



## Product name : MANI DIA-BURS



READ THE INSTRUCTION BEFORE USE

NON STERILE

**Before using the MANI DIA-BURS, please see the instruction manual as indicated below.**

### <Warnings>

1. Only skilled dentists are allowed to use.
2. Be sure to sterilize this product for each use.
3. Do not use this product except for the dental service and treatment. Use it in accordance with the intended use.

### <Contraindications and prohibitions>

1. Do not use this product for a patient who indicates sensitization and allergic reaction.

### <Structures and principals>

1. This product is used by connecting to dental handpiece and rotates to grind hard materials and tissues etc.. It is the dental diamond burs with stainless steel shank and non-sterile instrument.
2. Main materials
  - 1) Metal base :Stainless steel (including nickel and chromium)
  - 2) Working part: Fine diamond crystals attached to metal base(including nickel and chromium)
  - 3) Shank : Stainless steel (including nickel and chromium)



※Above image is one example among many.

### <Purpose of use and effect-efficacy>

This product has a stainless steel working part which is coated with fine diamond crystal. It is defined as the rotary grinding instruments for hard tissues such as tooth and bones. It is used connecting with dental handpiece. It can also be used for grinding metal, plastic, porcelain and other hard materials.

### <Specifications>

No diamond spalling must be found by a loupe after bending electroplated part at 90 degree.

### <Method of manipulating or method of use>

According to its intended use, choose the most appropriate MANI DIA-BURS and use it for grinding hard tissues etc..

### Possible Combinations with a dental handpiece

1. Use a dental handpiece which can hold the shank precisely.  
(Diameter of Friction grip shank:  $\phi$  1.6mm)  
(Diameter of Contra Angle shank :  $\phi$  2.35mm)\*
2. Use a handpiece which could control at allowable engine speed.
3. Use a handpiece with water spray system.

### <Precautions for use>

1. To prevent infection, sterilize the product by autoclave and make sure sterilization is completed before using.
2. Use with "feather touch" and keep the allowable engine speed strictly as over speed could cause fractures and injury (※1)
3. Follow the instructions of a handpiece manufacturer strictly and insert the shank all the way to avoid its half-way chucking.
4. The handpiece should be used in accordance with its instructions.
5. Choose the most appropriate type for each case and follow the general method.
6. Before using, run the instruments outside of oral cavity to make sure that there is no distortion.
7. Before using, make sure the instruments outside of oral cavity that there are no deformations, scratches, cracks and tarnishes.
8. If a head of this product is thin, long or large, there are possibilities for breaking or twisting. Because of this, be sure to avoid using unreasonable angle and excessive pressure.
9. Use with water spray system.
10. Wear safety glasses to protect your eyes from damage. Also, wear a dust protective mask to prevent inhaling dust.
11. Wear rubber dam etc. to avoid accidental ingestion and falling.
12. Do not use this instrument for any purposes except for listed applications above.
13. Only for use by dentists.
14. This product should be treated as medical waste when disposed.
15. Dispose this product if damaged or contaminated.

16. After using, wash it with medical cleaning agent and brush, then wash away foreign substances such as adherent body fluids and body tissues.
17. Set the product to a stand when cleaned by ultrasonic cleaner to avoid working part deterioration.
18. Use this instrument with great care to avoid puncturing fingers because of its possession of sharp-edged part.
19. This product has possibility that be corrosive if sunk into NAOCL, EDTA and etc. for a long time.\*
20. Handle this product with great care because this product has possibility of sparking when cutting all ceramic restorative materials such Zirconium.\*\*  
(※1) See package label for each allowable engine speed.

### <Storages and duration of use>

1. Avoid storing at high temperature, humidity and direct sunlight. Keep liquids away. Store it at room temperature.
2. Do not damage or make a pinhole to packaging materials.
3. The product is subject to be improved without previous notice. Enforce the first-in first-out method for stock management.
4. Do not store the product under a germicidal lamp to avoid deterioration.

### <Maintenances and inspections>

1. Sterilize this product by autoclave under established method and term for each use.\*  
Method of sterilization:  
Put this product in a sterilization pack(or foil) and place it on a sterilization tray, or burs stand for autoclave sterilization with reference to the following terms.\*  
Terms for sterilization:  
term(1) temperature: 121degrees Celsius time: 20 minutes or more  
term(2) temperature: 126degrees Celsius time: 15 minutes or more
2. Do not use high pressure steam sterilizer which heats more than 200 degrees Celsius including drying process.
3. When reusing the instrument, wash away foreign substances completely and sterilize.\*\*
4. Regarding use of medical cleaning agent, follow the instruction manual by its manufacturer strictly.
5. Dispose the products if damaged or decreased performance.

### <Packagings>

Minimum packaging unit of blister pack : 5pcs./sheet\*  
Special packaging : quantity is listed on the package label

### <Legal manufacturer >

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### <EU representative >

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- ※ Always keep this document near at hand. In case of loss, please contact dental department of the manufacturer for a copy.
- ※ The specifications, structures and materials are subject to be changed without previous notices for the demands of improvement.
- ※ The contents of this instruction manual are subject to be revised without previous notices.
- ※ \* and \*\* mark indicate revised point.