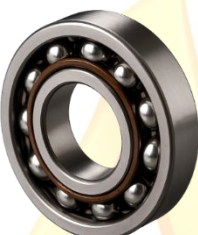




Division: Engineering Products

Sub Division: Bearings

Bearing type	Applications	Specification
Deep groove ball bearings 	Deep groove ball bearings are the most widely used type thanks to their versatility, high speed capability, and simple design. They are suitable for both radial and moderate axial loads and are used in motors, pumps, fans, and appliances.	Inner Diameter: 3 mm to 150 mm Outer Diameter: 10 mm to 300 mm Width: 4 mm to 60 mm Speed Rating: Up to 20,000 RPM Load Capacity: Up to 80 kN
Angular Contact Ball Bearings 	These bearings are engineered to support high-speed operations and combined loads. The contact angle allows for better axial load handling in one direction, making them ideal for machine tools and high-performance machinery.	Inner Diameter: 10 mm to 130 mm Outer Diameter: 30 mm to 200 mm Width: 9 mm to 50 mm Speed Rating: Up to 15,000 RPM Load Capacity: Up to 120 kN
Self-Aligning Ball Bearings 	Designed to correct shaft misalignment and deflection, self-aligning bearings are ideal for applications with shaft flexibility or mounting inaccuracies such as textile and agricultural machinery.	Inner Diameter: 5 mm to 100 mm Outer Diameter: 19 mm to 180 mm Width: 6 mm to 50 mm Speed Rating: Up to 10,000 RPM Load Capacity: Up to 50 kN
Cylindrical Roller Bearings 	Cylindrical roller bearings support heavy radial loads and allow for high-speed performance. Their separable design makes them easy to mount and dismount in motors, gearboxes, and compressors.	Inner Diameter: 20 mm to 200 mm Outer Diameter: 47 mm to 300 mm Width: 14 mm to 100 mm Speed Rating: Up to 10,000 RPM Load Capacity: Up to 250 kN



Spherical Roller Bearings



Built for extreme conditions, spherical roller bearings can accommodate heavy radial and axial loads and compensate for misalignment. Commonly used in mining, construction, and vibrating equipment.

Inner Diameter: 25 mm to 300 mm
 Outer Diameter: 62 mm to 500 mm
 Width: 17 mm to 150 mm
 Speed Rating: Up to 4,000 RPM
 Load Capacity: Up to 1,000 kN

Tapered Roller Bearings



These bearings have tapered raceways and rollers, allowing them to handle combined loads efficiently. They are widely used in automotive applications and heavy-duty gear systems.

Inner Diameter: 15 mm to 200 mm
 Outer Diameter: 35 mm to 300 mm
 Width: 11 mm to 100 mm
 Speed Rating: Up to 6,000 RPM
 Load Capacity: Up to 500 kN

Needle Roller Bearings



Compact and lightweight, needle roller bearings offer high radial load capacity in limited spaces. They are ideal for transmissions, compressors, and two-wheelers.

Inner Diameter: 5 mm to 100 mm
 Outer Diameter: 10 mm to 120 mm
 Width: 5 mm to 50 mm
 Speed Rating: Up to 9,000 RPM
 Load Capacity: Up to 200 kN

Thrust Ball Bearings



These bearings are made to carry axial loads only and are best suited for low-speed applications such as turntables, jacks, and vertical shafts.

Inner Diameter: 10 mm to 100 mm
 Outer Diameter: 24 mm to 200 mm
 Height: 9 mm to 40 mm
 Speed Rating: Up to 3,000 RPM
 Load Capacity: Up to 100 kN

Thrust Roller Bearings



Designed for high axial loads and some radial loads, thrust roller bearings are ideal for heavy-duty industrial equipment like presses and cranes.

Inner Diameter: 20 mm to 250 mm
 Outer Diameter: 45 mm to 400 mm
 Height: 12 mm to 80 mm
 Speed Rating: Up to 2,000 RPM
 Load Capacity: Up to 900 kN





Pillow Block Bearings (Mounted Units)



These bearings are mounted in housings and are ready for installation. They support rotating shafts and are commonly used in conveyors, fans, and agricultural equipment.

Bore Size: 12 mm to 100 mm
Housing Types: Cast Iron / Pressed Steel / Thermoplastic
Sealing Options: Open / Sealed
Speed Rating: Up to 6,000 RPM
Load Capacity: Varies by unit, typically up to 150 kN

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