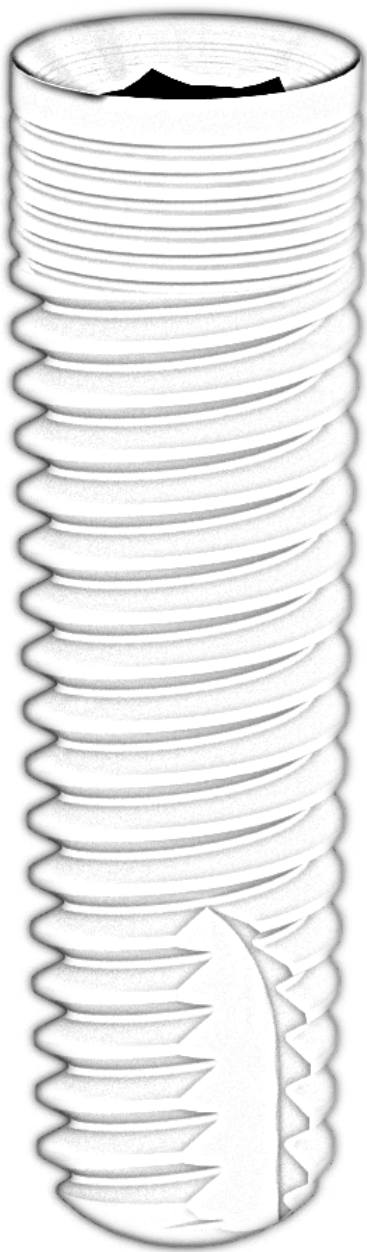


two[®]

Surgical Guide

bonafix
surgical & dental implants

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Introduction

Bonafix TWO Implant is a bone level type implant design for use in many bone types and cases. Is fabricated in Grade 5 ELI Titanium Alloy, anodized for easy identification to which platform it belongs and treated with RBM technology. To prevent unnecessary rotations between the implant and the abutment, the implant has an internal hex connection. The body of the implant is tapered, the implant neck is straight and has micro-rings; and the apex of the implant has a dome shape. Was designed with a double-thread that has a constant depth and thickness. Has two-spiral channel at the apical end of the implant that provide self-tapping properties to the implant.



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Description of Products

Micro Rings

Micro rings on the implant collar, improve Bone-Implant contact and interaction

Internal Hex

Color Code

Each implant platform is color coded for a simpler, faster and safer restoration procedure.



RBM Treated Surface

Enhance the bone and implant contact, providing stability and helping the Osseo-integration process

Double-Threaded Implant

Allow a faster and safer implant procedure while enhancing the bone and implant contact, providing stability and helping the Osseo integration process.

Conical Shape

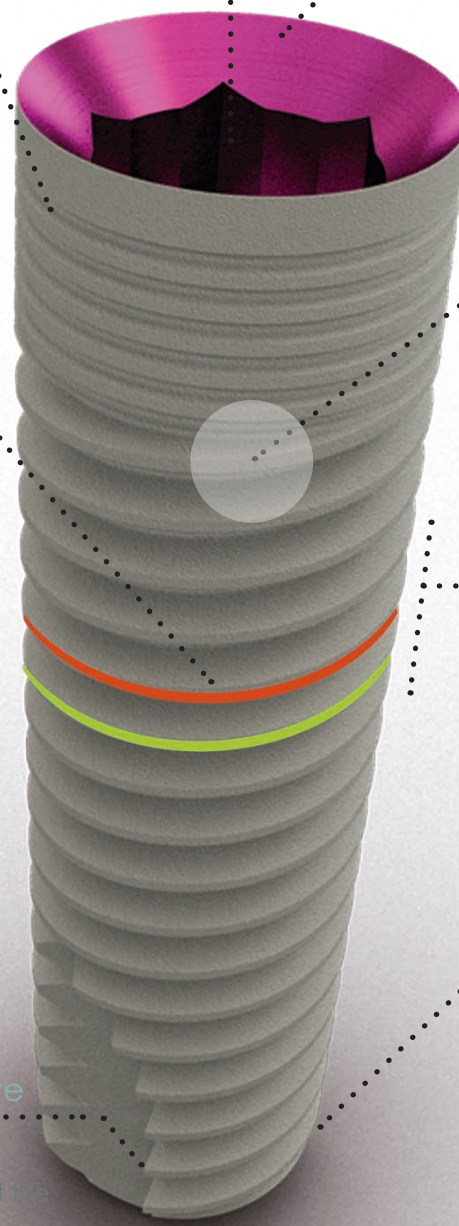
The conical shape, the thread design and the proper following of the Bonafix surgical protocols, will ensure the necessary stability required for a successful implant procedure

Self-Tapping Groove

Provides better insertion and engages the apex of the implant.

Domed Apex

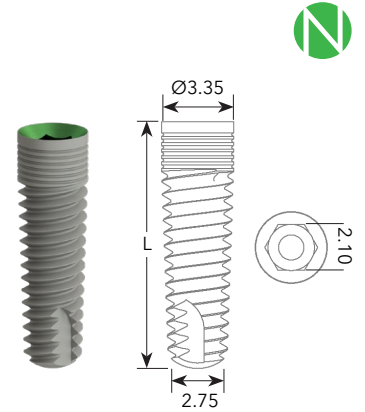
Avoids over insertion providing a safe implant placement procedure.



Implant Range

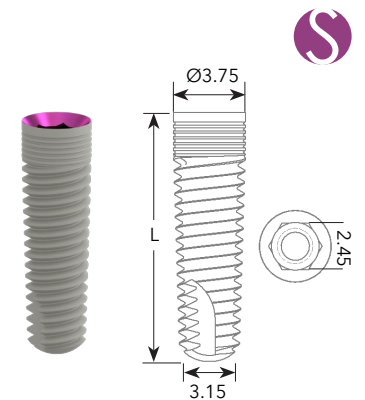
IMPLANT DIAMETER 3.35mm

| | | | | |
|-------------|-------------------------|----------|----------|----------|
| Length | 10mm | 11.5mm | 13mm | 15mm |
| Catalog No. | BTIM3310 | BTIM3311 | BTIM3313 | BTIM3315 |
| Material | Titanium Grade 5 RBM | | | |



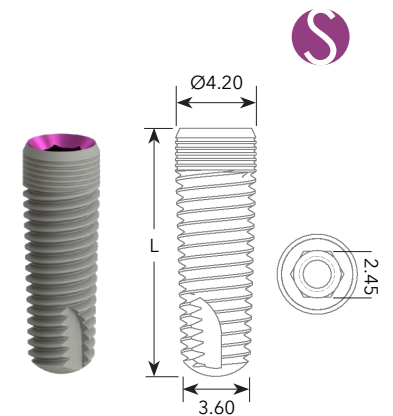
IMPLANT DIAMETER 3.75mm

| | | | | | |
|-------------|-------------------------|----------|----------|----------|----------|
| Length | 8mm | 10mm | 11.5mm | 13mm | 15mm |
| Catalog No. | BTIM3708 | BTIM3710 | BTIM3711 | BTIM3713 | BTIM3715 |
| Material | Titanium Grade 5 RBM | | | | |



IMPLANT DIAMETER 4.20mm

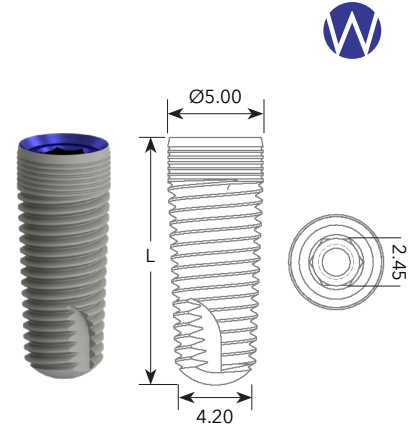
| | | | | | |
|-------------|-------------------------|----------|----------|----------|----------|
| Length | 8mm | 10mm | 11.5mm | 13mm | 15mm |
| Catalog No. | BTIM4208 | BTIM4210 | BTIM4211 | BTIM4213 | BTIM4215 |
| Material | Titanium Grade 5 RBM | | | | |



Implant Range

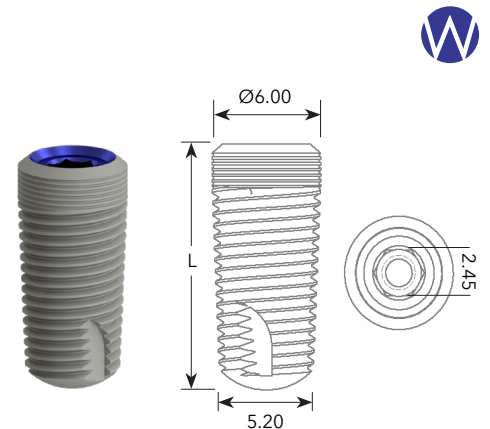
IMPLANT DIAMETER 5mm

| | | | | | |
|-------------|-------------------------|----------|----------|----------|----------|
| Length | 8mm | 10mm | 11.5mm | 13mm | 15mm |
| Catalog No. | BTIM5008 | BTIM5010 | BTIM5011 | BTIM5013 | BTIM5015 |
| Material | Titanium Grade 5 RBM | | | | |



IMPLANT DIAMETER 6mm

| | | | | |
|-------------|-------------------------|----------|----------|----------|
| Length | 8mm | 10mm | 11.5mm | 13mm |
| Catalog No. | BTIM6008 | BTIM6010 | BTIM6011 | BTIM6013 |
| Material | Titanium Grade 5 RBM | | | |



Implants Platform

The implant platform diameter is measured across the most coronal part of the implant. Bonafix TWO have three implant platform diameters and design.



Packaging



1. RECORD THE DATA FOR EACH IMPLANT PLACED
- Remove the implant pouch from the box. Located the patient record labels, indicating product description and lot number and adhere to the patient's chart.



2. OPEN THE POUCH - Remove the sterile vial from pouch and place it onto a sterile field.



3. REMOVE THE IMPLANT FROM THE VIAL - Flip the cap on the vial. Place the appropriate Insertion Tool (**BTMRIT24L/S or BTMRIT21L/S for use with the fingers or ratchet, BTITD21 or BTITD24 for use hand piece**) into the implant hex. Make sure the tool has touched bottom. Transport the implant to the prepared site, and insert into the osteotomy.

Packaging

4. CLOSING IMPLANT - Locate the surgical screw in the cap of the vial. Using the same Insert Tool (**BTMRIT24L/S or BTMRIT21L/S for use with the fingers or ratchet, BTITD21 or BTITD24 for use hand piece**), Insert the tip into the hexagon of the screw pressing down carefully until a "bounce effect" is achieved.

Unscrew until it's released. It is recommended to maintain a slight pressure down during the unscrew procedure. Transport the screw to the implant site and proceed with the screwing process.

Finish tightening the screw using the Bonafix Two Manual Ratchet Screw Driver (BTMRSDL/S) required for the screw platform or any generic Screw Driver of 1.25mm.

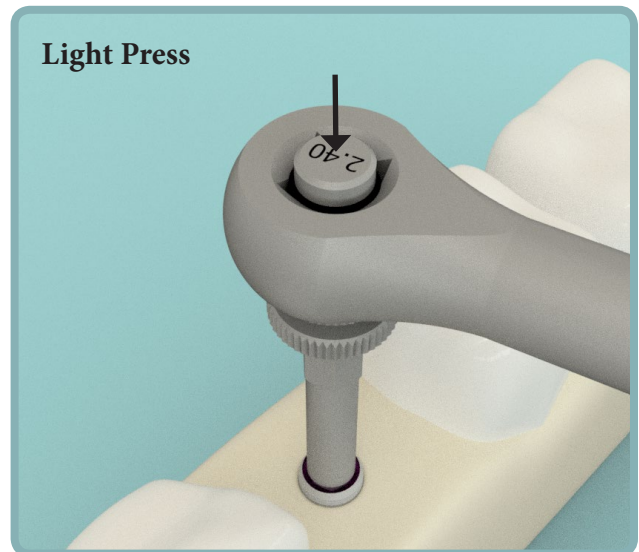


Both physical and visual inspection of the implant package is required prior to use. This ensures that the correct implant model and dimensions are being used for the selected site.

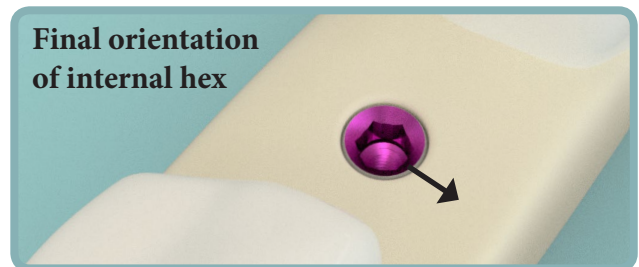
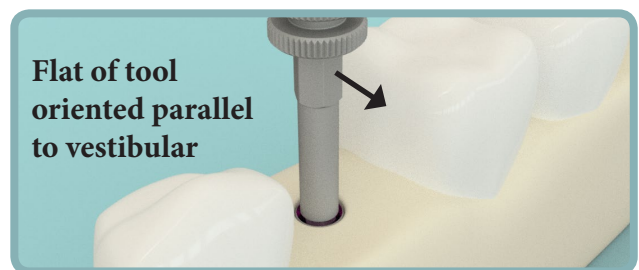


Surgical TIPS

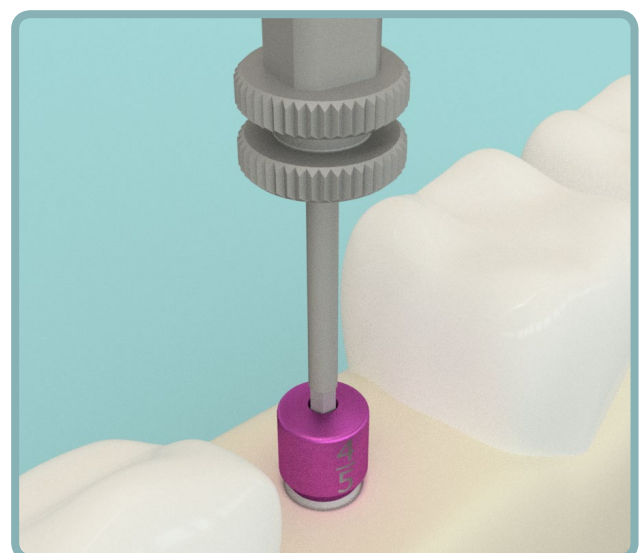
1. SEATING - Rotate clockwise with applied pressure to engage the self-tapping groove. Avoid excentric movements, which can affect the angulation and final alignment of the implant. Is recomended make a light press over the tool with the index finger or thumb of the opposite hand to avoid the excentric movements in the insertion.



2. FINAL SEATING - When inserting the implant, there must be adequate torque that allows complete primary stability and the location of one of the walls of the internal hexagon parallel to the vestibular portion. To achieve this positioning we can take as a visual reference the hexagon of the insertion tool, with this we will be able to take advantage of the anatomical contour of the abutment, the possibility of preparation in the abutment will be reduced and the adapted in the positioning of angled abutments will be facilitated.



3. ONE STAGE PROTOCOL OR AFTER HEALING FASE - Use the Healing abutment necessary according to treatment plan. See the wide range that Bonafix offerer to you (Healing abutment options, page 10). Screw the healing abutment using the Bonafix Two Manual Ratchet Screw Driver (BTMRSDL/S) or any generic Screw Driver of 1.25mm.



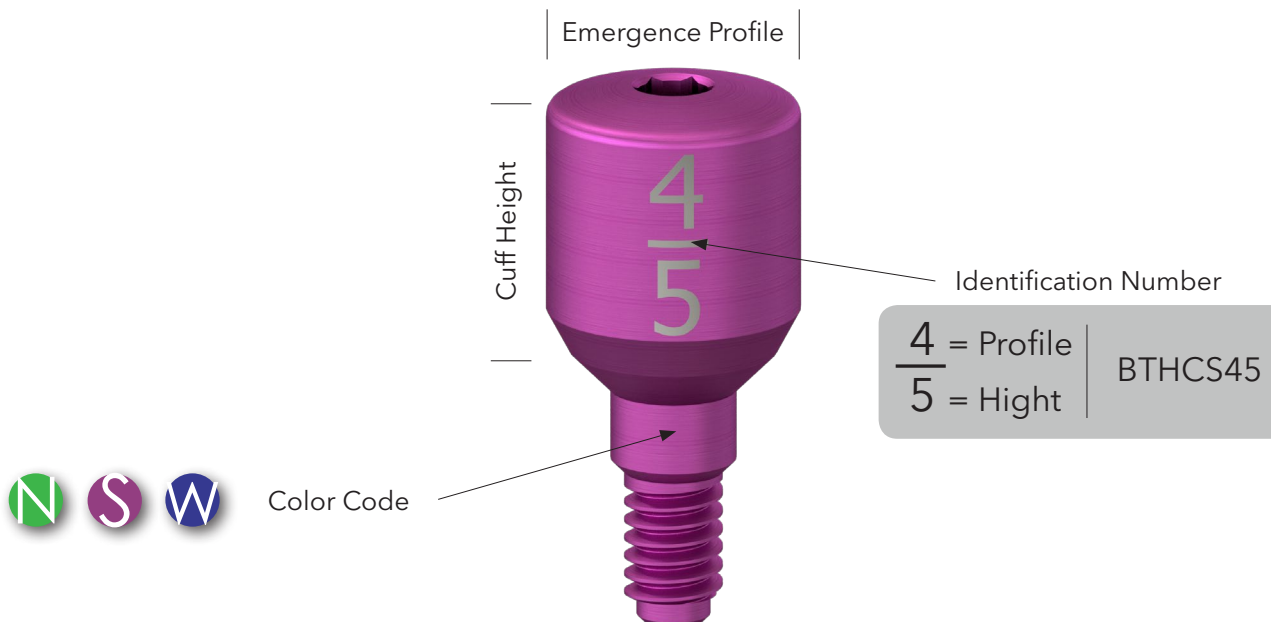
Healing Abutment Options

| | Options | Profile (mm) | Hight (mm) |
|---|---------|--------------|------------|
| N | BTHCN33 | 3.35 (Flare) | 3.0 |
| | BTHCN35 | | 5.0 |
| | BTHCN37 | | 7.0 |
| | BTHCN43 | 4.30 | 3.0 |
| | BTHCN45 | | 5.0 |
| | BTHCN47 | | 7.0 |
| S | BTHCS33 | 3.75 (Flare) | 3.0 |
| | BTHCS35 | | 5.0 |
| | BTHCS43 | 4.50 | 3.0 |
| | BTHCS45 | | 5.0 |
| | BTHCS47 | | 7.0 |
| | BTHCS53 | 5.50 | 3.0 |
| | BTHCS55 | | 5.0 |
| W | BTHCW43 | 4.80 (Flare) | 3.0 |
| | BTHCW45 | | 5.0 |
| | BTHCW47 | | 7.0 |
| | BTHCW53 | 5.50 | 3.0 |
| | BTHCW55 | | 5.0 |
| | BTHCW63 | 6.50 | 3.0 |
| | BTHCW65 | | 5.0 |

Follow the step below to select the appropriate healing abutment:

- Determine the size of the implant platform.
- Select the emergence profile that best suits the site being restored as well as type of restoration being fabricated.
- Select the diameter that matches the transfer and final abutment to be used in the respective site during the restorative phase.
- Select the length (3mm or 5mm) so that the top of the component protrudes slightly above surrounding tissue.

All vertical measurements are taken from the superior aspect of the implant.



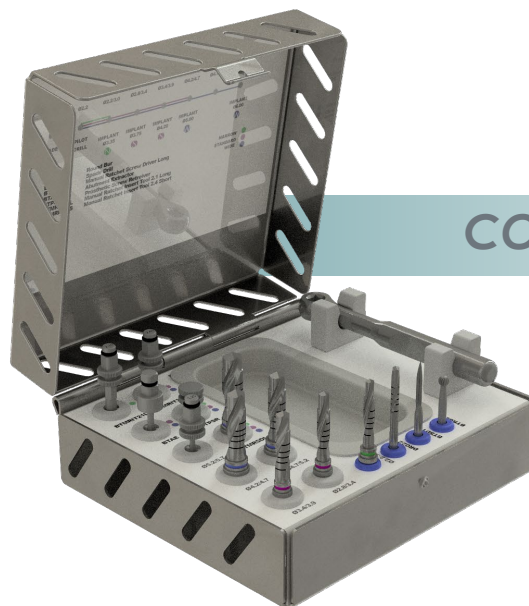
Surgical Kit

Bonafix Two Surgical Kit provides all necessary elements for a safe, simple and successful implant placement and prosthetic procedure. Intuitive instrument organization and color-coding make the surgical sequence easy to learn and follow, the surgical procedures.

SURGICAL KIT



COMPACT KIT














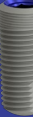


Surgical Kit Contents

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |
| BTRB23 Round Bur 23 | BTSD17 Spade Drill | DR022 Pilot Drill | BTSD2230 Step Drill 2.2/3.0 | BTSD2834 Step Drill 2.8/3.4 | BTSD3439 Step Drill 3.4/3.9 | BTSD4247 Step Drill 4.2/4.7 | BTSD4752 Step Drill 4.7/5.2 | BTSD5257 Step Drill 5.2/5.7 |
|  |  |  |  |  |  |  |  |  |
| BTMRSDL Manual Ratchet Screw Driver Long | BTMRIT24L Manual Ratchet Insert Tool 2.4 Long | BTMRIT21L Manual Ratchet Insert Tool 2.1 Long | BTPSR Prosthetic Screw Retriever | BTAE Abutment Extractor | BTDE Drill Extender | BTSDD Screw Driver Drill | BITD21 Insert Tool Drill 2.1 | BITD24 Insert Tool Drill 2.4 |
|  |  |  |  |  |  |  |  |  |
| BTMRSDS Manual Ratchet Screw Driver Short | BTMRIT24S Manual Ratchet Insert Tool 2.4 Short | BTMRIT21S Manual Ratchet Insert Tool 2.1 Short | BTDSNS6 Narrow Deep 6 mm | BTDSNS8 Narrow Deep 8 mm | BTDSNS10 Narrow Deep 10 mm | BTDSNS11 Narrow Deep 11.5 mm | BTDSNS13 Narrow Deep 13 mm | BTDSNS15 Narrow Deep 15 mm |
|  |  |  |  |  |  |  |  |  |
| BTDSW6 Standard and Wide Deep 6 mm | BTDSW8 Standard and Wide Deep 8 mm | BTDSW10 Standard and Wide Deep 10 mm | BTDSW11 Standard and Wide Deep 11.5 mm | BTDSW13 Standard and Wide Deep 13 mm | BTDSW15 Standard and Wide Deep 15 mm | BTTPN Parallel Pin Narrow | BTPPS Parallel Pin Standard | BTPPW Parallel Pin Wide |

Note: The Tools close by segment line are will find in the compact kit. This and all of them are will find in Surgical Kit.

Drilling Protocol

| | | STEP 1 | OPTIONAL | STEP 2 | STEP 3 | STEP 4 | STEP 5 | STEP 6 | STEP 7 | STEP 8 |
|----------------|---|---|---|---|---|---|--|---|---|---|
| | |  |  |  |  |  |  |  |  |  |
| 3.35mmD |  | ● | ● | ● | ● | | | | | |
| 3.75mmD |  | ● | ● | ● | ● | ● | | | | |
| 4.20mmD |  | ● | ● | ● | ● | ● | ● | | | |
| 5.00mmD |  | ● | ● | ● | ● | ● | ● | ● | | |
| 6.00mmD |  | ● | ● | ● | ● | ● | ● | ● | ● | ● |

NOTE: The table show the drill bits necessary to insert each implant selected.

Recomended Speed



Round Bur
900 - 1200 RPM



Spade Drill
1200 - 1500 RPM



Pilot Drill
900 - 1200 RPM



Step Drill
400 - 900 RPM

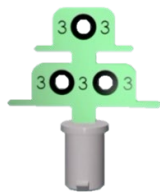
Implant Guiding System

This user friendly system was designed to be used in place or in conjunction with a surgical stent when placing implants. The Guiding System will ensure correct implant location (bucco-lingual & mesio-distal) while also helping determine the optimal implant diameter during placement. Along with the Bonafix Instrument Kit, this helpful tool is the perfect addition for a succesful and risk free procedure.



Contents

- Titanium Blades - will accurately determine appropriate implant diameter and position for 1 or 2 implants.
- Titanium Measuring Pins with extensions - will guide position and diameter of implants in edentulous arches.
- Titanium Parallel Pins - used for assuring parallel placement of implants and to check positioning.
- Blade Handle - Provides the ability to securely maneuver and position the blades throughout the mouth.
- Tray - Sturdy, auto-clavable housing for all Guiding System parts.



Titanium Blades



Measuring Pins



Parallel Pins

Instruction

Select the correct titanium guide and move forward until the extensions come in contact with the buccal aspect of the teeth

- Maintaining a minimum of 3mm of space between two adjacent implants
- Maintaining a mininum of 2-3mm space between a natural tooth and an implant
- Confirming the buccal -lingual positioning of the implants
- Assisting in the determination of the ideal implant diameter



Confirm 2-3 mm between implant and natural tooth



Confirm a 3mm separation between implants



The larger arm is used to confirm that once the second implant is placed there will be a minimum of 3mm between both fixtures



Bonafix implants are proudly made in the U.S.
Our production facilities and contractors comply with:
FDA, ISO 13485, ISO 9001



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