			⅝			1-5-2848-2-10				
			¾			1-5-2848-2-12		42-A, 42-J, 44-A, 46-A, 48-A, 50-A, 52-A		
	2½	3¼	1	2000		7½	1-5-3060B-25-16		40-AMH	
			1¼				1-5-3060B-25-20			
		¾					T-5-3060B-25-12	40-AMH		
6	1½	2	½	600	5½		1-6-2530-15-8			
			⅝				1-6-2530-15-10			
			¾				1-6-2530-15-12			
	2	2⅜	½	1500			1-6-2476-2-8			
			⅝				1-6-2476-2-10			
			¾				1-6-2476-2-12		3-A, 36-A, 40-A, 42-A, 42-J, 44-A, 46-A, 48-A, 50-A, 52-A	
	2½	3¼	¾	2000		9½	1-6-3061B-25-12		40-AW	
			1				1-6-3061B-25-16		40-AMH	
		1¼	1-6-3061B-25-20							
		¾					T-6-3061B-25-12	40-AMH		
	3	3¼	1	2500			12	1-6-3301-3-16		
			1¼					1-6-3301-3-20		
¾			T-6-3301-3-12							

†Load rating is for manual operation.

‡Hub length shown for tapered roller bearing wheels includes spacer tubes.

SPECIFICATIONS/SEMI-STEEL ROLLER BEARING WHEELS

Diameter Inches	WHEEL DESCRIPTION					WHEEL NUMBER		Used In Caster Series (Same wheel used in matching rigid series)		
	Face Inches	Hub Length‡ Inches	Roller Bearing I.D. Inches	Load Rating lbs. †	Approx. Weight lbs.	Straight Roller Bearing	Tapered Roller Bearing			
8	2	2 ³ / ₁₆	1/2	1500	10	1-8-2733-2-8				
			5/8			1-8-2733-2-10				
			3/4			1-8-2733-2-12		40-A, 42-A, 42-J, 44-A, 46-A, 48-A		
	2 1/2	3 1/4	3/4	2500	15	1-8-2466C-25-12		40-AW		
			1			1-8-2466C-25-16*		36-A*, 40-AMH		
			1 1/4			1-8-2466C-25-20				
	3	3 1/4	3/4	2500	21		T-8-2466C-25-12	40-AMH		
			1			1-8-2918-3-16		72-A, 74-A, 76-A		
			1 1/4			1-8-2918-3-20		40-AMHW		
		1 1/2	1-8-2918-3-20-1			40-AH, 78-A, 80-A				
		3 1/2	3/4				T-8-2918-3-12	40-AMHW, 40-AH, 72-A, 74-A, 76-A		
			1				T-8-2918-3-16	78-A, 80-A		
10	2	2 1/2	3/4	1800	11 1/2	1-10-2822-2-12		40-A		
			1			1-10-2822-2-16				
	2 1/2	3 1/4	3/4	2500	19 1/2	1-10-2191E-25-12		40-AW		
			1			1-10-2191E-25-16		40-AMH		
			1 1/4			1-10-2191E-25-20				
	3	3 1/4	1	3000	24		T-10-2191E-25-12	40-AMH		
			1 1/4			1-10-2928-3-16		72-A, 74-A, 76-A		
			1 1/4			1-10-2928-3-20		40-AMHW,		
		1 1/2	1-10-2928-3-20-1			40-AH, 78-A, 80-A				
		3 1/2	3/4	4000				T-10-2928-3-12	40-AMHW, 40-AH, 72-A, 74-A, 76-A	
			1			6000			T-10-2928-3-16	78-A, 80-A
12	2 1/2	3 1/4	1	2500	45	1-12-3302-25-16				
			1 1/4			1-12-3302-25-20				
	3	3 1/4	1	3500	45	1-12-2938-3-16		72-A, 74-A, 76-A		
			1 1/4			4500	1-12-2938-3-20		40-AH, 78-A, 80-A	
		3 1/2	3/4				T-12-2938-3-12	40-AH, 72-A, 74-A, 76-A		
			1	6000				T-12-2938-3-16	78-A, 80-A	
	3 1/2	4 1/4	1 1/4	6000	47	1-12-2452-35-20		72-A, 74-A, 78-A, 80-A		
			1 1/2							
		4 1/2	3/4	4500				T-12-3303-35-12	72-A, 74-A	
			1			6000			T-12-3303-35-16	78-A, 80-A
			1 1/4						T-12-3303-35-20	
4	4 1/4	1 1/4	6000	53	1-12-1698-4-20		72-A, 74-A, 78-A, 80-A			
		1 1/2								
	4 1/2	3/4	4500				T-12-3304-4-12	72-A, 74-A		
		1			6000			T-12-3304-4-16	78-A, 80-A	
		1 1/4						T-12-3304-4-20		
14	3 1/2	4 1/4	6000	49	1-14-2941-35-20					
		1 1/2			1-14-2941-35-24					
16	3	4 1/4	6000	52	1-16-2927-3-20					
		1 1/2			1-16-2927-3-24					
18	3 1/2	4 1/4	6000	74	1-18-2866-35-20					
		1 1/2			1-18-2866-35-24					

†Load rating is for manual operation.

*When wheel is ordered for replacement in 36-A caster, change letter from "C" to "D" for 2 1/2" hub length.

‡Hub length shown for tapered roller bearing wheels includes spacer tubes.

Bond[®] WHEELS

V-GROOVED SEMI-STEEL

Bond V-grooved wheels are cast semi-steel designed with a heavy cross section for maximum strength and load carrying capacity. Most wheels are of solid web design except those higher capacity wheels which are reinforced with heavily sectioned ribs.

Both the 90° V-groove and face are precision machined, concentric with the hub bore to ensure smooth rolling action on inverted angle iron track. Wheel face is broad and strong for use off tracks. A relief groove at the base of the "V" assures equal weight distribution and tends to aid the self cleaning action of the angle iron track.

Track used with V-grooved wheels should be securely anchored, parallel and level. It is important that track be parallel to prevent binding of the wheel in the legs of the caster. With tapered roller bearing wheels, where no end play is possible, track alignment is critical. In some cases it may be desirable to use a single track and flat wheels on the off-side.

The illustration below shows how the various groove widths ride on the most popular angle iron sizes and the amount of underclearance for each different groove.

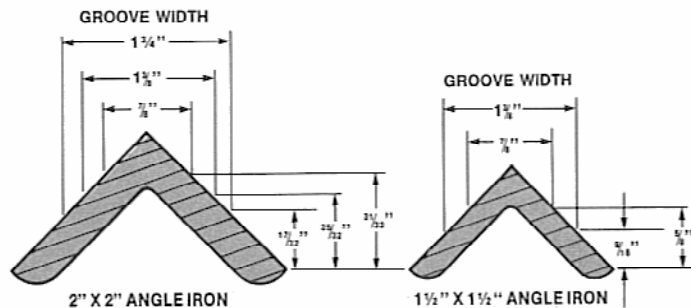
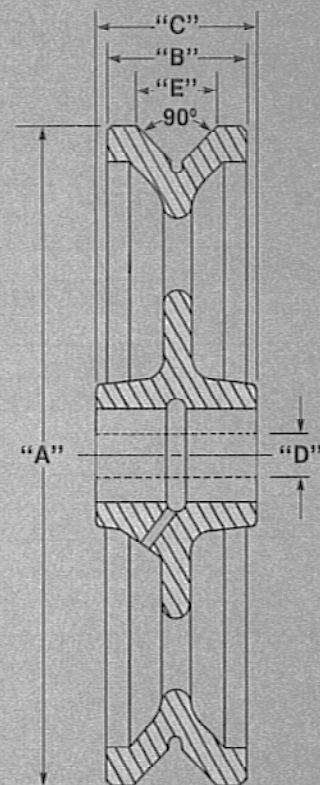
All wheels are lubricated through pressure lubricating fittings in the hub.

OPTIONAL FEATURES

Keyways and/or set-screws for locking wheels to axle.

Special hub lengths—consult factory.

Wheel bearing seals—consult factory.



**Single Flanged Wheels
Also Available**

SPECIFICATIONS/V-GROOVED SEMI-STEEL WHEELS

WHEEL DESCRIPTION							WHEEL NUMBER		Used In Caster Series (same wheel used in matching rigid caster)				
Diameter Inches "A"	Face Inches "B"	Hub Length† Inches "C"	Roller Bearing I.D. Inches "D"	Width of Groove Inches "E"	Load Rating† lbs.	Approx. Weight lbs.	Straight Roller Bearing	Tapered Roller Bearing					
4	1½	1¾	½	¾	800	2¾	1-4-VG3074-15-8						
			9/16				1-4-VG3074-15-9						
			5/8				1-4-VG3074-15-10						
			¾				1-4-VG3074-15-12	36-A, 40-A, 50-A, 52-A					
	2	2⅜	¾	¾	2000	5	1-4-VG2953A-2-12		42-A, 44-A, 48-A				
			7/8				1-4-VG2953A-2-14						
5	1¾	2	5/8	¾	1000	5¼	1-5-VG3075-17-10						
			¾				1-5-VG3075-17-12		36-A, 40-A, 42-A, 42-J, 44-A, 48-A, 50-A, 52-A				
			2⅜				2¾	7/8	2000	7¼	1-5-VG3008A-22-14		
							3¼	1			1-5-VG3008A-22-16	40-AMH	
			3½	¾	1¼				T-5-VG3008A-22-12	40-AMH			
6	2	2⅜	5/8	¾	1000	5	1-6-VG3076-2-10						
			¾				1-6-VG3076-2-12		36-A, 40-A, 42-A, 42-J, 44-A, 48-A, 50-A, 52-A				
			2½				2¾	1	2500	10	1-6-VG2952B-25-16		
							¾	¾			1-6-VG2952A-25-12	40-AW	
			3¼	1	¾ or 1¼			1-6-VG2952A-25-16	40-AMH				
				1¼									
		3½	¾					T-6-VG2952A-25-12	40-AMH				
8	2½	3¼	¾	¾ or 1¼	2500	20	1-8-VG2956A-25-12		40-AW				
			1				1-8-VG2956A-25-16*	36-A, 40-AMH					
			1¼										
			¾						T-8-VG2956A-25-12	40-AMH			
	3	3¼	1	1¼	1¼	2500	22½	1-8-VG2926A-3-16					
								1¼	1-8-VG2926A-3-20	40-AMHW, 40-AH, 78-A, 80-A			
								1½	1-8-VG2926A-3-24				
		3½	¾	1	1¼	2500	22½		T-8-VG2926A-3-12	40-AMHW, 40-AH			
								6000	1	T-8-VG2926A-3-16	78-A, 80-A		
									1¼	T-8-VG2926A-3-20			
10	3	3¼	1	1¼	6000	29½	1-10-VG2998A-3-16						
			1¼				1-10-VG2998A-3-20	40-AMHW, 40-AH, 78-A, 80-A					
			1½				1-10-VG2998A-3-24						
		3½	¾	1	1¼	3500	29½		T-10-VG2998A-3-12	40-AMHW, 40-AH			
								6000	1	T-10-VG2998A-3-16	78-A, 80-A		
									1¼	T-10-VG2998A-3-20			
14	3	4¼	1¼	1¼	6000	47	1-14-VG3290-3-20						
			1½				1-14-VG3290-3-24						

†Load rating is for manual operation. For power operation information, consult factory.

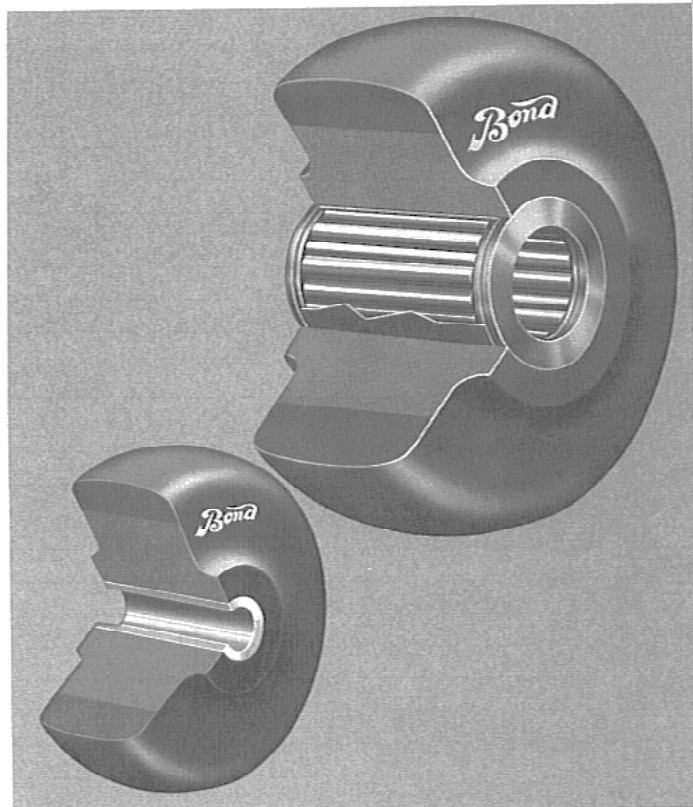
‡Hub length shown for tapered roller bearing wheels includes spacer tubes.

*When wheel is ordered for replacement in 36-A series caster, please specify 2⅞" hub length.

✓Specify ¾ or 1¼ groove width when ordering.

Bond[®] WHEELS

SOLID RUBBER HARD and SOFT TREAD



Bond solid rubber wheels are precision molded into a single unit of high grade rubber compound and are furnished with a soft or hard tread. They are available with self-lubricating bushings or straight roller bearings. Roller bearing wheels include end washers pressed into the hub ends to hold the bearing in place. Lubrication is through a pressure fitting in the hollow axle.

Soft Tread—A soft cushion tread is permanently molded to a hard rubber core forming a single unit providing maximum floor protection and quiet operation. The uniformly thick cushion tread offers excellent mobility for manually moved loads on hard surfaced floors. The tread is resilient and abrasion resistant, and non-sparking.

Hard Tread—Composed entirely of hard rubber, these wheels provide higher capacities, easier rolling, quiet operation and excellent floor protection. Hard tread wheels are non-sparking and perform well on most firm floor surfaces.

SPECIFICATIONS/SOLID RUBBER WHEELS—Hard and Soft Tread

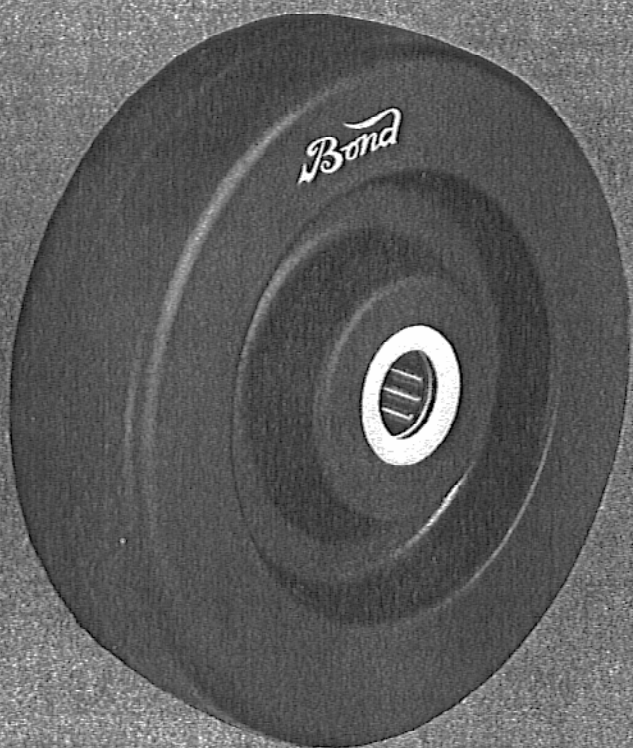
WHEEL DESCRIPTION							WHEEL NUMBER◆			
Diameter Inches	Face Inches	Hub Length Inches	Bearing I.D. Inches	LOAD RATING†		Approx. Weight lbs.	For hard tread substitute "SRWH" for "SRWS"		Used in Caster Series (same wheel used in matching rigid series)	
				Soft Tread lbs.	Hard Tread lbs.		Self-lubricating Bearing	Straight Roller Bearing		
2	13/16	15/16	1/4	75	100	1/8	2-SRWS-1-4		3-A, 50-A	
2 1/2	1	1 3/8	5/16	110	175	1/4	25-SRWS-1-5		3-A	
			3/8				25-SRWS-1-6		50-A, 52-A	
3	1 1/4	1 5/8	3/8	125	210	1/2	3-SRWS-1-6		3-A	
			1/2				3-SRWS-1-8		50-A, 52-A	
			5/8					13-SRWS-1-8		
4	1 5/16	1 3/4	1/2	225	400	1		13-SRWS-1-10	3-A, 50-A, 52-A	
			3/4				4-SRWS-15-8		3-A, 36-A, 50-A, 52-A	
			1/2					14-SRWS-15-8		
			5/8					14-SRWS-15-10		
5	1 7/8	2	3/4	250	425	2		14-SRWS-15-12	3-A, 36-A, 40-A, 46-A, 50-A, 52-A	
			1/2					15-SRWS-2-8		
			5/8					15-SRWS-2-10		
			3/4					15-SRWS-2-12		3-A, 36-A, 40-A, 42-A, 44-A, 46-A, 48-A, 50-A, 52-A
6	2	2 3/16	1/2	400	560	3/4		5-SRWS-2-12	3-A, 36-A, 40-A, 50-A, 52-A	
			5/8					16-SRWS-2-8		
			3/4					16-SRWS-2-10		
			3/4					16-SRWS-2-12		3-A, 36-A, 40-A, 42-A, 42-J, 44-A, 46-A, 48-A, 50-A, 52-A
							6-SRWS-2-12	3-A, 36-A, 40-A, 50-A, 52-A		

† Load rating is for manual operation.

◆ For Hard Tread substitute "SRWH" for "SRWS" in wheel number.

Bond[®] WHEELS

BONDCELON



The Bondcelon wheel is made of macerated fabric which is impregnated with phenolic resin and molded under high pressure and heat to form a high density, tough, shock resistant economically priced wheel. They provide excellent load carrying characteristics and are non marking. They will not spark.

Bondcelon wheels are resistant to water, oils, grease, animal fats, commonly used acids and detergent solutions.

Temperature range is -50° to $+260^{\circ}$ F in continuous operation with intermittent use to 300° F.

These wheels are provided with straight roller bearings in all sizes with tapered roller bearings available in diameters 5 inches and larger.

Lubrication is through a pressure fitting recessed in a hollow axel. Most larger diameter wheels can be fitted with a pressure fitting in the hub on request.

OPTIONAL FEATURES

Special hub lengths—consult factory
Wheel bearing seals—consult factory

SPECIFICATIONS/BONDCELON PLASTIC WHEELS

WHEEL DESCRIPTION					WHEEL NUMBER			
Diameter Inches	Face Inches	Hub Length† Inches	Roller Bearing I.D. Inches	Load Rating lbs.†	Approx. Weight lbs.	Straight Roller Bearing	Tapered Roller Bearing	Used In Caster Series (Same wheel used in matching rigid series)
3	1½	1⅝	½	500	½	3-BC-15-8*		50-A, 52-A
			½			1-3-BC-15-8		
			⅝			1-3-BC-15-10		50-A-52-A
3¼	1½	1⅝	½	600	¾	1-32-BC-15-8		
			⅝			1-32-BC-15-10		
			¾			1-32-BC-15-12		
		½	1-32-BC1-15-8					
		⅝	1-32-BC1-15-10					
		¾	1-32-BC1-15-12					
	2	2⅜	½	700	1¼	1-32-BC-2-8		
			⅝			1-32-BC-2-10		
			¾			1-32-BC-2-12		

†Load rating is for manual operations.

*Equipped with self-lubricating bushing.

SPECIFICATIONS/BONDCELOX PLASTIC WHEELS

WHEEL DESCRIPTION						WHEEL NUMBER		Used In Caster Series (Same wheel used in matching rigid series)	
Diameter Inches	Face Inches	Hub Length‡ Inches	Roller Bearing I.D. Inches	Load Rating lbs.†	Approx. Weight lbs.	Straight Roller Bearing	Tapered Roller Bearing		
4	1½	1⅝	½	600	1	1-4-BC-15-8			
			⅝			1-4-BC-15-9			
			¾			1-4-BC-15-10			
			¾			1-4-BC-15-12		50-A, 52-A	
	2	2⅜	½	800	1½	1-4-BC-2-8			
			⅝			1-4-BC-2-10			
¾			1-4-BC-2-12				36-A, 40-A, 42-A, 44-A, 46-A, 48-A		
5	1½	1⅝	½	600	1½	1-5-BC-15-8			
			⅝			1-5-BC-15-10			
			¾			1-5-BC-15-12		36-A, 40-A	
	2	2⅜	½	1000	1¾	1-5-BC-2-8			
			⅝			1-5-BC-2-10			
			¾			1-5-BC-2-12		42-A, 42-J, 44-A, 46-A, 48-A, 50-A, 52-A	
6	1½	1⅝	½	800	1½	1-6-BC-15-8			
			⅝			1-6-BC-15-10			
			¾			1-6-BC-15-12			
	2	2⅜	½	1200	2½	1-6-BC-2-8			
			⅝			1-6-BC-2-10			
			¾			1-6-BC-2-12		36-A, 40-A, 42-A, 42-J, 44-A, 46-A, 48-A, 50-A, 52-A	
	2½	¾	¾	1800	4½	1-6-BC-25-12		40-AW	
			1			1-6-BC-25-16		40-AMH	
			1¼			1-6-BC-25-20			
			¾				T-6-BC-25-12	40-AMH	
	3	¾	1	2500	5	1-6-BC-3-16			
			1¼			1-6-BC-3-20			
¾						T-6-BC-3-12			
8	2	2⅜	¾	1400	4	1-8-BC-2-12		40-A, 42-A, 42-J, 44-A, 46-A, 48-A	
			1			1-8-BC-2-16			
	2½	2¼	1	2000	6¼	1-8-BCH-25-16		36-A	
			¾			1-8-BC-25-12		40-AW	
			1			1-8-BC-25-16		40-AMH	
		1¼	1-8-BC-25-20						
		¾	¾					T-8-BC-25-12	40-AMH
			1					T-8-BC-25-16	
	1								
	3	¾	1	2500	7¼	1-8-BC-3-16		72-A, 74-A, 76-A	
			1¼			1-8-BC-3-20		40-AMHW, 40-AH, 78-A, 80-A	
		¾	¾				T-8-BC-3-12	40-AMHW, 40-AH, 72-A, 74-A, 76-A	
1						T-8-BC-3-16	78-A, 80-A		
1¼						T-8-BC-3-20			

†Load rating is for manual operation.

‡Hub length shown for tapered roller bearing wheels includes spacers.

SPECIFICATIONS/BONDCELRON PLASTIC WHEELS

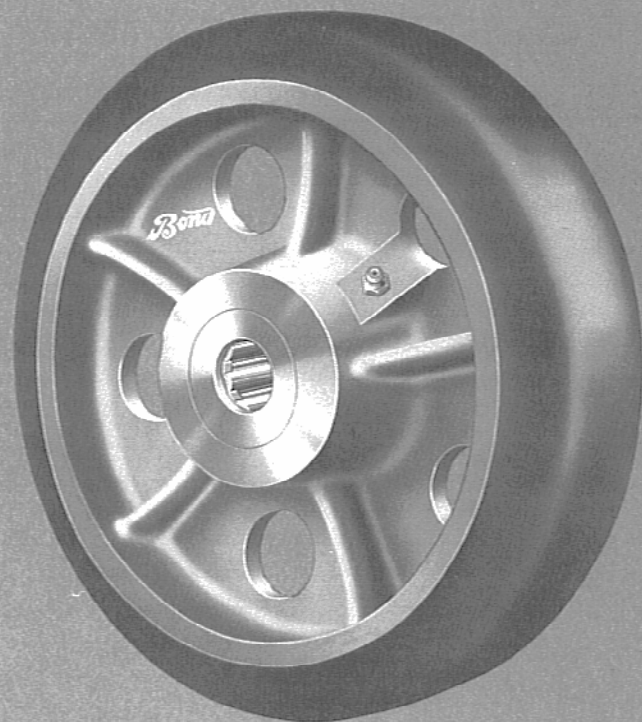
Diameter Inches	WHEEL DESCRIPTION					WHEEL NUMBER		Used In Caster Series (Same wheel used in matching rigid series)	
	Face Inches	Hub Length‡ Inches	Roller Bearing I.D. Inches	Load Rating† lbs.	Approx. Weight lbs.	Straight Roller Bearing	Tapered Roller Bearing		
10	2½	¾	¾	2500	7¾	1-10-BC-25-12		40-AW	
			1			1-10-BC-25-16		40-AMH	
			1¼			1-10-BC-25-20			
		¾		T-10-BC-25-12		40-AMH			
	3	¾	1	3000	9¾	1-10-BC-3-16		72-A, 74-A, 76-A	
			1¼			1-10-BC-3-20		40-AMHW, 40-AH, 78-A, 80-A	
		¾				T-10-BC-3-12	40-AMHW, 40-AH, 72-A, 74-A, 76-A		
		1				T-10-BC-3-16	78-A, 80-A		
		3½	1¼				T-10-BC-3-20		
12	2½	¾	1	3000	11¾	1-12-BC-25-16			
			1¼			1-12-BC-25-20			
	3	¾	1	3500	12¾	1-12-BC-3-16		72-A, 74-A, 76-A	
			1¼			1-12-BC-3-20		40-AH, 78-A, 80-A	
			1½						
		¾				T-12-BC-3-12	40-AH, 72-A, 74-A, 76-A		
		3½	1				T-12-BC-3-16	78-A, 80-A	
			1¼				T-12-BC-3-20		
	3½	4¼	1¼	4000	17	1-12-BC-35-20		72-A, 74-A, 78-A, 80-A	
			1½			1-12-BC-35-24			
		¾				T-12-BC-35-12	72-A, 74-A		
		1				T-12-BC-35-16	78-A, 80-A		
		4½	1¼				T-12-BC-35-20		
	4	4½	1	6500	25		T-12-BC-4-16	78-A, 80-A	
			1¼				T-12-BC-4-20		
	16	3	4¼	1¼	4000	25	1-16-BC-3-20		
				1½			1-16-BC-3-24		
4½			1¼				T-16-BC-3-20		
4		5¼	1¼	8000	35½	1-16-BC-4-20			
	1½		1-16-BC-4-24						
18	3	¾	1	3500	23¾	1-18-BC-3-16			
			1¼			1-18-BC-3-20			

†Load rating is for manual operations.

‡Hub length shown for tapered roller bearing wheels includes spacer tubes.

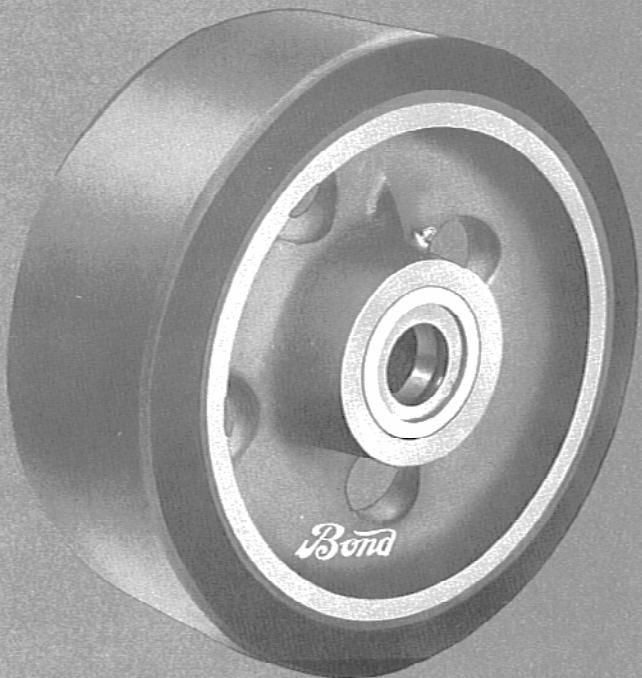
Bond[®] WHEELS

VULC-ON VULCANIZED-ON RUBBER TREAD



Above: Vulc-On wheel with straight roller bearing.

Below: Vulc-On wheel with tapered roller bearing.



A thick cushion tread of natural rubber is molded to a cast semi-steel or aluminum wheel center to provide a quiet-running wheel offering maximum floor protection along with a cushioning effect on the load. This is a rugged, long wearing wheel widely used in floor and power towed truck applications and on many pieces of industrial equipment.

The Vulc-On wheel is available with straight roller bearings or tapered roller bearings, making it an easy rolling wheel on almost any floor surface.

Operating temperatures are: 40° to 160°.

All Vulc-On wheels are lubricated through a pressure fitting in the hub.

These wheels are available in three tread compounds to meet an almost infinite variety of industrial needs.

SOFT TREAD (G1) Durometer 75 Shore A This tread provides maximum floor and load protection in combination with good wearing qualities and low noise level operation. Since the tread is soft, loads left standing for long periods of time may cause flat spots in the tread.

HARD TREAD (G2) Durometer 95 Shore A This wheel offers twice the capacity of the G1 compound. It is recommended for operating over comparatively smooth floors having no sharp obstructions. While the G2 compound does not have the great flexing qualities of G1, it still provides the resilience to protect floors and give long service life.

NEOPRENE COMPOUND (G3) Very similar to rubber (G1) in physical qualities and capacity. It is superior to rubber when in contact with oils, acids, animal fats, and other animal by-products, solvents of all kinds, and water exposure.

OPTIONAL FEATURES

Keyways and/or set-screws for locking wheels to axle.

Special hub lengths—consult factory

Aluminum wheel centers—see page 59.

Wheel bearing seals—consult factory.

SPECIFICATIONS/VULC-ON RUBBER TREAD WHEELS

Diameter Inches	WHEEL DESCRIPTION					WHEEL NUMBER◆		Used In Caster Series (same wheel used in matching rigid series)
	Face § Inches	Hub Length‡ Inches	Roller Bearing I.D. Inches	Load Rating† lbs.	Approx. Weight lbs.	Straight Roller Bearing	Tapered Roller Bearing	
4	1½	1¾	½	250	2½	1-4-2422AG1-15-8		
			5/8			1-4-2422AG1-15-10		
			¾			1-4-2422AG1-15-12		36-A, 40-A, 50-A, 52-A
	2	2¾	½	350	2¾	1-4-3298G1-2-8		
			5/8			1-4-3298G1-2-10		
			¾			1-4-3298G1-2-12		42-A, 44-A, 46-A, 48-A
2¼	2¾	7/8	350	3	1-4-2440G1-25-14			
5	1⅞	2	¾	320	4	1-5-2418G1-2-12		36-A, 40-A
	2	2¾	½	400	5	1-5-3299G1-2-8		
			5/8			1-5-3299G1-2-10		
			¾			1-5-3299G1-2-12		42-A, 42-J, 44-A, 46-A, 48-A, 50-A, 52-A
	2½	¾	1	470	6	1-5-3070G1-25-16		40-AMH
		¾	¾				T-5-3070G1-25-12	40-AMH
6	1½	1¾	¾	280	3½	1-6-2851G1-15-12		
	2	2¾	½	410	6	1-6-2867G1-2-8		
			5/8			1-6-2867G1-2-10		
			¾			1-6-2867G1-2-12		40-A, 42-A, 42-J, 44-A, 46-A, 48-A, 50-A, 52-A
	2½	¾	¾	540	7	1-6-3071G1-25-12		40-AW
			1			1-6-3071G1-25-16		40-AMH
			1¼			1-6-3071G1-25-20		
			¾				T-6-3071G1-25-12	40-AMH
	3	¾	1	680	8	1-6-2509G1-3-16		
1¼			1-6-2509G1-3-20					
	¾	¾				T-6-2509G1-3-12		
8	2	2¾	½	500	8¼	1-8-3178G1-2-8		
			5/8			1-8-3178G1-2-10		
			¾			1-8-3178G1-2-12		40-A, 42-A, 42-J, 44-A, 46-A, 48-A
			1			1-8-2434G1-2-16		
	2½	¾	¾	670	11	1-8-2428G1-25-12		36-A, 40-AW
			1			1-8-2428G1-25-16		40-AMH
	¾	¾				T-8-2428G1-25-12	40-AMH	
3	¾	1	840	15	1-8-2940G1-3-16		72-A, 74-A, 76-A	
		1¼			1-8-2940G1-3-20		40-AMHW, 40-AH	
	¾				T-8-2940G1-3-12	40-AMHW, 40-AH, 72-A, 74-A, 76-A		
	1				T-8-2940G1-3-16			

†Load ratings are those of The Caster & Floor Truck Manufacturers Assn., for manual operating speeds. For power operation, consult factory. Ratings shown are for G1 and G3 tread compounds. For G2 ratings (hard tread), multiply the rating by 2.

◆To order hard tread (G2) or neoprene tread (G3), substitute G2 or G3 symbols for G1 in the wheel number. (1-6-3071G2-25-12)

‡Hub length shown for tapered roller bearing wheels includes spacer tubes.

§Measured at rim, not point of floor contact.

SPECIFICATIONS/VULC-ON RUBBER TREAD WHEELS

WHEEL DESCRIPTION						WHEEL NUMBER◆		Used In Caster Series (same wheel used in matching rigid series)
Diameter Inches	Face § Inches	Hub Length‡ Inches	Roller Bearing I.D. Inches	Load Rating† lbs.	Approx. Weight lbs.	Straight Roller Bearing	Tapered Roller Bearing	
10	2	2½	¾	600	12¾	1-10-2774G1-2-12		40-A
			1			1-10-2774G1-2-16		
	2½	3¼	¾	790	16¾	1-10-2288AG1-25-12		40-AW
			1			1-10-2288AG1-25-16		40-AMH
			1¼			1-10-2288AG1-25-20		
	3	3¼	¾	1000	19		T-10-2288AG1-25-12	40-AMH
			1¼			1-10-3285G1-3-16	72-A, 74-A, 76-A	
		3½	¾			1-10-3285G1-3-20	40-AMHW, 40-AH, 78-A, 80-A	
			1				T-10-3285G1-3-12	40-AMHW, 40-AH, 72-A, 74-A, 76-A
			1¼				T-10-3285G1-3-16	78-A, 80-A
	4	4¼	1	1400	27	1-10-3284G1-4-16		72-A, 74-A, 78-A, 80-A
			1¼			1-10-3284G1-4-20		
			1½			1-10-3284G1-4-24		
		4½	¾				T-10-3284G1-4-12	72-A, 74-A
			1				T-10-3284G1-4-16	78-A, 80-A
			1¼				T-10-3284G1-4-20	
1½						T-10-3284G1-4-24		
12	2½	3¼	1	900	21½	1-12-2946G1-25-16		
			1¼			1-12-2946G1-25-20		
	3	3¼	1	1140	27	1-12-2934G1-3-16		72-A, 74-A, 76-A
			1¼			1-12-2934G1-3-20		40-AH, 78-A, 80-A
		3½	¾				T-12-2934G1-3-12	40-AH, 72-A, 74-A, 76-A
			1				T-12-2934G1-3-16	78-A, 80-A
	3½	4¼	1¼	1370	32	1-12-3286G1-35-20		72-A, 74-A, 78-A, 80-A
			1½			1-12-3286G1-35-24		
		4½	¾				T-12-3286G1-35-12	72-A, 74-A
			1				T-12-3286G1-35-16	78-A, 80-A
			1¼				T-12-3286G1-35-20	
	4	4¼	1¼	1600	34	1-12-2801G1-4-20		72-A, 74-A, 78-A, 80-A
			1½			1-12-2801G1-4-24		
		4½	¾				T-12-2801G1-4-12	72-A, 74-A
			1				T-12-2801G1-4-16	78-A, 80-A
	14	2½	3¼	1¼	1020	29½	1-14-2964G1-25-20	
1½				1-14-2964G1-25-24				
3		4¼	1	1280	34	1-14-2668G1-3-16		
			1¼			1-14-2668G1-3-20		
			1½			1-14-2668G1-3-24		
16	2½	3¼	1¼	1130	35	1-16-2943G1-25-20		
			1½			1-16-2943G1-25-24		
	3	4¼	1¼	1420	40	1-16-2291G1-3-20		
			1½			1-16-2291G1-3-24		
18	2½	3¼	1¼	1240	45	1-18-2966G1-25-20		
			1½			1-18-2966G1-25-24		
	3	4¼	1¼	1550	50	1-18-2292G1-3-20		
			1½			1-18-2292G1-3-24		
	3½	4¼	1¼	1860	62	1-18-2790G1-35-20		
			1½			1-18-2790G1-35-24		

†Load ratings are those of The Caster & Floor Truck Manufacturers Assn., for manual operating speeds. For power operation, consult factory. Ratings shown are for G1 and G3 tread compounds. For G2 ratings (hard tread), multiply the rating by 2.

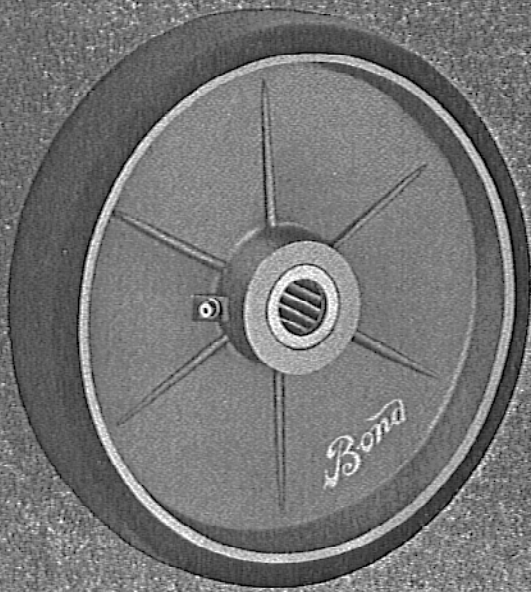
◆To order hard tread (G2) or neoprene tread (G3), substitute G2 or G3 symbols for G1 in the wheel number. (1-6-3071G2-25-12)

‡Hub length shown for tapered roller bearing wheels includes spacer tubes.

§Measured at rim, not point of floor contact.

Bond WHEELS

VULC-ON ALUMINUM CENTER RUBBER TREAD (LOW PROFILE)



These wheels should be used where a light aluminum wheel coupled with the performance advantages of the Vulc-On tread best serve your needs. In all respects, the aluminum center wheel matches the performance characteristics of the cast semi-steel wheel center. Aluminum center wheels should not be used around animal fats, blood grease, oil or salt.

This wheel is also available with the optional tread compounds, G2-hard tread, or G3-neoprene tread. Therefore the buyer must specify which tread is desired by adding these symbols to the wheel number—G1-SOFT TREAD, G2-HARD TREAD, G3 NEOPRENE. (6-AR-2-12-G1)

The chart below indicates where these wheels might be substituted for the semi-steel Vulc-On wheel in Bond casters. To do so, merely add the suffix AR to the existing caster number—1542-A-5-AR.

The Vulc-On aluminum center wheel is only available with straight roller bearings.

SPECIFICATIONS/VULC-ON ALUMINUM CENTER RUBBER TREAD WHEELS

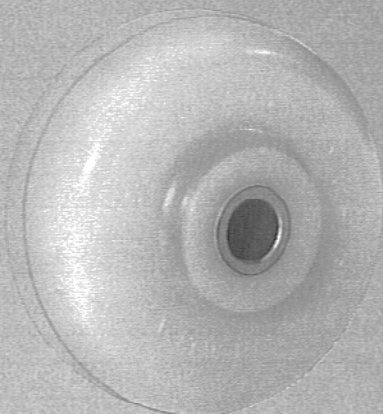
WHEEL DESCRIPTION						WHEEL NUMBER	
Diameter	Face §	Hub Length	Roller Bearing I.D.	Load Rating†	Approx. Weight	Straight Roller Bearing	Used In Caster Series (Same wheel used in matching rigid series)
Inches	Inches	Inches	Inches	lbs.	lbs.		
4	1½	1⅝	½	250	1¼	1-4-AR-15-8	
			5/8			1-4-AR-15-10	
			¾			1-4-AR-15-12	
	2	2⅜	½	350	1½	1-4-AR-2-8	
			5/8			1-4-AR-2-10	
			¾			1-4-AR-2-12	
5	1½	1⅝	½	300	1½	1-5-AR-15-8	
			5/8			1-5-AR-15-10	
			¾			1-5-AR-15-12	
	2	2⅜	½	400	2	1-5-AR-2-8	
			5/8			1-5-AR-2-10	
			¾			1-5-AR-2-12	
	2½	2¾	1	470	2½	1-5-AR-25-16	
			1¼			1-5-AR-25-20	
6	1½	1⅝	½	280	1¾	1-6-AR-15-8	
			5/8			1-6-AR-15-10	
			¾			1-6-AR-15-12	
	2	2⅜	½	410	2	1-6-AR-2-8	
			5/8			1-6-AR-2-10	
			¾			1-6-AR-2-12	
8	2	2⅜	½	500	3	1-8-AR-2-8	
			5/8			1-8-AR-2-10	
			¾			1-8-AR-2-12	
	2½	2¾	1	670	3¾	1-8-AR-25-16	

†Load rating is for manual operation.

§Measured at rim, not point of floor contact.

Bond WHEELS

BONDUTHANE POLYURETHANE TREAD



25-U-1-6, solid polyurethane wheel

Bonduthane is the trade name for a polyurethane tread liquid cast onto a semi-steel or aluminum wheel center. The result is a high strength, long-wearing, resilient, floor protective wheel with 5 to 10 times the service life of rubber wheels. They are the most durable and versatile of all of the floor protective wheels.

Bonduthane wheels are easy rolling, quiet running on any floor surface and are ideally suited for both manual or power towed operation. They add long life and economy to high capacity tow-line applications where easy starting and sustained motion are essential.

Bonduthane wheels are available with either straight or tapered roller bearings as standard.

These are the outstanding advantages:

- High capacity—equal to comparable metal wheels.
- Floor protection—non-marking, non-staining.
- Easy rolling—easy starting and sustained motion.
- Abrasion resistance—five times that of rubber.
- Quiet running on any floor surface.
- Greater service life.

PHYSICAL PROPERTIES

Hardness—95 (± 5) durometer Shore "A"

Tensile strength—6,200 psi

Elongation—440% at break

Temperature range— -80° to $+200^{\circ}$ F

OPTIONAL FEATURES

Keyways and/or set-screws for locking wheels to axle. Send specifications or consult factory.

Special hub lengths—consult factory.

Wheel bearing seals—consult factory.

**Solid Polyurethane
Also Available**

SPECIFICATIONS/BONDUTHANE POLYURETHANE WHEELS

Diameter Inches	WHEEL DESCRIPTION					WHEEL NUMBER		Used In Caster Series (same wheel used in matching rigid series)	
	Face Inches	Hub Length† Inches	Roller Bearing I.D. Inches	Load Rating† lbs.	Approx. Weight lbs.	Straight Roller Bearing	Tapered Roller Bearing		
2½	1	1⅝	⅜	250	¼	25-U-1-6**		50-A, 52-A	
4	1½	1¾	½	600	2½	1-4-U-15-8			
			⅝			1-4-U-15-10			
			¾			1-4-U-15-12		36-A, 40-A, 52-A	
	2	2⅜	½	750	3	1-4-U-2-8			
			⅝			1-4-U-2-10			
			¾			1-4-U-2-12		42-A, 44-A, 46-A, 48-A	
5	1½	2	½	800	3½	1-5-U-15-8			
			⅝			1-5-U-15-10			
			¾			1-5-U-15-12		36-A, 40-A	
	2	2⅜	½	1050	4	1-5-U-2-8			
			⅝			1-5-U-2-10			
			¾			1-5-U-2-12		42-A, 42-J, 44-A, 46-A, 48-A, 52-A	
	2½	2¾	1	1300	6	1-5-U-25-16-1			
		3¼	1			1-5-U-25-16		40-AMH	
		3½	¾			1-5-U-25-20			
	6	2	2⅜	½	1200	5½	1-6-U-2-8		
				⅝			1-6-U-2-10		
				¾			1-6-U-2-12		36-A, 40-A, 42-A, 42-J, 44-A, 46-A, 48-A, 52-A
2½		3¼	¾	1600	7	1-6-U-25-12		40-AW	
			1			1-6-U-25-16		40-AMH	
			1¼			1-6-U-25-20			
3		3½	¾	2500	8		T-6-U-25-12	40-AMH	
			1			1-6-U-3-16			
			1¼			1-6-U-3-20			
8		2	2⅜	½	1500	9	1-8-U-2-8		
				⅝			1-8-U-2-10		
				¾			1-8-U-2-12		40-A, 42-A, 42-J, 44-A, 46-A, 48-A
	1			1-8-U-2-16					
	2½	3¼	¾	2000	9½	1-8-U-25-12		40-AW	
			1			1-8-U-25-16*		36-A*, 40-AMH	
			1¼			1-8-U-25-20			
			¾				T-8-U-25-12	40-AMH	
	3	3½	1	2500	14		T-8-U-25-16		
			1¼			1-8-U-3-16		72-A, 74-A, 76-A	
			¾			1-8-U-3-20		40-AMHW, 40-AH, 78-A, 80-A	
			1				T-8-U-3-12	40-AMHW, 40-AH, 72-A, 74-A, 76-A	
		1¼				T-8-U-3-16	78-A, 80-A		
						T-8-U-3-20			

†Load rating is for manual operation.

‡Hub length shown for tapered roller bearing wheels includes spacers.

*When wheel is ordered for replacement in 36-A series caster, please specify 2⅞" hub length.

**Equipped with self-lubricating bushing.

SPECIFICATIONS/BONDUTHANE POLYURETHANE WHEELS

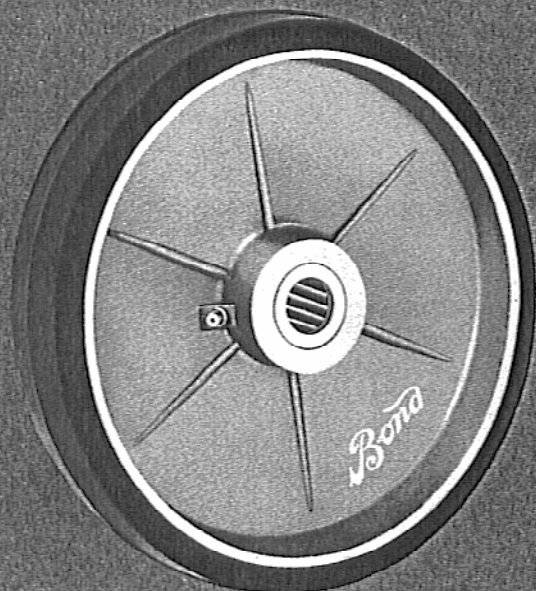
WHEEL DESCRIPTION						WHEEL NUMBER		Used In Caster Series (same wheel used in matching rigid series)
Diameter Inches	Face Inches	Hub Length‡ Inches	Roller Bearing I.D. Inches	Load Rating† lbs.	Approx. Weight lbs.	Straight Roller Bearing	Tapered Roller Bearing	
10	2½	¾	¾	2400	20	1-10-U-25-12		40-AW
			1			1-10-U-25-16		40-AMH
			1¼			1-10-U-25-20		
		3½	¾			T-10-U-25-12	40-AMH	
	3	¾	1	3000	20	1-10-U-3-16		72-A, 74-A, 76-A
			1¼			1-10-U-3-20		40-AMHW, 40-AH, 78-A, 80-A
			¾				T-10-U-3-12	40-AMHW, 40-AH, 72-A, 74-A, 76-A
		3½	1			T-10-U-3-16	78-A, 80-A	
		1¼				T-10-U-3-20		
	4	¾	1	4200	30	1-10-U-4-16		
			1¼			1-10-U-4-20		72-A, 74-A, 78-A, 80-A
1½			1-10-U-4-24					
4½		¾				T-10-U-4-12	72-A, 74-A	
1			T-10-U-4-16			78-A, 80-A		
1¼			T-10-U-4-20					
12	2½	¾	1	2800	23	1-12-U-25-16		
			1¼			1-12-U-25-20		
	3	¾	1	3500	32	1-12-U-3-16		72-A, 74-A, 76-A
			1¼			1-12-U-3-20		40-AH, 78-A, 80-A
			1½			1-12-U-3-24		
		3½	¾				T-12-U-3-12	40-AH, 72-A, 74-A, 76-A
		1				T-12-U-3-16	78-A, 80-A	
		1¼				T-12-U-3-20		
	3½	¾	1¼	4110	33	1-12-U-35-20		72-A, 74-A, 78-A, 80-A
			1½			1-12-U-35-24		
		4½	¾				T-12-U-35-12	72-A, 74-A
		1				T-12-U-35-16	78-A, 80-A	
	4	¾	1¼	4800	34	1-12-U-4-20		72-A, 74-A, 78-A, 80-A
			1½			1-12-U-4-24		
			¾				T-12-U-4-12	72-A, 74-A
		4½	1				T-12-U-4-16	78-A, 80-A
1¼						T-12-U-4-20		

†Load rating is for manual operation.

‡Hub length shown for tapered roller bearing wheels includes spacers.

Bond WHEELS

BONDUTHANE ALUMINUM CENTER POLYURETHANE TREAD



A real energy saver. Nowhere will you find a wheel with the capacity to weight ratio of these wheels. Equipped with straight roller bearings, they are easy starting and easy rolling, requiring less power on any floor surface. In addition, they provide many times the life of any other floor protective wheel thereby offering economy as well as durability.

In all respects, the aluminum center wheel matches the performance characteristics and physical properties of the Bonduthane cast semi-steel wheel. However, like all aluminum center wheels, they should not be used around animal fats, blood, grease, oil or salt.

The chart below indicates where these wheels might be substituted for the semi-steel Bonduthane wheel in Bond casters. To do so, merely add the suffix AU to the existing caster number—1842-A-5-AU.

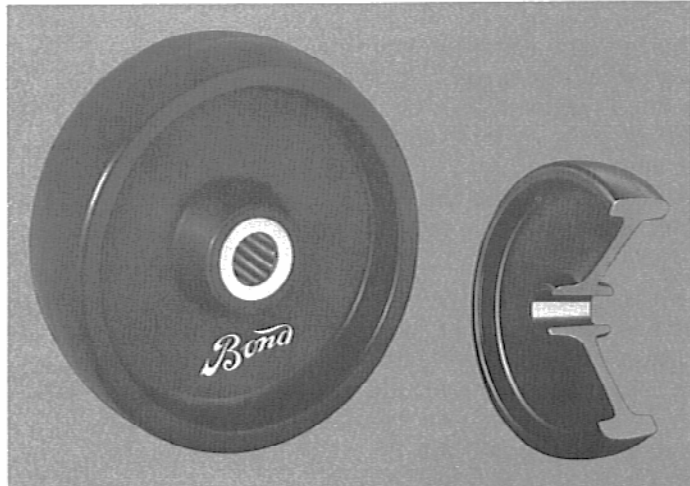
SPECIFICATIONS/BONDUTHANE ALUMINUM CENTER POLYURETHANE WHEELS

WHEEL DESCRIPTION						WHEEL NUMBER	
Diameter Inches	Face Inches	Hub Length Inches	Roller Bearing I.D. Inches	Load Rating† lbs.	Approx. Weight lbs.	Straight Roller Bearing	Used In Caster Series (Same wheel used in matching rigid series)
4	1½	1⅝	½	600	1	1-4-AU-15-8	
			⅝			1-4-AU-15-10	
			¾			1-4-AU-15-12	36-A, 40-A, 52-A
	2	2⅜	½	700	1½	1-4-AU-2-8	
			⅝			1-4-AU-2-10	
			¾			1-4-AU-2-12	42-A, 44-A, 46-A, 48-A
5	1½	1⅝	½	720	1½	1-5-AU-15-8	
			⅝			1-5-AU-15-10	
			¾			1-5-AU-15-12	36-A, 40-A
	2	2⅜	½	1050	1¾	1-5-AU-2-8	
			⅝			1-5-AU-2-10	
			¾			1-5-AU-2-12	42-A, 42-J, 44-A, 46-A, 48-A, 52-A
	2½	2¾	1	1300	2½	1-5-AU-25-16	
			1¼			1-5-AU-25-20	
			½			1-6-AU-15-8	
6	1½	1⅝	⅝	840	1¾	1-6-AU-15-10	
			¾			1-6-AU-15-12	
			½			1-6-AU-2-8	
	2	2⅜	⅝	1200	2¼	1-6-AU-2-10	
			¾			1-6-AU-2-12	40-A, 42-A, 42-J, 44-A, 46-A, 48-A, 52-A
			½			1-8-AU-2-8	
8	2	2⅜	⅝	1500	2¼	1-8-AU-2-10	
			¾			1-8-AU-2-12	40-A, 42-A, 42-J, 44-A, 46-A, 48-A
			1			1-8-AU-25-16	

†Load rating is for manual operation.

Bond[®] WHEELS

BONDRELENE INJECTION MOLDED POLYOLEFIN



Bondrelene wheels offer high impact resistance, rolling ease, floor protection, and durability. They are a hard, non-marking, stain resistant wheel with zero water absorption, impervious to grease, oil, gasoline, cooking fats and most acids. They may be steam cleaned. Operating temperature range is -20° to $+220^{\circ}$. Bondrelene wheels are available with plain bore or with straight roller bearings.

The Bondrelene wheel is ideally suited for light, medium and medium heavy duty uses in process industries of all types, laundries, bakeries, meat packing plants, manufacturing plants and countless equipment applications in labs, institutions and warehouses.

SPECIFICATIONS/BONDRELENE POLYOLEFIN WHEELS

WHEEL DESCRIPTION					WHEEL NUMBER			Used In Caster Series (same wheel used in matching rigid series)	
Diameter Inches	Face Inches	Hub Length Inches	Roller Bearing I.D. Inches	Load Rating† lbs.	Approx. Weight lbs.	Plain Bearing	Straight Roller Bearing		
2	3/4	7/8	1/4	90	1/16	2-P-1-4		50-A	
2 1/2	1 1/8	1 5/16	3/8	175	1/8	25-P-1-6		50-A, 52-A	
3	1 1/4	1 9/16	1/2	300	1/8	3-P-1-8		50-A, 52-A	
			3/4	350	1/2	4-P-15-12		40-A, 50-A, 52-A	
4	1 1/2	1 5/8	1/2	450	3/4		1-4-P-15-8		
			5/8			1-4-P-15-10			
			3/4			1-4-P-15-12	40-A, 50-A, 52-A		
	2	2 3/16	2 1/4	3/4	375	1/2	4-P-2-12		
			1/2	500	3/4		1-4-P-2-8		
						1-4-P-2-10			
3/4	1-4-P-2-12	42-A, 44-A, 46-A, 48-A							
5	1 1/2	1 5/8	3/4	400	5/8	5-P-15-12		40-A	
			1/2	500	3/4		1-5-P-15-8		
			5/8			1-5-P-15-10			
	2	2 3/16	3/4	450	5/8	5-P-2-12		40-A	
			1/2	600	1		1-5-P-2-8		
			5/8			1-5-P-2-10			
3/4	1-5-P-2-12	42-A, 42-J, 44-A, 46-A, 48-A, 50-A, 52-A							
6	1 1/2	1 5/8	3/4	450	3/4	6-P-15-12			
			1/2	550	1		1-6-P-15-8		
			5/8			1-6-P-15-10			
	2	2 1/4	1/2	500	7/8		6-P-2-8		
			5/8			6-P-2-10			
			3/4	6-P-2-12	40-A, 50-A, 52-A				
2 3/16	5/8	1/2	650	1 1/4		1-6-P-2-8			
		5/8			1-6-P-2-10				
		3/4			1-6-P-2-12	40-A, 42-A, 42-J, 44-A, 46-A, 48-A, 50-A, 52-A			
8	2	2 3/16	2 1/4	500	1 3/4	8-P-2-12			
			1/2	700	2		1-8-P-2-8		
						1-8-P-2-10			
						1-8-P-2-12	42-A, 42-J, 44-A, 46-A, 48-A		

†Load rating is for manual operation.

Bond TRUCK LOCKS

To hold castered equipment in a fixed position.

Bond Truck Locks are easily fitted to the underside of castered equipment to prevent inadvertent movement. Stepping on the pedal activates a toggle action engaging the large spring-loaded, friction-faced, brake disk tightly against the floor. Pressing on the release rod disengages the lock. Note: locks are designed to firmly fix the position of the equipment, not to lift it off the floor.

For equipment with two rigid and two swivel casters, a single floor lock mounted between the swivel casters is sufficient. Equipment with four swivel casters should have two floor locks, mounted on opposite sides of the equipment.

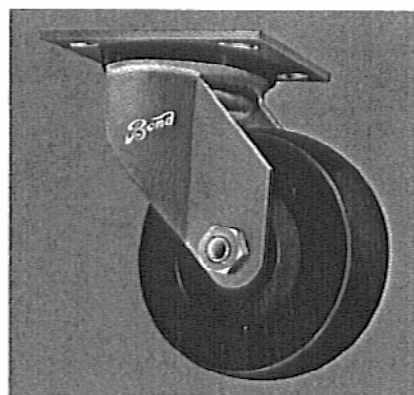
* Available with grooved brake pad for use with Bond V-grooved wheel casters on angle iron track. Large pad area also permits use on flat floor area.



DIMENSIONS (Inches)

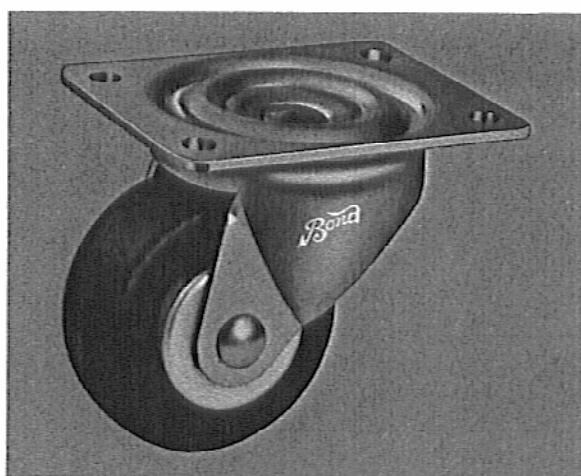
Catalog Number	Height		Mounting Plate	Bolt Hole Spacing	Bolt Size	Wt. lbs.	Used with caster series
	Locked	Retracted					
4TL*	5 $\frac{5}{8}$	4 $\frac{9}{16}$	4 $\frac{1}{4}$ x 4 $\frac{13}{16}$	2 $\frac{5}{8}$ x 3 $\frac{5}{8}$ to 3 x 3	3 $\frac{3}{8}$	7 $\frac{1}{2}$	40/41-A; 36/1-A all 4" wheels
4TL-1	5 $\frac{13}{32}$	4 $\frac{9}{16}$					
6TL*	8	6 $\frac{3}{4}$	4 $\frac{3}{4}$ x 6 $\frac{1}{2}$	3 $\frac{3}{8}$ x 5 $\frac{1}{4}$ to 2 $\frac{7}{16}$ x 4 $\frac{15}{16}$	1 $\frac{1}{2}$	10 $\frac{1}{2}$	40/41-A; 40/41-AW all 6" wheels 50-A; 52-A; 51-A all 6" wheels 40/41-AMH all 6" wheels
6TL-1*	7 $\frac{1}{2}$	6					
6TL-2*	8 $\frac{1}{8}$	7 $\frac{1}{8}$					
6TL-3	7 $\frac{3}{4}$	6 $\frac{11}{16}$					
6TL-4*	8 $\frac{5}{16}$	7 $\frac{5}{16}$					
8TL*	10 $\frac{1}{2}$	9 $\frac{1}{2}$	4 $\frac{3}{4}$ x 6 $\frac{1}{2}$	3 $\frac{3}{8}$ x 5 $\frac{1}{4}$ to 2 $\frac{7}{16}$ x 4 $\frac{15}{16}$	1 $\frac{1}{2}$	15	36/1-A all 6" wheels 40/41-AMH; 40/41-AMHW; 36/1-A all 8" wheels
8TL-1	10 $\frac{1}{4}$	9 $\frac{1}{8}$					

GREASE SEALS—SWIVEL and WHEEL



Whenever casters are used in the presence of dirt, dust, water or other foreign matter, grease seals should be used to protect the swivel and wheel bearings. Bond grease seals for swivels are molded neoprene and provide positive ball race protection from harmful environments without interfering with the swivelling action of the caster. Available as indicated on the caster pages. Order by adding GS to the caster number. Wheel bearing seals are available for all Bond roller bearing wheels. Order by adding WS to the caster number.

THREAD GUARDS



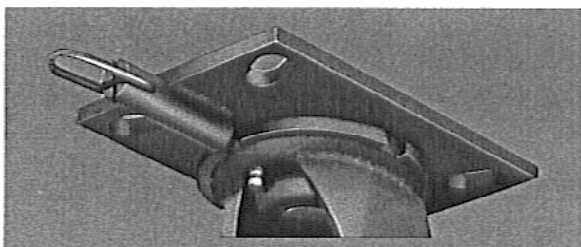
These are formed steel discs, non-rotating, locked tightly between the caster leg and the steel axle sleeve to prevent string, thread and lint from clogging the axle and bearing. Wheel bearings are lubricated through a pressure fitting in the axle. Available as indicated on the caster pages. Add TG to the caster number when ordering.

SWIVEL and WHEEL BRAKE

A hand operated, lever action method of simultaneously locking both swivel action and wheel motion. The lever is pulled up to lock and pressed down to release. Lever action is firm to guard against accidental release. Available as indicated on the caster pages. Add SWB to the caster number when ordering.



SWIVEL LOCK



A plunger type, hand operated, two or four position, permanently attached. Converts swivel caster to rigid. Available as indicated on the caster pages. Add SL2 or SL4 to caster number when ordering.



Casters
and Wheels

BOND FOUNDRY AND MACHINE COMPANY

230 South Penn Street □ Manheim, PA 17545

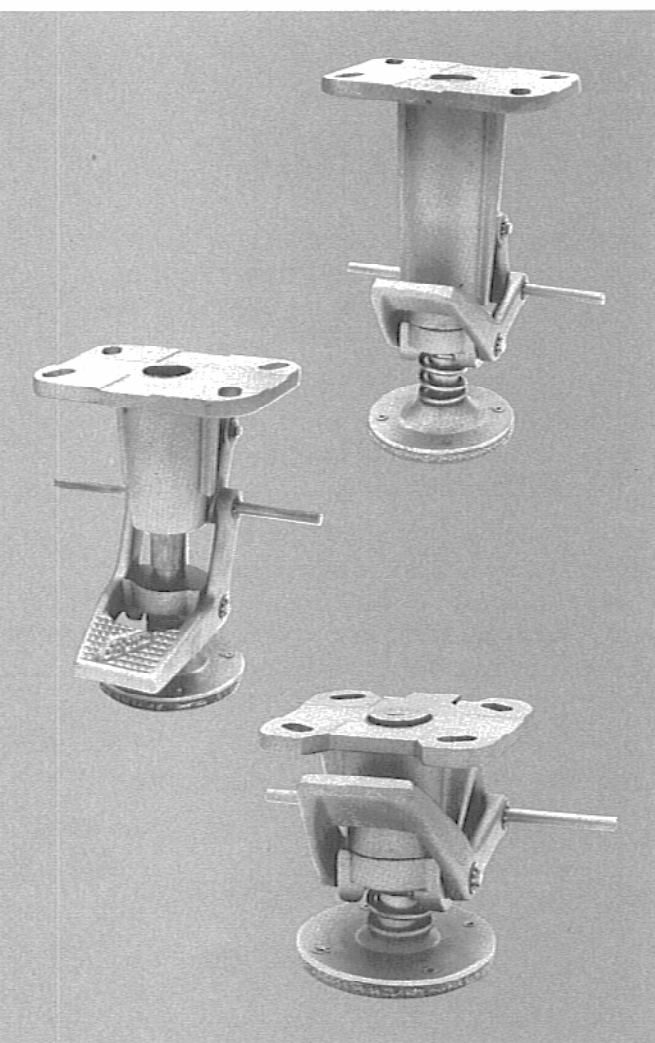
(717) 665-2275

1-(800) 233-2663

Bond

PRODUCT NEWS

BOND FOUNDRY AND MACHINE COMPANY
230 South Penn Street • Manheim, PA 17545 • (717) 665-2275



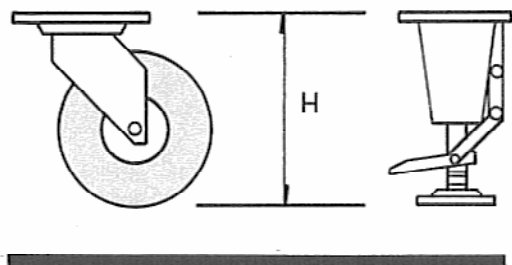
TRUCK LOCKS

To hold castered equipment in a fixed position.

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For equipment with two rigid and two swivel casters, a single floor lock mounted between the swivel casters is sufficient. Equipment with four swivel casters should have two floor locks, mounted on opposite sides of the equipment.

Note: locks are designed to firmly fix the position of the equipment, not to lift it off the floor.



DIMENSIONS (Inches)							
Catalog Number	Height		Mounting Plate	Bolt Hole Spacing	Bolt Size	Wt. lbs.	Used with caster series
	Locked	Retracted					
4TL	5 ⁵ / ₈	4 ⁹ / ₁₆	4 ³ / ₄ x 4 ¹³ / ₁₆	2 ⁵ / ₈ x 3 ⁵ / ₈ to 3 x 3	3/8	7 ¹ / ₂	40/41-A; 36/1-A all 4" wheels
4TL-1	5 ¹³ / ₃₂	4 ⁹ / ₁₆				7 ¹ / ₂	
6TL	8	6 ³ / ₄	4 ³ / ₄ x 6 ¹ / ₂	3 ³ / ₈ x 5 ¹ / ₄ to 2 ⁷ / ₁₆ x 4 ¹⁵ / ₁₆	1/2	10 ¹ / ₂	40/41-A; 40/41-AW all 6" wheels
6TL-1	7 ¹ / ₂	6				10 ¹ / ₄	50-A; 52-A; 42-A; 44-A; 48-A all 6" wheels
6TL-2	8 ¹ / ₈	7 ¹ / ₈				10 ¹ / ₂	40/41-AMH all 6" wheels
6TL-3	8	6 ¹¹ / ₁₆				10 ¹ / ₂	40/41-A all 6" wheels
6TL-4	8 ⁵ / ₁₆	7 ⁵ / ₁₆				10 ¹ / ₂	36/1-A all 6" wheels
8TL	10 ¹ / ₂	9 ¹ / ₂	4 ³ / ₄ x 6 ¹ / ₂	3 ³ / ₈ x 5 ¹ / ₄ to 2 ⁷ / ₁₆ x 4 ¹⁵ / ₁₆	1/2	15	40/41-AMH; 40/41-AMHW; 36/1-A all 8" wh
8TL-1	10 ¹ / ₄	9 ¹ / ₈				15	

Height adjustments can be made by shimming or factory modifications.

Bond[®]

CASTERS

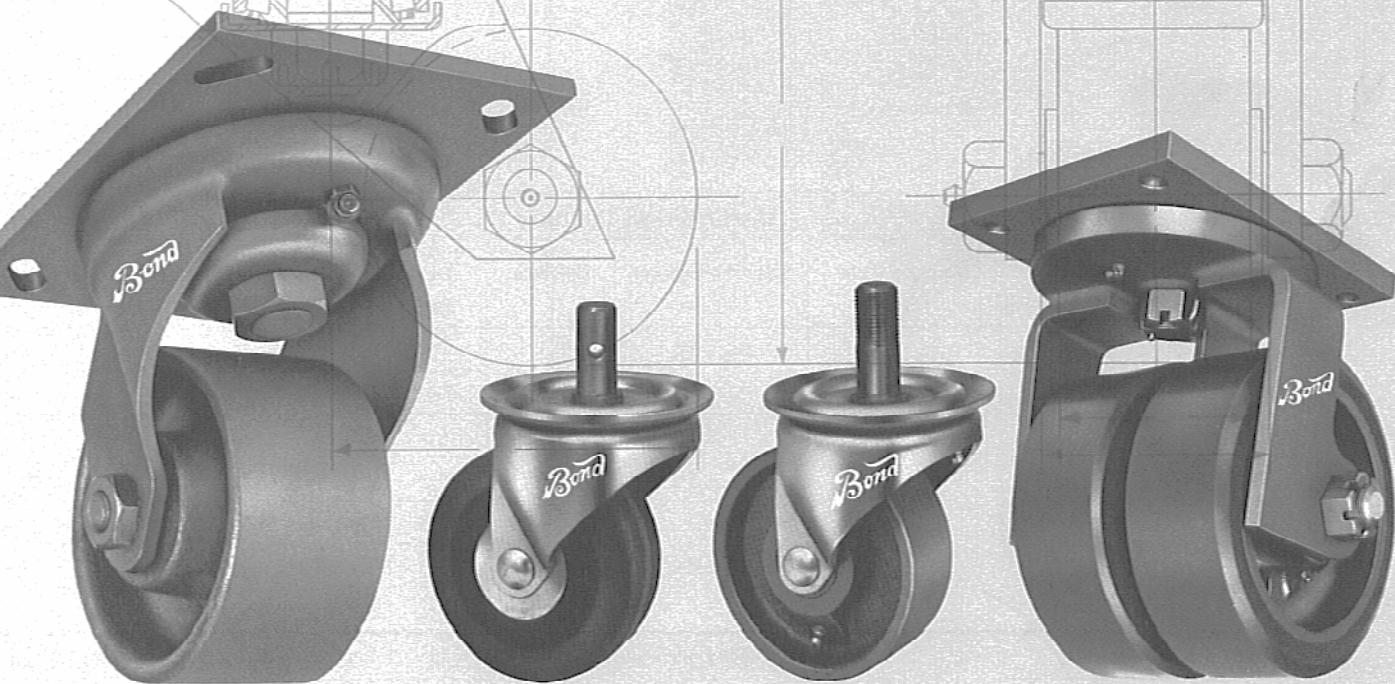
FOR OEM and SPECIALIZED APPLICATIONS

In this catalog we present caster rig and wheel combinations to meet the widest possible segment of industrial, commercial and institutional user needs. Our more than 60 years of experience tells us that this is only true for the moment.

Almost daily, we receive inquiries from our distributors or direct from users for special adaptations of standard casters or wheels and many times for a completely new caster to meet the specialized needs of a new piece of equipment or new production requirement.

Bond offers a great wealth of experience in caster application engineering and in caster development. We invite you to draw upon this experience in finding the answer to your next unique requirement. You will find our knowledge, our down-to-earth practicality and our rapid response a welcome addition to your own experience and engineering efforts. Your inquiry incurs no obligation, only an opportunity for us to serve you.

If you have a caster problem . . . call us! We may already have your answer.



Bond

PRODUCT NEWS



BOND CASTER AND WHEEL CORP.
P.O. Box 339 - 230 S. Penn ST
Manheim, PA 17545 • (717) 665-2275
Email: bondcaster@supernet.com

MATERIAL HANDLING DOLLIES

These are the ideal solution to the problem of moving equipment, machinery or material quickly and easily over short distances. Made of cast iron enriched with steel for strength and durability, all types of Bond Dollies are available with floor protective or metal wheels. This design permits smooth easy move-

ment in any direction assuring maximum maneuverability in even the most congested areas. Bond Tripods are a welcome addition to any maintenance or operating department in industrial, commercial, institutional or general office operations.

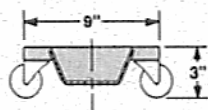
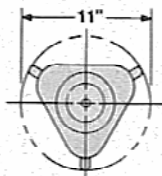
MODEL No. 2127 MEDIUM DUTY DOLLY

CONSTRUCTION
BODY: Cast semi-steel with 2" deep well, measuring 5" at top and 3 3/16" at bottom. Underclearance—5/8" from floor.
CASTERS: Bond semi-steel swivel casters with 2" diameter wheels.
WHEELS: Hard tread solid rubbers wheels are standard. Other wheels are available and must be specified, see chart.
WEIGHT: 8 1/2 lbs.
CAPACITIES:

Wheel Type	Capacity (lbs.)
Hard tread, solid rubber	375
Soft tread, solid rubber	225
Semi-steel wheel	450
Bondrelene wheel	270



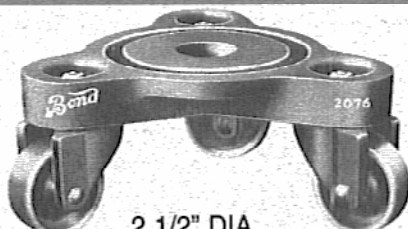
2" DIA.



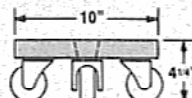
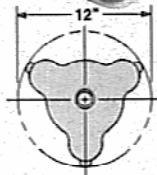
MODEL No. 2076 HEAVY DUTY DOLLY

CONSTRUCTION
BODY: Cast semi-steel with 1 1/4" deep center hole measuring 1 3/4" at top and 1 1/4" at bottom.
CASTERS: Bond semi-steel swivel casters with 2 1/2" diameter wheels.
WHEELS: Semi-steel wheels are standard. Other wheels are available and must be specified, see chart.
WEIGHT: 14 1/2 lbs.
CAPACITIES:

Wheel Type	Capacity (lbs.)
Semi-steel wheel	525
Hard tread, solid rubber	525
Soft tread, solid rubber	330



2 1/2" DIA.



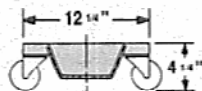
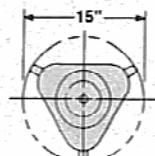
MODEL No. 3310 SUPER DUTY DOLLY

CONSTRUCTION
BODY: Cast semi-steel with 2" deep wall measuring 6 3/4" at top and 5 1/4" at bottom. Underclearance—2" from floor.
CASTERS: Bond semi-steel swivel casters with 3" diameter wheels.
WHEELS: Bondcelon/phenolic wheels are standard. Other wheels are available and must be specified, see chart.
WEIGHT: 18 1/2 lbs.
CAPACITIES:

Wheel Type	Capacity (lbs.)
Hard tread, solid rubber	630
Soft tread, solid rubber	375
Semi-steel wheel	750
Bondcelon/phenolic wheel	750



3" DIA.



ADDITIONAL BOND PRODUCTS

Bondcelon

These high capacity wheels are resistant to water, oils, grease, animal fats and commonly used acids and detergents. They are made of macerated fabric, impregnated with phenolic resin and molded under high pressure and heat to form a high density, tough, high capacity, low cost wheel.

Bonduthane

Easy rolling and quiet running on any floor surface and are ideally suited for both manual or powered operations. They are the most durable and versatile of all of the floor protective wheels. Bonduthane offers 5 to 10 times the service life of rubber tread wheels. Excellent temperature range.

Bondrelene

Easy starting and easy rolling, these non-marking, stain resistant wheels are impervious to grease, oil, gasoline, cooking fats and most acids. May be steam cleaned. Low in cost.

Semi-Steel

These wheels should be used where load carrying capacity and ease of rolling are the primary considerations and floor protection is secondary. They are excellent for high temperature applications. Semi-Steel wheels are cast iron enriched with steel to provide a high strength, tough, abrasion resistant high capacity wheel.

Vulic-On

A thick cushion tread of natural rubber, molded to a cast iron wheel center to provide a quiet-running, floor protective wheel for heavier duty service than the solid rubber wheel. Available with soft tread (G1) durometer 75, hard tread (G2) durometer 95, and Neoprene (G3) for use in contact with oils, acids, animal

V-Grooved

These are cast semi-steel with a heavy cross section for maximum load carrying capacity. They are used on inverted angle iron track. They provide an inexpensive means of guiding and moving production or assembly line fixtures and dollies. They are excellent through ovens and other confined areas.

Solid Rubber

These are precision molded units of high grade rubber. They are available with either soft or hard tread.

Soft Tread—A soft cushion tread is permanently mumm floor protection and quiet operation.

Hard Tread—Composed entirely of hard rubber they provide higher capacity and easier rolling than the soft tread.

Solid Bonduthane

We can supply these wheels with a hardness of 80 shore "D" durometer from 2" to 8" diameter. Solid polyurethanes are an ideal wheel for a multitude of floors since they are nonmarking and able to withstand heavy loads. They can be furnished with straight roller bearings, delrin bearings, or precision ball bearings

CASTERS FOR OEM/SPECIALIZED APPLICATIONS

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