



AEY.™

AEY BEARINGS

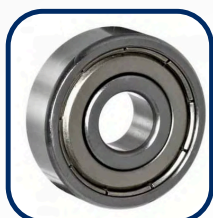
Precision, Performance, Perfection



WHY CHOOSE AEY ?

- Uncompromising Quality
- Advanced Technology
- Sustainable Practices
- Durability and Longevity
- Comprehensive Range
- Cost-Effective Solutions
- Global Standards Compliance
- Exceptional Customer Support

High-performance bearings designed to meet the diverse needs of various industries. Our commitment to quality and affordability ensures you receive the best products at the best prices.



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ABOUT US

About Us

AEY Bearings is a leading provider of high-quality bearings designed to meet the diverse needs of various industrial and household applications. Our products are renowned for their reliability, performance, and innovative design, making us a trusted partner in the global bearings market. We pride ourselves on delivering excellence through our extensive range of bearings, ensuring optimal functionality and longevity for all your mechanical needs.

Core Values and Philosophy



Quality

We prioritize the highest standards of quality in our products and services.



Customer Focus

We are dedicated to understanding and meeting the unique needs of our customers.



Integrity

We conduct our business with honesty, transparency, and ethical practices.



Sustainability

We are committed to environmentally responsible practices and sustainable growth.

Our Mission

Our mission at AEY Bearings is to provide innovative and reliable bearing solutions that enhance the performance and durability of mechanical systems across various industries. We strive to exceed customer expectations by delivering superior quality products, exceptional service, and continuous innovation.

Our Vision

Our vision is to be a global leader in the bearings industry, known for our commitment to quality, innovation, and sustainability. We aim to set new standards of excellence and drive positive change in the industry through our advanced products and responsible business practices.

PRODUCT OVERVIEW

Introduction to AEY Bearing Products

AEY Bearings offers an extensive range of high-quality bearings designed to cater to various industrial and household applications. Our product lineup includes ball bearings, roller bearings, thrust bearings, needle bearings, and more, each engineered for optimal performance and durability.

Key Features and Benefits



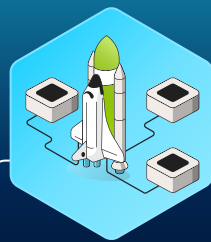
Superior Quality

Manufactured with precision to meet stringent quality standards.



Innovative Design

Incorporates the latest advancements in bearing technology for enhanced efficiency.



Low Maintenance

Designed for minimal maintenance requirements, reducing downtime and costs.



Versatile Applications

Suitable for a wide range of mechanical systems and industries.



High Durability

Engineered for long-lasting performance under diverse operating conditions.

Bearing used in Common Application

01 6000 SERIES BALL BEARINGS

Applications:

Electric motors, fans, pumps, office equipment, household appliances

Popular Models:

- 6000, 6001, 6002, 6003, 6004



BEARING TYPES AND APPLICATIONS

02 6200 SERIES

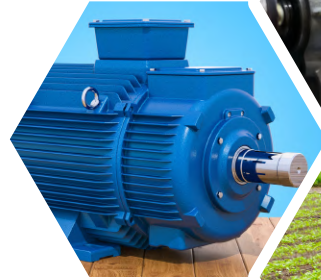


Applications:

Automotive, industrial gearboxes, conveyors, agricultural machinery

Popular Models:

- 6200, 6201, 6202, 6203, 6204, 6205



03 6300 BEARINGS



Applications:

Heavy machinery, mining equipment, compressors, construction tools

Popular Models:

- 6300, 6301, 6302, 6303, 6304, 6305

04 Miniature Bearings



Applications:

Drones, robotics, medical devices, precision instruments

Popular Models:

- 607, 608, 609, 627, 628, 629



BEARING GUIDE

COMMON BEARING ABBREVIATIONS AND DESIGNATIONS

This table includes the common designations used in the bearing industry. It explains the different sealing and clearance options available, providing a clear understanding of what each designation means. This will help customers make informed decisions when selecting the right bearing for their applications.

Type	Abbreviation	Description
Open	-	Standard open type with no seals or shields.
Sealed	2RS	Sealed on both sides with rubber seals.
	RS	Single rubber seal on one side.
	2RS1	Sealed on both sides with single rubber seals.
	2RS2	Sealed on both sides with double rubber seals.
Shielded	ZZ	Shielded on both sides.
	2ZZ	Double shielded for extra protection.
	Z	Shielded on one side.
	ZZN	Extra precision shielded bearing.
Precision	P6	High precision P6 tolerance.
	P5	Higher precision P5 tolerance.
Noise/Vibration	V1, V2, V3	Vibration and noise levels with V3 being the highest quality.
Clearance	C2	Light radial clearance.
	C3	Increased radial clearance.
	C4	Greater than C3 clearance, for high temperature or high-speed applications.
Speed	LLV	High-speed capability with low friction.
	2XZ	Enhanced double shielded.
Special	SPL	Special design customized for specific applications.
	NR	With snap ring groove.
	LLU NR	Double sealed with snap ring.

BEARING GUIDE

BEARING TYPES AND SPECIFIC ABBREVIATIONS

Bearing Type	Abbreviation	Description
Deep Groove Ball Bearings	6000 Series	Common series of deep groove ball bearings.
Tapered Roller Bearings	30200 Series	Series of tapered roller bearings.
	30300 Series	Another series of tapered roller bearings.
Spherical Roller Bearings	22200 Series	Series of spherical roller bearings.
Cylindrical Roller Bearings	NU1000 Series	Series of cylindrical roller bearings.
Needle Roller Bearings	NK Series	Series of needle roller bearings.
Angular Contact Ball Bearings	7200 Series	Series of angular contact ball bearings.
Thrust Ball Bearings	51100 Series	Series of thrust ball bearings.
Self-Aligning Ball Bearings	1200 Series	Series of self-aligning ball bearings.
Thin Section Ball Bearings	6800 Series	Series of thin section ball bearings.
Linear Motion Bearings	LM Series	Series of linear motion bearings.

EXAMPLE DESIGNATIONS

Designation	Explanation
6204-2RS	6204 bearing with seals on both sides.
30206	Tapered roller bearing from the 30200 series.
NU2205	Cylindrical roller bearing from the NU2200 series.
NK20/16	Needle roller bearing with a 20mm bore and 16mm width.
7205B	Angular contact ball bearing from the 7200 series with a contact angle of 40 degrees.
51105	Thrust ball bearing from the 51100 series.
1205	Self-aligning ball bearing from the 1200 series.
6810	Thin section ball bearing from the 6800 series.
LM20UU	Linear motion bearing with a 20mm bore and rubber seals (UU).

FOR DEEP GROOVE BALL BEARINGS

6000 SERIES

Model	Bore Diameter (mm)	Outer Diameter (mm)	Width (mm)	Dynamic Load Rating (kN)	Static Load Rating (kN)	Limiting Speed (rpm)
6000	10	26	8	5.10	2.39	35,000
6001	12	28	8	5.65	2.79	32,000
6002	15	32	9	7.28	3.50	29,000
6003	17	35	10	7.92	3.85	27,000
6004	20	42	12	11.2	5.25	24,000
6005	25	47	12	12.7	6.10	21,000
6006	30	55	13	14.8	7.40	19,000
6007	35	62	14	19.0	9.90	17,000
6008	40	68	15	22.5	11.5	15,000
6009	45	75	16	27.5	14.0	14,000
6010	50	80	16	29.0	15.3	13,000
6011	55	90	18	37.2	19.3	11,000
6012	60	95	18	39.0	21.0	10,000
6013	65	100	18	41.0	22.5	9,500
6014	70	110	20	51.5	28.0	8,500
6015	75	115	20	53.5	30.0	8,000
6016	80	125	22	62.0	35.0	7,500
6017	85	130	22	64.0	36.5	7,000
6018	90	140	24	76.0	44.5	6,500
6019	95	145	24	79.0	47.0	6,000
6020	100	150	24	82.0	49.0	5,500

NOTES:

- **Dynamic Load Rating (kN):** The maximum load a bearing can withstand while rotating without experiencing significant deformation.
- **Static Load Rating (kN):** The maximum load a bearing can withstand when stationary.
- **Limiting Speed (rpm):** The maximum speed at which the bearing can operate without excessive heat buildup or wear.

6200 SERIES

FOR DEEP GROOVE BALL BEARINGS

Model	Bore Diameter (mm)	Outer Diameter (mm)	Width (mm)	Dynamic Load Rating (kN)	Static Load Rating (kN)	Limiting Speed (rpm)
6200	10	30	9	6.00	2.75	32,000
6201	12	32	10	7.28	3.15	30,000
6202	15	35	11	8.15	3.75	28,000
6203	17	40	12	9.95	4.60	24,000
6204	20	47	14	13.4	6.55	21,000
6205	25	52	15	15.1	7.80	19,000
6206	30	62	16	19.5	10.5	17,000
6207	35	72	17	23.2	12.5	15,000
6208	40	80	18	27.2	14.8	13,000
6209	45	85	19	30.7	16.8	12,000
6210	50	90	20	34.5	19.0	11,000
6211	55	100	21	41.0	22.5	10,000
6212	60	110	22	48.0	26.5	9,000
6213	65	120	23	56.0	31.5	8,000
6214	70	125	24	60.5	34.0	7,500
6215	75	130	25	65.0	37.0	7,000
6216	80	140	26	73.5	42.0	6,500
6217	85	150	28	82.5	47.5	6,000
6218	90	160	30	93.5	54.0	5,500
6219	95	170	32	103	60.0	5,000
6220	100	180	34	113	66.0	4,500

NOTES:

- **Dynamic Load Rating (kN):** The maximum load a bearing can withstand while rotating without experiencing significant deformation.
- **Static Load Rating (kN):** The maximum load a bearing can withstand when stationary.
- **Limiting Speed (rpm):** The maximum speed at which the bearing can operate without excessive heat buildup or wear.

6300 SERIES

FOR DEEP GROOVE BALL BEARINGS

Model	Bore Diameter (mm)	Outer Diameter (mm)	Width (mm)	Dynamic Load Rating (kN)	Static Load Rating (kN)	Limiting Speed (rpm)
6300	10	35	11	9.55	4.40	25,000
6301	12	37	12	10.4	5.00	22,000
6302	15	42	13	12.8	6.30	19,000
6303	17	47	14	15.3	7.75	17,000
6304	20	52	15	19.5	10.0	15,000
6305	25	62	17	25.7	13.5	13,000
6306	30	72	19	32.7	17.5	11,000
6307	35	80	21	40.3	21.5	10,000
6308	40	90	23	48.9	26.0	8,700
6309	45	100	25	58.7	31.0	7,900
6310	50	110	27	68.4	36.5	7,200
6311	55	120	29	79.5	42.5	6,500
6312	60	130	31	91.4	49.0	6,000
6313	65	140	33	103	55.5	5,500
6314	70	150	35	116	62.5	5,000
6315	75	160	37	129	70.0	4,700
6316	80	170	39	143	77.5	4,300
6317	85	180	41	158	85.5	4,000
6318	90	190	43	173	94.0	3,800
6319	95	200	45	189	103	3,600
6320	100	215	47	206	113	3,400

NOTES:

- **Dynamic Load Rating (kN):** The maximum load a bearing can withstand while rotating without experiencing significant deformation.
- **Static Load Rating (kN):** The maximum load a bearing can withstand when stationary.
- **Limiting Speed (rpm):** The maximum speed at which the bearing can operate without excessive heat buildup or wear.

MINIATURE SERIES

FOR DEEP GROOVE BALL BEARINGS

Model	Bore Diameter (mm)	Outer Diameter (mm)	Width (mm)	Dynamic Load Rating (kN)	Static Load Rating (kN)	Limiting Speed (rpm)
607	7	19	6	3.35	1.39	40,000
608	8	22	7	3.68	1.55	38,000
609	9	24	7	4.10	1.85	36,000
627	7	22	7	4.10	1.85	38,000
628	8	24	8	4.50	2.05	36,000
629	9	26	8	5.00	2.40	34,000

NOTES:

- **Dynamic Load Rating (kN):** The maximum load a bearing can withstand while rotating without experiencing significant deformation.
- **Static Load Rating (kN):** The maximum load a bearing can withstand when stationary.
- **Limiting Speed (rpm):** The maximum speed at which the bearing can operate without excessive heat buildup or wear.

CONTACT US

Thank
you!

Thank you for your interest in our products and services. Please feel free to get in touch with us using the contact information provided below. We look forward to hearing from you and assisting with your inquiries.

CONTACT INFORMATION:

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