

# Instructions for use - mandrels for handpieces HP

## Josef Ganter Feinmechanik – Inh. R. Müller GmbH

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 **Pay attention to the instructions for use**

### Range of application

Mandrels for holding elastic burnishers, paper discs, nylon discs, diamond-coated discs, cut-off discs, circular saws, felt rolls, sandpaper stripes and brushes.

### Sterilization

JOSEF GANTER mandrels are non-sterile and designed for multiple use. They must be cleaned and sterilized prior to each use. The manufacturer recommends sterilization with hot air or autoclaving at 134°C temperature, 3 bar pressure for 5 minutes. Devices must be dried for a minimum of 15 minutes. Store to maintain sterility until used. Care must be taken that no parts are lost or misplaced during reprocessing.

### Security and storage instructions

- Always wear protective glasses.
- Stop using damaged mandrels (e.g.: damaged galvanic coating, screw cannot be tightened adequately, mandrel does not run true)
- Use mandrels with screw only for right-hand rotation and always with a washer.
- Operate with moderate pressure (max. 3 N).
- Make sure that the tool is well-balanced to prevent the mandrel from breaking. Balance unbalanced tools under low speed before operation.
- Avoid sudden changes in rotational speed.
- Do not exceed the speed which is recommended for the specific tools (grinder, burnisher, etc.)
- Only mandrels for angle piece (RA) are allowed to be used invasively. For patient safety, they should be made of surgical stainless steel.
- Secure RA and FG mandrels over the entire length of the cylinder/shank.
- Do not use JOSEF GANTER mandrels with larger and / or heavier tools than those listed below.
- The mandrels should not be stored in a humid environment (corrosion). This is also valid for rustless mandrels.
- These mandrels shall only be used by well-qualified personnel.

### Maximum permissible revolutions per minute

Article	maximum removing length of work piece	Discs to max. Ø 10 x 2 (< 1 g)	Discs to max. Ø 22 x 1 (< 1 g)	Discs to max. Ø 22 x 3 (< 3 g)	Discs to max. Ø 38 x 1 (< 3 g)	Moore-Discs max. Ø 15 (< 1 g)	Burnishing pins length max. 23mm	Sand paper stripes	Felts and burnishers max. Ø7x 25mm length (< 3 g)
303 HP	25 mm	20.000	20.000	10.000	-	-	-	-	-
303 ½ HP	25 mm	20.000	-	-	-	-	-	-	-
304 HP	25 mm	20.000	20.000	10.000	-	-	-	-	-
303/8 HP	25 mm	15.000	15.000	10.000	5.000	-	-	-	-
304/8 HP	25 mm	15.000	15.000	10.000	5.000	-	-	-	-
313 HP	25 mm	-	-	-	-	20.000	-	-	-
308 HP all types	30 mm	-	-	-	-	-	-	15.000	-
320/2 HP	25 mm	-	-	-	-	-	20.000	-	-
320/3 HP	25 mm	-	-	-	-	-	20.000	-	-
320/4 HP	25 mm	-	-	-	-	-	15.000	-	-
320/5 and 6 HP	25 mm	-	-	-	-	-	10.000	-	-
301 HP all types	25 mm	-	-	-	-	-	-	-	10.000
310 M and N HP	25 mm	-	-	-	-	-	-	-	10.000