

SKF

SKF

SKF in Jinan

A new step towards global excellence

SKF (Jinan) Bearings and Precision Technologies Products Co.,Ltd.
Address: No.2277 Chunxuan Road, Suncun Subdistrict Office,
Jinan High and New Technological Industry Development Zone,
Jinan City, Shandong Province, PRC.
Tel: +86 531 66892999

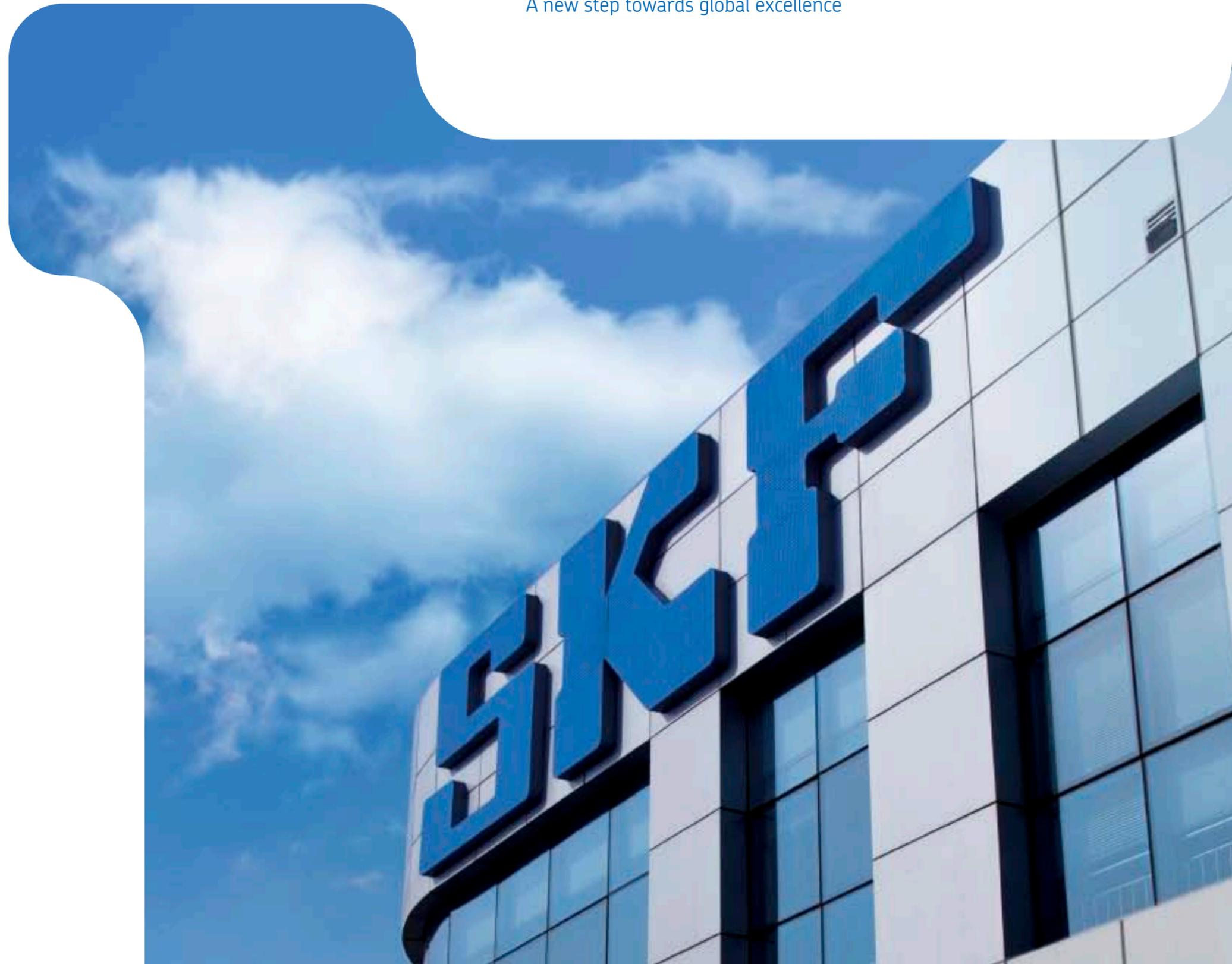
©SKF is a registered trademark of the SKF Group.

©SKF Group 2013

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

PUB GC/E4 13729 EN · April 2013

www.skf.com.cn



World-class worldwide

SKF in Jinan (SKF Jinan Bearings and Precision Technologies Products Co., Ltd), located in Jinan, Shandong province, is one of the bearing manufacturing sites of the SKF Group in China. SKF in Jinan is an important engineering and manufacturing resource for the SKF Group. The site mainly delivers tapered roller bearings and truck hub units, creating value for the truck OEM customers in China, as well as the industrial markets and the automotive aftermarket in China and Asia.

SKF in Jinan, covering an area of 66700 m², was inaugurated in September 2012 and so far the investment of the factory amounts to around CNY 590 million. The factory, which now is operational and will employ around 500 people at its full capacity, was built according to the Leadership in Energy and Environmental Design (LEED) Gold standard.

With SKF in Jinan, SKF is taking a new step towards bringing the accumulated knowledge and experience gathered from over a century of world-class bearing technology, design and manufacturing to China. This step will ensure the consistent SKF quality for customers in China and throughout Asia. In addition, investing heavily in highly trained staff and an on-site learning centre, this new factory is an important move towards delivering world-class quality to the local market.

Ensuring a consistent world-class quality

SKF in Jinan has adopted the SKF Group standards and follows the same global standards both in manufacturing and management systems. The quality commitment of SKF in Jinan to the region ensures the implementation of the SKF global quality policy, quality system, product standard and supplier standard. All production equipment is designed according to SKF's global specifications, to secure that the manufacturing process is reliable and will be able to meet current and future production needs.

In addition, the new factory has invested in best in class in-process automatic

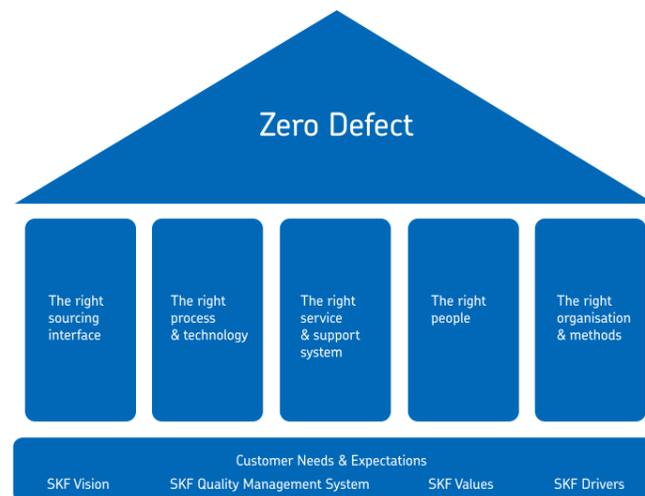
controls, measurement and test equipment supported by a metrology and metallurgy laboratory operated by specially trained employees. The equipment is linked together through a highly sophisticated IT environment and this lab ensures that all products have gone through a strict quality control before they are delivered to the customers.

Furthermore, SKF in Jinan has implemented and deployed the SKF global automotive quality management system, which at its minimum meets the international quality standards like TS 16949 in all operations of the factory.

Zero Defect concept

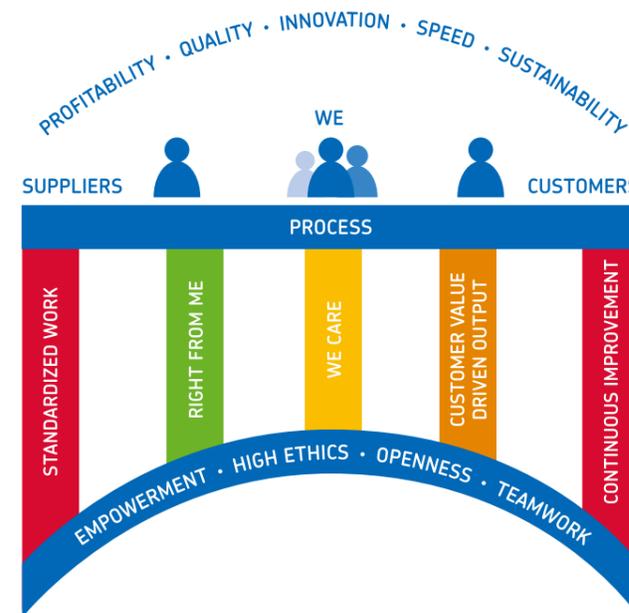
To guarantee world-class quality, SKF in Jinan is also adopting several global best practices into daily operation, these are:

- the right sourcing
- the right process and technology
- the right service and support
- the right people
- the right organization and methods



Business Excellence and Six Sigma

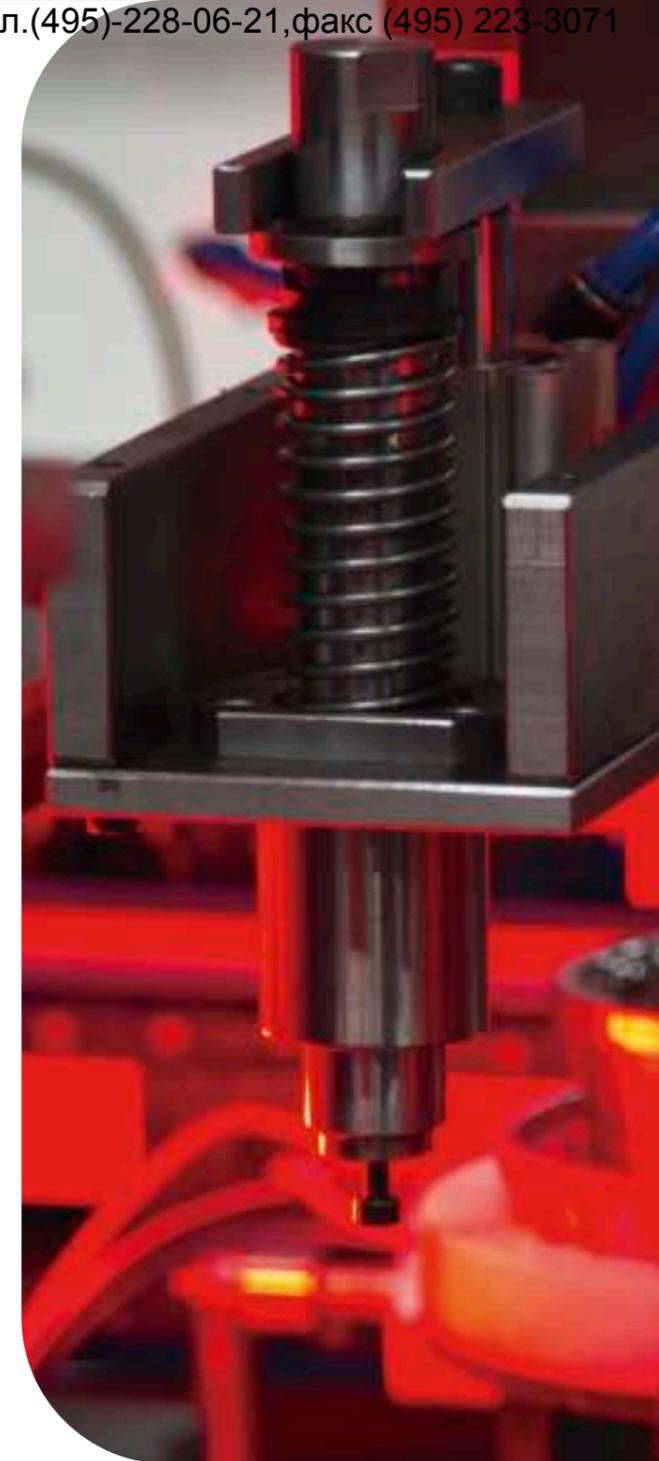
The SKF Bridge of Business Excellence is the symbol for the work towards Business Excellence and it applies to the whole of SKF including SKF in Jinan to ensure our continued progress on the road towards truly becoming the knowledge engineering company.



The bridge structure of business excellence illustrates SKF's processes as the link between our suppliers and customers.

Working together with our suppliers and customers help make SKF create tangible customer value by optimizing the manufacturing flow, improving the efficiency and quality, shortening the delivery time and serving our customers better.

SKF in Jinan has from the very beginning embarked on the journey towards "SKF Business Excellence" in order to guarantee



a high quality delivery to our customers. In SKF in Jinan, all employees are involved in Business Excellence, adopting and using a number of innovative lean tools and methods including SKF Six Sigma.

So, wherever in the world the bearing is made, our commitment to only producing SKF quality remains the same. That is what we like to call "made in SKF".

The Power of Knowledge Engineering

When SKF takes manufacturing to a new location, over 100 years of bearing knowledge and design follow. During one century, SKF has accumulated an incomparable knowledge bank within the five technology platforms; bearings and units, mechatronics, seals, services and lubrication systems. SKF's multi-platform combination of competence and understanding, created by this long experience, is what we call the Power of Knowledge Engineering.

SKF in Jinan fully utilises knowledge engineering in all its operations and brings the entire SKF knowledge to the local customer in China, reaching our main purpose; to make our customers more profitable and successful.

In addition to this, the Global Technical Centre China (GTCC) – including the SKF Engineering & Research Centre, the SKF Manufacturing Development Centre and the SKF Quality Technology

Centre – helps to drive continuous improvement in product quality and manufacturing processes in China. The main function of the centre is to act as a Chinese hub for the global SKF knowledge and experience, bringing innovation and technical knowledge closer to SKF customers in China. The GTCC makes a big difference for the local market, since the lead time between research and production is shortened significantly, as the Asian market no longer has to turn to Europe for design and development.

The collaboration between SKF in Jinan and the Global Technical Centre China will lead to an improved flexibility within customized product solutions, as well as a decrease in lead time for development and delivery all across Asia.



Powered by people

As a leading global innovation company operating successfully for over 100 years, SKF is powered by people who have a strong belief in knowledge engineering. SKF is strong because of the caliber of its people, and in turn, SKF is a company striving to make its employees grow and achieve their full potential.

Proper training for employees is a very important area given the technologically advanced nature of the work in SKF in Jinan. Therefore the factory also has a learning centre, which is a concept that SKF is rolling out globally in the coming years. Today, three factories in China have learning centres, and the main advantage

is that these centres enable SKF to, through training and knowledge sharing, keep the level of quality worldwide.

The learning centre is a valued asset for the factory, especially for graduates who want to join the company. A vocational training system copied from Germany has been implemented, where the graduates initially spend half the time in school and half the time in the workshops in order to learn both the theoretical side as well as the practical side of manufacturing.

The management team at SKF in Jinan has a long experience within high technology manufacturing, as they all come from the automotive industry. The factory also employs a group of very experienced workers; some of them come from the professional technical school. When it comes to the education level, seventy percent of the employees at SKF in Jinan have a college degree or above, and thirty percent have a bachelor degree or above.

Powered by people gives voice to emphasize that no matter where in the world, SKF is focused on providing a superior work environment and possibilities for personal growth and professional development. All employees in SKF in Jinan are united by their openness, mutual respect, sense of responsibility and passion for what they do.



Assortment

Drawing on the knowledge engineering of SKF, SKF in Jinan offers standard and specific products and services to support our customers' business growth both in China as well as throughout the entire Asian region. It mainly produces tapered roller bearings and split truck hub units.

Tapered roller bearings

SKF's tapered roller bearings are designed to meet the quality and exceed the performance requirements in applications with heavy combined loads and/or tilting moments. They can enable very stiff bearing arrangements and are easily adapted to local conditions during operations.

Applications

Truck and trailer wheel-ends, gearbox/transmissions, industrial electrical, industrial gearbox, metalworking, off-highway, automotive aftermarket, etc.

Product features

- optimum operating temperature
- high performance even under poor lubrication conditions
- lower level of vibration, lower noise intensity
- longer lubricant life
- high load carrying capacity
- high running accuracy

User benefits

- increased up-time and productivity
- extended maintenance intervals
- reduced operating costs
- reduced energy consumption
- reduced lubricant consumption



SKF Split Truck Hub Unit

The SKF Split Truck Hub Unit is designed to meet the current and future needs of the commercial vehicle industry to raise its productivity through longer service life and reduced maintenance. The unit has a split outer ring enabling a cost effective manufacturing process and testing. SKF in Jinan offers customized solutions which cover a wide range of product performance classes.

Applications

Truck and trailer wheel-ends

Product features

- integrated seals and grease
- less interfaces – accurate preload setting
- stiffer arrangement
- simpler housing geometry possible (through hole)
- efficiently sealed for life

User benefits

- easy, reliable and cost effective mounting process
- longer maintenance intervals
- less downtime and component changing
- increased reliability
- reduced grease leakage
- virtually maintenance free

