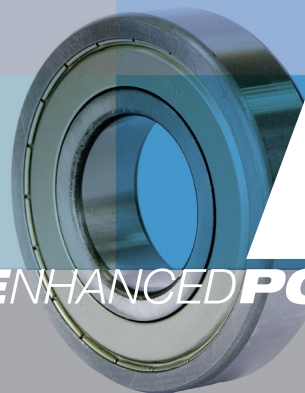


KG[®] Bearings



E₂

ENHANCED **POWER** *PERFORM* Series



KG Bearings
BEARING PEOPLE SINCE 1968...

KG International is one of the world's leading producer of Ball and Roller Bearings. At our most modern & high tech Bearing manufacturing facility, spread over 90,000 sqm in India, over 200 skilled & semi skilled workers combine KG's expertise with American technology to produce millions of quality Bearings every year.

Our 300,000 sq. ft. central logistics hub at Jebel Ali Free Zone, Dubai, has brought us closer to our customers. Being located at the cross roads of world's major trade routes has helped us to achieve quicker deliveries, and shorter turn around times.

For over four decades now, our motivation has been to continuously outperform & exceed expectations. The secret to success is our straight forward policy, which we never deviate from, i.e. customer comes first, everything else is secondary.

E

ENHANCED POWER² PERFORM Series

In line with our constant efforts to provide maximum product value to our customers, we introduced KGE Bearings in the year 2002. KGE Bearings are specifically developed to meet critical and highly noise sensitive application requirement of our OEM customers and end users.

Premium KGE Bearings have significant features offering many additional technical advantages.

- 1) Enhanced Bearing design and standards:** Internal Bearing geometry for KGE Bearings has been modified. In addition, specifications for the raw materials, in-process quality control and Bearing performance standards have been thoroughly upgraded.
- 2) Basic raw material:** While standard SAE 52100 grade Bearing steel is used for rings and rolling elements, chemical composition and purity of steel is also controlled to a greater precision for higher fatigue strength and longer service life of Bearings.
- 3) Heat Treatment:** Fully automated and environment controlled heat treatment process ensures the right hardness and improves

microstructure without compromising on the purity of steel. Special heat treatment is given to the Bearing rings which improves the appearance of corner radii, and prevents from rust.

- 4) Machining operations:** All KGE Bearings are produced on ISO/TS16949:2002 certified production lines. Processes like turning, grinding and super-finishing are carried out on fully automated CNC machines. Online quality checks at every step automatically eliminate all non-conforming components for a premium quality final product.
- 5) Finishing process & packaging:** Final stages of cleaning (washing), assembly, inspection and packaging are carried out in a dust free and temperature controlled environment to minimize the effect of ambient conditions on Bearing's quality or consistency.

Over the years, we have successfully produced following range of premium KGE Bearings.

- 605 – 609 (Open, ZZ & 2RS Type)
- 624 – 629 (Open, ZZ & 2RS Type)
- 6000 – 6018 (Open, ZZ & 2RS Type)
- 6200 – 6220 (Open, ZZ & 2RS Type)
- 6300 – 6318 (Open, ZZ & 2RS Type)

For ease of identification and correct selection of KGE Bearings, additional suffixes have been used on the Bearings as well as packaging material.

Quality grades

- Q1 – Z1
- Q2 – Z2
- Q3 – Z2V1
- Q4 – Z2V2
- Q5 – Z3V2 (EMQ Grade for large sizes)
- Q6 – Z3V3 (EMQ Grade)
- Q7 – Z4V3 (EMQ Grade)
- Q8 – Z4V4 (EMQ Grade)

Grease codes

- G1 – Chinese Hangu No. 1
- G2 – Chinese Hangu No. 2
- G3 – Shell Alvania RLQ2
- G4 – Koyodo Multitemp 2RSL
- G5 – Koyodo Yushi Raremax Super
- G6 – Chevron
- G7 – Esso Polyrex
- G9 – Shell Alvania RLQ3 with 25 ~ 30% grease fill on each side of bearing (Grease filled from both sides).

Method to decode the suffixes

- Bearing marked as 6202 ZZ/Q8G5, refers to 6202 ZZ – Double shielded deep groove Ball Bearing.
- Q8 – Z4V4
 - G5 – Koyodo Yushi Raremax Super

Other Available Bearing types are:

- Tapered roller Bearings.
- Cylindrical roller Bearings.
- Adapter Sleeves.

KGE Bearings are suitable for high speed electric motors, pumps, power tools, house hold appliances, gear boxes etc.



100% final inspection of KGE Bearings assures that every single piece used by our customers, fully conforms to KGE standards



For technical and other queries, please visit our web site, www.kginternational.com or contact us at info@kginternational.com



KG International FZCO - Dubai

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www.kginternational.com

An ISO Certified Company

