MULTI UNIT / BASE
MULTI RESTORATION SOLUTIONS

QUATTROFIX

MULTI SOLUTIONS
SCREW RETAINED
- FULL-ARCH
- PARTIAL
OVERDENTURE
- BALL ABUTMENT
- LOCATOR ABUTMENT

modeimplant.com
MULTI RESTORATION SOLUTIONS

"MULTI SOLUTIONS" ADVANTAGES

- Reduces treatment time
- Improved the esthetic result
- On the day of surgery with implant retained teeth
- Provides a simplified restorative concept

EASY ABUTMENT SEATING

Short flexible holder allows for easy seating of Multi Base Abutments, even space is limited.
**MULTI UNIT ABUTMENT**

One-piece monoblock Multi Unit Abutment models, allow an active fixed restoration solutions for the partial, toothless or edentulous cases.

Single, Partial, Overdenture and Hybrid Restorations

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<th>Platform</th>
<th>Implant</th>
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**MULTI BASE ABUTMENT 17°**

Enables immediate loading at the total toothless cases with the option of screw retained denture, ball and locator connection provide a restoration up to 17-30 angle.

Single, Partial, Overdenture and Hybrid Restorations

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**MULTI BASE ABUTMENT 30°**

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**QUATTROFIX Surgical Procedure**

### Position U-Guide

- After raising a flap, prepare an osteotomy for the U-Guide.
- Make an osteotomy of approximately 10 mm in the midline using a Ø2 mm Pilot Drill.
- The guide can be pre-shaped outside the oral cavity.

### Prepare Posterior Site

- Place the U-Guide in the osteotomy. The lines on the guide help aligning the axis of the implant.
- Drill to appropriate depth using a Ø2 mm Pilot Drill.
- Check for correct angulation with the U-Guide.
- Follow drilling protocol for the implant.
• Prepare two anterior site, as far apart from each other as possible, allowing for a safe distance from the apex of the posterior implants.
• Place straight Multi Unit Abutment or 17° Multi Base Abutment for anterior site.

**Caution:** It is important to identify the mental foramen and exiting inferior dental nerve. The final position of the implant should be in front of the foramen, avoiding the nerve loop.

**ANTERIOR**

**DELAYED LOADING**

If the required tightening torque for Immediate Function (minimum 35 Ncm) cannot be achieved or the treatment of choice is a delayed loading protocol. A conventional healing phase is recommended prior to delivery of provisional or final restoration.

- Place cover screws on all four implants and suture back the flap.
- Wait with further steps until osseointegration has taken place.
QUATTROFIX RESTORATION
MULTI UNIT / BASE ABUTMENT

- Select the appropriate abutment angle and height.
- Connect the abutment body to the implant and rotate the abutment to the desired position.
- The flexible holder can be bent to facilitate placement.

Note: Tighten the abutment to the recommended torque 25 Ncm.

CONVENTIONAL IMPRESSION

- After suturing, connect the Open Impression Parts on Multi Unit Abutment and Multi Base Abutment.
- Take an impression using silicone soft putty material and a customized open tray.

DIGITAL IMPRESSION

- Place the dual use scan body on abutment.
- Scan them by using oral scanner.
IMMEDIATE RESTORATION

- Manually seat and secure the temporary abutments to the Multi Unit and Multi Base Abutments using the screw driver.
- Perforate the denture to allow it to seat onto the mucosa without interfering.
- Manually seat and secure the healing caps to the abutments using light finger force (5-10 Ncm) with the screw driver.

LABORATORY PROCEDURE

- Connect the analogs carefully to the open impression parts and tighten.
- Secure the open impression parts using manual tightening torque (5-10 Ncm).
- Prepare the impression for duplication with a removable soft tissue mask by applying silicone around the analogs.
- Pour high quality stone and fabricate the master model.
- Burn out sleeves are used in laboratory for casting.
- A model and restoration are made at the dental laboratory.
- Place the all bridge on the abutments
- Tighten the prosthetic screws to 15 Ncm using screw driver and torque ratchet.
- Block out screw access and fill holes with suitable material.
- Check the occlusion.
MULTI BASE BALL ABUTMENT

CLOSED TRAY IMPRESSION

- Place straight Ball Abutment or 17° Multi Base Ball Abutment for anterior site.
- Place a 30° Multi Base Ball Abutment for posterior site.

Note: Tighten the abutment to the recommended torque 25 Ncm.

- Place the impression pick up on Ball Abutment and 17°-30° Multi Base Ball Abutment.
- Take an impression.

LABORATORY PROCEDURE

- Connect the analogs carefully to the impression pick up.
- Prepare the impression for duplication.
- Pour high quality stone and fabricate the master model.

- A model and restoration are made at the dental laboratory.
- Place it on the abutments.
CLOSED TRAY IMPRESSION

- Place straight Locator Abutment or 17° Multi Base Locator Abutment for anterior site.
- Place a 30° Multi Base Locator Abutment for posterior site.

**Note:** Tighten the abutment to the recommended torque 25 Ncm.

LABORATORY PROCEDURE

- Connect the analogs carefully to the impression pick up.
- Prepare the impression for duplication.
- Pour high quality stone and fabricate the master model.

- A model and restoration are made at the dental laboratory.
- Place it on the abutments.
Advanced screw-retained restoration systems Multi-Unit line, supports various clinical situations from a single tooth, partial or a full edentulous jaw. Providing the optimal solution for restoration on straight or tilted implants.

Multi-Unit abutments can be used for single unit screw-retained restorations, as well as multiple unit fixed restorations for stabilizing overdentures. Designed with a divergence of up to 30° between implants.

### MULTI UNIT ABUTMENT

**SCREW RETAINED**

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**RP 04.1-04.7-05.2**

| Ø4.7 | H 0.5 mm | 02.15.050.03 |
| Ø4.7 | H 1 mm  | 02.15.010.03 |
| Ø4.7 | H 2 mm  | 02.15.020.03 |
| Ø4.7 | H 3 mm  | 02.15.030.03 |
| Ø4.7 | H 4 mm  | 02.15.040.03 |

### MULTI UNIT ABUTMENT SET

- Multi Unit Abutment
- Open Tray Transfer
- Analog
- Healing Abutment
- Temporary Abutment
- Burnout Sleeve (Plastic)
- Screw Fixation
Multi-Base abutment system is intended for use in cases where implant angulation correction is required.

Multi-Base system is simple and easy to use and consists of two parts. Base and Covers are screwed together in order to provide extra strength and stability assuring a long-term solution. Available in a range of angles and heights 17° and 30° with cuff-heights of 2.5mm, 3.5mm and 4mm.

The flexible plastic holder has exceptional flexibility for easy insertion of the Multi-Base into the implant.

### MULTI BASE ABUTMENT

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### MULTI BASE ABUTMENT SET

- MULTI BASE Abutment
- Base Cover
- Open Tray Transfer
- Analog
- Healing Abutment
- Temporary Abutment
- Burnout Sleeve (Plastic)
- Screw Fixation

### MULTI BASE BALL ABUTMENT SET

- MULTI BASE Abutment
- Ball Cover H1
- Ball Cover H2
- Ball Analog
- Metal Housing
- Plastic Housing
- O-ring (Plastic)

### MULTI BASE LOCATOR ABUTMENT SET

- MULTI BASE Abutment
- Locator Cover H1
- Locator Cover H2
- Ball Analog
- Metal Housing
- Plastic Housing
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