

IBC | Industrial
Bearing
Corporation

PRODUCT CATALOG



TOTAL INDUSTRIAL SOLUTIONS PROVIDER



About IBC

IBC Bearing is a proven market leader in the supply of world-class bearings in Gujarat. Thousands of customers rely on IBC for their superior Technical Support Team, Best Price, Shortest Delivery Time and IBC's enviable inventory. IBC is authorized distributors for some of the most renowned brands such as TIMKEN, ABB, BALDOR, DODGE, SKF, TATA, NRB, CONTITECH, MASTA, ZVL, TR, NTN, NSK-RHP.

IBC's phenomenal success is linked to the ability to deliver any type of bearing anywhere within a short period of time. With clear focus on Total Dedication, Total Commitment and Total Quality, IBC has an impressive track record of customer satisfaction, enabling it to retain its position as a preferred bearing supplier for industries both big and small.

IBC Family is the force which drives us from within. At IBC, We focus on Total Commitment, Quality and Customer satisfaction which is internalized by the team. The enterprising team is ably steered by Men with Mission. Our Team of directors are accessible to customers all the time for any query related to placing an order, addressing a complaint, or a technical query. " You can rely on us to give you the service you deserve - right from quick quotations. To clear responses to questions and timely dispatches."

As always, We shall Endeavour best products and services at all times

Regards,
VINAY SANGHANI
Proprietor

KEEPING INDUSTRIES MOVING

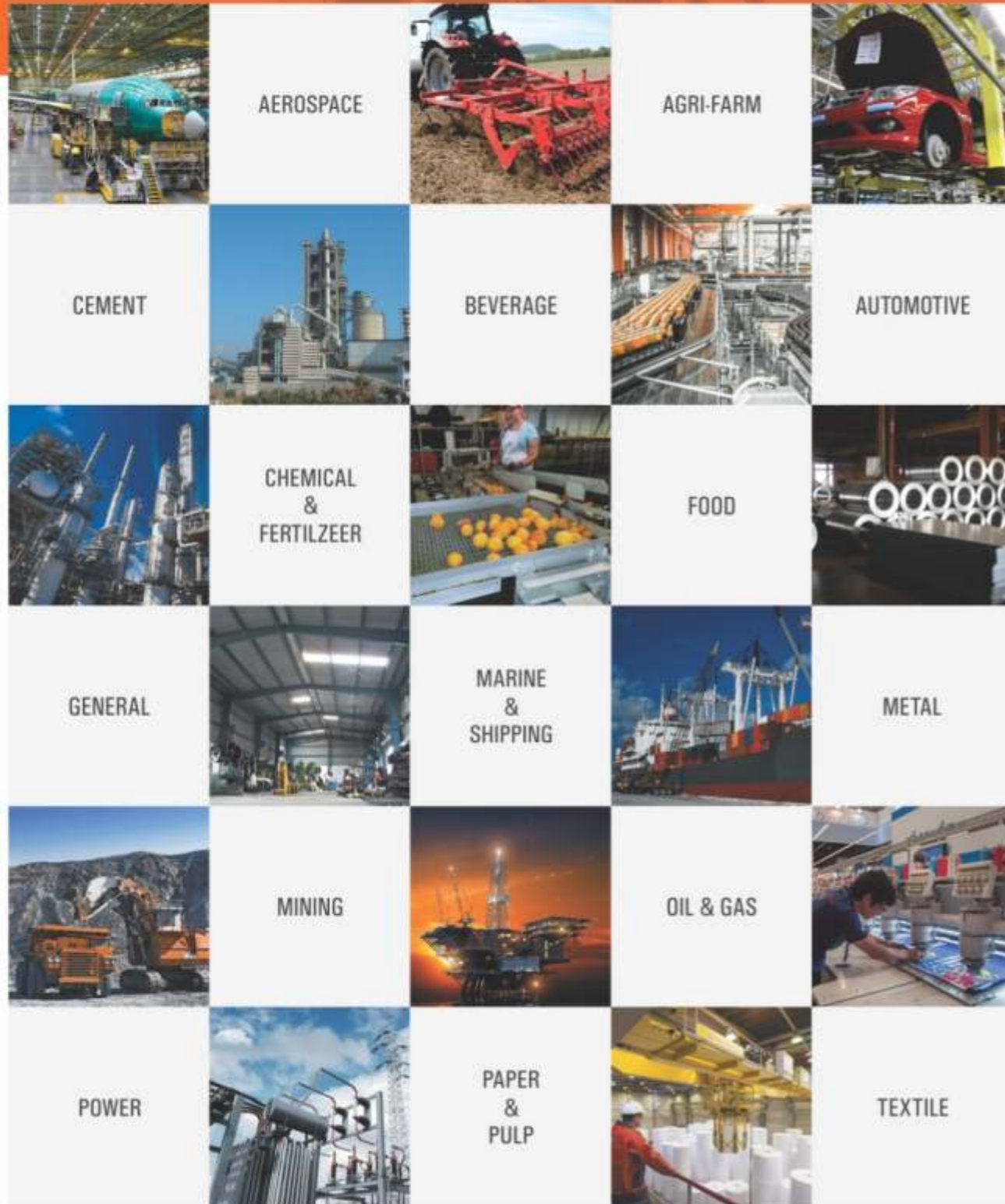


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SPHERICAL ROLLER BEARINGS



A LOT GOES INTO A TIMKEN SPHERICAL ROLLER BEARING. A LOT COMES OUT OF IT. MORE STRENGTH. MORE SUPPORT. MORE SAVINGS.

Successfully running in Gearboxes, Casters, Aggregates, including shaker screens, Heavy stationary industrial conveyor systems, industrial fans.

Advantages of Timken SRB

- The new Timken EJ innovative cage design is piloted on the inner land to reduce roller load and reduced friction
- Runs cooler - A Quantum Leap in Performance
- Stronger cages.
- Better contaminant purging

POPULAR NOMENCLATURE MOD-CODES

TIMKEN	SKF	FAG
EJ (Stamped nitrided steel-cage)	E, EJA, C, CC, CCJA, EC, ECC	E1
EM (One-piece roller-riding, machined-brass cage)	CA, CAC, CAF, ECA, ECAF, CCJA	M
C3, C4 (Bearing Radial Internal Clearance (RIC) greater than normal)	C3, C4	C3, C4
W33 (Standard lubrication holes and groove in outer ring)	W33	S
W800 (Shaker screen modification) C08C3 / C08C4	VA405	T41A
(P5 accuracy with RIC)	C083 / C084	C3, C4, T52BW



BEARINGS



Ball Bearing are designed for combination of radial and axial loading



Eccentric Bearing used in servo motor or gear motor in various industries



ADAPT designed for continuous casters



Spherical Plain bearings are ideal for static & oscillatory applications



Precision Ball Bearing are from Timken, NSK, RHP with precision tolerances



Needle Roller Bearing from NRB



Rod ends & spherical plain bearings



Linear Bearing with Blocks in THK, Hiwin, NSK, Rexroth, PMT etc.



TAPERED ROLLER



CYLINDRICAL ROLLER



THRUST ROLLER

SOLID HOUSED UNITS



Double row spherical roller bearing accepts misalignment

Choice of 6 primary seals in any combination

Machined feet for one-time shaft alignments and easy replacement

Housing can be special ordered with nickel, zinc or urethane coating

Easily converted to fixed or expansion in the field

Standard Relief Valve

TIMKEN SOLID SRB COMBATS CLI FEATURES

14 different primary & secondary sealing options & 6 locking styles

Auxiliary covers, protection from contamination

Solid housed, completely sealed unit and pre-lubricated from factory

Variety of housing styles

ABB - DODGE HOUSING RANGE



Nearly all mounted units do not reach their stated L10 life. Mounted bearings fail due to "CLI Disease - Contamination, Lubrication, Installation"

Solid Housed Units overcomes these issues because they are completely sealed unit from the factory. Designed to go directly from shelf to the shaft. They are designed to stand extreme conditions. Choose the housing configuration that fits your need. For your convenience, we offer interchange solutions for hundreds of housed units that simply don't offer the strength of these solid-block designs.

HOUSING STYLES



HOUSED UNITS



BALL HOUSED UNITS

UC-Series Ball Bearing Housed units are designed for optimal performance. The UC-Series units are in metric and imperial sizes.

One-to-one interchange

Withstand static misalignment of the shaft of +/- 3 degree

High-strength housings

Pre-lubricated and ready for immediate installation

Precision sealing provides extended bearing life

TYPE - E

Type E housed units strengthen the performance of your equipment with industry-leading premium tapered roller bearings.

Improved grease retention

Machined steel

Increased locking power

Designed to optimize lip contact and minimize torque

12% higher load capacity against leading competitors

SLEEV-OIL / WHITE METAL BEARING

Dodge Sleeve-Oil bearings offer excellent radial and thrust load capacities.

Extended life (no metal-to-metal contact during operation)

Dampens vibration, provides quiet operation

External cooling available for hot shafts or high temperatures

Self-aligning & handles high speed

Fully split for ease of maintenance

Hydro-Dynamic Bearing

BALL HOUSED UNITS

Ball Bearing Housed units including the R, Y, V and S-Series are available in a wide variety of types and sizes.

Set-Screw locking

Eccentric and Concentric locking

Special purpose & environments

Safety end caps

Replaceable Inserts

SNT / SAF PLUMMER BLOCKS

SNT / SAF Plummer Block housed units and sleeves, locknuts & other accessories deliver engineering expertise & quality.

Four types of seals available to meet your application needs

Cast Iron & Cast Steel Housings

High performance with lower operating temp with Timken SRB

SNT - Solid One Piece, SAF - Split Design

Easily converts between fixed and float

REVOLVO SPLIT CRB UNITS

Revolve Split Cylindrical Bearings are ideal for trapped applications, designed to reduce maintenance expense

Innovative cage clip

Capable for higher speeds, temperature and acceleration

Profiled rolling elements that reduce damaging edge stress

Longer life due to a robust design

Application load requirement

E-Z Kleen

A mounted ball bearing with either a reinforced polymer or a stainless steel housing with a corrosion resistant, coated insert

Patented polymer housing includes anti-microbial agent which resists bacterial and fungus growth

QuadGuard triple lip seal with rubberized flinger

Maxlife cage that extends grease life

Interchangeable mounting dimensions with most competitive products

Snap-on end-covers

ISN SPHERICAL ROLLER BEARINGS

A mounted spherical roller bearing with metric mounting dimensions that is dimensionally interchangeable with SN style housings

Patented easy-on, easy-off adapter mounting and removal system

Trident triple lip and labyrinth seal options

One piece, factory greased, out-of-the-box ready to install

Full concentric shaft attachment with adaptor sleeve mount

QUICK-FLEX COUPLINGS

- Easy to replace without moving hubs ✓
- High- and low- torque ratings ✓
- High speed capability ✓
- Low lifetime cost ✓
- Hubs not damaged when urethane element needs replacement ✓
- No lubrication needed ✓
- No hub teeth wear ✓
- Compact design ✓
- Replaces virtually all styles ✓



GEAR COUPLING

Falk Lifelign Gear Couplings' triple-crowned teeth articulate freely and minimize wear by misalignment.

- Large flex hubs accommodate high torque apps in space-limited situations
- Up to (8,185,763 Nm) torque capacity
- Can help protect equipment from damaging loads
- Up to 1,067 mm bore capacity
- 3-year, heavy-duty warranty



GRID COUPLING

Flexible coupling of various sizes providing extended life to connected equipment.

- No need to re-lubricate for 5 years when using Falk Long Term Grease (LTG)
- Up to 508 mm bore capacity
- Up to 10,000 rpm
- Up to 932,126 Nm torque
- Replace-in-place design reduces element change-out time



ABB RAPTOR

- Natural rubber WingLock™ element
- Easier installation & reduced maintenance
- Longer driven equipment life
- Flexible mounting options
- Engineered for longer life and improved reliability
- Documented performance
- Superior natural rubber element
- Longer driven equipment life
- Easier installation and reduced maintenance
- Industry leading misalignment capabilities
- Third-party ATEX certified



DISC COUPLING

Disc Couplings and Flexible Disc Packs are engineered for infinite life and optimized for motor, engine and turbine-driven apps.

- Allows for visual inspection
- Easy replacement of disc packs and center members
- Up to 383,019 Nm torque capacity
- Zero backlash, low restoring forces, electrically insulated designs
- Up to 20,000 rpm



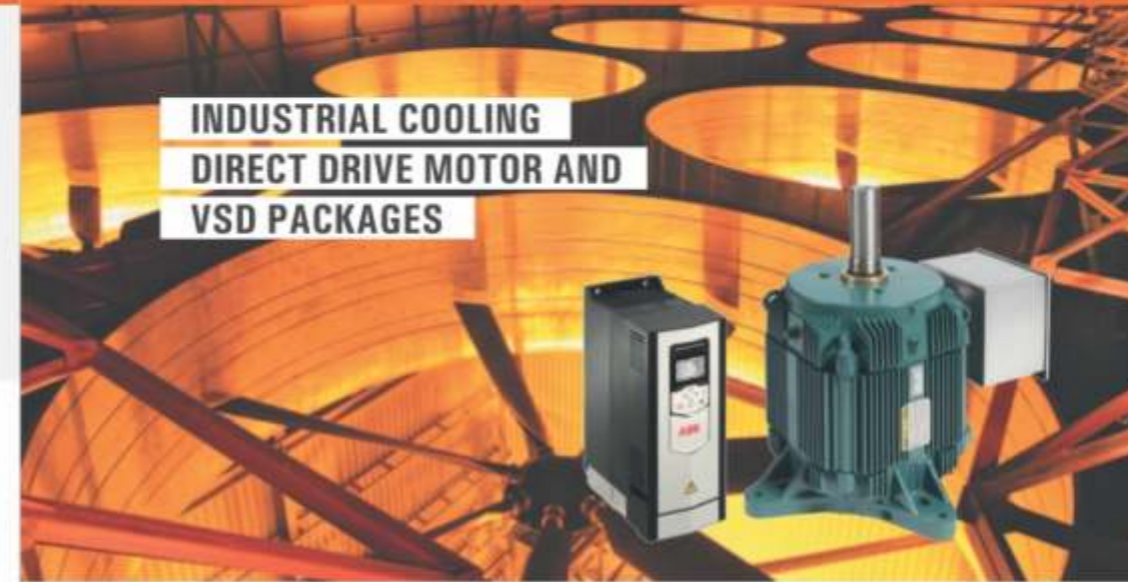
TIMKEN QUICK-FLEX COUPLING

Quick-flex Comparison	Quick-Flex	Jaw Coupling	Grid Coupling	Chain Coupling	Tire Coupling
Easy to Replace Without Moving Hubs	•		•		•
High and Low Torque Ratings	•			•	
High-Speed Capability	•			•	
Low Lifetime Cost	•				
Hubs Not Damaged When Urethane Inserts Need to be Replaced	•				
No Lubrication Needed	•	•			•
No Hub Teeth Wear	•				
Cushioned Shock	•	•	•		•
Compact Design	•			•	

POWER TRANSMISSION



INDUSTRIAL COOLING DIRECT DRIVE MOTOR AND VSD PACKAGES



SIMPLICITY. RELIABILITY. ENERGY SAVINGS. EVERYTHING COUNTS.

Our direct drive motor and variable speed drive packages replace the gearbox, driveshaft and induction motor typically used in industrial cooling fans. This results in less parts, less maintenance and reduced risks. Reduce Cooling Tower Complexity with Direct Drive Solution

Traditional cooling tower drivetrains use a 1,500 rpm induction motor connected to a gearbox. The Gearbox connects to the fan.

These parts introduce risk and require continual can slow down your production.

Gearbox maintenance is time consuming and oil leaks are common.

A broken driveshaft can disable the fan until spares can be received.



BALDOR RELIANCE NEMA MOTORS

GEARBOX



BRANDS : PHILADELPHIA GEAR, ABB, BALDOR MOTORS, GEARED-MOTORS.



PHILADELPHIA GEARS (TIMKEN)



CHAINS



PULLEYS



V-BELTS



TIMING BELT



OIL SEALS



We offer an extensive line of industrial sealing solutions with custom sizes. The ability to retain lubrication and block contaminants is critical to optimal bearing and system performance. It provides resistance to extreme temperatures, pressure, debris and most chemicals.

Contact and non-contact designs suit any application – with excellent sealing capability
Durable materials can extend seal life and minimize maintenance
Secondary seals, covers and endcaps provide extra protection in harsher environments

TIMKEN PREMIUM GREASE

GREASE FROM THE FRICTION MANAGEMENT EXPERTS

Timken grease helps bearings and related components operate effectively in demanding industrial operations. High temperature, antiwear and water-resistant additives offer superior protection in challenging environments. Around the world, customers use Timken lubricants for rail bearings, rolling mills, power generation equipment, & other industrial applications

MULTI-PURPOSE EP2

TIMKEN MULTI-USE EP2 GREASE

Multi-purpose grease for general industrial applications. Available in pack sizes of 180 Kg, 55 Kg, 16 Kg and 5 Kg.

Key Features

Fortified with rust and oxidation inhibitors Lithium soap thickened grease.

Operating temperatures from -10°C to +130°C.

Used in a variety of applications where extreme pressure is required.

This grease is available in NLGI 2 grade.



IBC

KEY FEATURES OF PREMIUM INDUSTRIAL GREASE

Premium high temperature grease for heavy industrial applications. Available in pack size of 180 Kg.

Superior protection against rust and corrosion, including salt spray

Excellent high temperature properties, water resistance, antioxidation properties

Applications Steel mills, paper mills, aluminum mills, foundries, cement plants, power generation, off-road applications, mineral processing, offshore rigs and marine applications.

REMOVAL TOOLS



FITTING TOOLS



INDUCTION HEATER



REPAIR SERVICES



Local Service. National Support. Global Expertise.

Timken Industrial Services has expanded with a 33,000 square foot facility in Raipur, offering gearbox and bearing after market solutions for the cement, metals and power generation markets. Timken, with the gear and service knowledge from Philadelphia Gear, is positioning the industrial services business to provide expert repair services for complex equipment around the world.
- Timken Raipur Industrial Service Centre

GEAR REPAIR SCOPE & SERVICES

One-Stop Solution for all Your Gear Drive Needs Bearings, Bevel Gears, Couplings, Epicyclic Gears, Herringbone Gears, Open Gearing, Parallel Shaft Gears, Planetary Gears, Worm Gears Condition Monitoring, Diagnostics, Drive Exchange Program, Gear 101 Training, Engineered Upgrades, On-site Inspection, Predictive Maintenance

BEARING, CHOCK & GEAR REPAIR SERVICE BY TIMKEN

Timken offers comprehensive bearing & gear repair services to help save you time and money by reconditioning bearings & gear of any manufacturer for extended life rather than purchasing new.

Remanufacturing is most economical for bearings at least 8 inches OD. Timken remanufactures most bearing types and accept all manufacturers' brands for remanufacturing.

The Raipur facility offers a 'one-stop-shop' solution to our many customers in India's growing cement, primary metals, mining and power generation sectors.



1. INSPECT



2. REPAIR



3. UPGRADE

Each one of Timken service centres is equipped with the latest machinery to provide full inspection, repair and upgrade services. Any gear drive or component can be reverse engineered to exact OEM specifications and are staffed with engineers who are experts & skilled in performing gearbox and bearing failure root cause analysis.

RECERTIFICATION AND WARRANTY

For repairs, Timken provides full disassembly, cleaning, inspection and measurement and various non-destructive tests. All repair work done by Timken is backed by warranty.

BEARING REPAIR PROCESS

Expert Bearing Repair from the Bearing Experts

Recertification - visually inspect bearing assemblies; measure to verify internal clearances

Reclamation - polish bearing components

Reconditioning - visually inspect and then polish & measure components

Remanufacture - clean and visually inspect bearing components; re-grind raceways; manufacture new roller sets; re-set internal clearances; then preserve and package the bearings for return shipment

Modification - add special features to existing or new bearing assemblies to enhance performance, retrofit to special applications, or upgrade to meet current Timken design standards



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