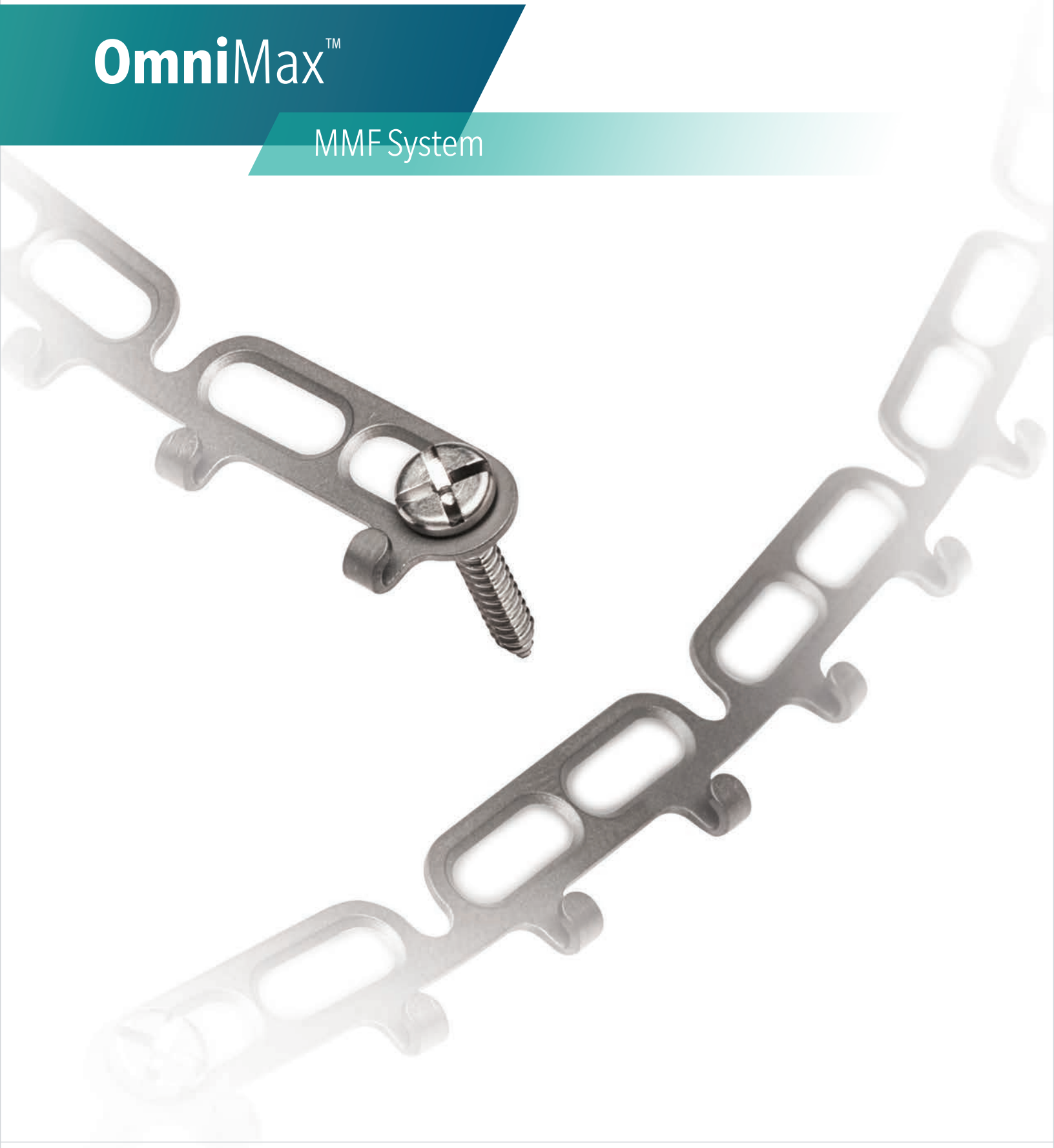
# OmniMax™

## MMF System



CMF

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## We reinvented the bar. Then we raised it.

Bone-borne arch bars offer the strength and stability of Erich arch bars combined with the speed and simplicity of IMF screws. They also provide surgeons, hospital staff and patients with several benefits:

- Reduced need for interdental wiring
- Minimized risk for penetrating wire-stick injury
- Increased OR efficiency may occur due to shortened application/removal time
- Expanded application and removal options – procedure may be performed in a hospital or office setting

It's not just what we make,

# It's what we make possible

## 1 Extended Screw Insertion Slots

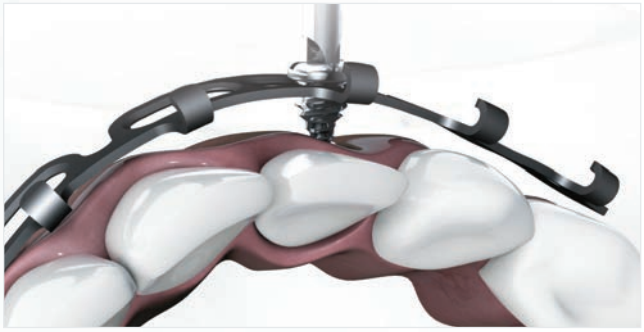
Our elongated, semi-locking slotted arch bar allows for variability in screw placement for tooth root avoidance.

## 2 Type II Anodization

OmniMax Arch Bars are Type II anodized to increase fatigue strength and offer a smooth surface that minimizes sharp edges which may reduce patient irritation.

## 3 Adjustable, Semi-Locking Technology

The unique arch bar and screw engage together to elevate the arch bar off of the soft tissue and to help prevent gingival compression.



## 4 An All-Inclusive, Adaptable MMF System

- The OmniMax MMF System includes bone-borne arch bars, Erich Arch Bars and uniquely-designed IMF screws.
- The system can be used as a stand-alone tray and is also compatible with the TraumaOne™ system for MMF procedures.
- The outer container can be easily customized to house additional surgical instrumentation or implants - adapting to your surgical preferences.

## Step 1. Determine Arch Bar Length

Deburr area on adjustment tool.

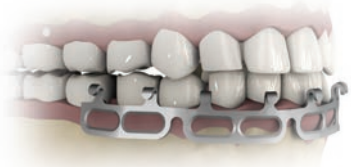
Determine length of arch bar required and cut to appropriate length, if required.

**TIP:** A deburr area can found on the side of the Adjustment Tool, item #01-0292, for smoothing of rough edges after cutting.

## Step 2. Contour The Arch Bar

Fig. 1

Fig. 2

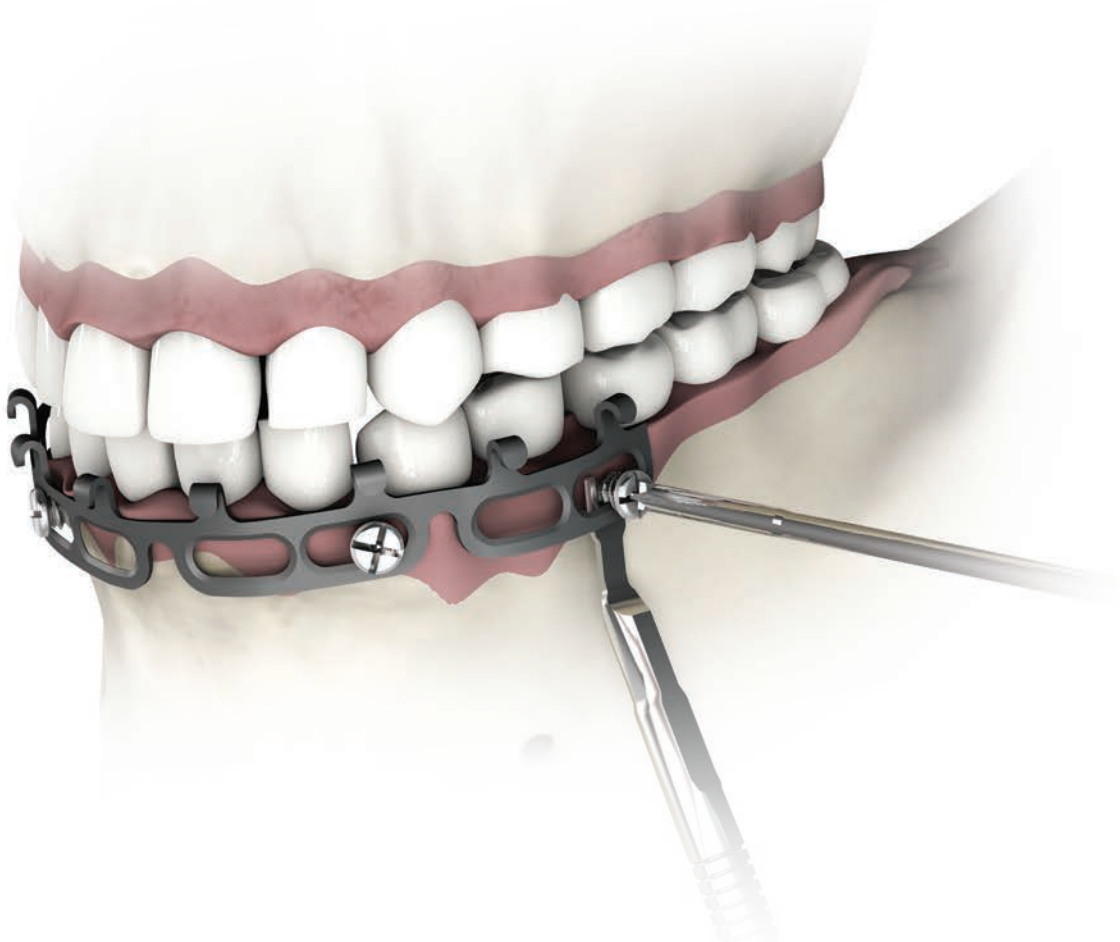


Manually contour the arch bar to approximate the shape of the maxilla or the mandible.

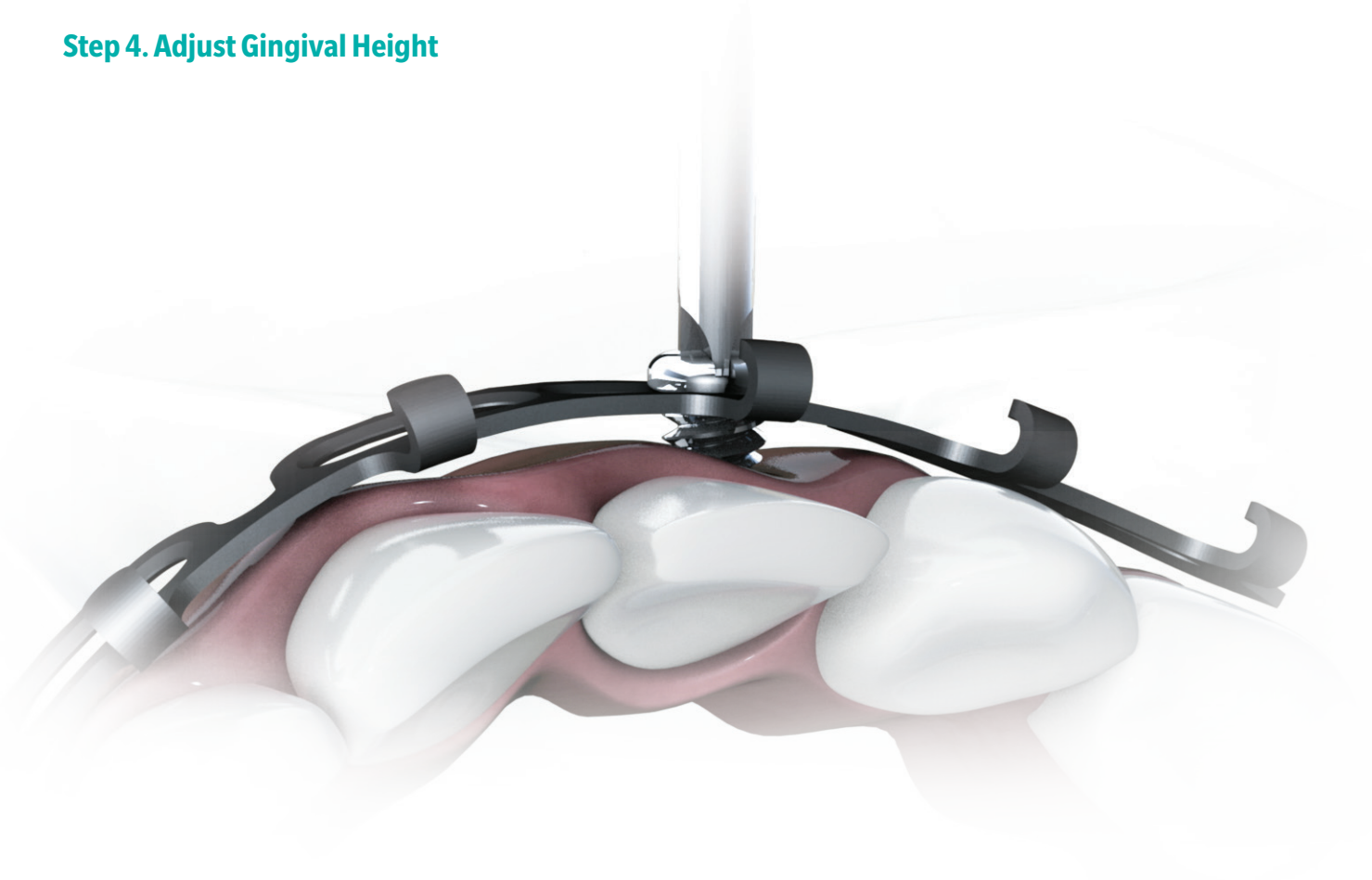
**TIP:** The arch bar may require additional contouring in the mandible to accommodate patient anatomy. See image for guidance. Perform slight in-plane bend to most posterior segment on each side (**Fig. 1**). Perform slight twist to most posterior segment on each side (**Fig. 2**).

## Step 3. Insert Screws

Insert the self-drilling screw into the bone through a single slot of the arch bar, in between tooth roots, until the bar is seated in the retention groove.
**Tip:** For screw insertion at angles in excess of 10 degrees, the Adjustment Tool helps to enable proper engagement into the bar.



## Step 4. Adjust Gingival Height



As screw engages with the arch bar, the bar is pulled towards the head of the screw until seated in the retention groove (Fig. 1, Fig. 2). Upon seating in the retention groove, the final soft tissue stand off can be adjusted by inserting the screw closer to or further away from the gingiva (Fig. 3, Fig. 4).

Fig. 1

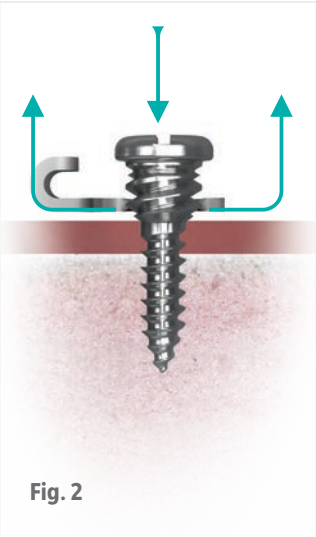


Fig. 2

Fig. 3

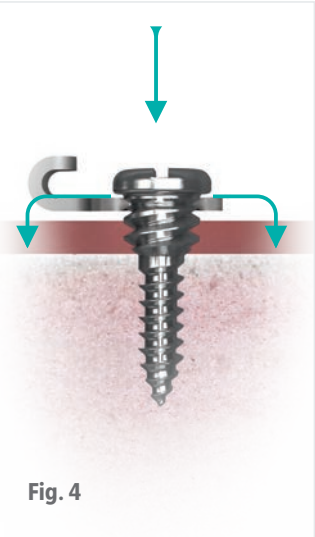
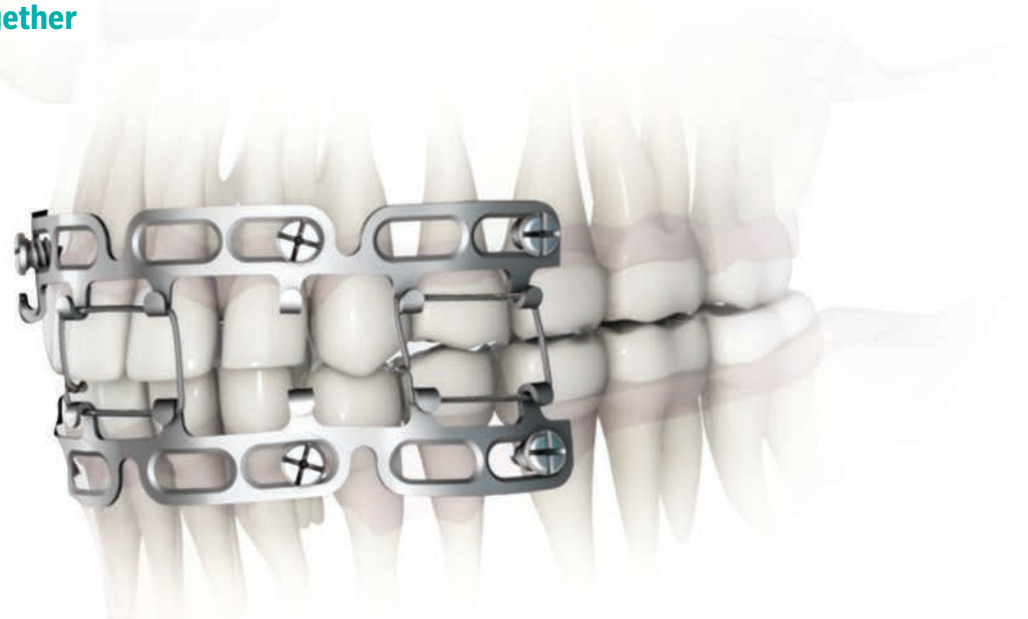


Fig. 4

## Step 5. Repeat Screw Insertion

Repeat screw insertion along the arch bars, ensuring that a minimum of three screws are used per bar and no more than two consecutive slots remain empty. Four screws per bar may be required depending on the length of the arch bar used.

## Step 6. Wire Bars Together



A minimum of two, 24-gauge ligature wires should be wrapped around the arch bar hooks between the maxilla and mandible to achieve MMF. Different gauges (up to 18 gauge wire) of wires or elastics may be used to achieve MMF. **Arch Bar Removal**: The OmniMax MMF System can be removed in the office or clinic with local anesthesia or local anesthesia with sedation at 4 to 6 weeks postoperative.

# Implants and Instruments

## 2.0mm OmniMax and IMF Screws

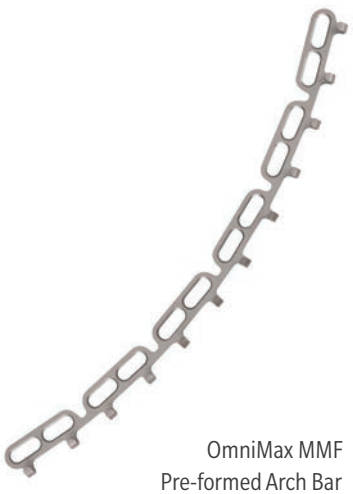
**Self-drilling OmniMax MMF Screws**

| Part No. | Description |
|---|---|
| 91-5707 | 2.0 x 7.0mm |
| 91-5709 | 2.0 x 9.0mm |
| 91-5711 | 2.0 x 11.0mm |

**Self-drilling IMF Screws**

| Part No. | Description |
|---|---|
| 91-5607 | 2.0 x 7.0mm |
| 91-5609 | 2.0 x 9.0mm |
| 91-5611 | 2.0 x 11.0mm |

## Bars and Wires

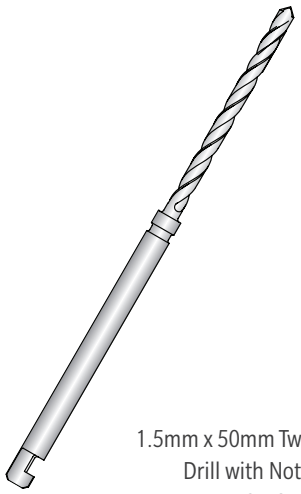


OmniMax MMF
Pre-formed Arch Bar
**01-0298**

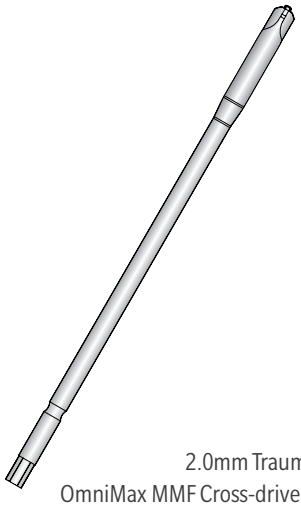
24-Gauge Ligature Wire,
Pre-stretched, 10 Pack
**01-5824**

Erich Arch Bar, 13cm , 12 Pack
**01-0295**

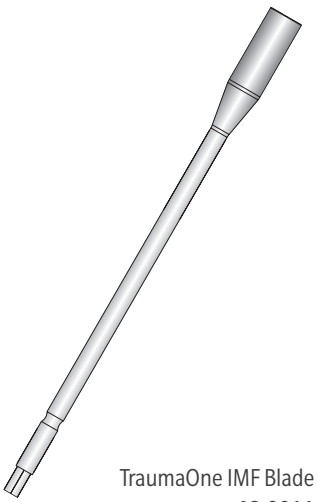
## Blades and Drills



1.5mm x 50mm Twist
Drill with Notch
**01-9196**



2.0mm TraumaOne
OmniMax MMF Cross-drive Blade
**46-1005**



TraumaOne IMF Blade
**46-0011**

Items not to scale

# Instruments

OmniMax MMF Adjustment Tool
with Deburr
**01-0292**

Wire Cutter
**51-0928**

Wire Twister
**51-6705**

U of M Tongue Depressor
and Cheek Retractor
**09-0103***

Wieder Retractor
**09-0105***

Black Ratcheting Handle
**46-0008***

Items not to scale

*Optional instrumentation may be included in Outer Container. A second ratcheting handle may be included in Outer Container.

# Containers and Tray Components


OmniMax MMF Tray
**46-2462**



OmniMax MMF Outer Container
**46-2463**

OmniMax MMF Auxiliary Tray
**46-2464**

The OmniMax MMF System is compatible with the TraumaOne system for MMF procedures.

Items not to scale

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For more information on OmniMax™ MMF and other craniomaxillofacial solutions, please contact us at:


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