

# Thrust Angular Contact Ball Bearing

Thrust angular contact ball bearings are designed to handle axial loads in one direction. The balls make contact with the raceways at an angle, distributing the load and providing high axial stiffness.



## Product Overview

### Precision Thrust Angular Contact Bearing

Thrust angular contact ball bearings are engineered to provide exceptional support for tool rolls with high axial rigidity. These bearings are designed to handle unilateral axial loads while maintaining a low friction moment, ensuring smooth operation in precision machinery. They serve as a reliable solution for high-performance industrial applications where consistent performance and precise positioning are critical requirements.

## Technical Features

### Installation Notes

- Use bearing combinations for double-direction axial loads
- Use bearing combinations if single bearing capacity is insufficient

<b>Axial Load Capability</b>	Unilateral
<b>Performance Attributes</b>	High Axial Rigidity, Low Friction Moment, Precision Positioning

## Application

### Common Industry Applications

- Machine tool spindles
- Tool roll support
- Precision rotary tables
- Robotics