



TIMKEN® ANGULAR CONTACT BALL BEARINGS

ALL-AROUND RELIABILITY

Designed for reliable performance in pump, compressor, electric motor and many other industrial applications, our angular contact ball bearings are able to handle high speeds and both radial and axial loading. These bearings follow ISO standards and are dimensionally interchangeable with competitor metric products.

MORE CHOICES

We have added 250-new part numbers to our growing portfolio of single-row and double-row products. Now you have more options from a dependable supplier known for quality and performance.

CAGE OPTIONS

Brass Cage: Single-row angular contact ball bearings are available with brass cages for extra strength and durability in the most unrelenting conditions.

Polyamide Cage: Single-row and double-row angular contact ball bearings with molded polyamide 66 glass fiber reinforced cages can provide additional misalignment capability and offer reduced functional torque.

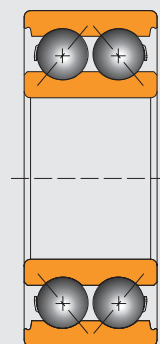
Steel Cage: Double-row angular contact ball bearings with pressed-steel cages are rigid and strong, making them the preferred choice for most applications.

BEARING TYPES

Our design offering includes a range of single-row universally matched, single-row standard, and double-row products with different cage types, contact angles and tolerances.



SINGLE ROW



DOUBLE ROW

PRODUCT FEATURES

- » Enhanced raceway finish
- » Quiet running
- » High-speed capabilities
- » Robust seals
- » Premium Mobil Polyrex™ EM lubricants

THE PARTS YOU NEED — FAST

Part availability coupled with a robust stocking program means fast access to our most in-demand products.

GET THE MOST OUT OF YOUR OPERATIONS

Every Timken angular contact ball bearing is backed by premium customer service, leveraging our global sales and distribution network. It is also supported by the knowledge of our industry-leading experts. They are ready to assist you with product design, application knowledge and field engineering support – anything you need to help improve uptime and maximize equipment performance.

ANGULAR CONTACT BALL BEARING NOMENCLATURES

SINGLE-ROW UNIVERSALLY MATCHED DESIGN

Contact Angle = 40°

| 72 | 06 | B | M | / | CN |
|---|---|-------------------------------|---|---|---|
| Series Code 72 Light Series 73 Medium Series | Bore Code 00 10 mm 01 12 mm 02 15 mm 03 17 mm 04 and up: Code x 5 | Contact Angle B 40° | Cage Design M Machined Brass TN1 Molded Polyamide 66 | | Preload⁽¹⁾ UL Light UM Medium UH Heavy Axial Clearance⁽¹⁾ CN Normal CL Larger than CN CS Smaller than CN |

⁽¹⁾Two bearings arranged face-to-face or back-to-back will have the above axial clearance or preload.

SINGLE-ROW STANDARD DESIGN

| 72 | 06 | B | TN1 |
|---|---|-------------------------------|---|
| Series Code 72 Light Series 73 Medium Series | Bore Code 00 10 mm 01 12 mm 02 15 mm 03 17 mm 04 and up: Code x 5 | Contact Angle B 40° | Cage Design M Machined Brass TN1 Molded Polyamide 66 |



DOUBLE-ROW DESIGN

Contact Angle = 30°

| 32 | 06 | K | J | / | 2RS | C3 |
|---|---|---|--|---|--|--|
| Series Code 32 Light Series 33 Medium Series | Bore Code 00 10 mm 01 12 mm 02 15 mm 03 17 mm 04 and up: Code x 5 | Construction K No filling slots | Cage Design J Pressed Steel TN1 Molded Polyamide 66 | | Seals/Shields Blank Open Z/ZZ Shield(s) RS/2RS Contact Seal(s) RZ/2RZ Non-contact Seal(s) | Axial Internal Clearance C2 Smaller than C0 C0/Blank Normal C3 Larger than C0 C4 Larger than C3 |

PRODUCT RANGE

| Series | | 7200 | | 7300 | | 3200 | | 3300 | |
|---------------|--------------|------------|---|------|---|------------|---|------|---|
| Contact Angle | | 40° | | 40° | | 30° | | 30° | |
| Cage Material | | TN1 | M | TN1 | M | TN1 | J | TN1 | J |
| Bore Code | Bore Size mm | Single Row | | | | Double Row | | | |
| 00 | 10 | | | | | | | | |
| 01 | 12 | | | | | | | | |
| 02 | 15 | | | | | | | | |
| 03 | 17 | | | | | | | | |
| 04 | 20 | | | | | | | | |
| 05 | 25 | | | | | | | | |
| 06 | 30 | | | | | | | | |
| 07 | 35 | | | | | | | | |
| 08 | 40 | | | | | | | | |
| 09 | 45 | | | | | | | | |
| 10 | 50 | | | | | | | | |
| 11 | 55 | | | | | | | | |
| 12 | 60 | | | | | | | | |
| 13 | 65 | | | | | | | | |
| 14 | 70 | | | | | | | | |
| 15 | 75 | | | | | | | | |
| 16 | 80 | | | | | | | | |
| 17 | 85 | | | | | | | | |
| 18 | 90 | | | | | | | | |
| 19 | 95 | | | | | | | | |
| 20 | 100 | | | | | | | | |
| 21 | 105 | | | | | | | | |
| 22 | 110 | | | | | | | | |
| 24 | 120 | | | | | | | | |
| 26 | 130 | | | | | | | | |

Cage Material:

TN1

M

J

Molded Polyamide 66

Machined Brass

Pressed Steel

| Bearing Types | Tolerance Class |
|---------------------------------------|-----------------|
| Single-Row Standard Design | P0 |
| Single-Row Universally Matched Design | P5 |
| Double-Row Design | P0 |

TIMKEN

The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets bearings, gear drives, automated lubrication systems, belts, brakes, clutches, chain, couplings, linear motion products and related power transmission rebuild and repair services.

Stronger. By Design.

www.timken.com