

# Combination Radial and Thrust Bearings

These combination bearings support both axial and radial loads with high accuracy. They are suitable for lead screw support in digital control machining centers and as pivotal bearings in milling machines.



## Product Overview

### Combination Radial and Thrust Bearings

These combination bearings are engineered to support double-direction axial loads while maintaining high accuracy and stiffness. Designed for demanding environments, they integrate radial and axial load capabilities into a compact form factor, making them an ideal solution for space-constrained applications. Their hardened steel construction ensures durability and an extended service life in critical machinery.

## Technical Specifications

### Available Models

- ZARN (Needle and double-direction thrust roller combination)
- ZARF (Needle and double-direction thrust roller combination with flange)
- YRT (Roller and double-direction thrust needle roller combination)

### Load Capability

Double-direction axial load, Radial load support

## Applications

### Common Industry Applications

- Digital control machining centers
- Lead screw support
- Digital control milling machines
- Robotics
- Automation equipment

### Installation Features

ZARF models feature a housing washer specifically designed for flange installation.