

Dalla Bona / ORS Procedures

The following procedures begin after the tissue has healed, following the second stage surgery. Please review the clinical and technical procedure, for preliminary protocols.

INCORPORATING ATTACHMENTS INTO NEW DENTURES:

Phase 1: CLINICAL

1. Remove healing caps and measure the tissue depth from the occlusal aspect of the implant to the crest of the tissue (A). Replace healing caps. Order the appropriate size Dalla Bona or ORS attachment for each implant site. Please include the implant name and diameter as well as the tissue depth.

Phase 2: CLINICAL

1. After receiving and inspecting the components, autoclave/ sterilize the titanium males.
2. Remove healing caps and attach the Dalla Bona or ORS titanium males with the BIO-TORQ Socket & OD Tip or BIO-TORQ Wrench. (B)
3. Take an impression with titanium males in place. Remove males and replace healing caps.

Phase 3: TECHNICAL

Laboratory Processing:

1. Insert the enclosed brass analogs into the impression and create a master model. The analogs can be reduced in length if necessary. We recommend that the analogs be secured in the impression with cyanoacrylate before the model is poured.
2. Block out around male analogs and fabricate bite block.

Phase 4: CLINICAL

1. Take bite registration. Send model, bite registration and female elements to dental technician.

Phase 5: TECHNICAL

2. Review the master model and mount in an articulator. Set up teeth or seat the preliminary set-up (also called the Temporary Set-Up or TSU) on the master model.

Phase 6: CLINICAL

1. Try in set-up, modify as necessary. Send model, set-up, instructions and female elements to dental technician.

Phase 7: TECHNICAL

1a. Dalla Bona Processing:

Invest the set-up and boil out the wax. Place the titanium, gold or plastic females. Use Rubber-Sep (Liquid Latex) or plaster to block out space between bottom of females and tissue (C). Try to close the flask. If it does not close completely, check for interference with the prosthetic teeth and grind the teeth as necessary. Pack and cure the denture. Do not trial pack. Finish the denture, taking care not to damage the females. Do not remove the plastic PVC ring around the gold or titanium females.

1b. O-Ring System Processing:

Invest the set-up and boil out the wax. Place the gold plated retainer rings containing the O-Rings over the male analogs. The beveled, more open side of the retainer ring is oriented over the analog. Use Rubber-Sep (Liquid Latex) or plaster to block out the space between the bottom of the retainer ring and the tissue. The top of the male analog should also be blocked out (D). Try to close the flask. If it does not close completely, check for interference with the prosthetic teeth and grind the teeth as necessary. Pack and cure the denture. Do not trial pack. Finish the overdenture taking care not to damage the retainer rings. Replace the red O-Rings with the white final O-Rings.

2. Check the function of the attachments, and return the finished denture to the dentist.



Note: You may incorporate a small metal frame to strengthen the overdenture. This is especially indicated for maxillary overdentures with an open rugae and palate.

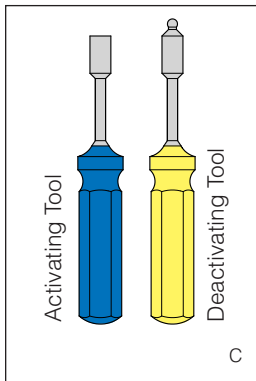
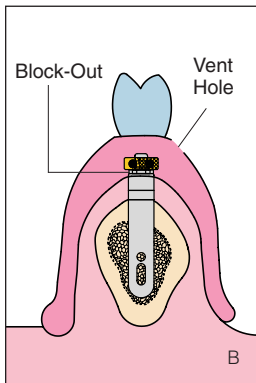
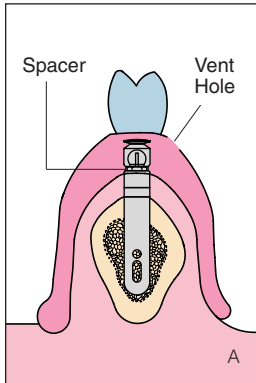


Dalla Bona / ORS Procedures

continued

Phase 8: CLINICAL

1. Check the prosthesis. Call the technician immediately if there are any questions. Let the technician know how well you like the work. (We all appreciate compliments once in a while, and this will only benefit your business relationship).
2. Try-in the implant partial denture or overdenture. Check for sore spots and adjust the occlusion if necessary.
3. Activate or deactivate the DBS Attachments; do not provide too much retention.
4. Record the attachment name and order number in the patient's file.
5. Recall the patient within 24-48 hours to check for any necessary adjustments. Any removable appliance should be checked periodically for relines.



ALTERNATIVE PROCESSES

Alternative Process #1

Processing Female elements at chairside into existing denture:

DIRECT PROCESS TO EXISTING DENTURE:

1. Screw male elements of appropriate length onto implants. Create adequate space in overdenture partial to receive female elements. Drill a small vent hole through lingual of overdenture behind each attachment site.
2. Place spacers and female elements over males and try-in denture to ensure that the denture seats completely. Modify sites in acrylic if necessary. (A)
 - 2a. **DBS only:** Do not remove the PVC spacer sleeve around the Dalla Bona female elements.
 - 2b. **ORS only:** Insert O-Rings into metal retainer rings. The beveled, more open side of retainer ring is oriented over male elements. block-out the space between the bottom of the retainer ring and the tissue with utility wax or block-out compound (B). Also slightly block-out over the head of the male.
3. Paint thin auto-cure repair acrylic around female elements. Place excess acrylic into void and ask patient to close in centric occlusion. Excess acrylic will express through the vent holes. Female elements should be added individually, one at a time. Remove excess acrylic and polish.
4. Activate or deactivate the DBS Attachments; do not provide too much retention. (C)

Alternative Process #2 For DBS & ORS:

INDIRECT PROCESS TO EXISTING DENTURE:

The attachments may also be added in the laboratory to an existing denture during a reline process. A reline impression is taken with the males in place. The laboratory places the male analogs in the reline impression before fabrication of the reline model. The denture is then relined incorporating the female elements. Follow block out procedures detailed in Phase 7, step 1a or 1b.

Alternative Process #3 With Implant Analogs:

A master model incorporating implant analogs can be fabricated following standard implant impression techniques. Appropriate length DBS males are then inserted into the implant analogs and the female elements are processed into the acrylic as described previously.

Direct ORS, O-Ring System

PRODUCT INFORMATION



DESCRIPTION

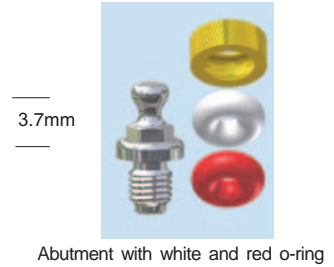
The ORS, O-Ring Abutment is a stud attachment with replaceable rubber O-rings. Renew Biocare manufactures this product and has it also available for most other manufacturers implant types. The **RED COLORED O-Ring**, which is contained in the initial package, is used for the laboratory processing phase only ! Regular white and black O-Rings are for patient use and have different retention intensities for patient comfort and security. The female is an easily replaceable rubber O-Ring which is retained in a gold plated stainless steel retainer ring . The ORS O-Ring abutment, of all the attachments, transfers the least amount of stress to the implants. The O-Rings are interchangeable with the standard ORS system.

SPECIFICATIONS

Minimum Vertical Height: 3.7mm + tooth
Number of Parts: 2 plus spacer

APPLICATIONS

Indications are for economical overdentures.
Contraindications are non parallel implants over 15 degrees.



Description	Dimensions	Material	Order #
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DALA BONA PARTS

Replacement Kits

Dalla Bona. Implant Ti Female Kit. includes Female. Spacer & Analog			40-430002
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ORS PARTS

For extreme retention order blue rings (see below)

ORS-OD, O-RINGS	Height	Outside Ø	Inside Ø	To Fit	Material	
ORS-OD, Regular Blue O-Rings - tighter retention (12)	H=1.5mm	4.5mm	1.4mm	ORS Regular	Si	99-443033
ORS-OD, Regular Red O-Rings for Processing (12)	H=1.5mm	4.5mm	1.4mm	ORS Regular	Si	99-443034
ORS-OD, Regular White O-Rings (12)	H=1.5mm	4.5mm	1.4mm	ORS Regular	B	99-443035
ORS-OD, Regular Black O-Rings (12)	H=1.5mm	4.5mm	1.4mm	ORS Regular	B	99-443036
ORS-OD, O-Rings Combo Kit (30) 10 White, 10 Black, 10 Red					B, Si	99-443037
Retainer Ring Regular, Gold Plated (6)					G	99-440044

Replacement Kits

ORS. Implant Female Kit. includes Retainer Ring. Analog & 3 red processing & 3 white final O-Rings						40-440002
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•DIMENSIONS: The size of the retentive ball section is 2.2mm.