

REPAACEMENT PARTS - BEARINGS



Roller bearings offer the best compromise between capacity, rollability and value in a bearing. Constructed with a series of hardened steel rollers encased in a split metal sleeve cover. Our standard bearing type. Made in North America.



ROLLER BEARINGS

Model Number	ID	OD	Length	Retainer Washers			Thrust Washer
				Steel	Nylon	Double Nylon	
RB-12125	1/2"	1-1/16"	1-1/8"	RW-12116	NW-12116		TW-12
RB-58150	5/8"	1-3/16"	1-3/8"	RW-34136	NW-34136	DW-34136	TW-58
RB-34150	3/4"	1-3/16"	1-3/8"	RW-34136	NW-34136	DW-34136	TW-34
RB-34178	3/4"	1-3/16"	1-7/8"	RW-34136	NW-34136	DW-34136	TW-34
RB-58200	5/8"	1-3/16"	2"	RW-34136	NW-34136	DW-34136	TW-58
RB-34200	3/4"	1-3/16"	2"	RW-34136	NW-34136	DW-34136	TW-34
RB-10200	1"	1-7/16"	2"	RW-10176			TW-10
RB-10250	1"	1-15/16"	2-1/2"	RW-10115			TW-10
RB-14250	1-1/4"	1-15/16"	2-1/2"	RW-14115			TW-14
RB-10300	1"	1-15/16"	3"	RW-10115			TW-10
RB-14300	1-1/4"	1-15/16"	3"	RW-14115			TW-14
RB-14400	1-1/4"	2-7/16"	4"	RW-14276			TW-14
RB-15400	1-1/2"	2-7/16"	4"	RW-15276			TW-15
RB-14500	1-1/4"	2-7/16"	5"	RW-14276			TW-14
RB-15500	1-1/2"	2-7/16"	5"	RW-15276			TW-15



An improved version of our standard roller bearing featuring a solid outer sleeve for simplified installation and improved grease retention. Made in North America.



A fully stainless steel version of our standard roller bearing. Provides higher capacity and improved rollability over Delrin Bearings.

1-PIECE HEAVY DUTY ROLLER BEARINGS

Model Number	ID	OD	Length
HRB-58150	5/8"	1-3/16"	1-3/8"
HRB-34150	3/4"	1-3/16"	1-3/8"
HRB-34178	3/4"	1-3/16"	1-7/8"

STAINLESS STEEL ROLLER BEARINGS (ALL STAINLESS)

Model Number	ID	OD	Length
SSRB-34150	3/4"	1-3-16"	1-3/8"
SSRB-34200	3/4"	1-3-16"	2"
SSRB-10300	1"	1-15/16"	3"



A one-piece insert bearing constructed from Delrin material. Our standard bearing for use with stainless steel casters where a cam style brake is used.

ONE PIECE DELRIN BEARINGS

Model Number	ID	OD	Length
DB-12150	1/2"	1-3/16"	1-5/8"
DB-58150	5/8"	1-3/16"	1-5/8"
DB-34150	3/4"	1-3/16"	1-5/8"
DB-12200	1/2"	1-3/16"	2-1/8"
DB-58200	5/8"	1-3/16"	2-1/8"
DB-34200	3/4"	1-3/16"	2-1/8"
DB-10200	1"	1-7/16"	2"
DB-10250	1"	1-15/16"	2 @ 1-1/4"
DB-14250	1-1/4"	1-15/16"	2 @ 1-1/4"
DB-10300	1"	1-15/16"	2 @ 1-1/2"
DB-14300	1-1/4"	1-15/16"	2 @ 1-1/2"

SELECTING THE RIGHT BEARING

Finding the right caster for your application involves more than just picking the fork and wheel types. The bearing you select for your wheel has a great impact on the overall performance of your caster.

- For improved rollability select Flanged Ball Bearings, Precision Ball Bearings, or Tapered Roller Bearings.
- For increased capacity select Tapered Roller Bearings or Precision Ball Bearings.
- Wet conditions call for Delrin Bearings, Stainless Roller Bearings or Stainless Precision Ball Bearings.
- High Heat applications require either Flanged Brass Bearings or Hi-Lex Spanner Bushings.
- Precision Ball Bearings or Tapered Roller Bearings are required for Towline applications.

Remember, whatever bearing you choose, proper regular maintenance is required to keep it working!



Flanged roller bearings are a higher capacity alternative to flanged ball bearings such as those found on our pneumatic and semi-pneumatic wheels. Made in North America.



Flanged brass bearings are ideal for high-heat or corrosive environments or for wet applications where Delrin bearings are inappropriate. Made in North America.

FLANGED ROLLER BEARINGS			
Model Number	ID	OD	Length
RF-58138	5/8"	1-3/8"	1"
RF-34138	3/4"	1-3/8"	1"

FLANGED BRASS BEARINGS			
Model Number	ID	OD	Length
BF-34136	3/4"	1-3/16"	5/8"
BF-10115	1"	1-15/16"	1-3/8"



Delrin is a high-strength, wear resistant material with a low coefficient of friction. This combined with good chemical resistance and low moisture absorption make it ideal for use as a wheel bearing. This is our standard stainless bearing. One-piece Delrin bearings are required when a cam-style brake (BR) is used.



Flanged ball bearings provide improved rollability over standard roller bearings however load capacity is reduced.

FLANGED DELRIN BEARINGS			
Model Number	ID	OD	Length
DF-12118	1/2"	1-1/8"	1/2"
DF-12136	1/2"	1-3/16"	11/16"
DF-58136	5/8"	1-3/16"	11/16"
DF-34136	3/4"	1-3/16"	11/16"
DF-12138	1/2"	1-3/8"	5/8"
DF-58138	5/8"	1-3/8"	5/8"
DF-34138	3/4"	1-3/8"	5/8"

FLANGED BALL BEARINGS			
Model Number	ID	OD	Length
BB-38118	3/8"	1-1/8"	13/16"
BB-12136	1/2"	1-3/16"	7/16"
BB-12138	1/2"	1-3/8"	1/2"
BB-58138	5/8"	1-3/8"	1/2"
BB-34138	3/4"	1-3/8"	1/2"



Our fully sealed precision ball bearings (available in both steel and stainless steel) provide both greatly increased rollability and higher capacity over roller bearings. PBB's are ideal for towline applications.

PRECISION BALL BEARINGS			
Model Number	ID	OD	Seal Type
PBB-6203-2RS	17mm	40mm	Rubber
PBB-6204-2RS	20mm	47mm	Rubber
PBB-6205-2RS	25mm	52mm	Rubber

STAINLESS PRECISION BALL BEARINGS			
Model Number	ID	OD	Seal Type
SSPBB-6203-2RS	17mm	40mm	Rubber
SSPBB-6205-2RS	25mm	52mm	Rubber



Our precision machined Top Hat spacers are designed for use with precision ball bearings.

TOP HATS (SPACERS FOR PRECISION BALL BEARINGS)		
Model Number	ID	Typical Wheel Hub Length
TH-56	5/16"	1-5/8" (1-11/16" Leg Spacing)
TH-38	3/8"	1-5/8" (1-7/8" Leg Spacing)
TH-12	1/2"	2-3/16" (2-7/16" Leg Spacing)
TH-34S	3/4"	2-3/4" (3" Leg Spacing)
TH-34L	3/4"	3-1/4" (3-1/2" Leg Spacing)
TH-34XL	3/4"	2-3/4" (3-1/2" Leg Spacing)

TOP HATS (SPACERS FOR PRECISION BALL BEARINGS)		
Model Number	ID	Typical Wheel Hub Length
SSTH-38	3/8"	1-5/8" (1-7/8" Leg Spacing)
SSTH-12	1/2"	2-3/16" (2-7/16" Leg Spacing)
SSTH-34S	3/4"	2-3/4" (3" Leg Spacing)
SSTH-34L	3/4"	3-1/4" (3-1/2" Leg Spacing)
SSTH-34XL	3/4"	2-3/4" (3-1/2" Leg Spacing)

Tapered roller bearings offer both much higher load bearing capacity and improved rollability over standard roller bearings. They are suitable for towline applications.



Vulca seals are a rubberised version of our standard steel retainer washers and are used to provide a seal for our standard roller bearings.

TAPERED ROLLER BEARINGS

Model Number	ID	Typical Installation
TB-12	1/2"	Most 1-3/16" Bore Wheels
TB-34	3/4"	Most 1-15/16" Bore Wheels
TB-10	1"	Most 1-15/16" Bore Wheels
TB-14	1-1/4"	Most 2-7/16" Bore Wheels
TB(HD)-14	1-1/4"	Most 2-7/16" Bore Wheels
TB-15	1-1/2"	Most 2-7/16" Bore Wheels
TB-20	2"	Most 2-7/16" Bore Wheels

VULCA SEALS

Model Number	ID	OD	Thickness
VS-34136	3/4"	1-3/16"	3/32"
VS-58136	5/8"	1-3/16"	3/32"
VS-10115	1"	1-15/16"	1/8"
VS-14115	1-1/4"	1-15/16"	1/8"
VS-14276	1-1/4"	2-7/16"	1/8"
VS-15276	1-1/2"	2-7/16"	1/8"



Retainer washers are used to firmly hold roller bearings in place in the wheel. They are available in steel, nylon or stainless steel.



Head seals are soft gaskets used to seal the raceways on a caster to prevent infiltration of debris.

HEAD SEALS

Model Number	Series Used With
HS-BW	BW, RT, SSBW and SSRT Series
HS-HD	HD, LH, SSHD and SSLH Series
HS-LD	LD and SSLD Series
HS-LS	LE, LS, SSLE and SSLS Series

STEEL RETAINER WASHERS

Model Number	ID	OD
RW-12116	1/2"	1-1/16"
RW-34136	3/4"	1-3/16"
RW-10176	1"	1-7/16"
RW-10115	1"	1-15/16"
RW-14115	1-1/4"	1-15/16"
RW-14276	1-1/4"	2-7/16"
RW-15276	1-1/2"	2-7/16"

NYLON RETAINER WASHERS

Model Number	ID	OD
NW-12116	1/2"	1-1/16"
NW-34136	3/4"	1-3/16"

STAINLESS STEEL RETAINER WASHERS

Model Number	ID	OD
SSRW-34136	3/4"	1-3/16"
SSRW-10115	1"	1-15/16"

DOUBLE NYLON RETAINER WASHERS

Model Number	ID	OD
DW-34136	3/4"	1-3/16"

STEEL THRUST WASHERS

Model Number	ID
TW-12	1/2"
TW-58	5/8"
TW-34	3/4"
TW-10	1"
TW-14	1-1/4"
TW-15	1-1/2"

STAINLESS STEEL THRUST WASHERS

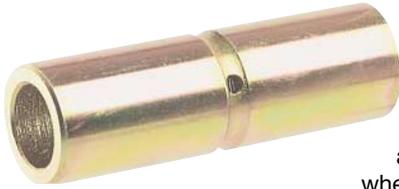
Model Number	ID
SSTW-12	1/2"
SSTW-34	3/4"
SSTW-10	1"

WASHERS AND TOP HATS - SELECTION AND INSTALLATION GUIDE

Different bearing types require different combinations of washers to ensure proper operation of the wheel. Here is a brief guide:

- Retainer Washers are used to "retain" or hold in place Roller Bearings (standard, 1-piece and stainless steel).
- Thrust Washers are used in conjunction with Retainer Washers to keep the Caster fork legs from compressing against the side of the wheel.
- Double Nylon Washers are a combination Retainer Washer and Thrust Washer together in one piece.
- Flanged bearings (Delrin, Flanged Brass, Flanged Roller and Flanged Ball) and Tapered Roller Bearings do not require washers to be installed.
- Casters using Cam Style Pedal Brakes (BR) must use separate Retainer and Thrust Washers (rather than Double Nylon Washers) to operate.
- Precision Ball Bearings require the use of Top Hat Spacers.

Spanner bushings are used to “span” the distance between the legs of the fork. The Spanner is locked in place allowing the bearing to turn freely. Precision machined and cross-drilled to allow for lubrication of the wheel bearing.



A fully stainless steel version of our standard steel spanner bushing.

STEEL SPANNER BUSHINGS

Model Number	ID	OD	Length
SB-5638112	5/16"	3/8"	1-1/2"
SB-5638196	5/16"	3/8"	1-9/16"
SB-5612196	5/16"	1/2"	1-9/16"
SB-5658111	5/16"	5/8"	1-11/16"
SB-56RM178	5/16"	12mm	1-7/8"
SB-3812196	3/8"	1/2"	1-9/16"
SB-3812178	3/8"	1/2"	1-7/8"
SB-3858111	3/8"	5/8"	1-11/16"
SB-3858178	3/8"	5/8"	1-7/8"
SB-1258178	1/2"	5/8"	1-7/8"
SB-1258276	1/2"	5/8"	2-7/16"
SB-1234178	1/2"	3/4"	1-7/8"
SB-1234276	1/2"	3/4"	2-7/16"
SB-1210300	1/2"	1"	3"
SB-1210312	1/2"	1"	3-1/2"
SB-5834178	5/8"	3/4"	1-7/8"
SB-5834276	5/8"	3/4"	2-7/16"
SB-5810300	5/8"	1"	3"
SB-5810312	5/8"	1"	3-1/2"
SB-3410300	3/4"	1"	3"
SB-3410312	3/4"	1"	3-1/2"
SB-1014312	1"	1-1/4"	3-1/2"
SB-1014412	1"	1-1/4"	4-1/2"
SB-1415312	1-1/4"	1-1/2"	3-1/2"
SB-1415412	1-1/4"	1-1/2"	4-1/2"

CUSTOM COMPONENTS

Bestway has it's own in-house machine shop where we can quickly manufacture any custom replacement part or component you may require.

If you require a component that is not listed on these pages, give us the specifications and we can make it for you. As with all of our custom specials, we offer speedy delivery and unbeatable pricing. There is no minimum order quantity required.

Here's just a sample of the custom products we can produce for you:

- Axle Kits (Plain and Grease)
- Spanner Bushings
- Top Hat Spacers for PBB's
- Flanged Metal Bearings

We can machine your product in the material of your choice (Steel, Stainless Steel, Brass, Bronze, Delrin).

We can also source non-standard bearing types and sizes to suit your specific application needs.

STAINLESS STEEL SPANNER BUSHINGS

Model Number	ID	OD	Length
SSB-5612M111	5/16"	12mm	1-11/16"
SSB-5612196	5/16"	1/2"	1-9/16"
SSB-5658111	5/16"	5/8"	1-11/16"
SSB-5634111	5/16"	3/4"	1-11/16"
SSB-5612M178	5/16"	12mm	1-7/8"
SSB-3812196	3/8"	1/2"	1-9/16"
SSB-3815M178	3/8"	15mm	1-7/8"
SSB-3858111	3/8"	5/8"	1-11/16"
SSB-3858178	3/8"	5/8"	1-7/8"
SSB-3834111	3/8"	3/4"	1-11/16"
SSB-3834178	3/8"	3/4"	1-7/8"
SSB-1234178	1/2"	3/4"	1-7/8"
SSB-1234276	1/2"	3/4"	2-7/16"
SSB-3410300	3/4"	1"	3"
SSB-3410312	3/4"	1"	3-1/2"

These spanners are made from high-strength Delrin material and are a lower cost alternative to stainless steel spanner bushings.

DELRIN SPANNER BUSHINGS

Model Number	ID	OD	Length
DSB-5612196	5/16"	1/2"	1-9/16"
DSB-3812158	3/8"	1/2"	1-5/8"
DSB-1234178	1/2"	3/4"	1-7/8"
DSB-1234276	1/2"	3/4"	2-7/16"

These special spanner bushings are designed to allow wheels to turn through the expansion and contraction often experienced in high-heat applications that cause other bearings to squeak and bind. They are intended for use with our special High-Temp Monolithic Wheels (HTM Series).

HI-LEX SPANNER BUSHINGS

Model Number	ID	OD	Length
HL-56	5/16"	12mm	1-5/8"
HL-38	3/8"	15mm	1-7/8"

REPLACEMENT PARTS - AXLE KITS



Grease axles are hollow axles that are fitted with a grease nipple to allow periodic lubrication of the wheel bearing.



Plain axles (without grease fittings) are used with spanners and bearings that do not require lubrication.

GREASE AXLE KITS

Model Number	Diam.	Length
GAK-56214	5/16"	2-1/4"
GAK-56212	5/16"	2-1/2"
GAK-38214	3/8"	2-1/4"
GAK-38212	3/8"	2-1/2"
GAK-38300	3/8"	3"
GAK-12300	1/2"	3"
GAK-12312	1/2"	3-1/2"
GAK-12400	1/2"	4"
GAK-12412	1/2"	4-1/2"
GAK-12500	1/2"	5"
GAK-12512	1/2"	5-1/2"
GAK-12612	1/2"	6-1/2"
GAK-34412	3/4"	4-1/2"
GAK-34500	3/4"	5"
GAK-34512	3/4"	5-1/2"
GAK-34900	3/4"	9"
GAK-10512	1"	5-1/2"
GAK-14612	1-1/4"	6-1/2"
GAK-14700	1-1/4"	7"
GAK-14130	1-1/4"	13"

PLAIN AXLE KITS

Model Number	Diam.	Length
AK-25112	1/4"	1-1/2"
AK-25134	1/4"	1-3/4"
AK-25200	1/4"	2"
AK-56200	5/16"	2"
AK-56214	5/16"	2-1/4"
AK-56212	5/16"	2-1/2"
AK-38214	3/8"	2-1/4"
AK-38212	3/8"	2-1/2"
AK-38300	3/8"	3"
AK-12300	1/2"	3"
AK-12312	1/2"	3-1/2"
AK-12400	1/2"	4"
AK-12412	1/2"	4-1/2"
AK-12500	1/2"	5"
AK-12512	1/2"	5-1/2"
AK-12612	1/2"	6-1/2"
AK-34412	3/4"	4-1/2"
AK-34500	3/4"	5"
AK-34512	3/4"	5-1/2"
AK-34900	3/4"	9"
AK-10512	1"	5-1/2"
AK-14612	1-1/4"	6-1/2"
AK-14700	1-1/4"	7"
AK-14912	1-1/4"	9-1/2"
AK-14130	1-1/4"	13"

A fully stainless steel version of our standard plain axles.

STAINLESS STEEL PLAIN AXLE

Model Number	Diam.	Length
SSAK-56214	5/16"	2-1/4"
SSAK-38212	3/8"	2-1/2"
SSAK-12300	1/2"	3"
SSAK-12312	1/2"	3-1/2"
SSAK-34412	3/4"	4-1/2"
SSAK-34500	3/4"	5"



A fully stainless steel version of our standard grease axles.

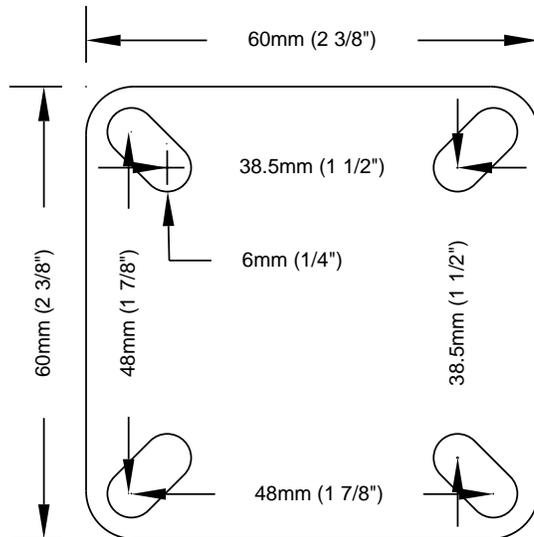
STAINLESS STEEL GREASE AXLE

Model Number	Diam.	Length
SSGAK-56214	5/16"	2-1/4"
SSGAK-38212	3/8"	2-1/2"
SSGAK-12300	1/2"	3"
SSGAK-12312	1/2"	3-1/2"
SSGAK-34412	3/4"	4-1/2"
SSGAK-34500	3/4"	5"

CHOOSING THE RIGHT AXLE KIT

There are several things to consider when selecting an Axle kit.

- The Diameter of the Axle is determined by the Axle hole size of the caster being used.
- The Length of the Axle is determined by the fork leg spacing of the caster used. On some light duty casters a slightly longer axle may be required if a Side Pedal Brake is installed.
- Stainless Steel material should be used with all Stainless Steel casters regardless of bearing type or material.
- Plain Axles should be used where there is no requirement to lubricate the wheel bearing (i.e. Plain Bore, Flanged Ball Bearings, Flanged Roller Bearings and Precision Ball Bearings).
- Grease Axles are used where periodic lubrication of the wheel bearing is required (i.e. Roller Bearings, Delrin Bearings, 1-Piece Heavy Duty Roller Bearings, Stainless Steel Roller Bearings and Tapered Roller Bearings).



**AL-50-FTP
TWAL-50-FTP &
TWAL-75-FTP
TOP PLATE**

