

Bond

By

**SERVICE
CASTER
CORP.**

1-800-215-8220



Service Caster Corp., 9 First Avenue, West Reading, PA 19611

BEARINGS

WHEEL BEARINGS



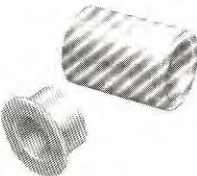
STRAIGHT ROLLER BEARINGS Because of the great popularity of this type of bearing in industrial applications, they are available in all Bond Casters. All Bond roller bearing wheels are equipped with high quality roller bearings with split outer raceways and hardened steel rollers held parallel to the 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.



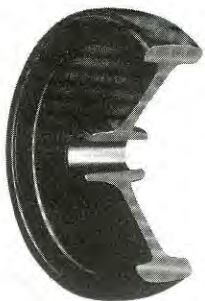
TAPERED ROLLER BEARINGS All Bond casters designed for extra heavy service and high speed operation offer tapered roller bearings. Two bearings are used per wheel, one in each side of the hub and ride directly on the axle. Bearing adjustment is provided by tightening the legs of the caster against the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



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



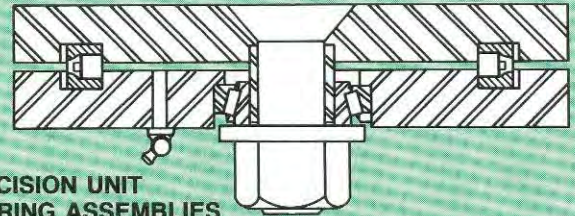
PLASTIC BEARINGS Ideal around water or corrosive substances or for high or low temperature service. Consult factory for application information.



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.

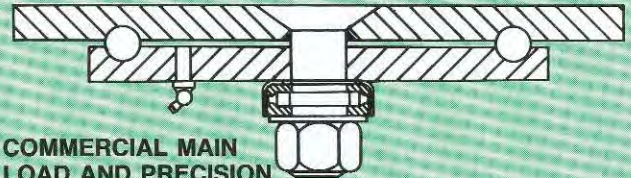
LUBRICATION: All Bond casters and wheels are lubricated at the factory with a good general purpose industrial lubricant. For a slight extra cost, you may specify a lubricant to meet special environmental requirements—low or high temperature, or other considerations.

SWIVEL BEARINGS



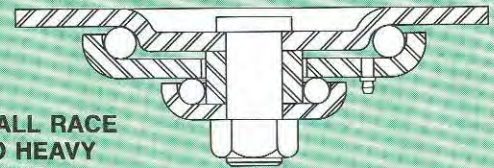
PRECISION UNIT BEARING ASSEMBLIES FOR LOAD AND THRUST

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.



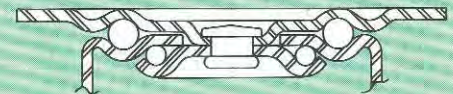
COMMERCIAL MAIN LOAD AND PRECISION SECONDARY BEARING

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 thrust bearing. Recommended for trailer type service.



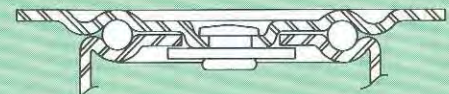
DOUBLE BALL RACE MEDIUM TO HEAVY DUTY SERVICE

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.

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.

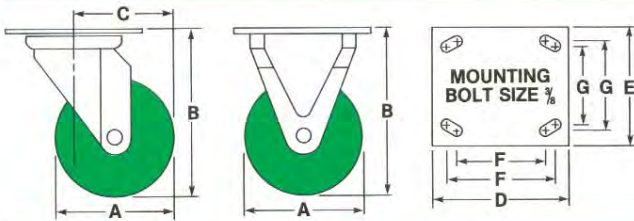
SPECIFICATIONS SERIES 40-A/41-A

WHEEL SPECIFICATIONS			CASTER SPECIFICATIONS								
Diameter "A" Inches	Face Inches	Type	SWIVEL CASTERS				MATCHING RIGID CASTERS				
			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	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 ⁹ / ₁₆	Solid Rubber ST	225		13ST40-A-4		4		13ST41-A-4	3¾	
		Solid Rubber HT	400		13HT40-A-4		4		13HT41-A-4	3¾	
	1½	Bondcelon	550		1440-A-4		4		1441-A-4	3¾	
		Vulc-On G1	200		1540-A-4		5 ³ / 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	6½
	1¾	V-Groove	650		1VG40-A-5		8¾		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 ⁵ / ₈		1541-A-5	6¼	
		Vulc-On G2	640		1640-A-5		7 ⁵ / ₈		1641-A-5	6¼	
		Vulc-On G3	320		1740-A-5		7 ⁵ / ₈		1741-A-5	6¼	
	1½	Bonduthane	650		1840-A-5		6 ⁵ / ₈		1841-A-5	5¾	
		Bondrelene	500	940-A-5	1940-A-5		3 ⁵ / 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		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 1/16	12 3/4	41-A-6	141-A-6	8
		V-Groove	1000		1VG40-A-6		11 3/4		1VG41-A-6	
		Solid Rubber ST	400	3ST40-A-6	13ST40-A-6		10	3ST41-A-6	13ST41-A-6	
		Solid Rubber HT	560	3HT40-A-6	13HT40-A-6		10	3HT41-A-6	13HT41-A-6	
		Bondcelon	1200		1440-A-6		9 1/4		1441-A-6	
		Vulc-On G1	410		1540-A-6		11 3/4		1541-A-6	
		Vulc-On G2	820		1640-A-6		11 3/4		1641-A-6	
		Vulc-On G3	410		1740-A-6		11 3/4		1741-A-6	
		Bonduthane	1200		1840-A-6		13 1/4		1841-A-6	
		Bondrelene	650	940-A-6	1940-A-6		7 3/4	941-A-6	1941-A-6	
8	2	Semi-Steel	1200	40-A-8	140-A-8	7 1/16	17 1/2	41-A-8	141-A-8	10
		Bondcelon	1200		1440-A-8		11 1/2		1441-A-8	
		Vulc-On G1	500		1540-A-8		15 3/4		1541-A-8	
		Vulc-On G2	1000		1640-A-8		15 3/4		1641-A-8	
		Vulc-On G3	500		1740-A-8		15 3/4		1741-A-8	
		Bonduthane	1200		1840-A-8		16 1/2		1841-A-8	
10	2	Semi-Steel	1000		140-A-10	8 1/16	20		141-A-10	11 1/2
		Vulc-On G1	730		1540-A-10		21 1/4		1541-A-10	
		Vulc-On G2	1000		1640-A-10		21 1/4		1641-A-10	
		Vulc-On G3	730		1740-A-10		21 1/4		1741-A-10	

40-AW/41-AW—With 2 1/2 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 7/8	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 1/8	3/8

OPTIONAL FEATURES

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

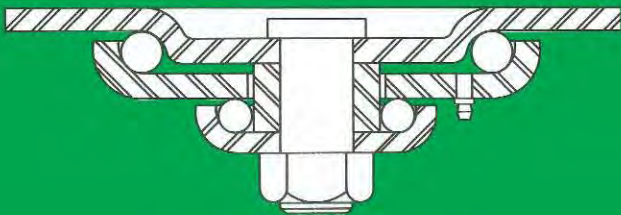
OPTIONAL TOP PLATES FOR 4 & 5" CASTERS

SIZE: 6 1/4 x 5, BOLT HOLE 5 1/4 x 3 3/8 to 4 1/2 x 4 1/8
6 1/2 x 4 1/2 SPACING 5 1/4 x 3 3/8 to 4 15/16 x 2 7/16

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.

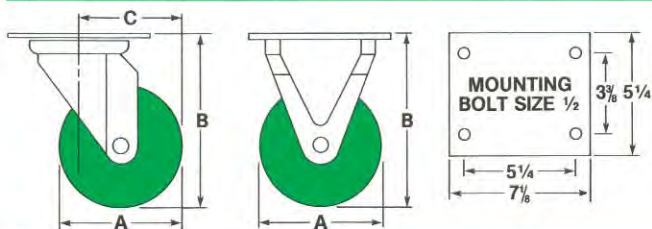
Wheel Bearings: All wheels are available with either straight or tapered roller bearings. Straight roller bearings consist of a split outer raceway with high quality hardened steel rollers held parallel to the axle by a steel retainer. A hardened and ground steel sleeve provides a precision inner raceway.

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
				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	1600	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
		Bondcelon	2000	1440-A-MH-10	T1440-A-MH-10		33 1/2	1441-A-MH-10	T1441-A-MH-10	27 3/4	
		Vulc-On G1	790	1540-A-MH-10	T1540-A-MH-10		19 3/4	1541-A-MH-10	T1541-A-MH-10	16	
		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	
		Bonduthane	2500	1840-A-MH-10	T1840-A-MH-10		30 3/4	1841-A-MH-10	T1841-A-MH-10	24 1/4	

40-AMHW/41-AMHW—With 3 inch tread width

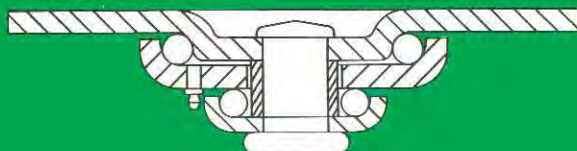
8	3	Semi-Steel	2500	140-A-MH-8W	T140-A-MH-8W	7 1/8	34	141-A-MH-8W	T141-A-MH-8W	28 1/4	10 1/2
		V-Groove	2500	1VG40-A-MH-8W	T1VG40-A-MH-8W		35 1/2	1VG41-A-MH-8W	T1VG41-A-MH-8W	34	
		Bondcelon	2500	1440-A-MH-8W	T1440-A-MH-8W		19 1/4	1441-A-MH-8W	T1441-A-MH-8W	15	
		Vulc-On G1	840	1540-A-MH-8W	T1540-A-MH-8W		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	1841-A-MH-8W	T1841-A-MH-8W	21 1/4	12 1/2
		V-Groove	2500	1VG40-A-MH-10W	T1VG40-A-MH-10W		38	141-A-MH-10W	T141-A-MH-10W	29 3/4	
		Bondcelon	2500	1440-A-MH-10W	T1440-A-MH-10W		43 1/2	1VG41-A-MH-10W	T1VG41-A-MH-10W	37 3/4	
		Vulc-On G1	1000	1540-A-MH-10W	T1540-A-MH-10W		21 1/4	1441-A-MH-10W	T1441-A-MH-10W	18 1/4	
		Vulc-On G2	2000	1640-A-MH-10W	T1640-A-MH-10W		33	1541-A-MH-10W	T1541-A-MH-10W	27 1/4	
		Vulc-On G3	1000	1740-A-MH-10W	T1740-A-MH-10W		33	1641-A-MH-10W	T1641-A-MH-10W	27 1/4	
		Bonduthane	2500	1840-A-MH-10W	T1840-A-MH-10W		33	1741-A-MH-10W	T1741-A-MH-10W	27 1/4	
							34	1841-A-MH-10W	T1841-A-MH-10W	28 1/4	

† Load rating is for manual operation

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.

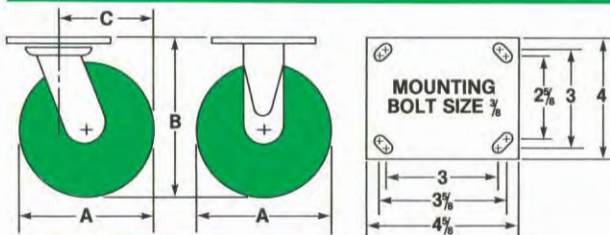
OPTIONAL FEATURES

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

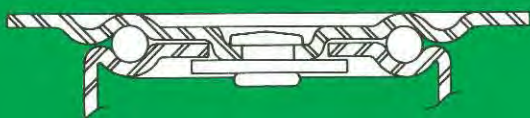
WHEEL SPECIFICATIONS			CASTER SPECIFICATIONS								
Diameter "A" Inches	Face Inches	Type	Caster Load Cap.† lbs.	SWIVEL CASTERS			MATCHING RIGID CASTERS				
				CASTER NUMBER		Swivel Radius "C" Inches	Approx. Weight lbs.	CASTER NUMBER		Approx. Weight lbs.	Overall Height "B" Inches
				Straight Roller Bearing				Straight Roller Bearing			
4	2	Semi-Steel	700	148-A-4		3 7/8	8 1/4	149-A-4		7	6 1/8
		V-Groove	700	1VG48-A-4			9 3/4	1VG49-A-4		8 1/2	
		Bondcelon	700	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 5/8	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.

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

LIGHT, LIGHT MEDIUM DUTY CASTERS

Maximum capacity
to 650 pounds per caster



OPTIONAL FEATURES

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

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.

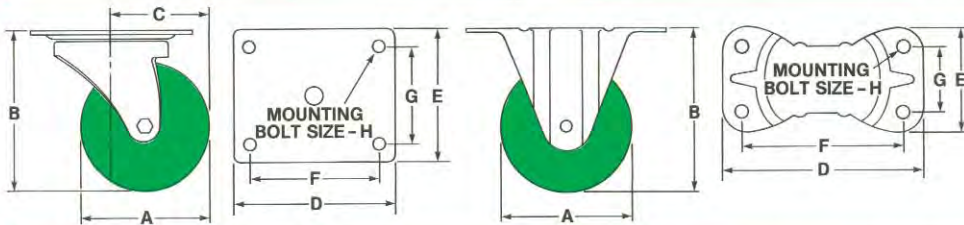
Lubrication: Swivel is lubricated at the factory. Pressure fitting is provided in wheel hub or in recessed head of hollow axle.

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.

TOP PLATE SIZES AND MOUNTING SPECIFICATIONS (INCHES)

SERIES 50-A SWIVEL				SERIES 51-A RIGID		
Wheel Dia.	Top Plate Size D x E	Bolt Hole Spacing F x G	Mounting Bolt Size H	Top Plate Size D x E	Bolt Hole Spacing F x G	Mounting Bolt Size H
2	2 ⁵ / ₈ x 1 ⁷ / ₈	2 ¹ / ₈ x 3 ¹ / ₃₂	1/4	2 ³ / ₄ x 1 ¹¹ / ₁₆	2 ¹ / ₈ x 1 ¹ / ₁₆	3/16
2 ¹ / ₂	3 ³ / ₄ x 2 ³ / ₄	3 x 1 ³ / ₄	5/16	4 ¹ / ₂ x 2 ¹ / ₄	3 ¹⁵ / ₃₂ x 1 ¹ / ₁₆	5/16
3	4 ¹ / ₄ x 3 ¹ / ₂	3 ⁷ / ₁₆ x 2 ³ / ₈	5/16	5 x 2 ¹ / ₂	4 x 1 ³ / ₁₆	5/16
4	5 x 4 ¹ / ₈	4 x 3	3/8	6 ³ / ₁₆ x 3 ³ / ₁₆	5 x 2	3/8
5 6	6 ¹ / ₂ x 5 ¹ / ₂	5 ¹ / ₄ x 3 ³ / ₈	7/16	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	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
				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	
	3/4	Bondrelene	100	950-A-2			1/2	951-A-2		3/8	
2 1/2	1	Semi-Steel	200	50-A-25	150-A-25	2 1/16	1 1/2	51-A-25	151-A-25	1 7/8	3 1/4
		Solid Rubber ST	110	3ST50-A-25			3/4	3ST51-A-25		5/8	
		Solid Rubber HT	175	3HT50-A-25			3/4	3HT51-A-25		5/8	
	1 1/8	Bondrelene	175	950-A-25			3/4	951-A-25		5/8	
3	1 1/4	Semi-Steel	300	50-A-3	150-A-3	2 7/16	2 3/4	51-A-3	151-A-3	2 1/4	3 3/4
		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	
	1 1/2	Bondcelon	300	450-A-3	1450-A-3		1 5/8	451-A-3	1451-A-3	1 1/8	
	1 1/4	Bondrelene	300	950-A-3			1 5/8	951-A-3		1 1/8	
4	1 1/2	Semi-Steel	450	50-A-4	150-A-4	3 1/16	5	51-A-4	151-A-4	4	5
		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 5/8	
		Vulc-On G2	400		1650-A-4		4 5/8		1651-A-4	3 5/8	
		Vulc-On G3	200		1750-A-4		4 5/8		1751-A-4	3 5/8	
Bondrelene	*450	950-A-4	1950-A-4	2 3/4	951-A-4	1951-A-4	1 3/4				
5	2	Semi-Steel	500	50-A-5	150-A-5	4 1/8	8 3/4	51-A-5	151-A-5	6 1/2	6 1/4
	1 3/4	V-Groove	500		1VG50-A-5		9 1/4		1VG51-A-5	7	
	2	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	
		Vulc-On G1	320		1550-A-5		9		1551-A-5	6 3/4	
		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				
6	2	Semi-Steel	650	50-A-6	150-A-6	4 3/4	10	51-A-6	151-A-6	7 3/4	7 1/4
		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	
		Bondcelon	650		1450-A-6		6 1/4		1451-A-6	4 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.

SERIES 80-A SWIVEL CASTER

SUPER DUTY CASTERS

Maximum capacity
to 6000 pounds per caster



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.

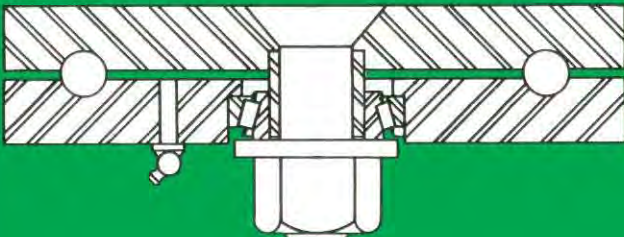
Lubrication: Readily accessible pressure fittings to swivel and in wheel hub.

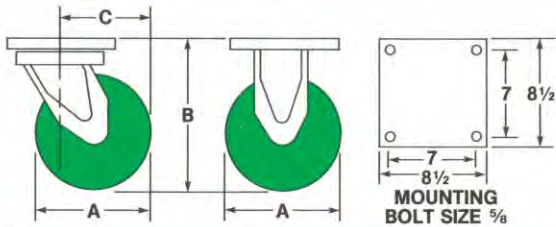
Finish: Durable corrosion resistant finish.

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.





SPECIFICATIONS

SERIES 80-A SWIVEL CASTER

WHEEL DESCRIPTION			CASTER SPECIFICATIONS									
Diameter "A" Inches	Face Inches	Type	SWIVEL CASTERS					Overall Height "B" Inches				
			Caster Load Cap.† lbs.	CASTER NUMBER*		Swivel Radius "C" Inches	Approx. Weight lbs.					
				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		68½					
		Bondcelon	2500	1480-A-8	T1480-A-8		53¼					
		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		75½					
		Bondcelon	3000	1480-A-10	T1480-A-10		53¾					
		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	91	15½
				Bondcelon	3500		1480-A-12		T1480-A-12		58¾	
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						
3½	Semi-Steel		6000	180-A-12-35	T180-A-12-35	8 ¹¹ / ₁₆	93					
	Bondcelon	4000	1480-A-12-35	T1480-A-12-35	63							
	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	8¾	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.

If you have a special need contact our Customer Service at

1-800-215-8220

*Bond*BY
Service Caster Corp.
9 First Avenue
West Reading, PA 19611
Toll Free: 1-800-215-8220