

# Angular Contact Ball Bearing

This precision angular contact ball bearing is designed for high-speed applications and combined radial and axial loads. It features optimized internal geometry for enhanced load capacity and reduced friction.



## Product Overview

### Precision Angular Contact Ball Bearing

This high-precision angular contact ball bearing is engineered for demanding industrial applications requiring the accommodation of combined radial and axial loads. Designed for high-speed performance, the bearing features optimized internal geometry to ensure reduced friction and enhanced load-carrying capacity. Constructed from durable, high-quality steel, it offers reliable service life in environments such as machine tools, industrial pumps, and precision equipment.

## Dimensions

### Dimensional Specifications

Parameter	Value	Unit
Bore Diameter (d)	10	mm
Outside Diameter (D)	26	mm
Width (B)	8	mm
Width (2B)	16	mm
Chamfer (rs min)	0.3	mm
Chamfer (r1s min)	0.15	mm

## Performance Metrics

### Load Ratings

**4.65 kN**

Dynamic Load (Cr) - Single

**2.07 kN**

Static Load (Cor) - Single

**7.5 kN**

Dynamic Load (Cr) - Duplex

**4.15 kN**

Static Load (Cor) - Duplex

### Speed Limits

- 29000
- 39000
- 23000
- 31000

## Physical Properties

Mass	0.023 kg
Bearing Type	Angular Contact, Ball Bearing, High Speed