



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 over 300-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.

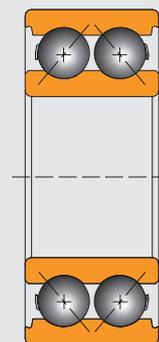
Steel Cage: Single-row and double-row angular contact ball bearings with pressed-steel cages are rigid and strong, making them the preferred choice for most applications.

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 J Pressed Steel		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

Contact Angle = 40°

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 J Pressed Steel



DOUBLE-ROW DESIGN

Contact Angle = 30°

32	06	A	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	Contact Angle A 30°	Cage Design J Pressed Steel TN1 Molded Polyamide 66		Seals/Shields Blank Open ZZ Shield(s) 2RS 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	J	TN1	M	J	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 Molded Polyamide 66
 M Machined Brass
 J 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