



HIGH-PRECISION BALL BEARINGS

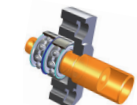


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Products



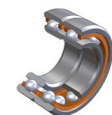
Bearing units

- pre-assembled units
- consist of one or more ball bearings, shafts or housings



Spindle ball bearings

- single row angular contact ball bearings
- subjected to both radial and (in one direction) axial loads.



Duplex bearings

- two matched bearings that resist higher load capacity.



Profiled rollers

- double-row ball bearings with profiled outer ring
- accept axial loads in both directions, as well as high radial loads



Thin-section bearings

- roller bearings with very thin ring cross sections



Hybrid and full ceramic ball bearings

- particularly suitable for applications in mixed friction range



Special bearings

- customized solutions



Axial bearings

- available with or without raceways
- receive axial loads only in one direction
- consist of two bearing discs and a ball-retaining cage



Coated bearings

- for applications that are exposed to extremely high or low temperatures, ultra high vacuum, or in close proximity to optical systems

High precision from GRW

We can do even better - just challenge us!

Our sales engineers will be happy to advise you.
We are looking forward to your call:

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THE SMALL ONES



**Powerfull performance
in precision size.**



HIGH-PRECISION BALL BEARINGS



HIGH-PRECISION BALL BEARINGS



HIGH-PRECISION BALL BEARINGS

High standards for small dimensions



Headquarter & production site
Rimpf, Germany

There is no question about it: precision performance creates tremendous opportunities. GRW high-precision ball bearings with a bore of 1 to 35 millimeters and an outer diameter of 3 to 47 millimeters perform critically important functions all from the power of their minute sizes.

GRW's tiny bearings stand like giants in their ability to meet the world's increasing demand for maximum performance in minimum space.

Choose GRW as your precision partner. We design and manufacture high-precision miniature and small ball bearings, both as individual system solutions and standard ranges – whatever your need for precision, GRW is there.



Direct sales office
Draper, Utah

Direct sales office
Sandston, Virginia



customized

SOLUTIONS

Small bearings do great!

The 20 million variations of miniature ball bearings that we produce are used wherever highest levels of precision and functionality are needed in a confined space.

The high-precision miniature ball bearings of GRW can be found in:

- **Aviation and defense**
(satellite systems, navigation instruments, vision systems, etc.)
- **Dental and medical applications**
(turbine / straight and contra-angle handpieces, medical pumps, etc.)
- **Food industry**
(can making machinery, bakery production, etc.)
- **Instruments**
(wind speed measuring, encoders, etc.)
- **Machine tools**
(measurement and control technology, industrial spindles, etc.)
- **Vacuum applications**
(chip-production, laser-optic, coating, analysing, etc.)
- **Leisure time**
(inline skates, pool pumps, model jet turbines, etc.)