

10. CYLINDRICAL ROLLER THRUST BEARINGS

ROLLING BEARINGS

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TABLES:

10.	CYLINDRICAL ROLLER THRUST BEARINGS
10.1.	Cylindrical roller thrust bearings

INTRODUCTION:

10. Single-row and double-row (single-direction) cylindrical roller thrust bearings

10.1. Dimension series

- **811.. 812..** - single-row, single-direction
- **893.. 894..** - double-row, single-direction

10.2. Structure and features

The structure of these bearings is similar to the structure of thrust ball bearings. They are detachable, consist of three separate parts, a cage with rolling elements and two rings – washers, inner and outer.

Both single-row and double-row cylindrical roller thrust bearings are single-direction bearings.

The features of these bearings are similar to that of thrust ball bearings.

Load capacity parameters are higher and rotational parameters slightly lower. Application results directly from these differences.

10.3. Division into individual parts, designation and symbolic representation

- **K811.. K812..** - single-row cylindrical roller thrust assembly – small cage with rollers
- **K893..K894..** – double-row cylindrical roller thrust assembly – small cage with rollers
- **WS811..WS812..** – inner ring (811), washer (812)
- **WS893..WS894..** – inner ring (893), washer (894)
- **GS811..GS812..** – outer ring (811), washer (812)
- **GS893.. GS894..** – outer ring (893, 874), washer (894)

10.4. Cages

The cages of cylindrical roller thrust bearings are made of polyamide or steel, exceptionally of brass.

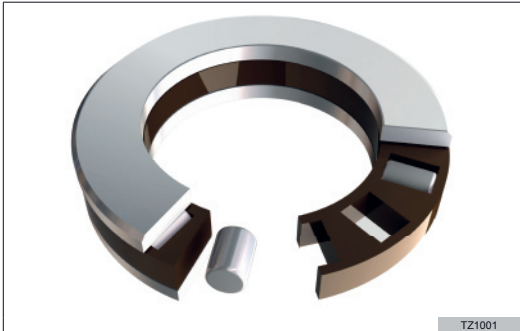


Fig.37 Single-row single-direction cylindrical roller thrust bearing