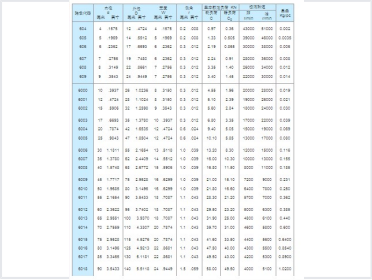
63 Series Deep Groove Ball Bearing

The 63 series deep groove ball bearing is designed for various applications. It includes detailed dimensions, load ratings, speed limits and weight specifications.



Overview

63 Series Deep Groove Ball Bearings

The 63 series deep groove ball bearings are precision-engineered components designed for versatile industrial applications. These bearings offer a balance of high load-carrying capacity and high-speed performance, making them suitable for a wide range of machinery. Available in various sizes ranging from 4mm to 90mm inner diameter, each unit is built to provide reliable operation and consistent service life.

Technical Specifications

Dimensions and Performance Ratings

Model	Inner Diameter (mm)	Outer Diameter (mm)	Width (mm)	Dynamic Load (kN)	Weight (kg)
604	4	12	4	0.97	0.002
6004	20	42	12	9.4	0.069
6008	40	68	15	16.3	0.185
6012	60	95	18	29.5	0.385
6018	90	140	24	58	1.02

Series Compatibility	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

Operating Speed Range

4000 r/min
Minimum Limit Speed

43000 r/min
Maximum Limit Speed