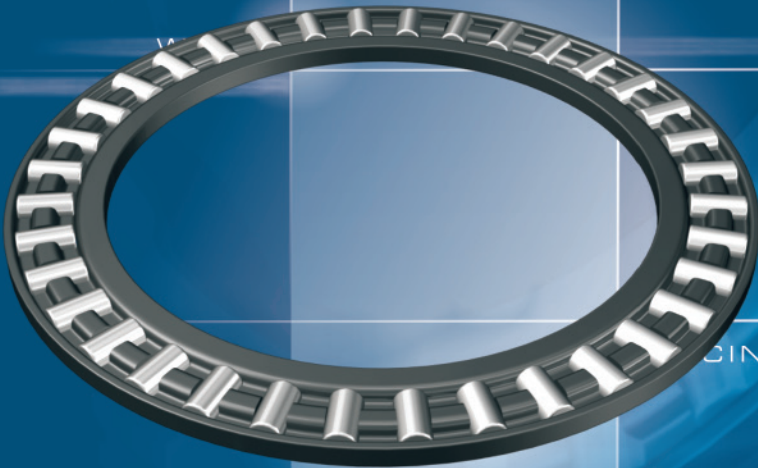


11. NEEDLE ROLLER THRUST BEARINGS

ROLLING BEARINGS

ŁOZYSKA TOCZNE



CINETTI

SKA TOCZNE

ŁOZYSKA TOCZ

TABLES:

11.	NEEDLE ROLLER THRUST BEARINGS
11.1.	Thrust needle roller and cage assemblies - AXK

INTRODUCTION:

11. Thrust needle roller and cage assemblies - AXK

11.1. Dimension series

- **AXK..** – Thrust needle roller and cage assemblies - AXK
- **AS.. LS..** – mating rings
- **GS811.. WS811** – alternative mating rings

11.2. Structure, features and application

As far as their structure is concerned they are deceptively similar to 811-series cylindrical roller bearings, but in this case needles are the rolling elements. Depending on constructional needs AXK needle thrust cages are available separately, then interacting with appropriately made machine's elements or with special, alternative mating rings. Rings are chosen according to construction requirements, demanded parameters for load carrying capacity and amount of space available for bearing mounting. 811-Series cylindrical roller thrust bearings' rings are implemented here as alternative i.e. WS811.. and GS811..

Needle roller thrust bearings and needle thrust cages are characterized by the minimal cross-section among all types of thrust bearings, what allows to implement them wherever there is very little space for mounting a bearing. Needle roller thrust bearings' cages are usually made of steel, but cages made of thermoplastic material (TN mark behind the symbol) are also available.

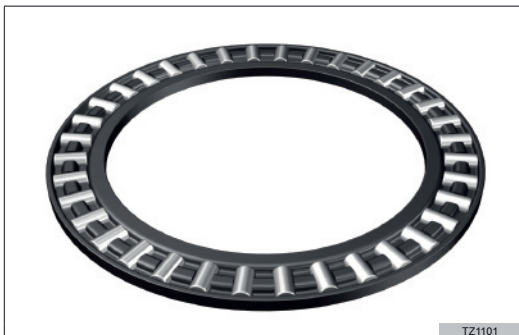


Fig.38 Needle thrust cage

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