19. SNAP RINGS

PIERSCIENIE OSADCZE

OUTER AND INNER SNAP RINGS

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TABLES:

INTRODUCTION:

19. Snap rings

19.1. Designations

- **SEG_Z –** outer rings, for shafts with a groove
- **SEG_W** – inner rings, for bores with a groove
- **SW** – expanding ring without fastening holes
- **SP** – snap plates for radial mounting

Behind the ring symbol rated the size of the shaft or the housing is quoted, where the ring has been mounted.

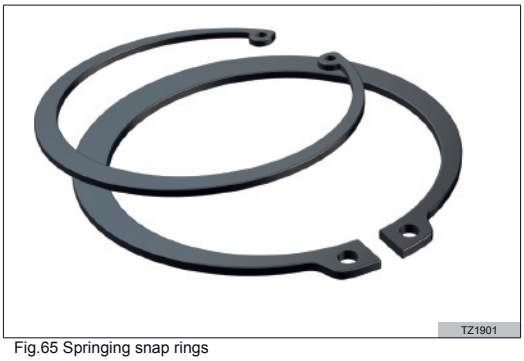

Fig.65 Springing snap rings

19.2. Basic features

Springing snap rings have diameters ranging from 5 mm to 500 mm, off-centre shape and evenly press down the surface of the groove with their whole circumference. They carry only axial load.
They are mounted and dismounted axially by means of special pliers, which use bores at rings' ends.

19.3. Expanding rings

They feature the smallest radial elasticity among all snap rings. They are mounted axially on shafts with grooves by means of pliers. They are mainly implemented for securing needle bearings. Key feature is the lack of fixing bores and centric shape (not off-centre).

19.4. Springing snap plates

They are used wherever mounting of rings in the axial direction is not possible, e.g. on account of former bearing mounting of the shaft or its length. Used with small-diameter mandrels. They feature specific shape (radial shape with three symmetrical tongues in the centre).