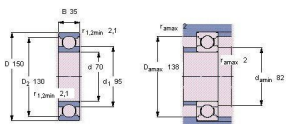


70mm Bore 6306 Deep Groove Ball Bearing

This deep groove ball bearing has a 70mm bore diameter, 150mm outer diameter, and 35mm width. It is designed to handle dynamic loads up to 111 kN and offers a reference speed of 9500 r/min.

Principal dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Mass
d	D	B	C	C ₀	P ₀	Reference speed	Limiting speed	kg
mm	150	35	111	68	2.75	9500	6300	2.50



Calculation factors
Y₁ 0.93
Y₂ 1.3

Product Overview

High-Performance Deep Groove Ball Bearing

This 6306 deep groove ball bearing is engineered for high precision and long service life, making it suitable for demanding applications such as machine tools, railways, and automotive machinery. It features robust construction using high-quality bearing steel, ensuring reliable performance under dynamic and static loads. Designed for versatility, this bearing offers excellent load ratings and speed capabilities to meet professional industrial requirements.

Key Dimensions

Bore Diameter (d)	70 mm
Outer Diameter (D)	150 mm
Width (B)	35 mm

Performance Metrics

Performance Ratings

111 kN

Dynamic Load Rating (C)

68 kN

Static Load Rating (C₀)

9500 r/min

Reference Speed

6300 r/min

Limiting Speed

Technical Specifications

Material	GCr15 Bearing Steel
Precision Standards	P4, P5, P6, P0, ABEC 1, ABEC 3, ABEC 5, ABEC 7
Mass	2.5 kg
Fatigue Load Limit (P ₀)	2.75 kN

Applications

Common Applications

- Machine tools
- Electrical equipment
- Railways
- Automotive
- Construction machinery