

Inch Series Ball Bearings

These ball bearings are manufactured to Inch series specifications. They feature detailed specifications including dimensions, load ratings, and speed limits.

Code	Inner Dia (mm)	Outer Dia (mm)	Width (mm)	Dynamic Load (kN)	Static Load (kN)	Speed (r/min)
604	4	12	4	0.97	0.36	4000
605	5	14	5	1.10	0.40	4000
606	6	16	6	1.25	0.45	4000
607	7	18	7	1.40	0.50	4000
608	8	20	8	1.55	0.55	4000
609	9	22	9	1.70	0.60	4000
6010	10	24	10	1.85	0.65	4000
6011	11	26	11	2.00	0.70	4000
6012	12	28	12	2.15	0.75	4000
6013	13	30	13	2.30	0.80	4000
6014	14	32	14	2.45	0.85	4000
6015	15	34	15	2.60	0.90	4000
6016	16	36	16	2.75	0.95	4000
6017	17	38	17	2.90	1.00	4000
6018	18	40	18	3.05	1.05	4000

Overview

Inch Series Ball Bearings

These high-precision Inch Series ball bearings are engineered for reliable performance in demanding mechanical applications. Designed with a comprehensive range of sizes from 604 to 6018, they offer versatile solutions for various industrial requirements. Each bearing is manufactured to provide optimal load distribution and smooth operation, ensuring durability and efficiency in diverse operating environments.

Technical Specifications

Dimensional and Performance Data

Code	Inner Dia (mm)	Outer Dia (mm)	Width (mm)	Dynamic Load (kN)	Static Load (kN)
604	4	12	4	0.97	0.36
6000	10	26	8	4.55	1.96
6005	25	47	12	10.1	5.85
6010	50	80	16	21.8	16.6
6018	90	140	24	58	49.5

Available Series

604, 605, 606, 607, 608, 609, 6000, 6001, 6002, 6003, 6004, 6005, 6006, 6007, 6008, 6009, 6010, 6011, 6012, 6013, 6014, 6015, 6016, 6017, 6018

Performance Metrics

Typical Speed Range

4000 r/min
Minimum Limit

43000 r/min
Maximum Limit