

## Thin Section Bearings

For many applications, space limitations mean the size of bearings and bearing systems is of great importance. Thin section bearings are often a suitable solution in these situations.

Thin section bearings are special, high precision ball bearings which have smaller widths and heights than conventional bearings. They are very quiet and can reach high load capacities whilst requiring the minimum of space.

Thin section bearings from Hqw Precision are available in different series, making it possible to select a bearing of larger cross-section and higher load capacity without changing the shaft diameter.

### Bearing Specifications:

- Ring materials: chrome steel (e.g. 100Cr6), stainless materials (e.g. X65Cr13) or highly corrosion-resistant material (X30CrMoN15-1)
- Bearings with light contact seals (LLH), non-contact seals (LLB), full contact seals (LLU), double shields (ZZ) or special seals are available
- Available with oil or grease lubrication. Also available dry
- Customised bearings with special tolerances for dimensions and clearance can be produced
- Designs for low friction or high load ratings (full complement, double row) are possible

### Typical Applications:

- Industrial precision robotics
- Positioning systems
- Medical systems
- Optical systems
- Measuring systems
- Packaging industry
- Aerospace



Thin Section Bearings from Hqw Precision



Thin section bearings are often used in industrial robotics applications due to their compact design.

[www.hqw.gmbh](http://www.hqw.gmbh)

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