Description:

The RossBar prosthetic accessories of PM ITALIA Srl are a solution of bars and rings to be bonded to abutments for intraosseous implants for the reconstruction of bridges or dental arches.

Materials:

All the materials used are of quality and comply with the relevant standards. RossBar prosthetic accessories are made of materials supplied by qualified companies that comply with international reference standards. All the materials used guarantee a high degree of biocompatibility; all the devices are made of Grade 5 titanium with the exception of the shaped sleeves that are made of titanium grade 2 to facilitate their modeling. The prosthetic components are sold in non-sterile packaging. However, it is recommended to open the packaging in an aseptic environment and possibly above countertops and disinfected or sterile surfaces.

Indications for use:

The RossBar prefabricated prosthetic accessories are functional to the creation of solid structures for prosthetic reconstruction both with the intraoral welding technique and with the gluing technique.

Contraindications:

The use of RossBar components made of titanium does not have any special contraindications. The user must refer directly to the Dental Equipment User Manuals for the application of the same. There are some contraindications generally provided valid also for the following prosthetic reconstruction such as:

- presence of chronic and acute infectious diseases,
- systemic diseases, chronic acute subcutaneous maxillary osteitis
- diseases that involve microvascular disorders.

In general, the use of RossBar prosthetic accessories in patients who are not willing to collaborate and who abuse drugs and alcohol with poor oral hygiene is not recommended.

Instructions and methods of use:

Before insertion into the mouth, all prosthetic accessories must be thoroughly cleaned and sterilized. If the components are to be disposed of after use, by conventional means, it is necessary to clean and sterilize them again.

RossBar prosthetic accessories are disposable, this allows to reduce the risk that potential mechanical damage, due to previous uses, may compromise the implant-prosthetic rehabilitation work.

RossBar prosthetic components are devices that can be assembled together to create titanium supporting structures for temporary or definitive bridges to be applied to dental implants.

Eyelet with sphere: proposed with eyelet hole diameter 3.8 and 4.2 mm;

Eyelet with pin: available with a 2 or 4 mm long pin, both in the variant with a 3.8 or 4.2 mm hole;

Eyelet with tube: device with preassembled sleeve proposed in a single length of 8 mm, both in the variant with a hole of 3.8 and 4.2 mm;

Eyelet with lamellar or hemicylindrical extension: eyelet with fin to extend the structure at the back of the arch or for the construction of welded structures;

Smooth or knurled tube: hollow cylinders for assembly;

Moldable tube: hollow cylinders for assembly, shaped with a special tool;

Knight with abutment or sphere: accessory to be positioned on the overdenture prosthetic sleeve;

Rotary abutment or abutment: straight abutment compatible with Branemark implant;

Prosthetic screw: connection screw for abutment coupling with implant.

The eyelet components with ball or pre-assembled stabilizing pin (chosen according to the distance between the implants) must be inserted on the straight abutment and joined with a special connecting tube. The eyelet is designed to be potentially compatible with all BRANEMARK or compatible original 4.1 mm straight platform abutments available on the market. The connecting sleeves are available in different lengths to be joined to the balls or to the pins to complete the modular structure. The eyelets have been designed also with fins, sized to guarantee the intra oral bonding of the coupled elements and to obtain rigidity in the structure to be realized as a base of the dental prosthesis. The use of RossBar prosthetic accessories makes it possible to create custom-made prostheses that can be modeled to the individual clinical case. The choice of the components and their position on the body of the prosthetic abutment is decided according to the clinical situation, irregular ridges, more or less thick tissues, positioning of the implants with different inclinations. The proposed range allows to create a uniform frame and a correct alignment for gluing or welding in different situations.

Deadline:
There are no particular storage conditions even if it is always preferable to keep in a cool and dry place and do not expose the product to direct sources of heat or sunlight.

**Cleaning and sterilization of the product:**

The cleaning and sterilization processes are intended to safeguard the health of patients and staff working in the study.

**Cleaning:** can be done manually with hot water and a special non-corrosive neutral detergent, using plastic or nylon brushes (never use metal toothbrushes) to remove any residues from the work. The manual washing operation is effective if performed with the utmost care. Cleaning can also be carried out in ultrasonic tanks in a faster and safer way by totally immersing the devices in the washing liquid and following the times recommended by the manufacturer of the appliance.

Replace the washing solution at the time limits recommended by the manufacturer. After the ultrasonic treatment, rinse thoroughly to remove the washing solution. Immediately after rinsing, before sterilization, inspect and dry.

**Sterilization:** first of all, remember that sterilization does not replace cleaning. Sterilization is a process that eliminates microorganisms and must be carried out with the utmost care after cleaning. The most common and effective sterilization methods are as follows:

- **Autoclave:** the devices are treated with high pressure steam.
  - Time: 20 minutes at a temperature of 134 ° C (270 ° F).
  - Sterilizing liquid: distilled water.
  - Always follow the instructions provided by the manufacturer of the equipment.

**Disposal:**

Before disposing of the used tools for the conventional ways, it is advisable to clean and sterilize them.

PM ITALIA Srl
Via Bizzarri, 31
40010 Sala Bolognese (BO)
CF and PI 03446781209
Tel 051-6469191 - Fax 051-6469191
info@pm-italia.com - www.pm-italia.co