

bars & frameworks customer manual



BIOHORIZONS[®]
SCIENCE • INNOVATION • SERVICE

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BARS & FRAMEWORKS INTRODUCTION

Bars & Frameworks Overview

CAD/CAM Patient Specific Restorations are the future of restorative implant dentistry and BioHorizons is leading the way with Bars and Frameworks. These superstructures provide simplified laboratory procedures for implant overdentures, fixed-hybrid prostheses and fixed prostheses.

With precision difficult to match using conventional laboratory techniques, BioHorizons Bars and Frameworks are one-piece milled titanium alloy 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.

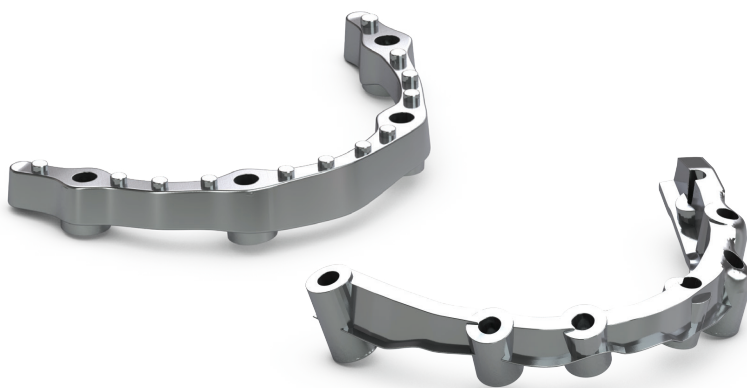
BioHorizons validated milling centers design bars and frameworks in CAD from a laboratory or clinician submitted order form and then send the design electronically to the customer for design verification. After verification, the CAD design is milled into a bar or framework. Then it's ready for overdenture processing or the addition of porcelain or acrylic resin with minimal finishing required by the customer.

Copy-milled Design

Laboratory technicians can create their own unique bar or framework design with a resin pattern and send it to a BioHorizons validated milling center with the master cast to be scanned and milled. Using a copy-milling technique, the milling center creates a one-piece, titanium alloy replica of the design provided, to fit the master cast.

BioHorizons Bars & Frameworks

- designed passive fit
- no soldered or welded joints
- lightweight
- CAD/CAM precision
- no capital investment
- laboratory design control
- no waxing and casting
- biocompatible alloy

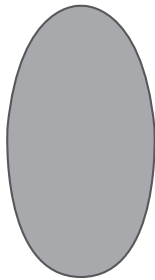


BARS & FRAMEWORKS DESIGNS

Design Options

BioHorizons Bars and Frameworks are compatible with all internal implant systems and match a wide variety of implant and abutment connections.

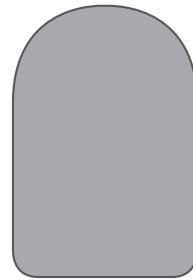
Ellipse



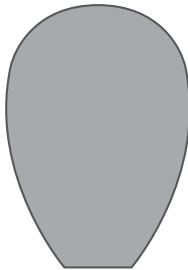
Dolder



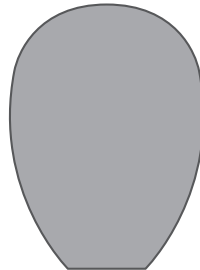
C+M Dolder Macro



C+M Eggshape Micro



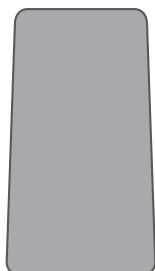
C+M Eggshape Macro



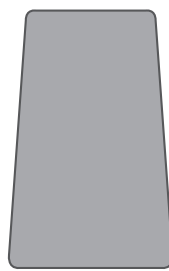
Primary Bar Straight



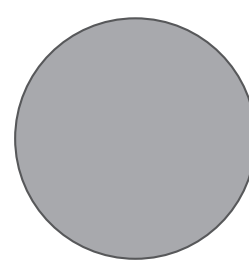
Primary Bar 2° Tapered



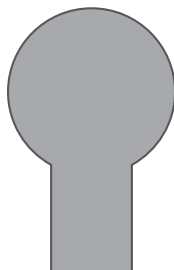
Primary Bar 4° Tapered



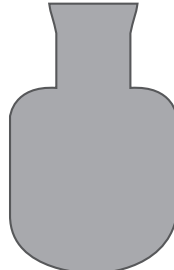
Round 3.0mm



Hader Bar 3mm



Fixed Implant Denture



Freeform

As specified by the prescribing clinician within controlled design limitations

BARS & FRAMEWORKS DESIGN MATRIX

Implant Level Bars

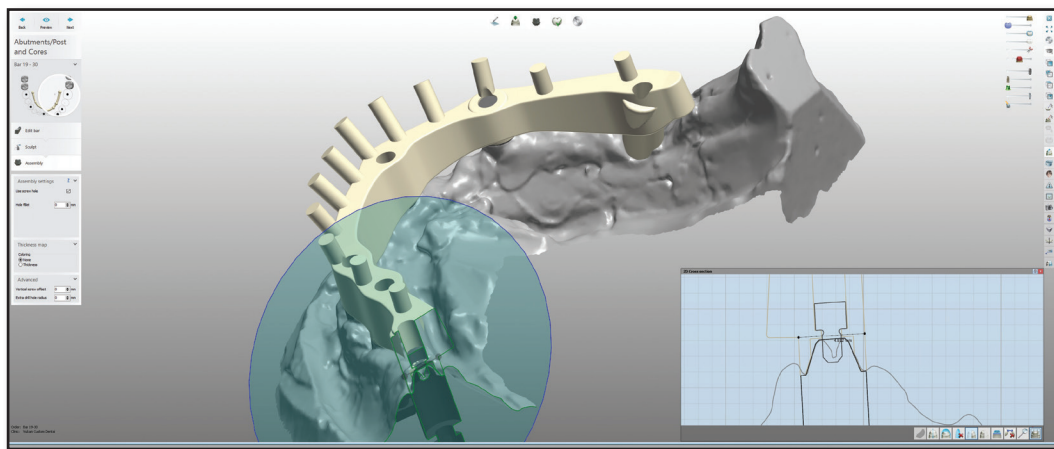
	Description	Minimum	Maximum
A	Platform Seating Diameter	3.0mm	5.7mm
B	Total Cylinders	2	10
C	Bar Span Between Cylinders	0mm	30mm
D	Bar Height incl. Cylinder	2.5mm	11mm
E	Maximum Angulation Per Cylinder*	0°	20°
F	Cylinder Diameter	3.0mm	10.0mm
G	Distal Extension	0mm	1.5x AP Spread

*Does not apply to third-party compatible implant lines.

Abutment Level Bars

	Description	Minimum	Maximum
A	Platform Seating Diameter	4.8mm	7mm
B	Total Cylinders	2	10
C	Bar Span Between Cylinders	0mm	30mm
D	Bar Height incl. Cylinder	2.5mm	11mm
E	Maximum Angulation Per Cylinder	0°	20°
F	Cylinder Diameter	4.8mm	10.0mm
G	Distal Extension	0mm	1.5x AP Spread

Note: BioHorizons reserves the right to reject any case request that does not meet regulatory requirements.



BARS & FRAMEWORKS ORDERING 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 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 BioHorizons with the desired design of the 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

If the provided instructions do not comply with the design parameters provided on page 3, then a clinical prescription must be provided with the case.

Please provide any special information necessary to ensure the proper design of the 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)

6) 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. BioHorizons will not fabricate a Bar or Framework without this certification from the laboratory.**

BARS & FRAMEWORKS ORDERING INSTRUCTIONS



[My Cases](#) [New Case](#) [Account](#) [Release Notes](#) [Log Out](#)

New Case

Please enter the case details below. Once you click the "Submit Case" button, your estimated return date will appear here.

Submitted Accepted At Lab In Production Shipped

Your Order Reference

Bar example * Typically this is the case or pan # from your lab management system

Restorations

Group

☐ BioH Hybrid Restorations

☐ BioH Ti Abutments

☐ Crown & Bridge

☐ CAMLOG Ti Abutments

☐ CAMLOG Hybrid Restorations

☐ 3D-Printed Model

☒ Full Arch Solutions

☐ Vulcan Surgical Guides

☐ Custom Tissue Formers

Product

Custom Titanium Bar, 4-units/more

Teeth

04 07 10 13

Upper Right

Upper Arch

Upper Left

Lower Right

Lower Arch

Lower Left

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17

Notes

OK

Cancel

Documents

No Documents

Add

Shipping

Ship Date This is the date you will ship the case to the lab

☒ Today

☐ Tomorrow

☐ Other

☐ Not Applicable i.e. digital impression *

Notes

☐ I agree to the [terms and conditions](#) of sending this case to the lab.

Case Messages

Direct Offices

BioHorizons USA
888-246-8338 or
205-967-7880

BioHorizons Canada
866-468-8338

BioHorizons Spain
+34 91 713 10 84

BioHorizons UK
+44 (0)1344 752560

BioHorizons Chile
+56 (2) 23619519

BioHorizons Italy
800-063-040

BioHorizons Mexico
800-953-0498

Distributors

For contact information in our 90 countries, visit biohorizons.com



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