



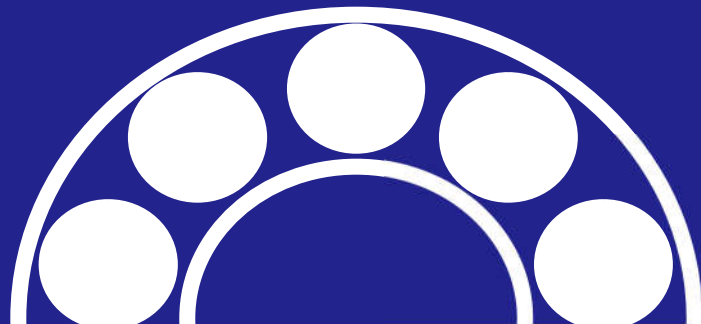
THE
FREEWAY
BEARING
CORPORATION

The Best Bearings, Don't Accept Any Imitations.



PRODUCT CATALOG No. 17

***SEMI-PRECISION
BALL BEARING
ASSEMBLIES***



www.freewaybearings.com

PROBLEM SOLVERS IN MOTION

THOUSANDS OF PRODUCTS ROLL ON FREEWAY BEARINGS. IT'S A WORLD ON WHEELS AND FREEWAY HELPS TO KEEP IT TURNING SMOOTHLY WITH OUR COMMERCIAL GRADE, SEMI-PRECISION BALL BEARINGS.

Industries Served

- Garage Door Bearings
- Glider Furniture Bearings
- Wheelchair Bearings
- Outdoor Power Equipment Bearings
- Air Damper and Louver Bearings
- Rolling Door and Conveyor Bearings



Our Bearings

Freeway Bearings are a vital component in a wide variety of wheeled goods, such as wheelchairs, carts, outdoor power equipment and garage doors, as well as other equipment such as air dampers and louvers and even glider furniture where low to medium loads and speeds are encountered. We engineer a variety of flanged as well as semi-precision ball bearing assemblies. Freeway Bearings are proudly engineered in the United States of America.

Our Headquarters

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Email: bearings@freewaybearings.com

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**800-387-3854
Email: bearings@freewaybearings.com**

OUR COMMITMENT

Our Commitment to Innovation

Consistently looking for a better way to better results has led to many of Freeway Bearing advancements, such as the ASF bearing series. It began with a search for a better ball track and an economical way to assemble a unitized bearing with a full complement of balls, and it now has become an industry standard, utilized world wide. However, Freeway does not rest on past accomplishments. An on-going R & D program involves the running of bearings under load on Freeway designed test stands, as well as constantly evaluating new manufacturing technologies, new warehousing techniques as well as new geometry and new materials.



Our Commitment to Quality

Methods of quality control have taken on new names and dictate strict procedures. What hasn't changed is the leadership and support Freeway provides for its employees that has always kept Freeway's quality high. Freeway is committed to the education of its employees that is required to consistently support high quality products.



Our Commitment to You

Customer service begins with customer awareness by every Freeway employee. A good understanding of your business, your products and its purpose, as well as the performance that is expected from the bearings is what Freeway ultimately strives for.

Freeway Bearings has built its reputation by engineering the highest quality products at the lowest possible price. With that in mind, Freeway always reminds their customers of one simple message: **Freeway makes the best bearings, don't accept any imitations.**



ASF SERIES BEARINGS

ASF Series Ball Bearing Assembly

Designed for medium radial, thrust and combination loads, ASF Bearings will sustain a thrust load in either direction of up to 50% of their radial load. The sum of the thrust and radial loads should not exceed the radial load rating of the bearing.

The outer race is a one piece cold-rolled, cam-formed, split ring which has been held to close tolerances. The ball groove is rolled to a perfect radius with a smooth finish. The inner race is machined from steel bar stock with a burnished ball groove. Special bore diameters and square and hex bores are available. Both races are hardened for maximum service life and the inner race is zinc-plated for corrosion protection. A full complement of heat treated and ground, low-carbon steel balls assures smooth operation, maximum load rating and long service life.

Races and balls are assembled in a press-formed, flanged retained cup which is packed with an all-purpose grease suitable for operating temperature up to 500°F (243°C). All components are unitized by forming the cup over a retaining washer which forms a labyrinth shield to minimize entry of contaminants.

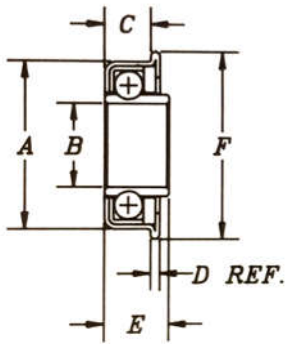
New Precision Flanged Bearings

Ask for ASF - PR Bearings



ASF SERIES BEARINGS

ASF Series Bearing Size Chart



A– Outer Diameter (w/o Flange)

B– Inner Diameter (Bore)

C– Outer Diameter Width

D– Flange Thickness

E– Overall Width

F–Outer Diameter (With Flange)

Part	A	B*	C	D	E	F	Radial Load Rating (LBS.) at			
							50 RPM	100 RPM	600 RPM	1200 RPM
ASF-175-1	.906-.911	.251-.255	1/4	1/16	3/8	1-1/32	180	110	60	40
ASF-175-2	.906-.911	.313-.317	1/4	1/16	3/8	1-1/32	180	110	60	40
ASF-175-3	.906-.911	.376-.380	1/4	1/16	3/8	1-1/32	180	110	60	40
ASF-175-4	.906-.911	.438-.442	1/4	1/16	3/8	1-1/32	180	110	60	40
ASF-132-4	1.125-1.130	.251-.255	5/16	5/64	7/16	1-1/4	215	150	100	60
ASF-132-5	1.125-1.130	.313-.317	5/16	5/64	7/16	1-1/4	215	150	100	60
ASF-132-1	1.125-1.130	.376-.380	5/16	5/64	7/16	1-1/4	215	150	100	60
ASF-132-1A	1.125-1.130	.378-.382 HEX	5/16	5/64	7/16	1-1/4	215	150	100	60
ASF-132-2	1.125-1.130	.438-.442	5/16	5/64	7/16	1-1/4	215	150	100	60
ASF-132-1B	1.125-1.130	.500-.504	5/16	5/64	7/16	1-1/4	215	150	100	60
ASF-107-2	1.375-1.380	.438-.442	5/16	5/64	7/16	1-1/4	390	270	180	108
ASF-107-1B	1.375-1.380	.444-.448 HEX	5/16	5/64	7/16	1-1/2	390	270	180	108
ASF-107-3	1.375-1.380	.500-.504	5/16	5/64	7/16	1-1/2	390	270	180	108
ASF-107-4	1.375-1.380	.563-.567	5/16	5/64	7/16	1-1/2	390	270	180	108
ASF-107-5	1.375-1.380	.625-.629	5/16	5/64	7/16	1-1/2	390	270	180	108
ASF-107-6	1.375-1.380	.750-.754	5/16	5/64	7/16	1-1/2	390	270	180	108
ASFO-108-2	1.380-1.385	.438-.442	5/16	5/64	7/16	1-1/2	390	270	180	108
ASFO-108-3	1.380-1.385	.500-.504	5/16	5/64	7/16	1-1/2	390	270	180	108
ASFO-108-4	1.380-1.385	.563-.567	5/16	5/64	7/16	1-1/2	390	270	180	108
ASFO-108-5	1.380-1.385	.625-.629	5/16	5/64	7/16	1-1/2	390	270	180	108
ASFO-108-6	1.380-1.385	.750-.754	5/16	5/64	7/16	1-1/2	390	270	180	108
ASF-169-1B	1.750-1.755	.440-.444 HEX	15/32	5/64	11/16	1-7/8	680	480	260	170
ASF-169-3A	1.750-1.755	.750-.755	15/32	5/64	39/64	1-7/8	680	480	260	170
ASF-169-1	1.750-1.755	.750-.755	15/32	5/64	29/32	1-7/8	680	480	260	170
ASF-100-4	2.001-2.005	.750-.754	7/16	5/64	9/16	2-1/8	785	525	350	210
ASF-100-1	2.001-2.005	1.001-1.005	7/16	5/64	5/8	2-1/8	785	525	350	210
ASF-100-2	2.001-2.005	1.012-1.015	7/16	5/64	5/8	2-1/8	785	525	350	210
ASF-152-4	2.500-2.506	1.000-1.005	17/32	1/8	29/32	2-11/16	900	710	475	280
ASF-152-3	2.500-2.506	1.125-1.130	17/32	1/8	29/32	2-11/16	900	710	475	280

*Bore size & inner race length can be manufactured to meet special requirements

PA SERIES BEARINGS

PA Series Ball Bearing Assembly

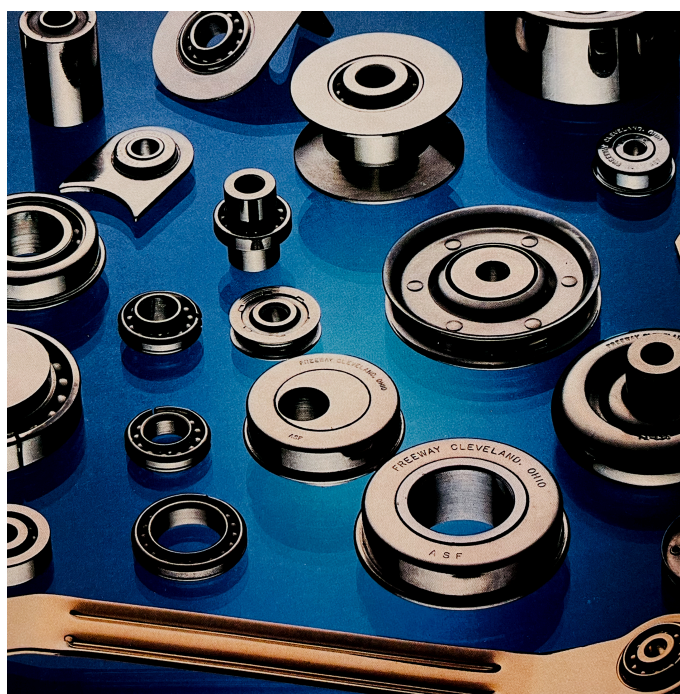
Used primarily for light radial loads and low RPM's , PA Series bearings have proved to be extremely reliable and economical for installation into extruded, bored or cast housings.

The outer race is a press-formed cup. The inner race is machined from steel bar stock with a burnished ball groove. Special bore diameters and square and hex bores are available. Both races are hardened for maximum service life and zinc-plated for corrosion protection, A full complement of heat treated and ground, low-carbon steel balls assures smooth operation, maximum load rating and long service life.

Races and balls are assembled in a press-formed, flanged retained cup which is packed with an all-purpose grease suitable for operating temperature up to 500°F (243°C). All components are unitized by forming the cup over a retaining washer.

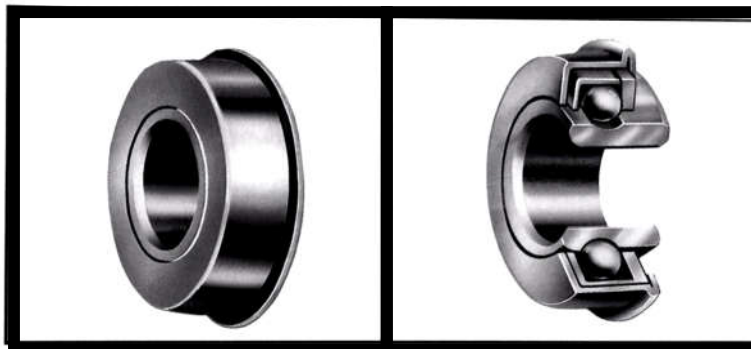
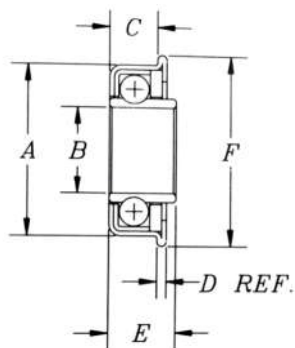
Bearing Modifications

The inner race may be extended in either direction and provided with set screw holes or other provisions for mounting. Special bore diameters and hex or square bores are also available



PA SERIES BEARINGS

PA Series Bearing Size Chart



A- Outer Diameter (w/o Flange)

B- Inner Diameter (Bore)

C- Outer Diameter Width

D- Flange Thickness

E- Overall Width

F-Outer Diameter (With Flange)

Part	A	B*	C	D	E	F	Radial Load Rating (LBS.) at				
							50 RPM	100 RPM	300 RPM	600 RPM	1000 RPM
PA-715-2	.906-.911	.251-.255	1/4	1/16	3/8	1- 1/32	75	54	40	30	23
PA-715-3	.906-.911	.313-.317	1/4	1/16	3/8	1- 1/32	75	54	40	30	23
PA-715-1	.906-.911	.376-.380	1/4	1/16	3/8	1- 1/32	75	54	40	30	23
PA-883-2	.906-.911	.439-.444	1/4	1/16	3/8	1- 1/32	65	45	35	25	20
PA-883-1	.906-.911	.501-.505	1/4	1/16	3/8	1- 1/32	65	45	35	25	20
PA-641-11	1.125- 1.130	.313-.317	5/16	5/64	7/16	1- 1/4	108	77	55	43	35
PA-641-3	1.125- 1.130	.375-.380	5/16	5/64	7/16	1- 1/4	108	77	55	43	35
PA-641-2	1.125- 1.130	.439-.443	5/16	5/64	7/16	1- 1/4	108	77	55	43	35
PA-641-4	1.125- 1.130	.501-.503	5/16	5/64	7/16	1- 1/4	108	77	55	43	35
PA-641-8	1.125-1.130	.564-.568	5/16	5/64	7/16	1- 1/4	108	77	55	43	35
PA-652-4	1.375- 1.380	.376-.380	3/8	5/64	33/64	1- 1/2	145	105	75	58	45
PA-652-3	1.375- 1.380	.439-.443	3/8	5/64	33/64	1- 1/2	145	105	75	58	45
PA-652-2	1.375- 1.380	.501-.503	3/8	5/64	33/64	1- 1/2	145	105	75	58	45
PA-652-1	1.375- 1.380	.626-.630	3/8	5/64	33/64	1- 1/2	145	105	75	58	45
PA-782-3	1.380- 1.385	.439-.443	3/8	5/64	1/2	1- 1/2	145	105	75	58	45
PA-782-4	1.380- 1.385	.501-.505	3/8	5/64	1/2	1- 1/2	145	105	75	58	45
PA-782-1	1.380- 1.385	.626-.630	3/8	5/64	1/2	1- 1/2	145	105	75	58	45
PA-820-1	1.500- 1.505	.376-.380	13/32	7/64	9/16	1- 5/8	180	130	95	72	56
PA-820-2	1.500- 1.505	.439-.443	13/32	7/64	9/16	1- 5/8	180	130	95	72	56
PA-820-3	1.500- 1.505	.501-.505	13/32	7/64	9/16	1- 5/8	180	130	95	72	56
PA-820-4	1.500- 1.505	.626-.630	13/32	7/64	9/16	1- 5/8	180	130	95	72	56

*Bore size & inner race length can be manufactured to meet special requirements

Value Added Bearing Assembly

As your single source for multiple capabilities, Freeway can help further reduce your costs and speed up your assembly with Freeway Bearing Assemblies.

Glider Bearing Brackets

Ask for information on PB 1473-1 and PB 1544-1



Freezer Door Bearings

Ask for information on PA 830 Series



Door Roller Bearings





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