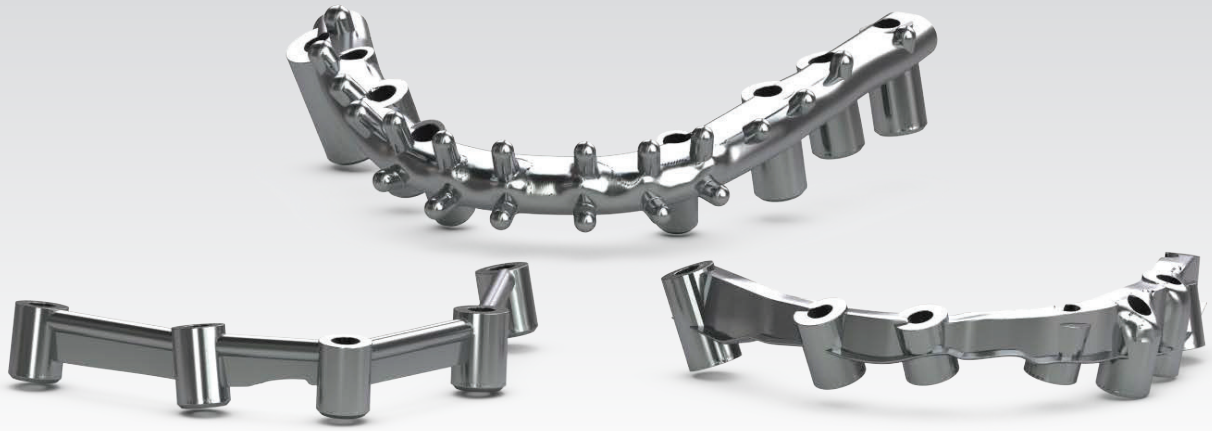

Bars & Frameworks

customer manual

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Bars & frameworks oveview

Bars & frameworks introduction

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.

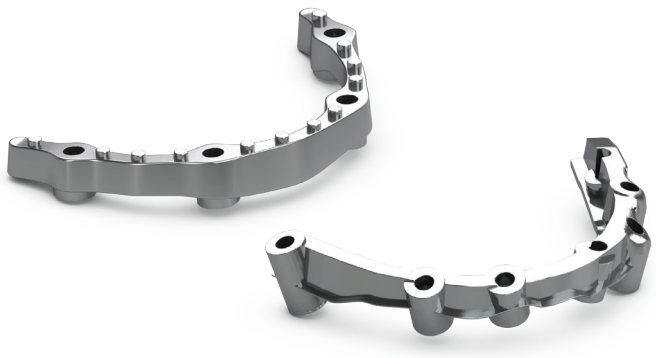
BioHorizons validated milling centers design bars and frameworks in CAD from a laboratory or clinician submitted order form and then send the design electronically to the customer for design verification. After verification, the CAD design is milled into a bar or framework. Then it's ready for overdenture 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

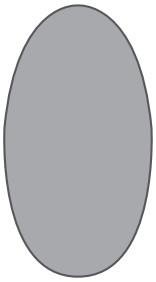


Bars & frameworks designs

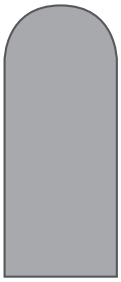
Design options

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

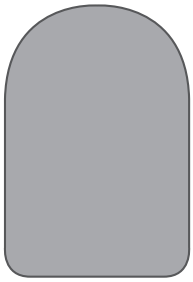
Ellipse



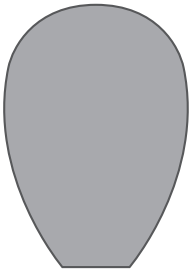
Dolder



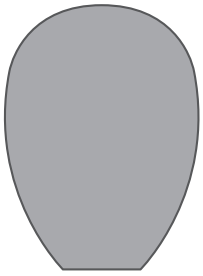
C+M Dolder Macro



C+M Eggshape Micro

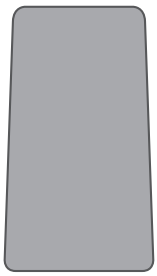


C+M Eggshape Macro

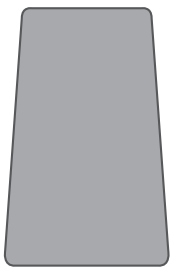


Primary Bar Straight

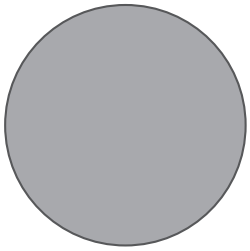
Primary Bar 2° Tapered



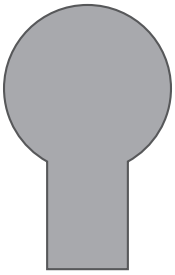
Primary Bar 4° Tapered



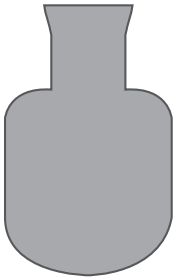
Round 3.0mm



Hader Bar 3mm



Fixed Implant Denture



Freeform

As specified by the prescribing clinician within controlled design limitations

Bars & frameworks design matrix

Implant level bars

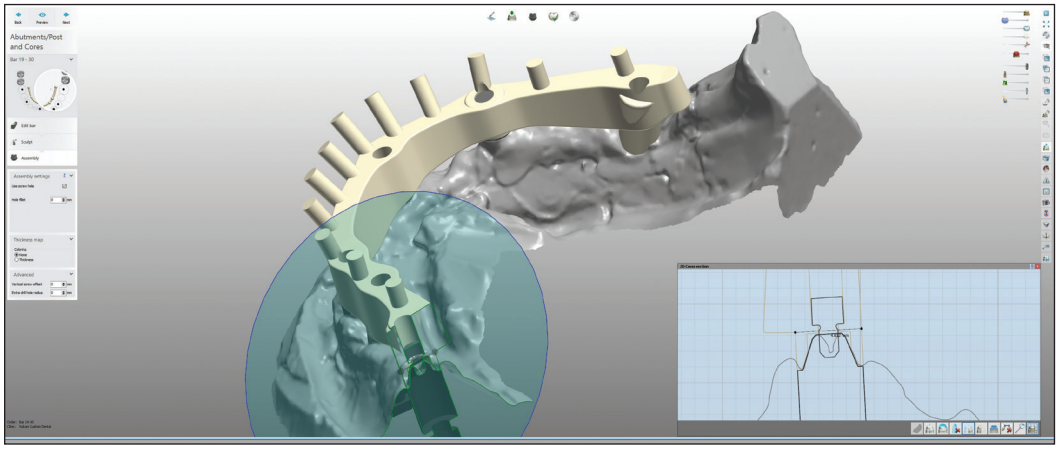
	Description	Minimum	Maximum
A	Platform Seating Diameter	3.0mm	5.7mm
B	Total Cylinders	2	10
C	Bar Span Between Cylinders	0mm	30mm
D	Bar Height incl. Cylinder	2.5mm	11mm
E	Maximum Angulation Per Cylinder*	0°	20°
F	Cylinder Diameter	3.0mm	10.0mm
G	Distal Extension	0mm	1.5x AP Spread

*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
H	Screw Channel Angulation	0°	25°

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



Impression components

Multi-unit CAD/CAM Bar Screws

PXMUPSA	**Multi-unit CAD/CAM Bar Screw**
PXMUPSA25	**Multi-unit CAD/CAM Bare SCrew (pack of 25)**

For attaching CAD/CAM bar restorations to the Multi-unit abutments. Titanium alloy. Hand-tighten or torque to 15Ncm with .050" (1.25mm) Hex Driver or Ballpoint Driver (CBDRL), depending on application. The Ballpoint Driver is required for bars with an angled screw channel.

The Multi-unit CAD/CAM bar screw will fixate a CAD/CAM Bar with either straight or angled screw channels to multi-unit abutments for currently marketed abutment level CAD/CAM bars.

Abutment Screws

PXAS	**Abutment Screw**
PXAS25	**Abutment Screw (pack of 25)**

PXAS fixates internal hex, implant level bars. Final torque: 30 Ncm with .050 (1.25mm) Hex Driver.

Notes

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