

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.



For more information on the Lorenz[®] Plating System Midface, please contact us at:

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As the manufacturer of this device, Biomet Microfixation does not practice medicine and does not recommend this product or surgical technique for use on a specific patient. The surgeon who performs any implant procedure must determine the appropriate device and surgical procedure for each individual patient. Devices shown in this brochure may not be cleared or licensed for use or sale in your individual country. Please contact your local distributor for information regarding availability of this product. Information contained in this brochure is intended for surgeon or distributor information only and is not intended for patient distribution. All surgeries carry risks. For additional information, please see package insert, or visit our web site at www.biometmicrofixation.com or call 1-800-874-7711. Aesculap[®] is a registered trademark of Aesculap Aktiengesellschaft.

Lorenz® Plating System Midface

1.5/2.0mm



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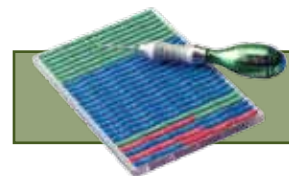
The Lorenz® Midface Plating System: Excellence By Design

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.

Biomet Microfixation specializes in offering titanium plating systems that meet the specific demand of trauma, orthognathic and reconstructive surgeries. The Midface system provides streamlined, efficient and versatile containers with drop-in trays that provide complete organization of implants and instrumentation in two convenient storage options.

With the Lorenz Midface Plating system, every component is neatly organized into clearly-labeled compartments to make implant location, retrieval and tracking simple and efficient. This system features an instrumentation tray and modular implant containers for 1.5mm and 2.0mm system storage. Each customizable container offers a variety of procedure-specific drills, blades, general plates and meshes to meet the specific needs of the surgeon.

The Lorenz Midface Plating System combines the functionality of modular construction, design that facilitates ease of use, excellent delivery, and the dependability of years of clinical success into a unique package.



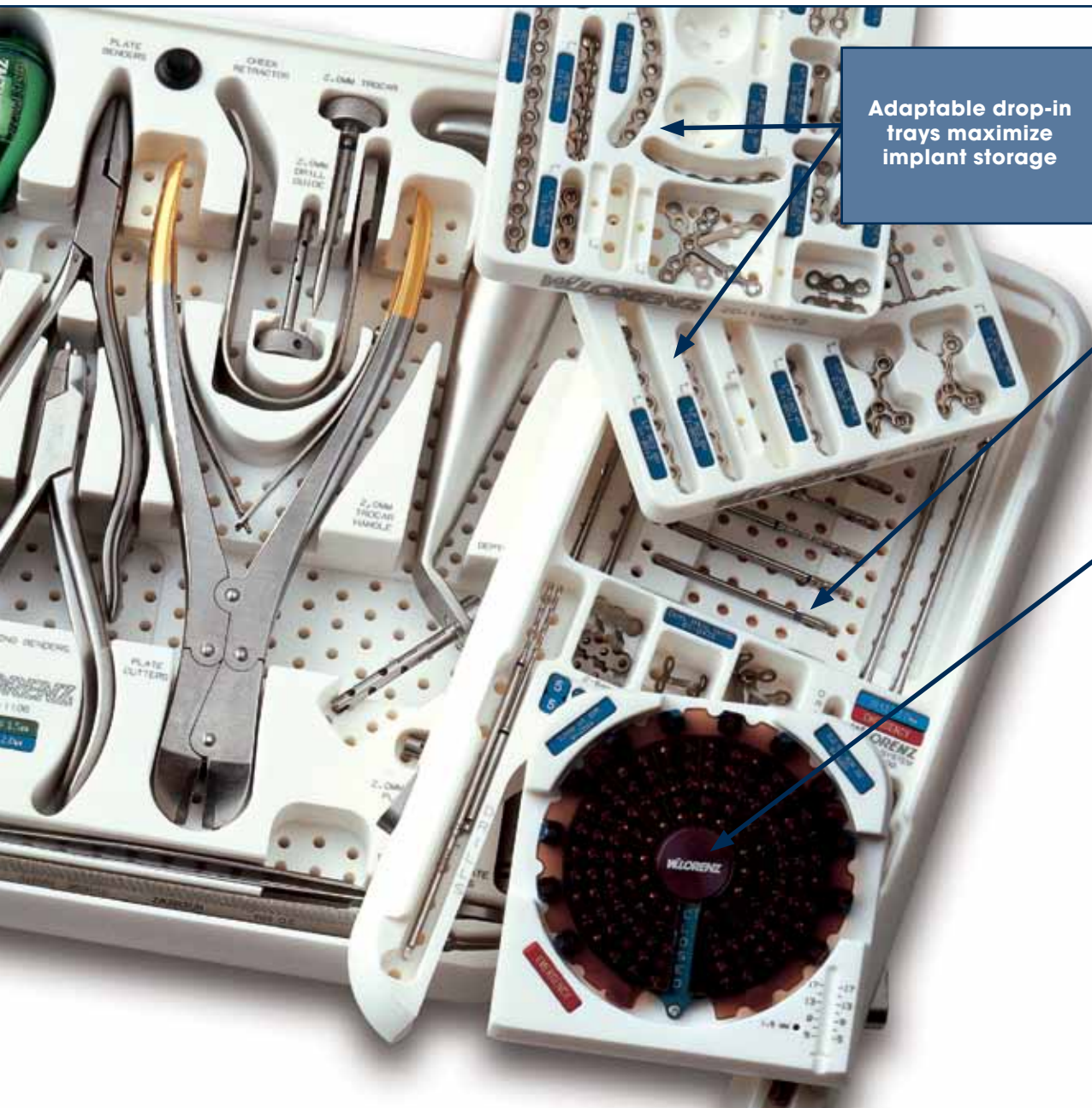
Tagging system and pocket etching identifies implants

1.5 System offers mesh and pre-formed orbital floor plate storage

2.0mm IMF screws are available in the 1.5 and 2.0 System trays

Clearly labeled instrument tray with molded compartments





Adaptable drop-in trays maximize implant storage



Optional 2.0mm Mandibular Fracture drop-in tray

2.0 System offers twist-drill storage with individual drill bays



Removable screw dial for convenient access and easy reload



Lightweight rack provides storage of Midface System in standard Aesculap® container

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1.5mm Lorenz® Midface System

The 1.5mm Lorenz Midface System features two drop-in trays and clearly marked pockets for implants, drills and blades. All components of the 1.5mm Midface module are clearly marked with either plate specific etching or the unique Midface tagging system. Other features include:

- Removable screw dial for convenient access and easy reload
- Self-drilling screws are available in cross-drive and center-drive versions in lengths from 3.5mm to 7mm
- Self-tapping screws are available in cross-drive and center-drive versions in lengths from 3.5mm to 7mm
- High Torque (HT) screws provide additional screw retention
- 0.6mm profile titanium plates allow for optimal stability with minimal palpability
- Broad selection of meshes and procedure-specific plates

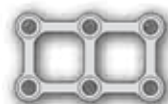
Indications

- Trauma
- Neurosurgery
- Craniomaxillary Reconstruction
- Orthognathic Procedures in the Midface

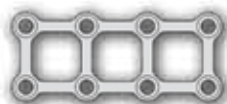
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1.5mm Plates



Matrix Plate
Rectangle, 2x3
01-7136



Matrix Plate
Rectangle, 2x4
01-7137



Straight Plate
2-Hole, Medium
01-7345



Straight Plate
2-Hole, Long
01-7347



Straight Plate
4-Hole, Regular
01-7040



Straight Plate
4-Hole, Medium
01-7045



Straight Plate
4-Hole, Long
01-7047



Straight Plate
6-Hole, Regular
01-7050



Straight Plate
6-Hole, Long
01-7057



Straight Plate
8-Hole, Regular
01-7062



Orbital Plate
6-Hole, Curved
01-7126



Orbital Plate
8-Hole, Curved
01-7128



Orbital Plate
10-Hole, Curved
01-7130



L Plate
Left, Regular, 2x2
01-7070



L Plate
Right, Regular, 2x2
01-7071



L Plate
Left, Medium, 2x2
01-7074



L Plate
Right, Medium, 2x2
01-7075



L Plate
Left, Long, 2x2
01-7078



L Plate
Right, Long, 2x2
01-7079



L Plate, 100°
Left, Medium, 3x3
01-7032



L Plate, 100°
Right, Medium, 3x3
01-7033



L Plate, 100°
Left, X-Long, 3x3
01-7036



L Plate, 100°
Right, X-Long, 3x3
01-7037



Z Plate
Left, Medium, 2x2
01-7085



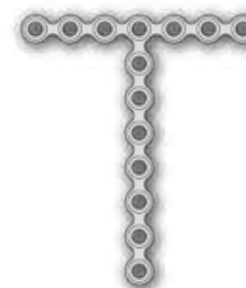
Z Plate
Right, Medium, 2x2
01-7086



T Plate
Regular, 3x3
01-7090



Y Plate
5-Hole, Regular
01-7100



T Plate
Regular, 7x7
01-7096



1.5mm LeFort Plates

Flat, no advancement	01-6480
2mm, advancement	01-6482
3mm, advancement	01-6483
4mm, advancement	01-6484
5mm, advancement	01-6485
6mm, advancement	01-6486
7mm, advancement	01-6487
9mm, advancement	01-6489
11mm, advancement	01-6491



Y Plate
5-Hole, Long
01-7102



Y Plate
5-Hole, X-Long
01-7104



Double Y Plate
6-Hole, Regular
01-7110



Double Y Plate
6-Hole, Long
01-7112



Double Y Plate
6-Hole, X-Long
01-7114

1.5mm Plates



Triangle
Plate
01-7132



Square
Plate
01-7131



X Plate
01-7120



Double T Plate
14mm
01-7092



Double T Plate
17mm
01-7093



Square Plate
4-Hole, 0.5mm
01-7357



Rectangle Plate
4-Hole, 0.5mm
01-7359



Burr Hole Plate
13mm Dia., 0.5mm
01-7306



Burr Hole Plate
18.5mm Dia., 0.5mm
01-7308



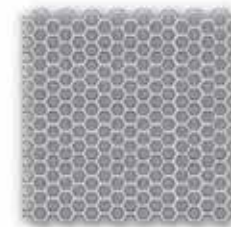
Burr Hole Plate
22mm Dia., 0.5mm
01-7309



16-Hole, Straight
01-7066



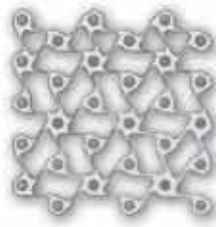
20-Hole, Adaption
01-7068



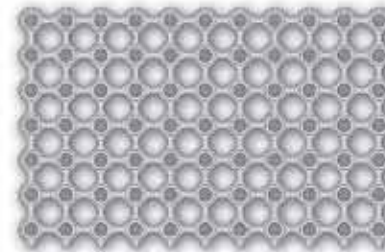
1.0/1.5mm
Titanium Hex Panel
0.2mm Thickness
85mm x 50mm
01-7340
0.2mm Thickness
203mm x 127mm
01-7341



Contourable Mesh
206mm x 123mm
0.3mm Thickness
01-7250
0.6mm Thickness
01-7251



Ultra Pre-Contoured Mesh
206mm x 123mm
0.3mm Thickness
01-7065
0.6mm Thickness
01-7069
40mm x 40mm
0.6mm Thickness
01-7017



Small Grid Panel
0.3mm Thickness
85mm x 53mm
01-7185
0.6mm Thickness
85mm x 53mm
01-7182



Pre-formed Orbital
Floor Plate
Large, 0.3mm
01-7108



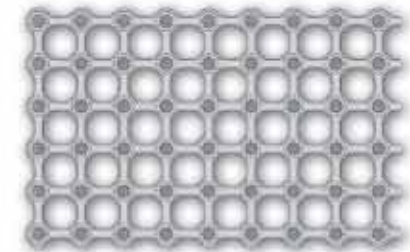
Pre-formed Orbital
Floor Plate
Medium, 0.3mm
01-7107



Pre-formed Orbital
Floor Plate
Small, 0.3mm
01-7106



Pre-formed N.O.E Plate
0.3mm
01-7109



Regular Grid Panel
0.6mm Thickness
80mm x 53mm
01-7180

1.5mm Screws

1.5mm HT X-Drive Screws* (5pk)



Part #	Description
95-1503	1.5 x 3.5mm HT X-Drive
95-1504	1.5 x 4mm HT X-Drive
95-1505	1.5 x 5mm HT X-Drive
95-1506	1.5 x 6mm HT X-Drive
95-1507	1.5 x 7mm HT X-Drive
95-1508	1.5 x 8mm HT X-Drive
95-1509	1.5 x 9mm HT X-Drive
95-1511	1.5 x 11mm HT X-Drive
95-1513	1.5 x 13mm HT X-Drive
95-1515	1.5 x 15mm HT X-Drive
95-1803	1.8 x 3.5mm HT X-Drive Emergency
95-1805	1.8 x 5mm HT X-Drive Emergency
95-1807	1.8 x 7mm HT X-Drive Emergency
95-1809	1.8 x 9mm HT X-Drive Emergency

* Must be used with HT Blade
91-XXXX for single screws

1.5mm HT X-Drive Self-Drilling Screws* (5 pk)



Part #	Description
95-6103	1.5 x 3.5mm HT X-Drive Self-Drilling
95-6104	1.5 x 4mm HT X-Drive Self-Drilling
95-6105	1.5 x 5mm HT X-Drive Self-Drilling
95-6106	1.5 x 6mm HT X-Drive Self-Drilling
95-6107	1.5 x 7mm HT X-Drive Self-Drilling

* Must be used with HT Blade
91-XXXX for single screws

1.5mm Center-Drive Screws (5pk)



Part #	Description
01-7202	1.5 x 2.5mm Center-Drive
01-7203	1.5 x 3.5mm Center-Drive
01-7204	1.5 x 4mm Center-Drive
01-7205	1.5 x 5mm Center-Drive
01-7206	1.5 x 6mm Center-Drive
01-7207	1.5 x 7mm Center-Drive
01-7208	1.5 x 8mm Center-Drive
01-7209	1.5 x 9mm Center-Drive
01-7211	1.5 x 11mm Center-Drive
01-7213	1.5 x 13mm Center-Drive
01-7215	1.5 x 15mm Center-Drive
01-7223	1.8 x 3.5mm Center-Drive Emergency
01-7225	1.8 x 5mm Center-Drive Emergency
01-7227	1.8 x 7mm Center-Drive Emergency

99-XXXX for single screws

1.5mm Center-Drive Self-Drilling Screws (5 pk)



Part #	Description
01-7283	1.5 x 3.5mm Center-Drive Self-Drilling
01-7284	1.5 x 4mm Center-Drive Self-Drilling
01-7285	1.5 x 5mm Center-Drive Self-Drilling

99-XXXX for single screws

Twist Drills



1.1 x 50mm 3.5mm Stop 01-7141	1.1 x 50mm 5mm Stop 01-7142	1.1 x 50mm 7mm Stop 01-7144
1.1 x 50mm 9mm Stop 01-7146	1.1 x 50mm 15mm Stop 01-7148	1.1 x 105mm 18mm Stop 01-7149



Hall Drill 1.1 x 87mm 3.5mm Stop 01-7393	Hall Drill 1.1 x 87mm 5mm Stop 01-7395	Hall Drill 1.1 x 97mm 7mm Stop 01-7397
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Black Max Drill 1.1 x 104mm 3.5mm Stop 01-7392	Black Max Drill 1.1 x 104mm 5mm Stop 01-7394
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Midas Rex 1.0 x 38mm 3.5mm Stop 01-7143	Midas Rex 1.0 x 38mm 5mm Stop 01-7145	Midas Rex 1.1 x 38mm 5mm Stop 01-7139
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Midas Rex G3 1.1 x 3.5mm Stop 15-1713	Midas Rex G3 1.1 x 5mm Stop 15-1715
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Contra Angle 1.1 x 8mm 01-6950	Contra-Angle 1.1 x 16mm 01-6951
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Items not to scale

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2.0mm Lorenz® Midface System

The 2.0mm Lorenz Midface System includes two drop-in trays fully adaptable to specific 2.0mm needs; an optional 2.0 mandibular fracture tray is also available. The system features a designated drill compartment with individual drill bays. All components in the 2.0mm Midface module are clearly marked with either plate specific etching or the unique Midface tagging system. Other features include:

- Removable screw dial for convenient access and easy reload
- Self-drilling cross-drive screws are available in lengths from 4mm to 7mm
- Self-tapping screws are available in cross-drive and center-drive versions in lengths from 4mm to 19mm
- High Torque (HT) screws provide for additional screw retention
- 2.0mm Midface plates available in both 0.6mm and 1.0mm profiles to accommodate specific surgical preferences
- Broad selection of procedure-specific plates

Indications

- Orthognathic Surgery of the Midface and Mandible
- Oral and Maxillofacial Trauma
- Reconstructive Surgery

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2.0mm Plates



Straight Plate
2-Hole, Medium
LP: 01-8046



Straight Plate
4-Hole, Regular
LP: 01-8050
M: 01-9204



Straight Plate
4-Hole, Medium
LP: 01-8010
M: 01-9288



Straight Plate
4-Hole, Long
LP: 01-8011
M: 01-9205



Straight Plate
4-Hole, Extra Long
M: 01-9215



Straight Plate
6-Hole, Regular
LP: 01-8056
M: 01-9206



L Plate
Left, Regular, 2x2
LP: 01-8053
M: 01-9231



L Plate
Right, Regular, 2x2
LP: 01-8052
M: 01-9230



L Plate
Left, Medium, 2x2
LP: 01-8016
M: 01-9292



L Plate
Right, Medium, 2x2
LP: 01-8015
M: 01-9290



L Plate
Left, Long, 2x2
LP: 01-8055
M: 01-9233



L Plate
Right, Long, 2x2
LP: 01-8054
M: 01-9232



L Plate
Left, Medium, 3x3
LP: 01-8095



L Plate
Right, Medium, 3x3
LP: 01-8094



L Plate
Left, Long, 3x3
LP: 01-8097



L Plate
Right, Long, 3x3
LP: 01-8096



T Plate
Regular, 3x3
LP: 01-8060
M: 01-9240



T Plate
Long, 2x3
M: 01-9241



T Plate
Medium, Ext. Base, 2x5
LP: 01-8091



T Plate
Long, Ext. Base, 2x5
LP: 01-8092



Z Plate
Left, Regular, 2x2
LP: 01-8081



Z Plate
Right, Regular, 2x2
LP: 01-8082



Z Plate
Left, Long, 2x2
LP: 01-8083



Z Plate
Right, Long, 2x2
LP: 01-8084



Y Plate
5-Hole, Regular
LP: 01-8070
M: 01-9250



Y Plate
5-Hole, Long
M: 01-9251



Double Y Plate
6-Hole, Regular
LP: 01-8072
M: 01-9260



Double Y Plate
6-Hole, Long
LP: 01-8073
M: 01-9262

2.0mm Plates



BSSO Plate
4-Hole
M: 01-9222



BSSO Plate
6-Hole
M: 01-9224



Orbital Plate
6-Hole, Curved
LP: 01-8018
M: 01-9226



Orbital Plate
8-Hole, Curved
LP: 01-8019



Burr Hole Plate, Large
17mm diameter
0.5mm Thickness
LP: 01-8068



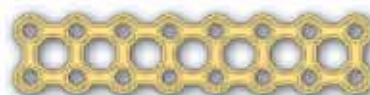
Burr Hole Plate, Small
13mm diameter
0.5mm Thickness
LP: 01-8066



Double T Plate
Regular, 2x2
LP: 01-8065



Matrix, 2x2
M: 01-9272



Short Matrix, 2x8
M: 01-9281

Curved Matrix, 2x8
M: 01-9285



Short Matrix, 2x6
M: 01-9278

Curved Matrix, 2x6
M: 01-9280



Short Matrix, 2 x 4
M: 01-9274



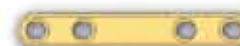
8-Hole Angle Plate
M: 01-9229



6-Hole Angle Plate
M: 01-9228



Compression
Straight Plate
4-Hole, Medium
M: 01-9282



Compression
Straight Plate
4-Hole, Long
M: 01-9284



Compression
Straight Plate
6-Hole, Medium
M: 01-9286



Straight Plate
8-Hole, Medium
M: 01-9291



Straight Plate
8-Hole, Regular
LP: 01-8013
M: 01-9208



Straight Plate,
16-Hole, Regular
LP: 01-8014
M: 01-9216



Straight Plate
6-Hole, Long
LP: 01-8058
M: 01-9207



Paulus Chin Plate

01-6358 2mm
01-6360 4mm
01-6362 6mm
01-6364 8mm
01-6366 10mm
01-6368 12mm
01-6370 14mm
01-6372 16mm



Dual Rail Chin Plate

01-6472 2mm
01-6473 3mm
01-6474 4mm
01-6475 5mm
01-6476 6mm
01-6477 7mm
01-6478 8mm
01-6479 9mm
01-6471 11mm



Chin Plate

01-6452 2mm
01-6454 4mm
01-6456 6mm
01-6458 8mm
01-6460 10mm
01-6462 12mm
01-6464 14mm
01-6466 16mm

2.0mm Screws

2.0mm HT X-Drive Screws* (5pk)

Part #	Description
95-2004	2.0 x 4mm HT X-Drive
95-2005	2.0 x 5mm HT X-Drive
95-2007	2.0 x 7mm HT X-Drive
95-2009	2.0 x 9mm HT X-Drive
95-2011	2.0 x 11mm HT X-Drive
95-2013	2.0 x 13mm HT X-Drive
95-2015	2.0 x 15mm HT X-Drive
95-2017	2.0 x 17mm HT X-Drive
95-2019T	2.0 x 19mm HT X-Drive (fully threaded)
95-2305	2.3 x 5mm HT X-Drive Emergency
95-2307	2.3 x 7mm HT X-Drive Emergency
95-2309	2.3 x 9mm HT X-Drive Emergency
95-2311	2.3 x 11mm HT X-Drive Emergency
95-2313	2.3 x 13mm HT X-Drive Emergency
95-2315	2.3 x 15mm HT X-Drive Emergency
95-2317	2.3 x 17mm HT X-Drive Emergency

* Must be used with HT Blade
91-XXXX for single screws

2.0mm HT Self-Drilling Screws* (5 pk)

Part #	Description
95-6204	2.0 x 4mm HT Self-Drilling
95-6205	2.0 x 5mm HT Self-Drilling
95-6207	2.0 x 7mm HT Self-Drilling

* Must be used with HT Blade
91-XXXX for single screws

2.0mm Self-Drilling IMF Screws (5pk)

Part #	Description
95-5305	2.0 x 5mm Self-Drilling IMF
95-5307	2.0 x 7mm Self-Drilling IMF
95-5309	2.0 x 9mm Self-Drilling IMF
95-5311	2.0 x 11mm Self-Drilling IMF

91-XXXX for single screws

2.0mm IMF Screws (5pk)

Part #	Description
95-5213	2.0 x 13mm IMF
95-5215	2.0 x 15mm IMF

91-XXXX for single screws

2.0mm Center-Drive Screws (10pk)

Part #	Description
01-9474	2.0 x 4mm Center-Drive
01-9475	2.0 x 5mm Center-Drive
01-9477	2.0 x 7mm Center-Drive
01-9479	2.0 x 9mm Center-Drive
01-9481	2.0 x 11mm Center-Drive
01-9483	2.0 x 13mm Center-Drive
01-9485	2.0 x 15mm Center-Drive
01-9487	2.0 x 17mm Center-Drive
01-9489	2.0 x 19mm Center-Drive
01-9495	2.3 x 5mm Center-Drive Emergency
01-9497	2.3 x 7mm Center-Drive Emergency
01-9499	2.3 x 9mm Center-Drive Emergency

99-XXXX for single screws

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

1.5 x 50mm
No Stop
01-9196

1.5 x 70mm
No Stop
01-9197



1.5 x 105mm
No Stop
01-9198

1.5 x 105mm
5mm Stop
01-9199

1.5 x 105mm
7mm Stop
01-9200

1.5 x 105mm
11mm Stop
01-9202

1.5 x 115mm
37mm Stop
01-9203



Contra Angle
1.5 x 7mm
5mm Stop
01-9180

Contra Angle
1.5 x 15mm
5mm Stop
01-9181

Contra Angle
1.5 x 18mm
5mm Stop
01-9182



Midas Rex 1.5 x 5mm Stop
01-9185

Items not to scale

BIOMET[®]
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Instruments



1.5/2.0 Standard Handle
01-7164



90° Contra Angle
Screwdriver
24-1189



Orbital Retractor
Small
15-0280
Medium
15-0281



Green Screwdriver Handle
01-7390



Beuse Plate
Holding Forceps
01-9095



Snap-On Cheek Retractor
24-2556



2.0/2.4 Screwdriver
Handle
01-7600

Ratcheting 2.0/2.4
T Handle
24-9905



1.5/2.0 Depth Gauge
01-9123



Cheek Retractor
01-2556



2.0mm Trocar
24-1124



2.0mm Drill Guide
24-1126



2.0mm Cannula
Plate Holder
24-1128



2.0mm Trocar Handle w/ Cannula
20-1140

1.5mm Blades



1.5mm Center-Drive
Standard
01-7176

1.5mm Center-Drive
Short
01-7171

1.5mm Contra-Angle
Center-Drive
01-7178



1.5mm HT X-Lock
Standard*
15-1196

1.5mm HT X-Lock
Short*
15-1194

1.5mm HT X-Lock
Contra-Angle*
15-1193



1.5mm Plate
Holding Wand
01-7186



2.0mm Plate
Holding Wand
01-9086



Plate Cutting
Pliers, TC
01-9960

2.0mm Blades



2.0mm Center-Drive
Standard
01-9047

2.0mm Center-Drive
Contra-Angle
01-9049

2.0 HT X-Lock
Contra-Angle*
20-1193

2.0 HT X-Lock Short* 2.0 HT X-Lock Long*
20-1194 20-1196

*must be used with HT screws



IMF Sleeve Blade
20-1199



2.0mm Tap
01-9048



1.5mm 3-Prong Bender
01-7167



Plate Bending Plier
01-7465



2.0mm 3-Prong
Bender
01-9070



2.0mm Plate
Bender
01-9728

BIOMET[®]
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Components



1.5/2.0 Midface System
Instrument Tray
15-1106



1.5/2.0 Midface
Complete with tagging system
(instruments and implants not included)
15-1151



Midface Rack only
15-1150



Aesculap® Trauma Combo Container
Holds up to 6 implant trays and instruments
(instruments, implants and trays are not included)
01-9011



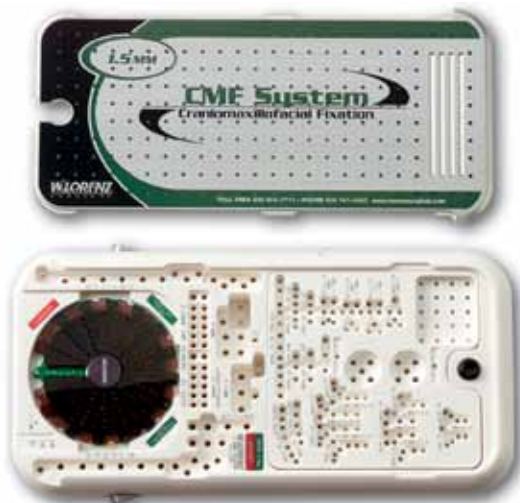
1.5/2.0 Midface Trays with tagging and
Aesculap® Frame
(instruments and implants not included)
15-1161



Aesculap®
System Frame
15-1160



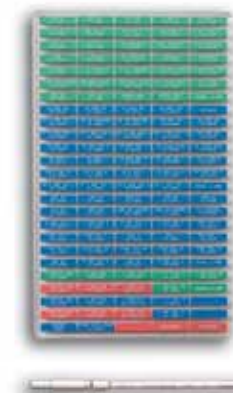
Aesculap® container
(15-1161 not included)
01-9510



1.5mm Midface Implant Container (w/Drop-in Trays)
15-1100



2.0mm Midface Implant Container (w/Drop-in Trays)
20-1100



Midface Tagging System
with Removal Tool — 15-2400
Removal Tool only — 15-2401
(Removal Tool used in screwdriver handle)



1.5mm Dedicated Plate
Replacement Drop-in Tray
15-1100-13



1.5mm Adaptable Plate
Replacement Drop-in Tray
15-1100-12



2.0mm Adaptable Plate
Replacement Drop-in Tray
20-1100-13



2.0mm Dedicated Plate
Replacement Drop-in Tray
20-1100-12



1.5mm
Replacement Screw Dial
15-1100-08



2.0mm
Replacement Screw Dial
20-1100-08



Optional 2.0mm Mandibular
Fracture Tray
20-1100-14

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MICROFIXATION
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