



**BALTIC
BEARING
FACTORY**





ABOUT FACTORY

Baltic Bearing Factory (BBF) is a modern, high-tech manufacturer, founded in **2013** and located in Tallinn, Estonia.

We produce high quality bearing products for various industries: Automotive, Home appliances, Agro, Steel and Mining, Electrogeneration, Construction.

OUR PRODUCT GROUPS ARE:

- Ball bearings
- Spherical roller bearings
- Tapered roller bearings
- Cylindrical roller bearings

Our production and stock facilities are more than **12000 sq.m**

Further to our production possibilities, we can offer customer-specific design and manufacture of bearings on demand from our customer from scratch.

Our regular stock is more than 2000 tons. So we can perform a fast delivery for most popular and demanded designs and variants of bearings.

All quality management and control complies with **ISO 9001:2015**.





PRODUCTION

Manufacturing process at BBF is structured to produce a wide range of bearings.

We use various equipment sets to achieve high performance with our automatic technological chains.

EQUIPMENT:

Automatic processing lines

Automatic assembly lines



Thanks to an extensive production park, we produce wide range of bearings: from miniature to large (up to 1200 mm outer diameter).

The core of our product range are bearings of **electromotive** quality as well as low-noise bearings.

Additional equipment at our factory allows us to produce bearings of accuracy classes **P5** and **P4**.



QUALITY

Roundness tester



Measurements of perpendicularity, alignment and concentricity. The combination of these functions allows a complete analysis of the manufactured part.

The laboratory of the factory has special equipment and universal measuring instruments for monitoring compliance with the parameters of large-sized bearings. The leading specialists control the quality of the acquisition of multi-row radial-thrust bearings.

Vibro CPR Proton-II



Measurement of vibrations of rolling bearings.

The great experience and professionalism of the laboratory personnel allows the factory to guarantee the accuracy of the tests and the high quality of the components, parts and the entire range of assembled bearings.

Hardness tester Constanta K5U



Allows to measure the hardness of large bearings.





QUALITY

In addition to quality control department at the factory, BBF has own special authorised metrology laboratory in Saint-Petersburg, which allows us deeply evaluate different specific parameters of steel.

The laboratory has a full set of measuring instruments and measuring equipment, which perform accurate and high-quality research of all necessary parameters of bearing products.

THE MEASURING EQUIPMENT:

Mobile atomic emission optical spectrometer DFS 100M



The device is designed to determine the concentration of impurities and alloying elements in metals and alloys by the method of emission spectral analysis of the elemental composition.

This particular kind of measurements we perform at our branch in Saint-Petersburg.

Horizontal optometer ICG-1



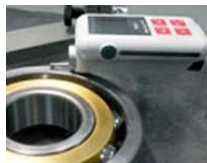
It allows to measure with high accuracy the landing diameters of bearings, also parameters of cylindrical and roundness.

Inductive system with M-025 converter



Runout friction control and measurement.

MarfSurf Profilometer



It allows to determine the quality of processing parts to obtain a surface profilogram and determine 24 parameters of roughness.



PRODUCTS

OUR PRODUCTS UNDER SZPK BRAND ARE:

Ball bearings
Spherical roller bearings
Tapered roller bearings
Cylindrical roller bearings
Sleeves
Housings

ON-LINE www.bbf-eu.com

Full catalogue

Catalogue for download

Product sheet

Instant search includes all parts
of designation in both ISO

The screenshot displays the BBF website interface. At the top, the BBF logo is on the left, and contact information (+372 604 30 39, Hoidla tee 4a, Maardu, 74115, Harju maakond, Estonia) is on the right. A navigation bar includes links for Catalog, Production, Tenders, Quality control, News, and Contacts. The main content area is titled 'Product catalog' and lists various bearing types under 'Bearings'. A table of 'Deep groove ball bearings' is shown, with columns for ISO, Designation of GOST, Inner diameter (d, mm), Outer diameter (D, mm), Width (height) (B, mm), and Weight (m/kg). The table lists three bearings: 6000, 618/3, and 618/4. Below the table, there are links for 'Download catalog' and 'Download certificate'. A search bar is visible, and a search result for '6906' is shown, displaying the bearing's ISO and GOST designations, inner diameter, outer diameter, width, weight, and Russian standard.

Deep groove ball bearings

ISO	Designation of GOST	Inner diameter (d, mm)	Outer diameter (D, mm)	Width (height) (B, mm)	Weight (m/kg)
6000	100	10	26	8	0,0190
618/3	1000083	3	7	2	0,0003
618/4	1000084	4	9	2,5	0,0007

Bearing ISO 6906 2RS / GOST 1080906

[Download catalog](#)
File size: 26 M6.

[Download certificate](#)
File size: 1 M6.

ISO	6906 2RS
GOST	1080906
Inner diameter (d, mm)	30

Search products

Designation of GOST	Inner diameter d (mm)	Outer diameter D (mm)	Width B (mm)	Weight m (kg)	Russian standard	ISO
1080906	30	47	9	0,0520	7242-01	6906 2RS
1103006	30	47	9	0,0520	8882-75	6906 2Z



REFERENCE LIST

Our portfolio includes deliveries to more than 1,500 clients from various industries in the CIS countries, Asia and Europe.

AUTOMOTIVE INDUSTRY:

KAMAZ, GAZ, MAZ



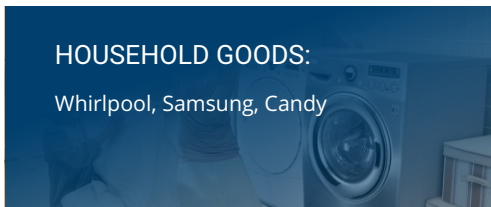
STEEL AND MINING:

ArcelorMittal, Severstal, Nornikel, MMK



HOUSEHOLD GOODS:

Whirlpool, Samsung, Candy



ELECTRO:

SEW-EURODRIVE



AGRO:

Minsk tractor works



OIL AND GAS:

GazpromNeft shelf, Sibur



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