

Lorenz® Plating System Mandible

2.0/2.4mm



A dark red horizontal bar containing five white icons of different Lorenz plating system components: a curved plate, a straight plate, a multi-hole plate, a double-hole plate, and a hook plate. To the right of the icons is the BIOMET logo in a stylized font, with "MICROFIXATION" written below it and the slogan "Anticipate. Innovate.™" at the bottom right.

Lorenz® Mandibular Plating System

Anticipation and innovation. These two qualities have made Biomet Microfixation an industry leader. Founded by Walter Lorenz more than thirty years ago, Biomet Microfixation offers instrumentation, plating systems and related products for a wide range of surgical procedures.

Our mandibular system combines the very latest in locking implant technology with a comprehensive offering of traditional mandibular plates and screws. The combination of these implants with innovative instrumentation and extremely flexible system design yields a mandibular plating system that covers all technique and anatomical considerations in the mandible.



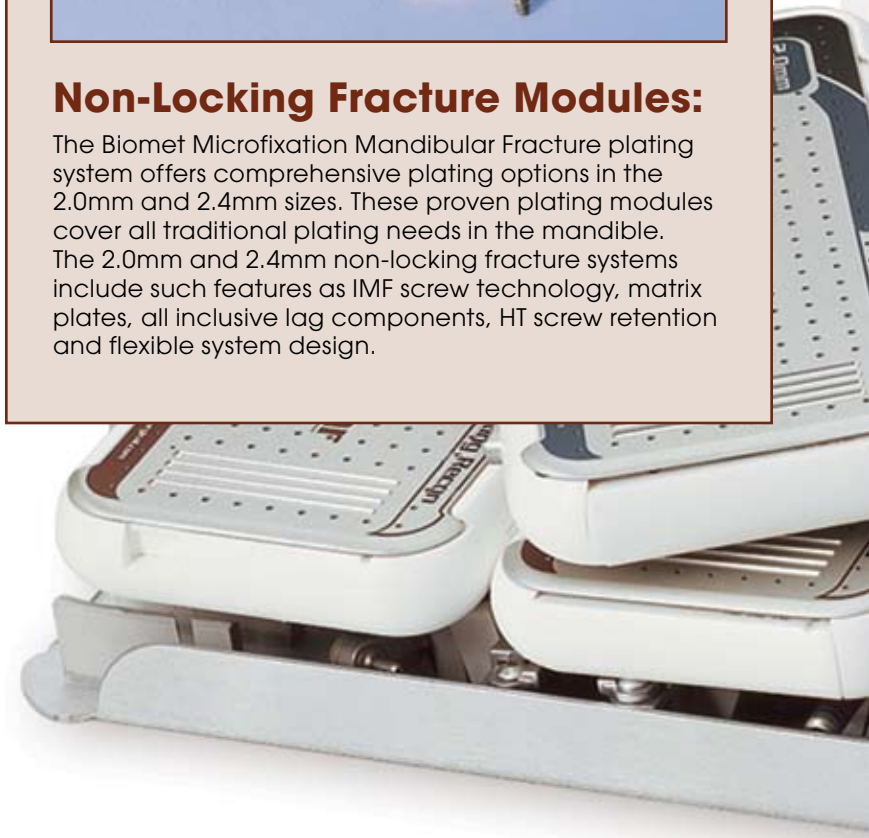
Locking Fracture and Reconstruction Systems:

The Biomet Microfixation 2.0mm Locking Fracture and 2.4mm Recon systems use the latest in locking technology to achieve unprecedented ease of use in locking implants. Unlike competitive systems, the Biomet Microfixation locking mechanism requires no drill guides, or bending inserts and grants the surgeon flexibility in drilling the pilot hole through the locking plate. These features combined with the unique HT screw technology yield an advanced locking implant system that enjoys the simplicity of traditional plates and screws.



Non-Locking Fracture Modules:

The Biomet Microfixation Mandibular Fracture plating system offers comprehensive plating options in the 2.0mm and 2.4mm sizes. These proven plating modules cover all traditional plating needs in the mandible. The 2.0mm and 2.4mm non-locking fracture systems include such features as IMF screw technology, matrix plates, all inclusive lag components, HT screw retention and flexible system design.



2.0/2.4mm



Instrumentation and system design yield the ultimate flexibility in implant placement and storage.



Locking made easy. The latest locking implants that enjoy the simplicity of traditional plates and screws and the retention of HT technology.



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2.0mm Fracture

System Features

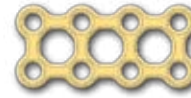
- Comprehensive plating options including matrix and compression plates
- IMF screws

Indications

- Primary mandibular fracture repair (ex. Champy technique)
- Secondary mandibular fracture repair (ex. tension band placement)



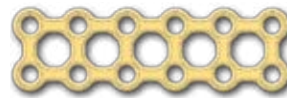
2x2 Tall Matrix
01-9272



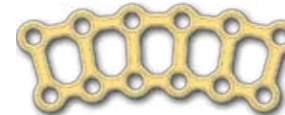
2x4 Short Matrix
01-9274



5-Hole Y-Plate
01-9250



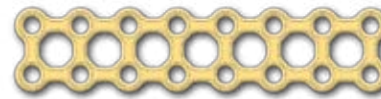
2x6 Short Matrix
01-9278



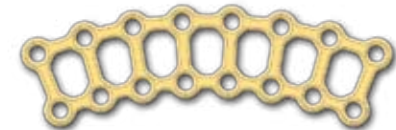
2x6 Curved Matrix
01-9280



5-Hole Y-Plate Long
01-9251



2x8 Short Matrix
01-9281



2x8 Curved Matrix
01-9285



Compression Straight Plate
4-Hole Medium
01-9282



Compression Straight Plate
6-Hole Medium
01-9286



6-Hole BSSO Curved
01-9224



16-Hole Regular
01-9216



4-Hole Medium
01-9288



6-Hole Medium
01-9289



8-Hole Medium
01-9291



8-Hole Angled Medium
01-9229



6-Hole Angled Medium
01-9228

2.0mm fracture plates are 1.0mm in profile

Items are not to scale

2.0mm Twist Drills



1.5 x 50mm 5mm Stop 01-9192	1.5 x 50mm 7mm Stop 01-9193	1.5 x 50mm 10mm Stop 01-9195
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1.5 x 50mm 22mm Stop 01-9196	1.5 x 70mm 40mm Stop 01-9197
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1.5 x 105mm 5mm Stop 01-9199	1.5 x 105mm 7mm Stop 01-9200	1.5 x 105mm 11mm Stop 01-9202
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1.5 x 105mm 22mm Stop 01-9198	1.5 x 115mm 37mm Stop 01-9203
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1.5 x 7mm Stop Contra Angle 01-9180	1.5 x 15mm Stop Contra Angle 01-9181	1.5 x 18mm Stop Contra Angle 01-9182
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Midas Rex 1.5mm x 5mm Stop
01-9185

2.0mm Blades



HT Short X-Lock Blade 20-1194	HT Contra-Angle Blade 20-1193
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HT Long X-Lock Blade 20-1196	IMF Sleeve with Blade 20-1199
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Items are not to scale

2.0mm HT X-Drive Screws (5 pk)



Part #	Description (Gold)
25-2004	2.0 x 4mm HT X-Drive
25-2005	2.0 x 5mm HT X-Drive
25-2007	2.0 x 7mm HT X-Drive
25-2009	2.0 x 9mm HT X-Drive
25-2011	2.0 x 11mm HT X-Drive
25-2013	2.0 x 13mm HT X-Drive
25-2015	2.0 x 15mm HT X-Drive
25-2017	2.0 x 17mm HT X-Drive
25-2019T	2.0 x 19mm HT X-Drive (fully threaded)

20-XXXX for single screws

2.0mm HT Self-Drilling Screws (5 pk)



Part #	Description (Blue)
25-6204	2.0 x 4mm HT Self-Drilling
25-6205	2.0 x 5mm HT Self-Drilling
25-6207	2.0 x 7mm HT Self-Drilling

20-XXXX for single screws

2.3mm Emergency Screws (5 pk)



Part #	Description (Magenta)
25-2305	2.3 x 5mm HT X-Drive Emergency
25-2307	2.3 x 7mm HT X-Drive Emergency
25-2309	2.3 x 9mm HT X-Drive Emergency
25-2311	2.3 x 11mm HT X-Drive Emergency
25-2313	2.3 x 13mm HT X-Drive Emergency
25-2315	2.3 x 15mm HT X-Drive Emergency
25-2317	2.3 x 17mm HT X-Drive Emergency

2.0mm Self-Drilling IMF Screws (5 pk)



Part #	Description (Blue)
95-5305	2.0 x 5mm HT Self-Drilling
95-5307	2.0 x 7mm HT Self-Drilling
95-5309	2.0 x 9mm HT Self-Drilling
95-5311	2.0 x 11mm HT Self-Drilling

91-XXXX for single screws



IMF Screws

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2.0mm Locking Fracture

System Features

- Simple locking mechanism for ease of use
- Streamlined plating options for the mandible
- Bending templates provided

Indications

- Primary mandibular fracture repair
- Repair of comminuted fractures of the mandible
- Repair of mandibular osteotomy



Application Guidelines



STEP 1: Adapt plate to the surface of the bone



STEP 2: Drill a pilot hole for screw placement



STEP 3: Place appropriate locking screw

2.0mm Twist Drills



1.5 x 50mm 5mm Stop 01-9192	1.5 x 50mm 7mm Stop 01-9193	1.5 x 50mm 10mm Stop 01-9195
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1.5 x 50mm 22mm Stop 01-9196	1.5 x 70mm 40mm Stop 01-9197
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1.5 x 105mm 5mm Stop 01-9199	1.5 x 105mm 7mm Stop 01-9200	1.5 x 105mm 11mm Stop 01-9202
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1.5 x 105mm 22mm Stop 01-9198	1.5 x 115mm 37mm Stop 01-9203
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1.5 x 7mm Stop Contra Angle 01-9180	1.5 x 15mm Stop Contra Angle 01-9181	1.5 x 18mm Stop Contra Angle 01-9182
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Midas Rex 1.5mm x 5mm Stop
01-9185

2.0mm Blades



HT Short X-Lock Blade 20-1194	HT Contra Angle Blade 20-1193
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HT Long X-Lock Blade 20-1196	IMF Sleeve with Blade 20-1199
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Items are not to scale

2.0mm Locking Plates



6-Hole Straight
20-4506

Template
20-4506T



4-Hole Straight
20-4504

Template
20-4504T



16-Hole Straight
20-4516

Template
20-4516T



6-Hole Angle
20-4507

Template
20-4507T



5x10 Angle, Left
20-4540



5x10 Angle, Right
20-4541

Template
20-4540T



Double Angle
20-4544

Template
20-4544T

2.0mm Locking Screws (5 pk)



Part #	Description (Silver)
25-2107	2.0 x 7mm HT X-Drive
25-2109	2.0 x 9mm HT X-Drive
25-2111	2.0 x 11mm HT X-Drive
25-2113	2.0 x 13mm HT X-Drive
25-2115	2.0 x 15mm HT X-Drive
25-2117	2.0 x 17mm HT X-Drive

2.3mm Emergency Screws* (5 pk)



Part #	Description (Magenta)
25-2305	2.3 x 5mm HT X-Drive Emergency
25-2307	2.3 x 7mm HT X-Drive Emergency
25-2309	2.3 x 9mm HT X-Drive Emergency
25-2311	2.3 x 11mm HT X-Drive Emergency
25-2313	2.3 x 13mm HT X-Drive Emergency
25-2315	2.3 x 15mm HT X-Drive Emergency
25-2317	2.3 x 17mm HT X-Drive Emergency

*Designed for locking and non-locking plates
20-XXXX for single screws

Items are not to scale

2.0mm locking plates are 2.0mm in profile

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2.4mm Fracture

System Features

- Streamlined plating options including compression and non-compression plates
- Flexible screw storage
- HT screw retention
- Bending templates available
- Comprehensive lag module included

Indications

- Primary mandibular fracture repair
- Repair of comminuted fractures of the mandible



Comprehensive Lag Module



2.4 x 115mm
Lag Drill
01-2544



2.0 x 105mm
Lag Drill
01-9174



2.4/1.8 x 115mm
10mm Step Drill
01-2545



2.0/1.5 x 115mm
10mm Step Drill
01-9175



2.4/1.8 x 115mm
Blunt Nose Drill
01-2546



2.0/1.5 x 115mm
Blunt Nose Drill
01-9176



2.4 Lag Countersink Tool
01-2562



2.0 Lag Countersink Tool
01-9172

2.0mm Lag Screws (5 pk)



Part #	Description (Gold)
25-2019	2.0 x 19mm HT X-Drive Lag
25-2021	2.0 x 21mm HT X-Drive Lag
25-2023	2.0 x 23mm HT X-Drive Lag
25-2025	2.0 x 25mm HT X-Drive Lag
25-2027	2.0 x 27mm HT X-Drive Lag
25-2029	2.0 x 29mm HT X-Drive Lag
24-1080	2.0 Lag Washer (Single)

20-XXXX for single screws

2.4mm Lag Screws (5 pk)



Part #	Description (Gold)
85-2424	2.4 x 24mm HT X-Drive Lag
85-2428	2.4 x 28mm HT X-Drive Lag
85-2432	2.4 x 32mm HT X-Drive Lag
85-2436	2.4 x 36mm HT X-Drive Lag
85-2440	2.4 x 40mm HT X-Drive Lag
24-1082	2.4 Lag Washer (Single)

81-XXXX for single screws



4-Hole Short
24-1050

Template
24-1050T



4-Hole Long
24-1052

Template
24-1052T



6-Hole Short
24-1054

Template
24-1054T



6-Hole Long
24-1056

Template
24-1056T



8-Hole Short
24-1058

Template
24-1058T



16-Hole
24-1060

Template
24-1060T



6-Hole Curved
24-1068

Template
24-1068T



6-Hole Angled
24-1064

Template
24-1064T



8-Hole Angled
24-1066

Template
24-1066T

2.4mm Drills and Blades



1.8 x 50mm
26mm Stop
24-2050



1.8 x 115mm
26mm Stop
24-2115



2.4 HT X-Lock Blade
Short
24-1394

2.4 HT X-Lock Blade
Standard
24-1396



2.4 HT X-Lock Blade
Contra Angle
24-1393



1.8 x 8mm Stop
Contra Angle
01-2541



1.8 x 16mm Stop
Contra Angle
01-2526

2.4mm Screws (5 pk)



Part #	Description (Gold)
85-2406	2.4 x 6mm HT X-Drive
85-2408	2.4 x 8mm HT X-Drive
85-2410	2.4 x 10mm HT X-Drive
85-2412	2.4 x 12mm HT X-Drive
85-2414	2.4 x 14mm HT X-Drive
85-2416	2.4 x 16mm HT X-Drive
85-2418	2.4 x 18mm HT X-Drive

2.7mm Emergency Screws (5 pk)



Part #	Description (Magenta)
85-2706	2.7 x 6mm HT X-Drive Emergency
85-2708	2.7 x 8mm HT X-Drive Emergency
85-2710	2.7 x 10mm HT X-Drive Emergency
85-2712	2.7 x 12mm HT X-Drive Emergency
85-2714	2.7 x 14mm HT X-Drive Emergency
85-2716	2.7 x 16mm HT X-Drive Emergency
85-2718	2.7 x 18mm HT X-Drive Emergency

81-XXXX for single screws

Items are not to scale

2.4mm fracture plates are 1.6mm crested to 1.8mm in profile

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2.4mm Locking Recon

System Features

- Simple locking mechanism for ease of use
- Streamlined plating options for the mandible
- Optional add-on condyle for condylectomy
- Bending templates provided

Indications

- Primary mandibular fracture repair
- Repair of comminuted fractures of the mandible
- Repair of mandibular osteotomy
- Mandibular reconstruction



Application Guidelines



STEP 1: Adapt plate to the surface of the bone



STEP 2: Drill a pilot hole for screw placement



STEP 3: Place appropriate locking screw

2.4mm Locking Screws (5 pk)

Part #	Description (Silver)
85-2508	2.4 x 8mm HT X-Drive Locking
85-2510	2.4 x 10mm HT X-Drive Locking
85-2512	2.4 x 12mm HT X-Drive Locking
85-2514	2.4 x 14mm HT X-Drive Locking
85-2516	2.4 x 16mm HT X-Drive Locking
85-2518	2.4 x 18mm HT X-Drive Locking
81-2801	Threaded Insert (Single pk)
01-2693	Condyle Screws (Add.)

2.4mm Screws (5 pk)

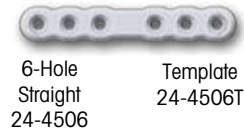
Part #	Description (Gold)
85-2406	2.4 x 6mm HT X-Drive
85-2408	2.4 x 8mm HT X-Drive
85-2410	2.4 x 10mm HT X-Drive
85-2412	2.4 x 12mm HT X-Drive
85-2414	2.4 x 14mm HT X-Drive
85-2416	2.4 x 16mm HT X-Drive
85-2418	2.4 x 18mm HT X-Drive

2.7mm Emergency Screws (5 pk)

Part #	Description (Magenta)
85-2706	2.7 x 6mm HT X-Drive Emergency
85-2708	2.7 x 8mm HT X-Drive Emergency
85-2710	2.7 x 10mm HT X-Drive Emergency
85-2712	2.7 x 12mm HT X-Drive Emergency
85-2714	2.7 x 14mm HT X-Drive Emergency
85-2716	2.7 x 16mm HT X-Drive Emergency
85-2718	2.7 x 18mm HT X-Drive Emergency

81-XXXX for single screws

2.4mm Locking Recon Plates



6-Hole
Straight
24-4506
Template
24-4506T



12-Hole Straight
24-4512
Template
24-4512T



18-Hole Straight
24-4518
Template
24-4518T



24-Hole Straight
24-4524
Template
24-4524T



5x11 Angle Left
24-4540

5x11 Angle Right
24-4541

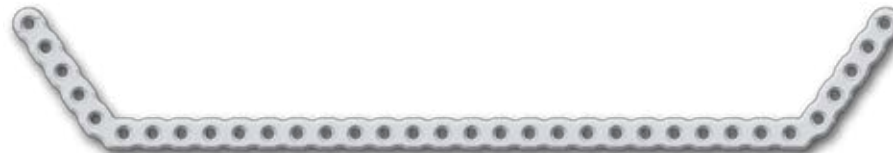
Template
24-4540T



5x22 Angle Left
24-4542

5x22 Angle Right
24-4543

Template
24-4542T



Double Angle 5x24x5
24-4544

Add-on Condyle Plate (Gold)
24-4545

Template
24-4544T



Left Condyle* with screws
01-2691



Right Condyle* with screws
01-2692

*Use with standard (Gold)
Reconstruction plate (24-4545)
Implantable for 1 year

2.4mm Drills and Blades



1.8 x 50mm
26mm Stop
24-2050



2.4 HT X-Lock Blade
Contra Angle
24-1393



1.8 x 115mm
26mm Stop
24-2115



1.8 x 8mm Stop
Contra Angle
01-2541



1.8 x 16mm Stop
Contra Angle
01-2526



2.4 HT X-Lock Blade
Short
24-1394

2.4 HT X-Lock Blade
Standard
24-1396

Items are not to scale

2.4mm locking recon plates are 2.6mm in profile

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Instrumentation



2.4 Plate HoldingWand
24-1186

2.0 Plate HoldingWand
01-9086



Beuse Plate
Holding Forceps
01-9095



2.0/2.4 45mm
Depth Gauge
01-9125



T-Handle
Ratcheting Driver
24-9905



Replacement
T-Bar only
24-9905-01



Contra Angle
Driver
24-1189



Green Screwdriver Handle
01-7390



2.0/2.4 Screwdriver
Handle
01-7600

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Snap-On Cheek Retractor
24-2556



Cheek Retractor,
Semi-Rigid
01-2556



2.0 Plate Holder
On Cannula
24-1129

2.4 Plate Holder
On Cannula
24-1154



2.4 Trocar
24-1144



Plate Debrurr
01-2788



2.0 Threaded
Drill Guide
24-1130

2.4 Threaded
Drill Guide
24-1131

2.4 Comp.
Drill Guide
24-1135

2.0/2.4 Drill Guide
(Lag use also)
24-1136



2.0/2.4 Double Ended Drill Guide Handle
24-1138



2.0/2.4 Trocar Handle
24-1141

Instrumentation



Plate Holding
Forceps
24-1110



2.0 3-Prong
Bender
01-9070



Aesculap® Container*
2 Deep 3 Deep
01-9010 01-9011



Bender/Cutter
24-2550



2.0 Plate
Bender
01-9728



2.0/2.4 Bender
24-2551



Bone-Reduction
Forceps
24-1112



Bending Iron Set
24-2555



Instrument Tray*
24-2503

Items are not to scale

*Modules and instruments not included

Components



2.0 Fracture/Locking
Container
20-1300



2.4 Locking Recon
Container
24-1302



Large Instrument
Container
24-1306



2.4 Fracture/Lag
Container
24-1300



Small Instrument
Container
24-1308



Rack only
24-1250



ID Tag Set
24-2400

Items are not to scale

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What fascinates you about the body is also what drives us. That's why we're always pushing the boundaries of engineering to make products that help you keep the human form as glorious as it was intended. To learn more about our breadth of products, call 800-874-7711 or visit us online at biometmicrofixation.com. We'd love to join you in a conversation about the future.

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For more information on the Lorenz® Plating System Mandible, please contact us at:

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