

Operating and use instructions PZ - Tooth Grinding

Dear Customer,

thank you for choosing our PZ tooth grinding. We are always looking to improve our products and look forward to your review and suggestions.

Warranty

PZ-tooth grinding are made from high quality stainless steel materials and controlled using the latest 5-axis CNC machine tools. We offer a 2 year warranty on every tooth grinding except wear parts such as bearings and gears.

Note: Opening the machine and the use of diamond grinding tools do not match the type of factory-supplied leads to the immediate loss of warranty.

Maintenance and care

The diamond tool should be cleaned more often during treatment with a damp brush to get the grinding action. Enamel is the granularity of the disk, causing otherwise only frictional heat. (Fig. 1)

The PZ-tooth grinding machine is **not** to put **into** the water, or **not** to clean **in** the water! Lubricate the machine after completion of the dental treatments of the day from using the supplied grease and grease tube at the front grease nipple. Approx. 3-4 shocks are sufficient for this purpose. Only use Lubri-film Grease. (Fig. 2)

For wheel change you please turn the lock washer that you see about 3 inches below the grinding wheel, as far as visible to a bore. Plug in the supplied wrench into this, so you can lock the transmission. Now turn with a needle nose pliers remove the abrasive counterclockwise (leftside). For fixing it is enough to turn the grinding wheel with your hand. (Fig. 3)



Fig1



Fig2



Fig3

PZ - tooth milling machine and - bore milling machine are oiled with the supplied Ballistol Oil on the recording of the bur, and the drill-cutters.

Exchange of the drive shaft or of the protective tube

Flexible drive shafts are exposed to very high centrifugal and frictional forces.

To keep it as low as possible it's best to ensure that the drive shaft enters as straight into the machine. If possible, avoid bends or kinks in the shaft!

Please pay attention to a large radius of the shaft with protective hose while working.

Radii that are too narrow cause friction, heat and damage to the shaft and outer shell.

Also chewing Horses are often a reason for broken drive shafts, as they block the grinding for a short time and thus cause the winding shaft.

Please check the sedation and open the horse mouth speculum wide enough.

Check before starting work and clip the ball on the receiving side of the machine, if needed, the clip must be readjusted to ensure a secure hold of the drive shaft.

To move the drive shaft is mounted with a screw on Makita motor on the receiving mandrel (*fixing on the flat side*). At the same time it is possible to move the shaft on the mandrel. (Fig. 1)

The plastic connector serves to protect against the rotating mandrel, and for securing the protective tube. Also, the protective tube can be positioned in the plastic adapter are different (Fig. 2).

Specificity of plastic connector is his LEFT HAND THREAD connection to the motor.

This connector also has a protective function when the engine falls: it protects the drive spindle motor.

To ensure safe driving, the drive shaft must (as indicated in Figure 3) can be set.

If this measure should not be complied with, a secure connection between tooth grinding and drive shaft isn't given! This can lead to personal injury caused by the rotating drive shaft, it certainly destroys the inclusion in the machine and also the wave itself.

When changing the flexible drive shaft, it must be greased at points over its entire length with Lubri grease before being threaded into the protective hose.



Fig1



Fig2



Fig3

Wave to short: setting on drive motor

Shaft is too long: and setting the protective tube on plastic connector.

Always be on your safety:

- v - Wear a dust mask when treating
- v - Wear safety glasses when handling
- v - Apply in treating ear protection
- v - Apply in treating a hairnet

To prevent overheating of the motor should run this occasion full speed, so that the fan wheel can achieve its cooling capacity.

We wish you much joy in your work with the PZ –grinding machine

Your Team PZ