TIMKEN

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 more than 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.

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

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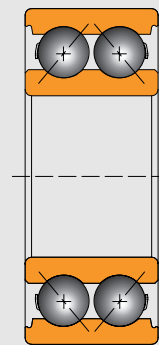
Steel Cage: Single-row and double-row angular contact ball bearings with pressed-steel cages are rigid and strong, making them the preferred choice for most applications.

PRODUCT FEATURES

» Enhanced raceway finish
» Quiet running
» High-speed capabilities
» Robust seals

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

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   Shields
2RS   Contact Seals

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