



PRODUCT CATALOG

Golden Bearing

Engine bearings for light and heavy vehicles



We are not the first, but we are the best...

Table of contents



04	Company introduction
06	Company policy
08	Technology and production process
09	Polymer bearing production process
11	Laboratory and quality control
12	Features of a good bearing
14	Products
24	After-sales service



■ Company introduction

Company introduction

Talaeie Daran Kavir Zavareh Co. was founded in 1395 (2016/17) to produce one of a car's strategic and key spare parts. After market research and consultation with the country's carmakers, the company decided to build an engine-bearing factory.

Because bearing production is sensitive and complex, negotiations were held with the world's largest manufacturer of bearing production lines, so that the latest generation of fully automatic bearing machinery, together with its know-how and technology, could be purchased and brought into the country.

After the machinery was installed and commissioned by specialists, Phase 1 of the factory went into operation in 1399 (2020/21). With a capacity of 18 million fixed and moving bearings for gasoline-engine vehicles, it stands on about 21,000 square metres of land in Ardestan county, in the Zavareh industrial zone, and its products reached the market under the brand name "Golden Bearing".

Phase 2, with a capacity of 15 million bearings for diesel vehicles, went into operation in 1403 (2024/25); by producing diesel-vehicle bearings, the company also announced its presence in the heavy spare-parts market.

As a young and growing company, Golden Bearing has always put sustainable development first, and to that end it has begun a determined effort to bring in the newest technology and the most up-to-date bearing-production know-how.

2016

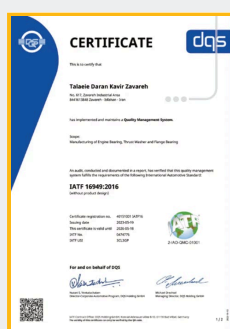


Company policy

To maintain and enhance its standing and reach the position of a leading company in a competitive field, Talaeie Daran Kavir Zavareh Co., a producer of all kinds of bearings for the automotive industry, has designed its quality management system in accordance with IATF 16949:2016 and ISO 9001:2015 and customer requirements.

To achieve the company's highest goals, it has adopted the following principles:

- 01 Maintain and grow domestic and foreign markets by identifying needs and meeting the relevant requirements
- 02 Continually improve product quality and all company activities with the participation of all staff
- 03 Raise staff technical capability and develop a quality culture through relevant training
- 04 Reduce waste in a prioritised way, moving towards zero waste
- 05 Create a safe environment for employees and develop a culture of teamwork
- 06 Motivate and encourage people to reach the organisation's goals
- 07 Deliver products on time, according to customers' needs and requests
- 08 Reduce losses in production and improve productivity, flexibility and the optimal use of production lines
- 09 Build a collective commitment to continual improvement of the quality system at every level of the company



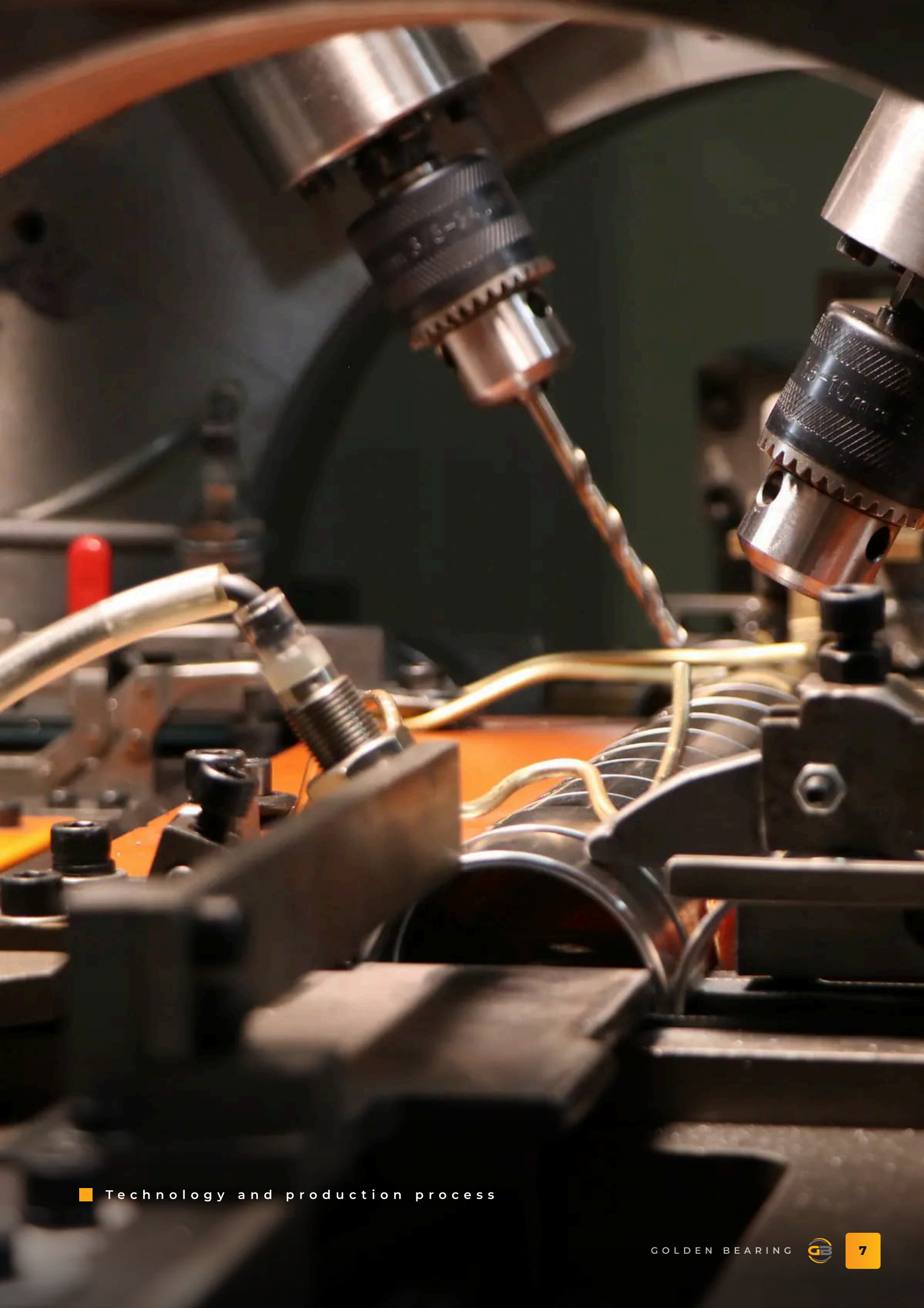
IATF 16949:2016
certificate



ISO 9001:2015 certificate

The company's quality-management-system certificates, issued by DQS (Germany). Scope: manufacture of engine bearings, thrust washers and flange bearings.





Technology and production process

Because of the part's special place in a car engine and its high dimensional accuracy, bearing production is very complex and therefore demands advanced production lines and up-to-date technology and know-how. Talaeie Daran Kavir Zavareh Co. uses the latest generation and most advanced bearing-production machinery in the world which, besides high accuracy and speed, features an automatic quality-control process at five work stations.



An excellent part is the product of:



Modern, precise machinery

The latest generation and most advanced bearing-production machinery in the world



Technology and know-how

Fully automatic lines purchased together with up-to-date technology and know-how



Quality raw materials

Quality-control specialists inspect with great care from the moment raw material arrives at the factory

5

automatic quality-control stations

Polymer bearing production process

A new generation of tough bearings for modern engines

In today's engines, which run at higher pressure, temperature and speed (from turbocharged and downsized engines to start/stop systems), the need for a bearing that can withstand heavy loads, high wear and intense heat is greater than ever.

Using up-to-date technology, Golden Bearing has introduced a new generation of polymer-coated bearings, inspired by technologies used by global brands and produced in Iran to exacting standards.

Polymer coating technology

In this technology the bearing surface is covered with a layer of advanced polyamide that combines three components:

Solid lubricants

Conductive metal particles

Heat-resistant polymers

This unique combination means that:

- 01 Metal-to-metal contact is kept to a minimum
- 02 Heat is transferred evenly
- 03 The bearing keeps its long-term stability under high pressure and temperature

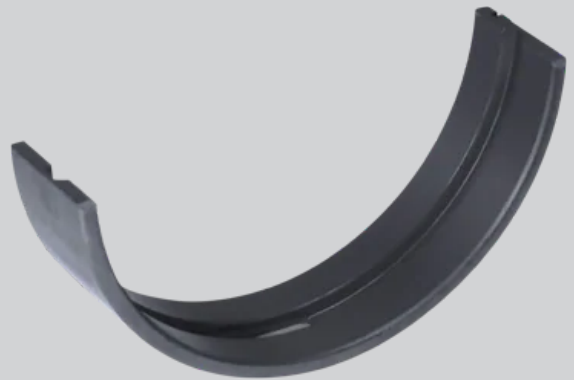
×15

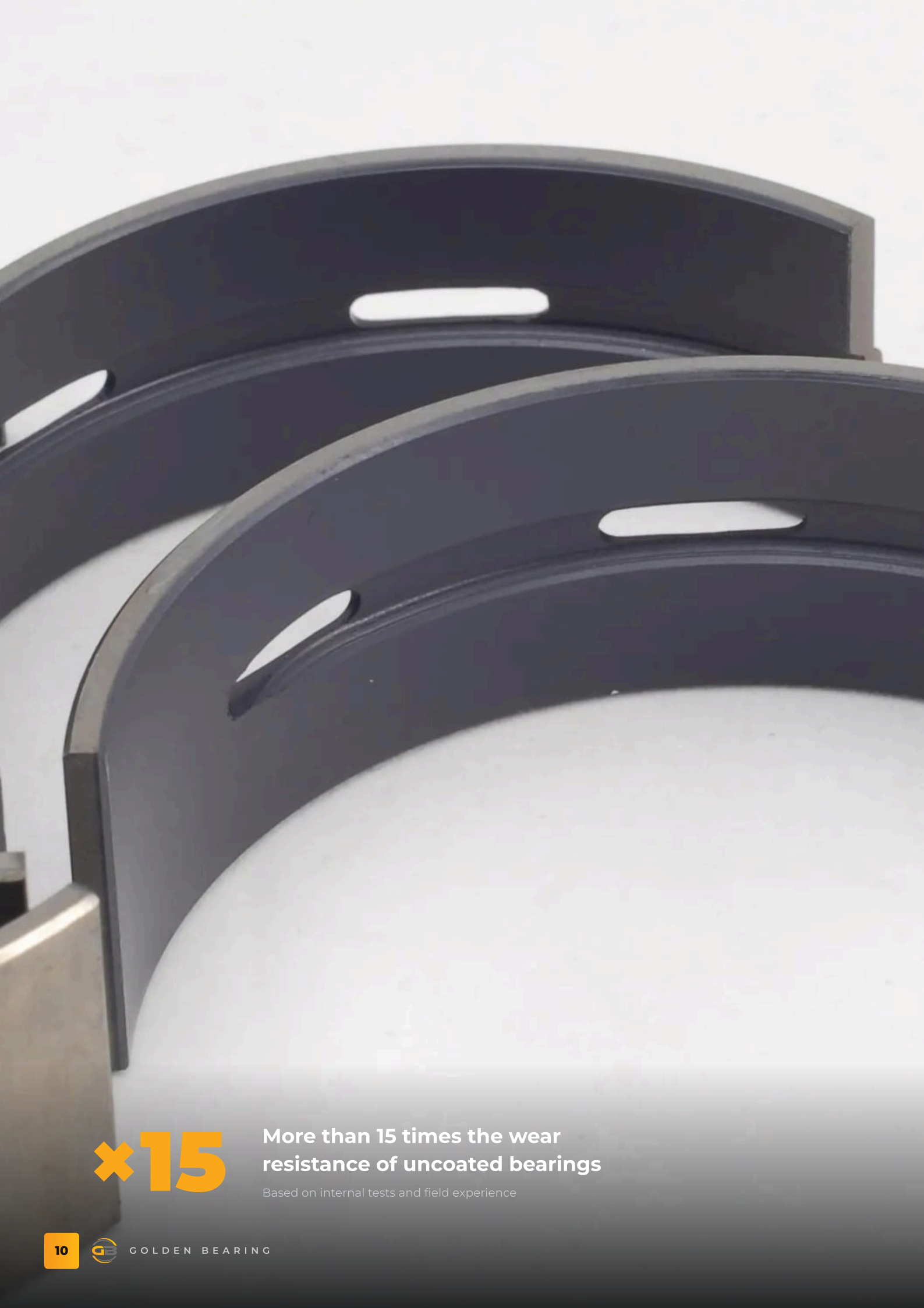
Results and performance

Internal tests and field experience show that polymer bearings have more than 15 times the wear resistance of uncoated models. As a result, the engine runs over time with less friction, a longer life and higher efficiency.

Result: more durability, better performance

Golden polymer bearings are the ideal choice for engines that work under severe conditions, from heavy and industrial vehicles to sport and tuned engines. Wherever pressure and temperature are high, the Golden polymer bearing delivers dependable performance.





×15

**More than 15 times the wear
resistance of uncoated bearings**

Based on internal tests and field experience

Laboratory and quality control

The quality-control laboratory of Talaeie Daran Kavir Zavareh Co. is equipped with modern dimensional-measurement instruments such as a CMM, quantometer, hardness tester, roughness tester and other measuring and control equipment. Together with the experienced staff of the quality-assurance and quality-control units, it is an important backbone for guaranteeing consistent product quality.

Every stage, from the arrival of raw material at the factory through production to the packing of the products, is examined with the greatest care by quality-control specialists.



CMM

Precise dimensional measurement



Quantometer

Material composition analysis



Hardness tester

Part hardness control

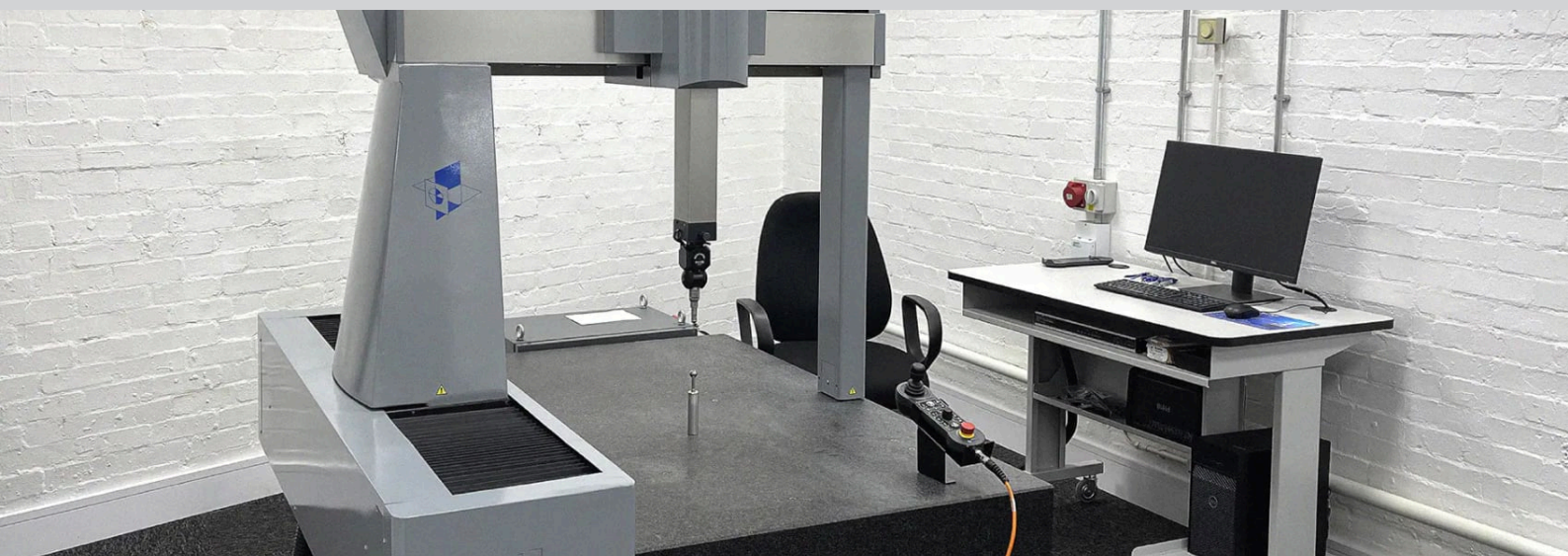


Roughness tester

Surface quality control



The quality management system is designed in accordance with IATF 16949:2016 and ISO 9001:2015 and customer requirements.

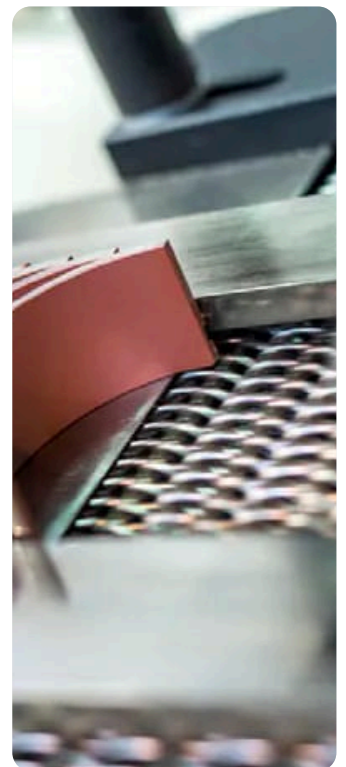
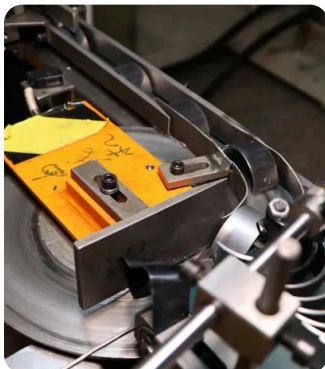
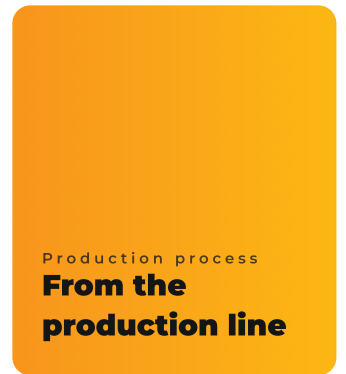
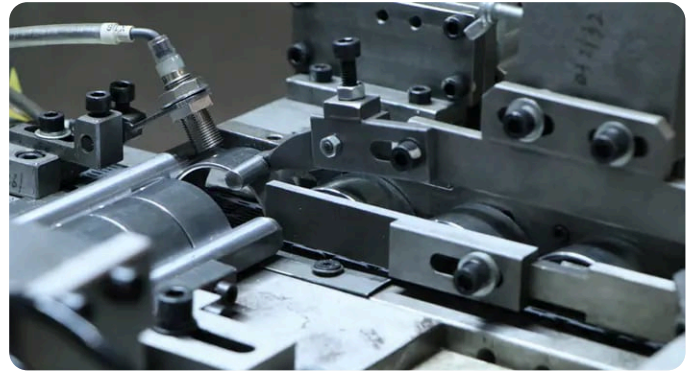
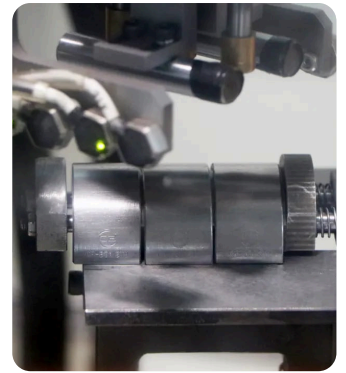


Features of a good bearing

Making an ideal bearing (in terms of material structure) is not simple, because improving one property creates disadvantages in another. In any case, a good bearing must have many properties, which can be summarised as follows:

- 01 Ability to retain oil on the running surface
- 02 Accuracy of dimensions and sizes
- 03 Resistance to load-carrying pressure and to combustion shocks
- 04 Softness and the ability to embed foreign particles
- 05 Fatigue resistance
- 06 Corrosion resistance
- 07 Wear resistance
- 08 Heat conductivity





PRODUCTS

We are not the first, but we are the best...



Products

Fixed, moving and thrust-washer bearings for light vehicles, and fixed and moving bearings, camshaft bushes and connecting-rod bushes for heavy vehicles. Every vehicle group is available in three sizes (five for Peykan & Roa).



Light products

Fixed, moving and thrust-washer bearings for light vehicles

17 vehicle groups



Heavy products

Fixed and moving bearings, camshaft bushes and connecting-rod bushes for heavy vehicles

7 vehicle groups



What does each group include?

Light vehicles: Fixed bearing, moving bearing and thrust washer.

Heavy vehicles: Fixed and moving bearings, camshaft bush and connecting-rod bush.

■ Ask us for the sizes in stock and the supply terms for each group.

Light vehicles

Fixed, moving and thrust-washer bearings for light vehicles



Pride and Tiba

In three sizes

Fixed (main) bearing · Moving (rod) bearing · Thrust washer



Peugeot 405 / Peugeot Pars

In three sizes

Fixed (main) bearing · Moving (rod) bearing · Thrust washer



Peugeot 206 & 207

In three sizes

Fixed (main) bearing · Moving (rod) bearing · Thrust washer



Samand & Dena

In three sizes

Fixed (main) bearing · Moving (rod) bearing · Thrust washer



Tara

In three sizes

Fixed (main) bearing · Moving (rod) bearing · Thrust washer



Ask us for the sizes in stock and the supply terms for each group.

Light vehicles (continued)



Peykan & Roa

In five sizes

Fixed (main) bearing · Moving (rod) bearing · Thrust washer



Xantia

In three sizes

Fixed (main) bearing · Moving (rod) bearing · Thrust washer



Nissan Z24 & Diesel

In three sizes

Fixed (main) bearing · Moving (rod) bearing · Thrust washer



Renault L90

In three sizes

Fixed (main) bearing · Moving (rod) bearing · Thrust washer

Chinese & Korean vehicles

Fixed, moving and thrust-washer bearings for Chinese and Korean vehicles



MVM 530

In three sizes

Fixed (main) bearing · Moving (rod) bearing · Thrust washer



MVM X33

In three sizes

Fixed (main) bearing · Moving (rod) bearing · Thrust washer



MVM 315

In three sizes

Fixed (main) bearing · Moving (rod) bearing · Thrust washer



Jac S5

In three sizes

Fixed (main) bearing · Moving (rod) bearing · Thrust washer

Chinese & Korean vehicles (continued)



Jac J5

In three sizes

Fixed (main) bearing · Moving (rod) bearing · Thrust washer



Lifan X60

In three sizes

Fixed (main) bearing · Moving (rod) bearing · Thrust washer



Hyundai Sonata & Tucson

In three sizes

Fixed (main) bearing · Moving (rod) bearing · Thrust washer



Kia Sportage & Optima

In three sizes

Fixed (main) bearing · Moving (rod) bearing · Thrust washer

Heavy vehicles

Fixed and moving bearings, camshaft bushes and connecting-rod bushes for heavy vehicles



Benz OM355 (10-ton)

In three sizes

Fixed (main) bearing · Moving (rod) bearing · Camshaft bush · Connecting-rod bush



Benz OM314 (Khavar)

In three sizes

Fixed (main) bearing · Moving (rod) bearing · Camshaft bush · Connecting-rod bush



Benz OM352 (911)

In three sizes

Fixed (main) bearing · Moving (rod) bearing · Camshaft bush · Connecting-rod bush



Volvo N10 (old and new)

In three sizes

Fixed (main) bearing · Moving (rod) bearing · Camshaft bush · Connecting-rod bush

Heavy vehicles (continued)



Volvo F12 (old and new)

In three sizes

Fixed (main) bearing · Moving (rod) bearing · Camshaft bush · Connecting-rod bush



Volvo FH

In three sizes

Fixed (main) bearing · Moving (rod) bearing · Camshaft bush · Connecting-rod bush



Perkins tractor

In three sizes

Fixed (main) bearing · Moving (rod) bearing · Camshaft bush · Connecting-rod bush



Ask us for the sizes in stock and the supply terms for each group.



We are not the first, but we are the best...

We will move ahead of our time through effort and systems thinking, and win our customers' trust with excellent products.



After-sales service

Out of regard for its customers' interests, and by drawing on technical know-how and building software infrastructure, Golden Bearing offers special services, including extensive after-sales service and a product authenticity system available to customers throughout Iran. All products made by Talaeie Daran Kavir Zavareh Co. are covered by a comprehensive warranty, and the "After-sales service" department is ready to serve customers.



Service in the shortest time and the fastest possible way



Training and technical consulting on the products and how to install them



Services available everywhere in the country



Replacement part, coverage of labour costs and ancillary parts



Comprehensive warranty

All products made by the company are covered by warranty service.



Product authenticity system

Available to customers throughout Iran.



Check that a box is genuine: enter its 12-digit code at
tdkco.ir/en/verify/



**We listen to our customers
so that we can meet all
their needs in the best
possible way.**

**We believe the smallest part can carry the greatest responsibility.
That is why Golden Bearing did not begin merely with the aim of
making a part, but with a belief: to make a bearing that can be
trusted completely.**





We are not the first, but we are the best...



Scan to visit our website

Golden Bearing

Talaeie Daran Kavir Zavareh Co.

Head office: Zomorod Complex, Unit 9, corner of Zomorod 2 (51) alley,
Robat Sevom Street, Isfahan, Iran

Factory: Plot 617, Zavareh Industrial Zone, Zavareh, Ardestan County,
Isfahan, Iran

Phone: 031-3330

Email: info@tdkco.ir

Website: tdkco.ir

 **+98 902 118 7654**  **@golden.bearing**

Check that a box is genuine: enter its 12-digit code at tdkco.ir/en/verify/