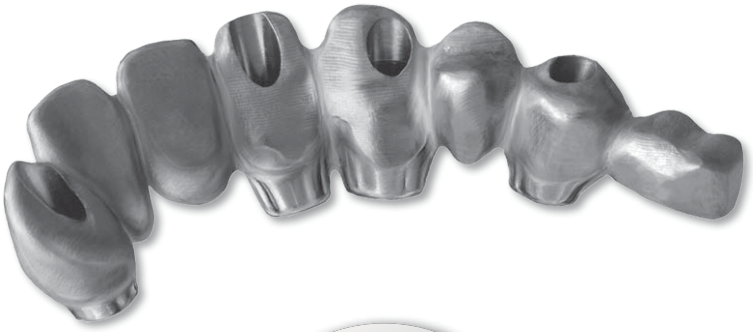
BellaTek® Bars & Frameworks

Laboratory Manual

Optimization By Design®



BIOMET 3i™

PROVIDING SOLUTIONS – ONE PATIENT AT A TIME™

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This Manual describes the process to submit a Work Order Form for a BellaTek Bar (formerly known as a CAM StructSURE® Precision Milled Bar) or Framework.

This Manual is not intended to replace or supercede sound medical judgement, the clinician's experience or training. BIOMET 3i™ does not provide medical advice. The clinician should use medically sound treatment planning and procedures for predictable results. For more information and recommendations, please refer to the BIOMET ***3i*** Restorative Manual (CATRM) treatment planning section.

BellaTek® Bars & Frameworks

Introduction

CAD/CAM Patient Specific Restorations are the future of restorative implant dentistry and BIOMET 3i™ is leading the way with BellaTek® Bars and Frameworks. These superstructures provide simplified laboratory procedures for implant overdentures, fixed-hybrid prostheses and fixed prostheses. BellaTek Bars and Frameworks can be manufactured on most major brand implant and abutment interfaces.

With precision difficult to match using conventional laboratory techniques, BellaTek Bars and Frameworks are one-piece milled titanium alloy or commercially pure titanium structures with a passive fit. One-piece milled frameworks are significantly stronger than cast bars and do not require soldering or welding.
The result is a durable restoration with a precise fit.

BIOMET ***3i*** designs BellaTek Bars and Frameworks in CAD from a laboratory or clinician submitted Work Order Form and then sends the design electronically to the dental laboratory for design verification. Following a 24-hour laboratory preview period, the CAD design is transferred to a dedicated milling machine for bar or framework fabrication. Then it's polished and ready for overdenture processing or the addition of porcelain or acrylic resin with minimal finishing required by the laboratory.

Indications:

- Implant or abutment level interfaces (see compatibility charts on pages 2 and 3)
- For use on implant overdentures, removable and fixed prosthesis with 2-10 implants
- Parallel and divergent implants up to 30°
- 4mm or less of peri-implant tissue depth
- 7mm or more of interarch distance implant tissue depth
- 7mm or more of interarch distance

Virtual Design

BIOMET ***3i*** offers virtual design and milling of bars or frameworks for laboratory technicians who wish to minimize their labor when fabricating overdenture and fixed-hybrid restorations. The design from the technician is initially made from the Work Order Form. BIOMET ***3i*** Design Technicians create the specified design in CAD within the confines of the scanned wax denture to fit the master cast. The design is verified by the laboratory technician prior to milling.

Copymilled Design

Laboratory technicians can create their own unique framework design with a resin pattern and send it to BIOMET ***3i*** with the master cast to be scanned and milled. Using a copymilling technique, BIOMET ***3i*** creates a one-piece replica of the design provided to fit the master cast.

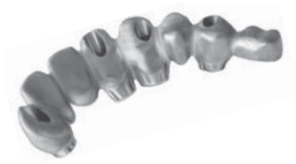
Copymilled frameworks are available in three high biocompatible materials.

For ceramic veneering:

- Cobalt Chrome alloy, certified for orthopedic surgical implants (CTE 14,1 x10^{-6} K^{-1})
- Commercially Pure Titanium

For acrylic finishing:

- Titanium Alloy



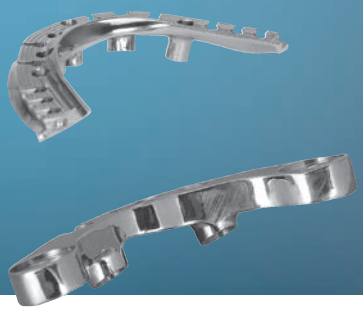
BellaTek Bars & Frameworks Provide Clinicians And Laboratories One Solution At A Time

Clinicians…

- Truly Passive Fit
- Superior Strength As Compared To Conventional Cast Techniques
- No Soldered Or Welded Joints
- Lightweight
- Available For Most Major Brand Implant Or Abutment Interfaces

Laboratories…

- CAD/CAM Precision
- No Soldering Or Welding
- No Capital Investment
- Laboratory Design Control
- No Waxing And Casting
- Biocompatible Alloy



BellaTek® Bars & Frameworks

Interface Compatibility Charts

BIOMET 3i

Description	Analog	Screw
Certain® 3.4mm Implant	IMMILA	ILRGHG, ILRGHT
Certain 4.1mm Implant	IILA20	ILRGHG, ILRGHT
Certain 5mm Implant	IILAW5	ILRGHG, ILRGHT
Certain 6mm Implant	IILAW6	ILRGHG, ILRGHT
External Hex 3.4mm Implant	MMILA	UNISG, UNIHG, UNIHT
External Hex 4.1mm Implant	ILA20	UNISG, UNIHG, UNIHT
External Hex 5mm Implant	ILAW5	UNISG, UNIHG, UNIHT
External Hex 6mm Implant	ILAW6	UNISG, UNIHG, UNIHT
Low Profile Abutment 3.4mm	LPCLA	LPCGSH, LPCTSH
Low Profile Abutment 4.1mm	LPCLA	LPCGSH, LPCTSH
Low Profile Abutment 5mm	LPCLA	LPCGSH, LPCTSH
Standard Abutment	SLA20	GSH30, GSH70
IOL® Abutment	IOLLAS	GSH30, GSH70
Conical Abutment 3.4mm	MMCLA	GSH30, GSH70
Conical Abutment 4.1mm	CLA20	GSH30, GSH70
Conical Abutment 5mm	CLA20	GSH30, GSH70
Conical Abutment 6mm	WCLA6	GSH30, GSH70
Pre-Angled Conical 17° Abutment	CLA20	GSH30, GSH70
Pre-Angled Conical 25° Abutment	CLA20	GSH30, GSH70

Astra Tech™

Description	Analog	Screw
20° UniAbutment 3.5/4mm	22069	22435
20° UniAbutment 4.5/5mm	22069	22435
45° UniAbutment 3.5/4mm	22070	22435
45° UniAbutment 4.5/5mm	22070	22435

BioHorizons®

Description	Analog	Screw
3.5mm External Hex Implant	293-000	130-300
4mm External Hex Implant	294-000	140-300
5mm External Hex Implant	295-000	140-300
6mm External Hex Implant	296-000	140-300
3.5mm Internal Implant	PYIA	PXAS
4.5mm Internal Implant	PGIA	PXAS
5.7mm Internal Implant	PBIA	PXAS
6mm Internal Implant	PBIA	PXAS
Single Stage Implant System 3.5mm	SYIA	PXAS
External 3.5mm Abutment	254-600	222-100
External 4mm Abutment	254-600	222-100
External 4.5mm Angled Abutment	254-601	222-101
External 5mm Abutment	255-600	222-100

BIOMET ***3i*** reserves the right to reject any case requests with connections not represented in these charts or that do not meet regulatory standards. Please call the manufacturer for all non-BIOMET ***3i*** Components.

CAMLOG®

Description	Analog	Screw
CAMLOG 3.8mm Implant	J3010.3800	J4005.1601, J4006.1601
CAMLOG 4.3mm Implant	J3010.4300	J4005.1601, J4006.1601
CAMLOG 5mm Implant	J3010.5000	J4005.2001, J4006.2001
CAMLOG 6mm Implant	J3010.6000	J4005.2001, J4006.2001
CAMLOG Bar 3.8mm Abutment	J3020.4300	J4005.1602
CAMLOG Bar 4.3mm Abutment	J3020.4300	J4005.1602
CAMLOG Bar 5mm Abutment	J3020.6000	J4005.2002
CAMLOG Bar 6mm Abutment	J3020.6000	J4005.2002

DENTSPLY Friadent®

Description	Analog	Screw
Ankylos® Plus 3.5mm Implant	3104 5270	3102 1505
Ankylos Plus 4.5mm Implant	3104 5272	3102 1505
Ankylos Plus 5.5mm Implant	3104 5274	3102 1505
XiVE® S 3.4mm Implant	45-4030	45-4305
XiVE S 3.8mm Implant	45-4040	45-4305
XiVE S 4.5mm Implant	45-4050	45-4305
XiVE S 5.5mm Implant	45-4060	45-4305
Ankylos Balance Base Abutment	3104-5330	3105-6021
Friadent MP 3.4mm Abutment	45-4103	45-4207
Friadent MP 3.8mm Abutment	45-4103	45-4207
Friadent MP 4.5mm Abutment	45-4103	45-4207
Friadent MP 5.5mm Abutment	45-4103	45-4207

Keystone/Lifecore

Description	Analog	Screw
3.75mm External Hex Implant	R9891-40	R9202-40-48
4.1mm External Hex Implant	R9891-40	R9202-40-48
5mm External Hex Implant	R9893-50	R9203-50-48
6mm External Hex Implant	R9893-50	R9203-50-48
Lifecore PrimaConnex® 3.5mm Internal Implant	45140K	45060K
Lifecore PrimaConnex 4.1mm Internal Implant	45141K	45060K
Lifecore PrimaConnex 5mm Internal Implant	45142K	45060K
PrimaConnex Multi-Unit 3.9mm Abutment	45160K	45164K
Fixed Detachable 3.75,4.5 and 4.75mm Abutment	410530-4	R9460-48K
Fixed Detachable Abutment	410530-4	R9460-48MM-S0330

Please call the manufacturer for all non BIOMET ***3i*** Components.
*Please call Attachments International 800-999-3003 or 650-340-0393

BIOMET 3i™
PROVIDING SOLUTIONS – ONE PATIENT AT A TIME™

BellaTek® Bars & Frameworks

Interface Compatibility Charts (Cont'd)

Nobel Biocare®

Description	Analog	Screw
Brånemark System® Mk III 4.1mm RP Implant	31159	29283
Brånemark System Mk III 5mm WP Implant	31160	29284
Replace Select™ 3.5mm NP Implant	29498	29474
Replace Select 4.3mm RP Implant	29500	29475
Replace Select 5mm WP Implant	29502	29475
Replace Select 6mm WP Implant	29995	29475
Replace HL™ 3.5mm External Hex Implant	31158	31171
Replace HL 4.3mm External Hex Implant	31159	29283
Replace HL 5mm External Hex Implant	31160	29283
Replace HL 6mm External Hex Implant	31160	29284
NobelActive™ 3.5mm NP Internal Implant	34243	31171
NobelActive 4.3mm RP Internal Implant	34244	28815
NobelActive 5mm RP Internal Implant	34244	28815
PME 4.5mm Abutment	31705	2346
PME 5mm Abutment	31705	2346
Standard Abutment	DCB 175-0	32983
Brånemark System Multi-unit NP Abutment	31161	29285
Brånemark System Multi-unit RP Abutment	31161	29285
Brånemark System Multi-unit WP Abutment	31162	29286

Straumann®

Description	Analog	Screw
Straumann 3.5mm NN Implant	48.130	49.177
Straumann 4.8mm RN Implant	48.124	49.181
Straumann 6.5mm WN Implant	48.171	49.181
Straumann Bone Level 4.1mm RC Implant	25.4101	25.4906
Straumann Bone Level 4.8mm RC Implant	25.4101	25.4906
Straumann Bone Level 3.5mm Multi-Base Abutment	25.2101	025.0900-04
Straumann Bone Level 4.5mm Multi-Base Abutment	25.2101	025.0900-04
SynOcta® 4.8mm RN Abutment	48.124	048.350V4
SynOcta 6.5mm WN Abutment	48.171	048.350V4

Sybron Implant Solutions/Innova

Description	Analog	Screw
Endopore® 3.5mm External Hex Implant	06M-IA/I	05-2RS
Endopore 4.1mm External Hex Implant	06B-IA/I	05-2RS
Endopore 5mm External Hex Implant	06WB-IA/I	05-2RS
Endopore 4.1mm Internal Implant	06I-PIA	05B-2RS
Endopore 5mm Internal Implant	06WI-PIA	05B-2RS
UMA 3.9mm Abutment	07-0015	07-00522

BIOMET ***3i*** reserves the right to reject any case requests with connections not represented in these charts or that do not meet regulatory standards. Please call the manufacturer for all non-BIOMET ***3i*** Components.

Zimmer® Dental

Description	Analog	Screw
AdVent® 4.5mm Implant	AVR	AVHLS
Screw-Vent® 3.5mm Implant	IA3	MHLAS
Screw-Vent 4.5mm Implant	IA4	MHLAS
Screw-Vent 5.7mm Implant	IA5	MHLAS
Spline 4mm Implant	04024X9	1537
Spline 5mm Implant	10573	1537
Taper Lock 4.1mm External Hex Implant	IAX	GPCAS
AdVent 4.5mm TAC Abutment	ACTR	SCTS
Calcitek 4.0mm MD Abutment*	45-400015	45-400052
Calcitek Shoulder 4mm Abutment	45-000015	45-400052
Corvent TSA Abutment*	*	*
Corvent TSI Abutment*	*	*
Tapered 3.5mm Abutment	ACTR	SCTS
Tapered 4.5mm Abutment	ACTR	SCTS
Tapered 5.7mm Abutment	ACTR	SCTS
Tapered 4.5mm Act Abutment	ACTR	SCTS
Spectra-Cone 4.5mm Abutment	SCR	SCTS

*Please call Attachments International 800-999-3003 or 650-340-0393.

NEW COBALT CHROME OPTION!

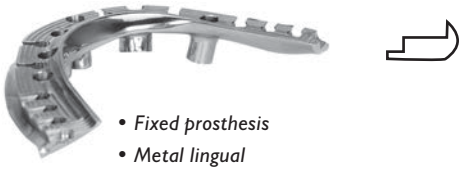
BellaTek® Bars & Frameworks
Design Options

BellaTek® Bars and Frameworks are compatible with all major implant systems and match a wide variety of implant and abutment connections. Please refer to the interface compatibility charts when placing your orders for bars and frameworks with competitive connections. You can also find the BellaTek Bars and Frameworks Design Options and Interface Compatibility Charts by visiting **www.bellatek.biomet3i.com**.

Hybrid Bar Design #1

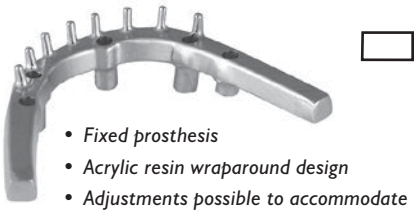
- *Fixed prosthesis*
- *Metal lingual*
- *Low buccal finish line*
- *Titanium tissue surface*

Hybrid Bar Design #2



- *Fixed prosthesis*
- *Metal lingual*
- *Low buccal finish line*
- *Titanium tissue surface*

Wraparound Bar



- *Fixed prosthesis*
- *Acrylic resin wraparound design*
- *Adjustments possible to accommodate for changing tissue contours*
- *Easy to repair and modify the acrylic resin portion of the prosthesis*

Freeform Bar

- *Fixed prosthesis*
- *Acrylic resin wraparound design*

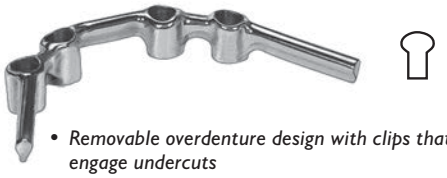
Dolder® Egg Shape Bar

- *Removable overdenture design*
- *Anterior clips allow for anterior/posterior rotation of the overdenture*
- *Provides lateral stability to the overdenture*

Dolder U Shape Bar

- *Removable overdenture design*
- *Anterior clips allow for anterior/posterior rotation of the overdenture*
- *Provides lateral stability to the overdenture*

Hader Bar



- *Removable overdenture design with clips that engage undercuts*
- *Provides lateral stability to the overdenture*
- *4mm between implants is needed for clips*

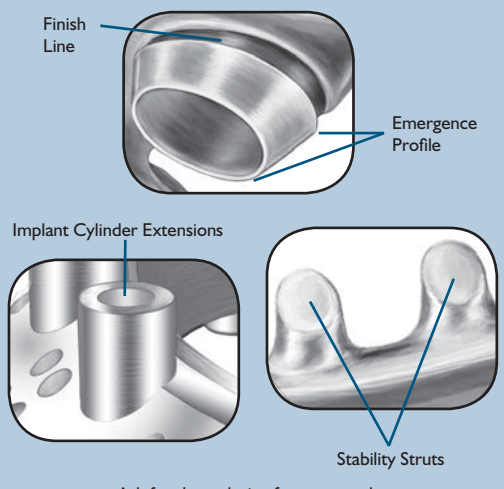
Primary Bar

- *Most secure removable overdenture design*
- *May be used with attachments or secondary casting*
- *Bar can be designed with a 2° – 6° taper*

Combination Primary Bar With Hader Or Dolder Designs

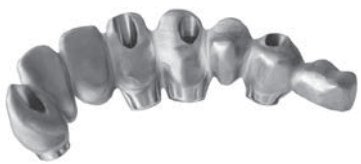
- *Combines a milled bar with Hader or Dolder Designs*
- *Provides excellent lateral stability to the overdenture*
- *Bar can be designed with a 2° – 6° taper*

Design Features



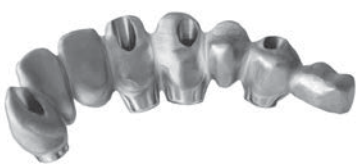
Ask for these design features on the BellaTek Bars & Frameworks Work Order Form (ART880).

Copymilled Cobalt Chrome Framework



- *Fixed screw-retained prosthesis, allowing veneering of user friendly CoCr porcelains with CTE 14,1 x10^{-6} K^{-1}*
- *High biocompatible Cobalt Chrome Alloy, certified for orthopedic surgical implants*

Copymilled Titanium Framework



- *Ideal for fixed screw-retained prosthesis. Scanned from a Lab designed resin pattern*
- *Available in Titanium Alloy for acrylic Finishing or Commercially Pure Titanium for Titanium porcelain veneer*

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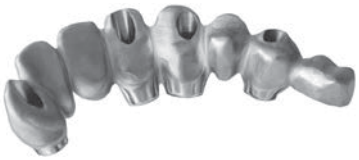
BellaTek® Bars & Frameworks
Design Matrix

The following information describes the Design Matrix requirements for Type I and Type II BellaTek® Bars and Frameworks.

Material: Surgical Grade Titanium Alloy (Ti-6Al-4V #LI).
Surgical Grade 4 Titanium (for porcelain baked direct to bar)



Description	Bar Type
BellaTek Dolder® Bars - Egg Shape and U Shape	Type I
BellaTek Hader Bar	Type I
BellaTek Primary Bar	Type I
BellaTek Combination Primary Bar – with Hader or Dolder Designs	Type I
BellaTek Hybrid Bar – Designs #1 and #2	Type II
BellaTek Wraparound Bar	Type II
BellaTek Freeform Bar	Type II
BellaTek Canada Bar	Type II
BellaTek Copymilled Bar Titanium	Type II
BellaTek Copymilled Bar Cobalt Chrome	Type III

The BellaTek Bars and Frameworks Design Matrix details the design parameters for the devices manufactured in the BellaTek Production Center. Customers should adhere to the design specifications shown in this document when completing the BellaTek Bars Work Order Form.

Occasionally, there are special circumstances when a patient may require a framework that falls outside of the BIOMET 3i® standard product offering in order to address their clinical needs. In such cases, BIOMET ***3i*** may facilitate the design and manufacturing of custom bars and frameworks. Bars and frameworks with measurements that fall outside of this design matrix are considered custom devices and follow a different process.

If the BellaTek Production Center identifies the case as a possible custom device, the customer will be notified within three days of receiving the case at BIOMET ***3i***. If it is determined that the device can be processed and milled, BIOMET ***3i*** will contact the customer with a prescription form that must be filled out and sent back to BIOMET ***3i*** in order to process the case.

BellaTek® Bars & Frameworks

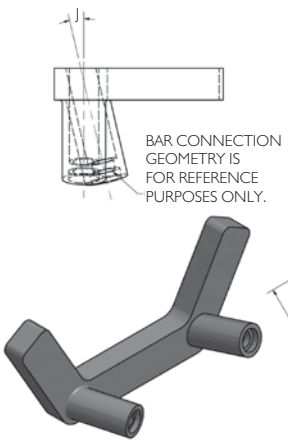
Design Matrix

Process Output Specifications

Type I Bars:

Removable Prosthetic-Type Bars*

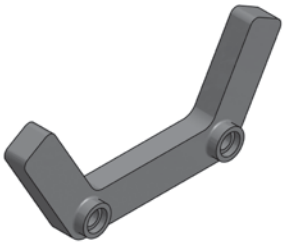
	Description	Minimum	Maximum
A	Platform Seating Diameter	3.4mm	6.7mm
B	Total Cylinders	2	10
C	Bar Span Between Cylinders	0mm	27mm
D1	Bar Height	2.5mm	10mm
E	Bar Width	1.8mm	10mm
F	Distal Extension	0mm	10.7mm
G	Cylinder Height	0mm	10mm
H	Cylinder Diameter	3.4mm	10mm
J	Maximum Angulation Between Cylinders	0°	30°



Type II Bars:

Fixed Hybrid & Titanium Copymilled Bars*

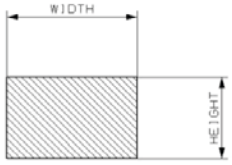
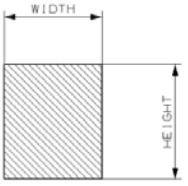
	Description	Minimum	Maximum
A	Platform Seating Diameter	3.4mm	6.7mm
B	Total Cylinders	2	10
C	Bar Span Between Cylinders	0mm	23.5mm
D2	Bar Height	2.5mm	22mm
E	Bar Width	4mm	10mm
F	Distal Extension	0mm	18mm



Type III Bars:

Cobalt Chrome Copymilled Bars*

	Description	Minimum	Maximum
A	Platform Seating Diameter	3.4mm	6.7mm
B	Total Cylinders	2	10
C	Bar Span Between Cylinders	0mm	23.5mm
D	Bar Height	See Table To The Right	22mm
E	Bar Width	See Table To The Right	10mm
F	Distal Extension	0mm	18mm
G	Cylinder Height	0	8mm
H	Cylinder Diameter	3.4mm	-
J	Maximum Angulations Between Cylinders	0°	30°
K	Total Height	2.5mm	22mm

MINIMUM SECTION VALUES			SECTIONS
Minimum Bar Height (D)		**Minimum Bar Width (E)**	
2.5mm	if	4mm	HORIZONTAL 
3.5mm	if	3mm (**)	VERTICAL 

Notes:

- Minimum Cylinders wall thickness according to BIOMET ***3i*** External Hex 3.4 mm Implant specifications. See Appendix A.
- (*) Sketches are representations of the bars and/or frameworks and are not intended as a design print/specification.
- (**) For Vertical sections, minimum width of bar 4mm (Ø) around the cylinders.

BIOMET 3i™
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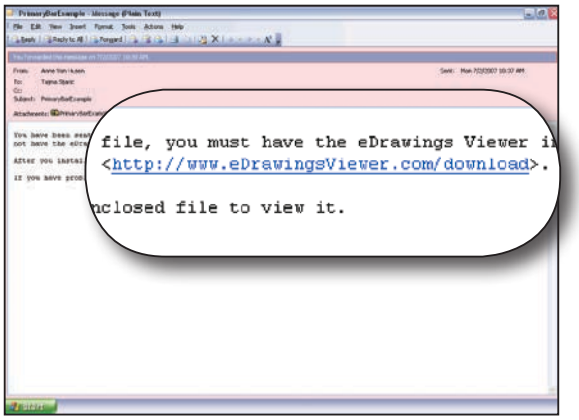
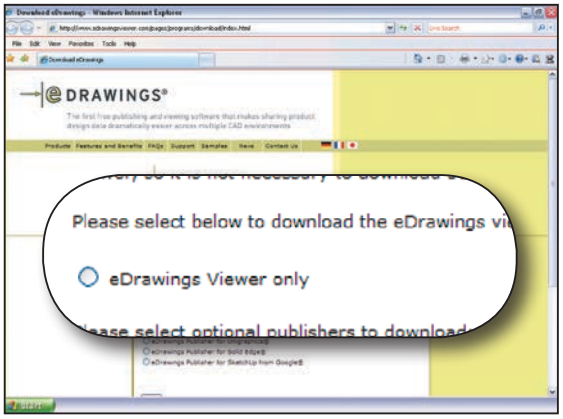
Using eDrawings® Viewer

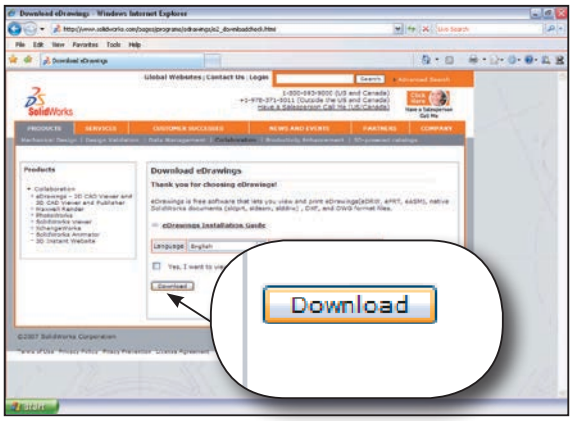


1. You will receive an email from the BellaTek® Production Center (formerly known as the ARCHITECH PSR® Department). Click on the eDrawing Viewer link to download the software.

This process should take no longer than five minutes to download.

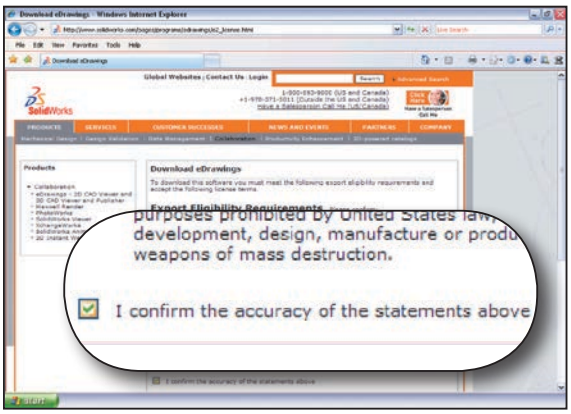


2. On the download eDrawing Viewer screen, select "eDrawing Viewer Only" and click next.

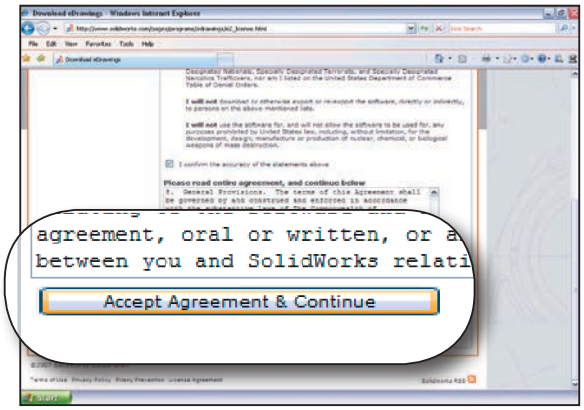


3. On the next screen, click download.

Using eDrawings® Viewer (Cont'd)

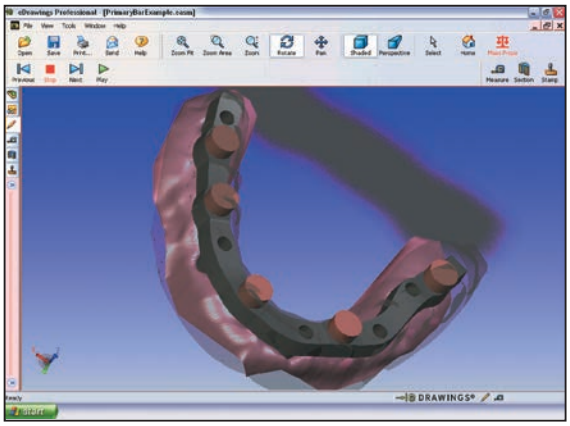


4a. On the "Export Eligibility Requirements" screen, read and check the box acknowledging that you have read the requirement.



4b. Read and accept the software agreement.

NOTE: **Steps 1-4 are necessary for initial software download only.**



5. Click to open the image file. Image viewing tools are located on the tool bar.

Zoom Area tool allows you to zoom in. Choose this tool and select the area you want to zoom in to.

Zoom Fit tool reverts back to the original image size.

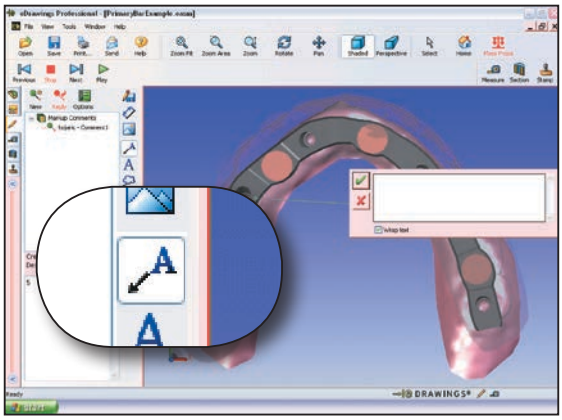
Zoom tool allows you to zoom in and out of the image with your mouse.

Rotate tool allows you to move the image and view it in 360°.

Select the **Pan** tool to move the image two dimensionally on the screen.

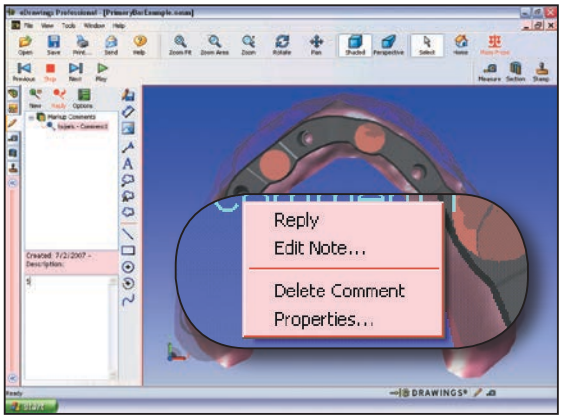
Selecting **Home** will take you back to the original image location, if changes have not been saved.

Using eDrawings® Viewer (Cont'd)

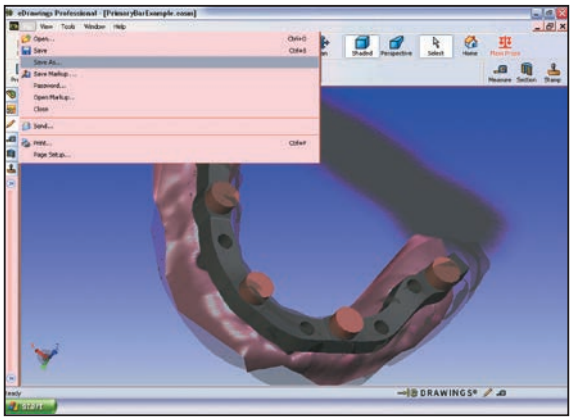


6. Select the "text with leader" tool in the markup section to type comments. Click on the portion of the drawing where you desire the comment(s) to be placed and move the mouse slightly away from the desired comment location. Click again to allow for comments to be typed.

Click on the green checkmark to leave a comment. A comment(s) will appear on the screen.

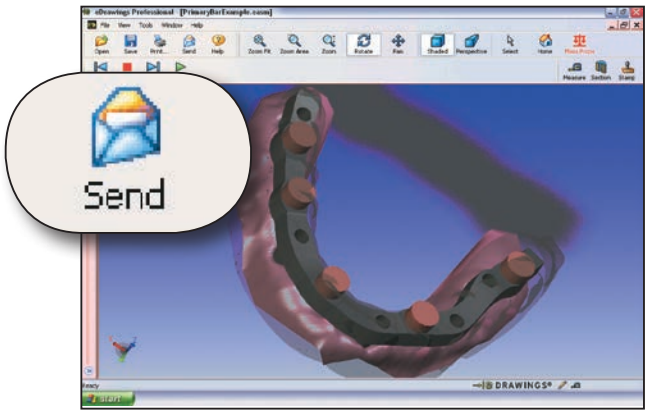


7. If you wish to edit or remove the comment(s) you made, place your mouse cursor over your comment(s) and right click.



8. Once completed, select the "Save As" option under the File tab to save the drawing with your comments.

Using eDrawings® Viewer (Cont'd)



9. Select "Send", to return the drawing and comments to the BellaTek® Production Center.

BellaTek® Bars & Frameworks

Work Order Form Instructions

1. Account Information

Please complete this section clearly. All requested information is important to ensure the necessary communication of the desired case design. Please make sure your communication is clear and timely as this is important from receipt to design verification and the delivery of the finished product.

Incomplete information on the Work Order Form or missing case requirements may delay the delivery of the product.

2. Preparing Your Case For Shipment

This section serves as a checklist for the mandatory case contents.

3. Structure Type

The information in this section provides BIOMET 3i with the desired design of the BellaTek® Bar or Framework for a particular type of prosthesis.

4. Case Information

This section is important for the scanning and design process. Providing accurate information regarding the tooth position of the implants, implant brand and size or abutment type will expedite the process of order entry, design and completion.

5. Design Instructions

Illustrations of the occlusal view for both a mandible and maxilla are provided in this section. Please sketch the BellaTek Bar or Framework with implant positions and attachment or clip positions. Please use the legend provided.

The following cases will be returned to the laboratory:

1. Cases with more than 10 implants
2. Greater than 30° divergence between implants
3. Less than 7mm of interarch distance
4. More than 4mm of tissue depth

6. Special Instructions

Please provide any special information necessary to ensure the proper design of the BellaTek Bar or Framework. This may include path of insertion information or malocclusion. Additional instructions are also welcome. **(Please note that additional instructions do not replace the mandatory sections on the prescription form.)**

7-8. BIOMET *3i* Screw And Attachment Ordering

This section identifies the screw preference and quantity. Please order screws for this case only. Polishing protectors and attachments are also available in this section. **If components or screws other than the BIOMET *3i* Brand are preferred, the laboratory will be responsible for ordering those from the specific implant or component manufacturer.**

9. Certification

This signature denotes that the technician and clinician have verified the master cast for accuracy by trying in a verification index intraorally. **This signature is mandatory. BIOMET *3i* will not fabricate a BellaTek Bar or Framework without this certification from the laboratory.**

Work Order Forms are also available at www.biomet3i.com

10. Prescribing Clinician Signature (Specialty Devices Only)

If your BellaTek Bar or Framework is identified as a specialty device, you will be asked to obtain the prescribing clinician's signature in this section or send us the clinician's prescription form. Please see the BellaTek Bars and Frameworks Design Matrix on page 6 of this manual verifying that the design instruction in Section 5 of the Work Order Form falls within the stated parameters.

BellaTek® Bars & Frameworks

Work Order Form Instructions (Cont'd)

DO NOT PHOTOCOPY - Request your editable form to Customer Service Department

BellaTek® **Bars** — **Work Order**

1. Lab Information

Prescribing Clinician Zip Code:_____

Patient ID#_____

Bill To:

Account Name_____

Account#_____

Contact_____

Address_____

_____

City_____State_____Zip_____

Phone_____

Email_____

Ship To: ❑ Same Address As **Bill To**

Name_____

Address_____

_____

City_____State_____Zip_____

2. Preparing Your Case For Shipment

IMPORTANT:
- **Only use new implant analogs.**
- **Please do not send the articulator.**
- **Missing information or components can delay your case.**

Please include **only** the following items:
- ❑ Copy of the completed Work Order
- ❑ Verified/accurate soft-tissue cas
- ❑ Resin pattern if CopyMill Bar is desired
- ❑ Verified denture wax set-up, decontaminated
- ❑ Decontaminated intraorally verified index

Send to: BIOMET Spain BellaTek® Dpt.
Calle Islas Baleares, 50
46988 Fuente del Jarro (Valencia), Spain

*3. Structure Type

*See Compatibility Chart in the Procedure and Laboratory Manual (ART868)

Overdentures
- ❑ Hader
- ❑ Dolder® U shape Macro ___ 2.2mm
- ❑ Dolder Eggshape Macro ___ 2.2mm
- ❑ Primary ___° Taper
- ❑ Hader anterior, Primary distal
- ❑ Dolder anterior, Primary distal

Fixed Solutions
- ❑ Hybrid #1
- ❑ Hybrid #2
- ❑ Wrap Around
- ❑ Free Form
- ❑ CopyMill Cobalt Chrome (Ceramic veneering)
- ❑ CopyMill Commercially Pure Titanium (Ceramic veneering)
- ❑ CopyMill Titanium Alloy (Acrylic finishing)

By submitting this order, you acknowledge and agree that **CopyMill Bars** are designed by the lab/ordering physician. The requested design derived from the submitted resin pattern may fall outside of the design matrix tested by BIOMET *3i*. In such cases, it will be appropriately identified on the final labeling as a **SPECIALTY** medical device.

*4. Case Information

*See Compatibility Chart in the Procedure and Laboratory Manual (ART868)

Tooth Position	Implant Brand	Implant System	Implant Platform Diameter		Abutment Type
				or	
				or	
				or	
				or	
				or	
				or	
				or	
				or	

5. Design Instructions

- See the BellaTek Bars and Frameworks Design Matrix (ART868EU)
- Maximum implant divergence is 30°

Distal Extensions

Patient's Left
- ❑ To 2nd bicuspid
- ❑ To 1st molar
- ❑ To 2nd molar
- ❑ Specify in mm = _____mm

Patient's Right
- ❑ To 2nd bicuspid
- ❑ To 1st molar
- ❑ To 2nd molar
- ❑ Specify in mm = _____mm

Space Between Tissue And Bar

Distance
- ❑ As close as possible
- ❑ Specify in mm = _____mm

Shape
- ❑ Follow tissue contour
- ❑ Straight

Bar Height
- ❑ Specify in mm = _____mm (min. height 2.5mm)

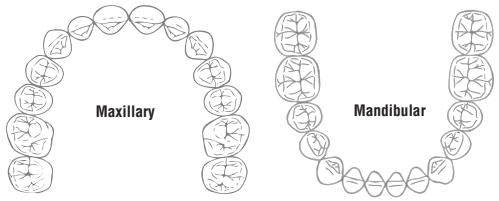
Tap Areas For Attachments

Occlusal Taps
- ❑ LOCATOR®
- ❑ TSB Ball
- ❑ Ceka® M3
- ❑ 1.4mm 0.3 Tap for GSH30
- ❑ 2.0mm 0.4 Tap for UNIHT

Vestibular Taps
- ❑ Swiss-loc drill only
- ❑ Lew Passive
- ❑ 1.5mm no tap drill only
- ❑ 2.2mm Bredent VKS

❑ Design bar according to the drawings below

● = Implant Position ■ = Clip Placement ▲ = Attachment



6. Special Instructions

_____

_____

_____

❑ Please see back or attached page.

7. BIOMET 3i Screw Ordering

Contact manufacturer for screws not made by BIOMET *3i*.

❑ I would not like to order screws at this time.

Certain® Abutment Screws	Qty.
Gold-Tite® Hexed Large Diameter (ILRGHG)	_____
Titanium Hexed Large Diameter (ILRGHT)	_____
External Hex Abutment Screws	
Gold-Tite Square (UNISG)	_____
Gold-Tite Hexed (UNIHG)	_____
Titanium Hexed (UNIHT)	_____
Laboratory Square Try-in Screw - 5 pack (UNITS)	_____

Retaining Screws		Waxing Screws	
Gold-Tite, 2mm(H) (GSH20)	____	Certain - Implant Level, 16mm (IWSU30)	_____
Gold-Tite, 3mm(H) (GSH30)	____	Ex Hex - Implant Level, 15mm (WSU30)	_____
Gold-Tite, 7mm(H) (GSH70)	____	Abutment Level, 10mm (WSK10)	_____
Low Profile Gold-Tite (LPCGSH)	____	Abutment Level, 15mm (WSK15)	_____
Low Profile Titanium (LPCTSH)	____	Low Profile Abutment (LPCWS)	_____

8. Attachment Ordering

	Qty.
LOCATOR Bar Attachment Kit (LOAB)	_____
Hader Clip Gold (ORCG1)	_____
Hader Clip Plastic (ORCY1)	_____

9. Certification

I certify that the analog positions on the cast and the wax try-in have been verified for accuracy and the stated information is correct. All items that have contacted the oral environment have been decontaminated. This form authorizes BIOMET *3i* to fabricate the BellaTek Bar using and consistent with the information provided on this Work Order. I have reviewed the applicable Procedure and Laboratory Manual (ART868) for this product.

10. Prescribing Clinician Signature (Specialty Devices Only)

If your BellaTek Bar or Framework is identified as a specialty device, please obtain the prescribing clinician's signature below or send us the clinician's prescription form.
I authorize BIOMET *3i* to manufacture the item requested on this form and provide all necessary information to complete this order. I certify that the custom product specified will be used solely for the identified patient.

Clinician's Name: _____

Clinician's Signature: _____

Date: _____

Job #_____

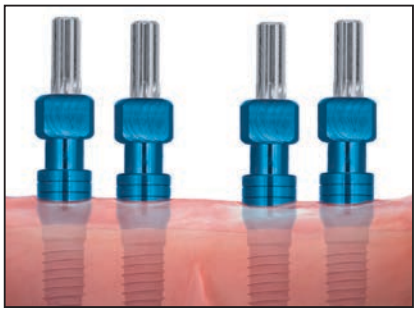
Issued By_____

BIOMET 3i™ PROVIDING SOLUTIONS – ONE PATIENT AT A TIME™

ART880EU
REV I 06/13

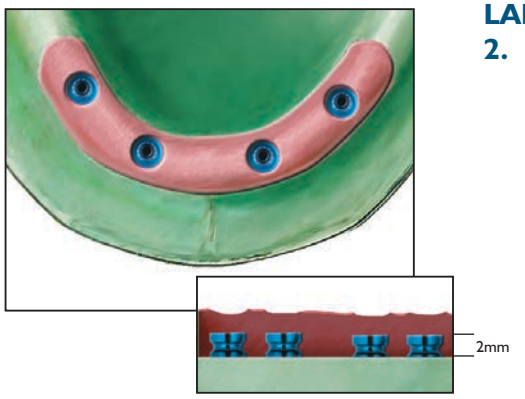
BIOMET 3i™ PROVIDING SOLUTIONS – ONE PATIENT AT A TIME™

Procedures & Laboratory Instructions



RESTORATIVE DENTIST - 1st Visit

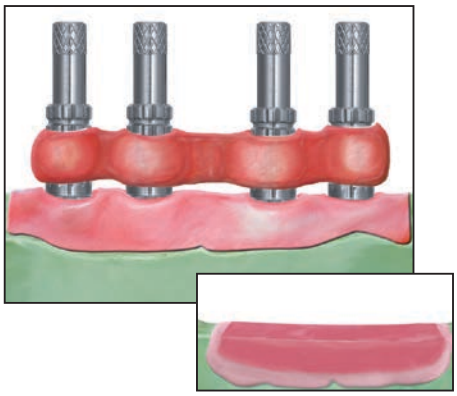
1. See the BIOMET 3i™ Restorative Manual (CATRM) or consult the specific implant system manual for abutment placement and abutment level or implant level impression instructions.



LABORATORY

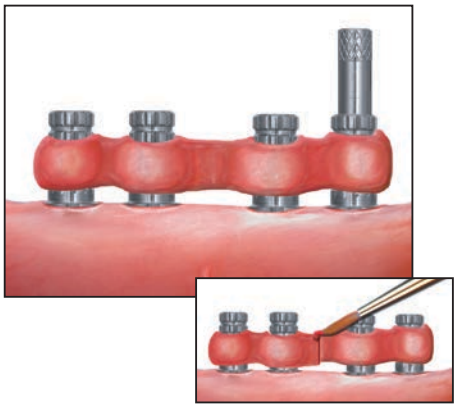
2. Fabricate a soft tissue master cast as illustrated using new, undamaged analogs. Using old, damaged or loose fitting analogs can interfere with the scanning and design process and may prevent the bar or framework from properly seating. Cases received with either damaged or insufficiently anchored analogs will be returned to the laboratory.

NOTE: **The soft tissue material on the master cast must be applied approximately 2mm down from the analog restorative interface. It must also be easily removable for the scanning and design process to ensure an accurate fit.**



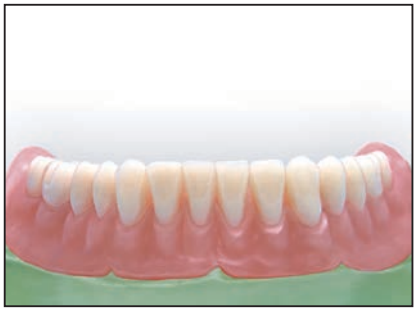
3. Place non-hexed titanium implant or abutment temporary cylinders onto the analogs and screw them into place with waxing or try-in screws. Fabricate a rigid verification index by luting the cylinders together using a light cure composite resin or autopolymerizing acrylic resin. Also, fabricate a record base with a wax occlusion rim. Return the verification index for intraoral fit verification and the wax occlusion rim for interocclusal records.

Procedures & Laboratory Instructions (Cont'd)



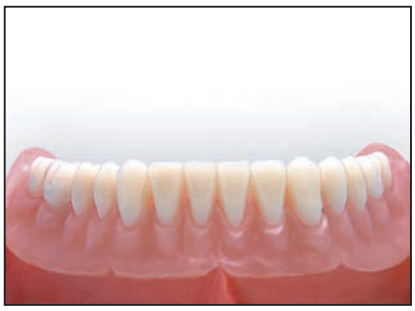
RESTORATIVE DENTIST - 2nd Visit

4. Remove the healing abutments or caps using the proper driver. Place the wax occlusion rim into the mouth and make the interocclusal records. Place the verification index onto the implants or abutments. Place a try-in screw into the posterior-most cylinder of the verification index and finger-tighten. Visually, verify a passive fit on all interfaces. If the interfaces are subgingival, take a radiograph to verify a passive fit. Remove the screw and place it into the opposite posterior-most cylinder of the verification index and repeat. If a fit discrepancy is found, section the index and reassemble it intraorally by luting it with a resin material. Remove the index. Immediately replace the healing abutments or caps.



LABORATORY

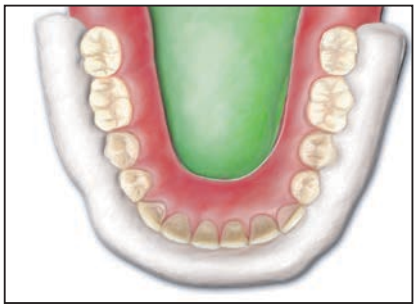
5. Verify that the analog positions on the cast are accurate using the verification index. If a fit discrepancy is found, remove the analog(s) and replace it in the cast using the corrected verification index. Articulate the casts using the interocclusal record. Set the denture teeth on the record base and return the wax denture for try in. If the analogs are not accurate in the master cast, remove the analogs from the cast, re-attach them to the verification index and re-seat the index onto the accurate analogs. Inject dental stone around the analog(s) and allow it to set. The cast is now considered to be accurate. Set the denture teeth on the record base and return the denture set-up on the record base for the wax try-in.



RESTORATIVE DENTIST - 3rd Visit

6. Remove the healing abutments or caps and place the wax try-in into the mouth. Verify occlusion, aesthetics and phonetics. Make any necessary adjustments. If major adjustments are necessary, make a new interocclusal record and return the wax denture to the laboratory for remounting of the casts, a new set-up and a second wax try-in.

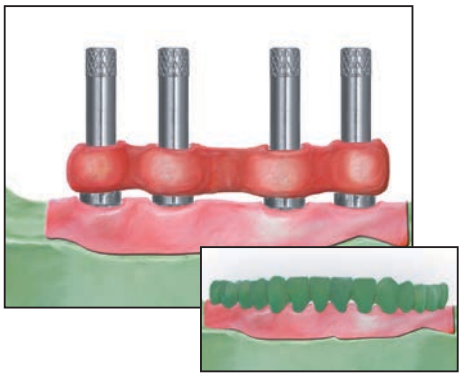
Procedures & Laboratory Instructions (Cont'd)



LABORATORY

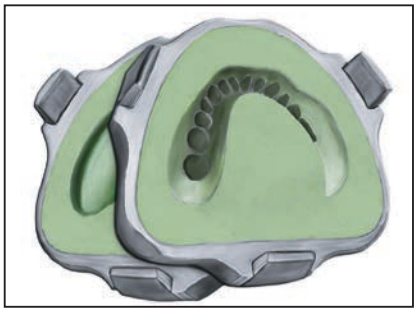
7. Place the verified wax denture on the cast and make a silicone or plaster matrix of the tooth positions. **Do not remove the teeth from the wax denture. Do not ship the matrix to BIOMET 3i™. If requesting fabrication of a virtual designed BellaTek® Bar or Framework, go to step 11.**

If requesting fabrication of a BellaTek® Copymilled Bar or Framework, go to the next step.



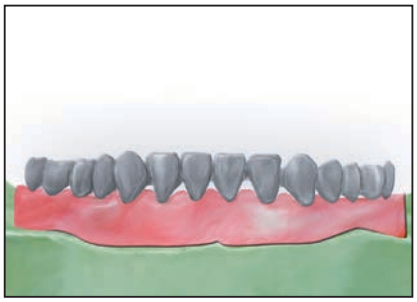
BELLATEK COPYMILLED BARS & FRAMEWORKS

8. Place the verification index on the implant or abutment analogs and screw it into place with waxing screws. Reduce the height of the temporary cylinders using a carbide bur so that these fit within the confines of the silicone matrix. Apply a separator to the inside of the matrix of the wax denture and place it on the cast. Pour wax into the impressions of the teeth in the matrix and around the verification index. Remove the matrix and complete the wax pattern of the bar or framework on the lingual or palatal surface.



9. Flask the wax denture for processing. Boil the flask and remove the wax from the flask. Remove the verification index and remove the Temporary Cylinders from the index. Place each temporary cylinder back on the analogs with waxing screws. Process the wax denture in acrylic resin. Please use light tooth colored acrylic resin for scanning purposes.

Procedures & Laboratory Instructions (Cont'd)



10. Finish the resin pattern of the framework to the desired contours. Make a laboratory silicone matrix of the facial surfaces of the teeth and buccal/facial contours of the wax denture. For porcelain applications, cut the teeth back approximately 2mm. The amount of the cut-back will be dependent on the specifics of the framework design for individual patients. Place the matrix on the cast periodically as a guide for proper contouring and cut-back contours/ thickness. On the BellaTek Bars and Frameworks Work Order Form, please indicate whether it will be processed for acrylic resin or a porcelain application. The default is acrylic resin.


BellaTek Bars

Work Order

11. Complete the BellaTek® Bars & Frameworks Work Order Form. See page 12 for an example. Package the following items securely in a box:

- Copy Of The Work Order Form
- Verified Soft Tissue Master Cast Unmounted*
- Verified Wax Denture
- Verification Index

*Casts should be unmounted because BIOMET 3i will mount these for scanning purposes. If casts are sent mounted, some may need to have mountings removed from the cast, requiring remounting and articulating at a later point. This process may break the cast.

PLEASE DO NOT SEND:

- The Articulator
- The Opposing Cast

NOTE: All items and/or materials that have been used intraorally must be decontaminated following manufacturer's instructions before these are sent to BIOMET ***3i***.

Send to:

In Europe:
BIOMET ***3i*** Dental Iberica
BellaTek Production Center
Calle Islas Baleares, 50
46988 Paterna
Valencia, Spain
34-96-137-95-00

In USA:
BellaTek Production Center
4555 Riverside Drive
Building B
Palm Beach Gardens
Florida, USA 33410
1-800-342-5454

In Canada:
BIOMET ***3i*** Canada, Inc.
5805 St. Francois
St Laurent, Québec
CANADA H4S 1B6
1-800-363-1980 Ext. 230

BIOMET 3i™
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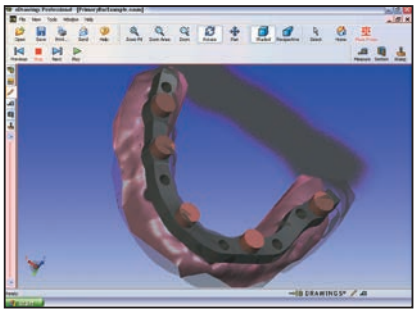
Procedures & Laboratory Instructions (Cont'd)



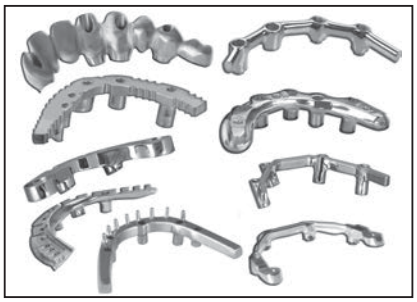
BellaTek® BAR VIRTUAL DESIGN

12a. The soft tissue master cast and the verified wax denture are scanned and transferred into the CAD software. The BellaTek® Bar is designed in CAD according to the Work Order Form provided.

BELLATEK COPYMILLED BAR OR FRAMEWORK DESIGN

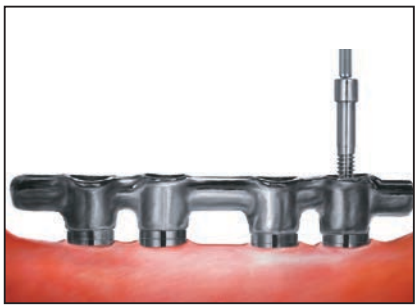
12b. The acrylic resin or framework is scanned, transferred into the CAD software and designed to match the acrylic resin or framework.

A link for virtual viewing of the BellaTek Bar or Framework Design will be sent via email for a 24-hour preview and design verification (See pages 6-10 for viewing instructions).



13. Following the preview period, the design file is transferred to a milling machine for fabrication. After milling is complete, the BellaTek Bar or Framework is finished and polished. The BellaTek Bar or Framework, any requested components and case materials that are sent to BIOMET 3i™ are returned to the laboratory.

The laboratory may send the BellaTek Bar or Framework to the restorative dentist for intraoral try in or set the teeth directly onto the bar. The clinician may do the framework try-in alone or combine the framework try-in with the denture tooth try-in to save one appointment. Once the try-in is completed and the framework fit and aesthetics are verified, the prosthesis may be processed in a conventional manner.



RESTORATIVE DENTIST - 4th Visit (Optional)

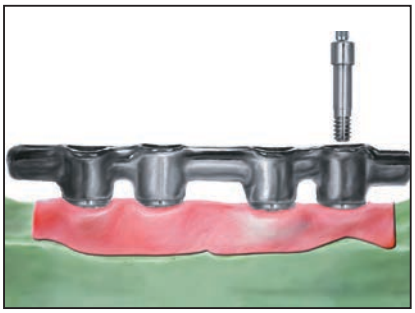
14. Remove the healing abutments or healing caps. Place the BellaTek Bar or Framework onto the implants or abutments. Thread a try-in screw into the posterior-most access opening until finger-tight. Visually verify a passive fit on all interfaces. If interfaces are subgingival, take a radiograph to verify a passive fit. Remove the screw and place it into the opposite posterior-most access opening of the bar or framework and repeat.

NOTE: **If a fit discrepancy is detected during bar try-in, one of the following corrective measures may be used.**

1. The BellaTek Bar or Framework may be sectioned and reassembled intraorally. Then the analog(s) in the master cast is (are) repositioned by the laboratory and a new bar or framework is fabricated.
2. A new impression is made and a new master cast is poured. Then, the verification steps must be repeated and a new bar or framework is fabricated.

Procedures & Laboratory Instructions (Cont'd)

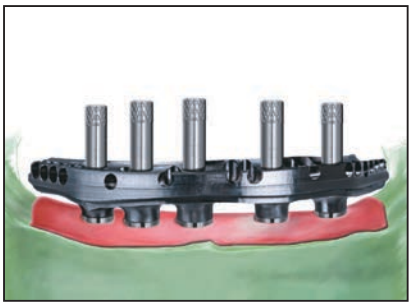
LABORATORY



Hader or Dolder® Bar

15a. Hader Or Dolder Bar Restoration

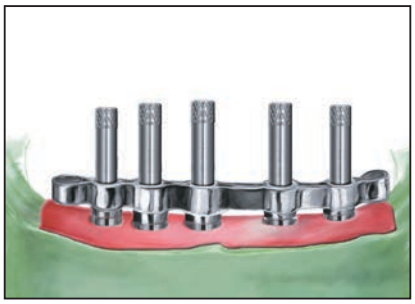
Place the wax denture onto the cast. Place the matrix onto the wax denture. Attach the teeth to the matrix. Attach the bar onto the analogs using try-in or laboratory screws. Transfer the denture teeth from the matrix directly to the bar. Attach the teeth with wax. Finish waxing the overdenture. Place the flask into the boil out tank, separate the flask and remove the wax. Block out all undercuts and access openings with wax. Place the Hader/Dolder clips or other attachments onto the bar. Process and finish the overdenture prosthesis in a conventional manner. Polishing protectors should be in place to protect the bar interfaces during all polishing procedures. Return the definitive prosthesis to the restorative dentist for delivery.



Fixed-Hybrid Bar

15b. Fixed-Hybrid Restoration

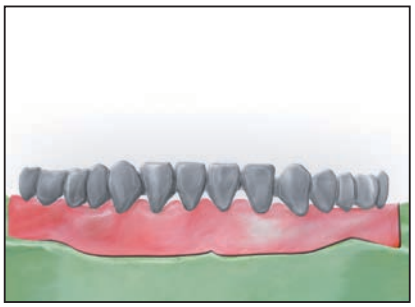
Place the wax denture onto the cast. Make a lab matrix of the denture teeth positions. Remove the denture teeth from the wax denture and place them into the matrix. Attach the framework onto the analogs using try-in or laboratory screws. Place the matrix with denture teeth back onto the cast and attach the denture teeth to the framework. Finish waxing, then flask, boil out and process the fixed hybrid prosthesis with denture acrylic resin. Place the polishing protectors; finish and polish conventionally.



Milled Primary Bar

15c. Milled Primary And Secondary Bar Restoration

Make a lab matrix of the denture teeth positions. Remove the denture teeth from the wax denture and place into the matrix. Attach the primary bar onto the analogs using try-in or laboratory screws. Seal the access openings with wax; block-out undercuts related to the framework. Place the matrix with the denture teeth back onto the cast and wax the denture teeth to the framework. Finish waxing, then flask, boil-out and process the removeable overdenture with denture acrylic resin. Place polishing protectors; finish and polish conventionally. Return the framework and prosthesis to the restorative dentist for insertion.



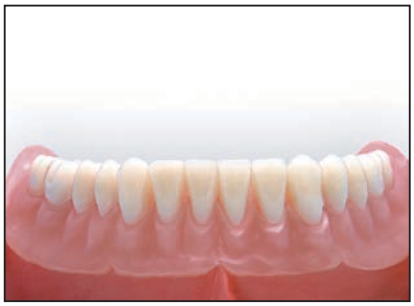
BellaTek Copymilled Framework

15d. BellaTek® Copymilled Framework

Place the BellaTek® Copymilled Framework onto the cast and screw it into place using try-in screws. Place the cast on the articulator. Opaque and build porcelain on the framework or apply acrylic resin. Place the matrix on the cast periodically as a guide for proper contouring. Stain and glaze the porcelain or polish the acrylic resin.

NOTE: For products provided non-sterile requiring sterilization prior to use, use a steam gravity sterilization – minimum fifteen (15) minutes at a temperature of 132-135°C, or pre-vacuum sterilization method – minimum four (4) minutes (four pulses) at a temperature of 132-135°C. Post sterilization, devices should be thoroughly dried for 30 minutes.

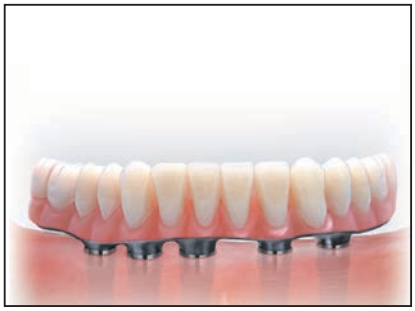
Procedures & Laboratory Instructions (Cont'd)



RESTORATIVE DENTIST

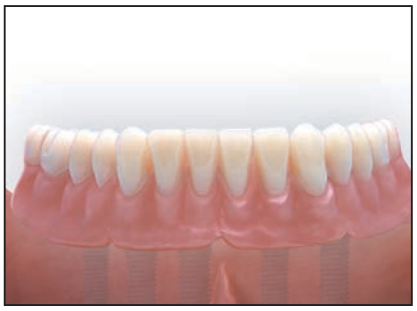
16a. Hader Or Dolder® Bar Restoration

Remove the healing abutments or caps from the implants or abutments. Place the bar onto the implants or abutments. Thread the abutment or retaining screws into the implants or abutments until finger-tight using the manufacturer's recommended driver. Visually verify a passive fit on all interfaces. If the interfaces are subgingival, take a radiograph to verify a passive fit. Torque the screws to the recommended level with a torque device following the manufacturer's instructions. Place the overdenture onto the bar engaging the attachments. Make any occlusal adjustments as needed. Instruct the patient on insertion and removal of the prosthesis and on proper oral hygiene.



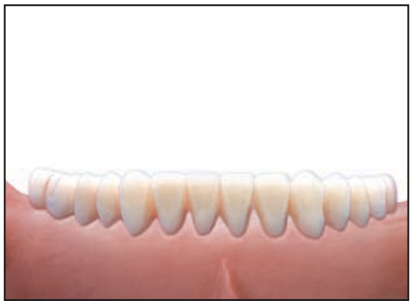
16b. Fixed-Hybrid Restoration

Remove the healing abutments or caps from the implants or abutments. Place the fixed-hybrid prosthesis onto the implants or abutments. Thread the abutment or retaining screws into the implants or abutments until finger-tight using the manufacturer's recommended driver. Visually verify a passive fit on all interfaces. If the interfaces are subgingival, take a radiograph to verify a passive fit. Torque the screws to the recommended level with a torque device following the manufacturer's instructions. Make any occlusal adjustments as needed. Place a protective material over the screw access openings. Seal the access openings with composite resin and polish. Instruct the patient on proper oral hygiene.



16c. Milled Primary And Secondary Bar Restoration

Remove the healing abutments or caps from the implants or abutments. Place the primary bar onto the implants or abutments. Thread the abutment or retaining screws into the implants or abutments until finger-tight using the manufacturer's recommended driver. Visually verify a passive fit on all interfaces. If the interfaces are subgingival, take a radiograph to verify a passive fit. Torque the screws to the recommended level with a torque device following the manufacturer's instructions. Place the secondary prosthesis onto the bar, engaging the attachments. Make any occlusal adjustments as needed. Instruct the patient on insertion and removal of the prosthesis and on proper oral hygiene.



16d. BellaTek® Copymilled Framework

Remove the healing abutments or caps from the implants or abutments. Place the Copymilled Bridge onto the implants or abutments. Thread the abutment or retaining screws into the implants or abutments until finger-tight using the manufacturer's recommended driver. Visually verify a passive fit on all interfaces. If the interfaces are subgingival, take a radiograph to verify a passive fit. Torque the screws to the recommended level with a torque device following the manufacturer's instructions. Make any occlusal adjustments as needed. Place a protective material over the screw access openings. Seal the access openings with composite resin and polish. Instruct the patient on proper oral hygiene.

Try BellaTek® Bars & Frameworks!

To Learn More, Please Visit:
www.bellatek.biomet3i.com

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