

MatrixMIDFACE™ Plate and Screw System

Surgical Technique



 Image intensifier control

This description alone does not provide sufficient background for direct use of DePuy Synthes products. Instruction by a surgeon experienced in handling these products is highly recommended.

Processing, Reprocessing, Care and Maintenance

For general guidelines, function control and dismantling of multi-part instruments, as well as processing guidelines for implants, please contact your local sales representative or refer to:

<http://emea.depuysynthes.com/hcp/reprocessing-care-maintenance>

For general information about reprocessing, care and maintenance of DePuy Synthes reusable devices, instrument trays and cases, as well as processing of DePuy Synthes non-sterile implants, please consult the Important Information leaflet (SE_023827) or refer to:

<http://emea.depuysynthes.com/hcp/reprocessing-care-maintenance>

Table of Contents

Introduction	MatrixMIDFACE Plate and Screw System	2
	The AO Principles of Fracture Management	5

Surgical Technique	Trauma Repair and Reconstruction	6
	Orbital Fractures	12

Product Information	MatrixMIDFACE Plates – Standard	17
	MatrixMIDFACE Plates – Orbital	26
	COMPACT Midface 1.3 Plates	31
	MatrixMIDFACE Screws	32
	Instruments	33
	MatrixMIDFACE Modules	38
	Ordering Information	42

MatrixMIDFACE Plate and Screw System

Keeping the AO philosophy at its core, Matrix is the latest plating platform for internal fixation of the cranio-maxillo-facial skeleton.

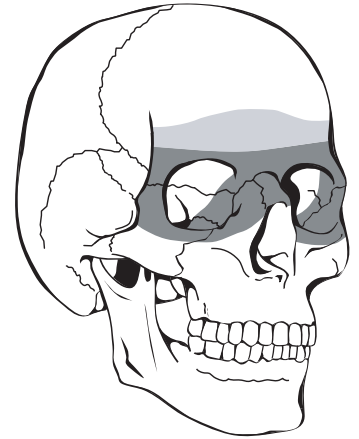


Micro plates, silver

Anatomical Region: Nasal, orbital, and frontal region

Midface plates 0.4 mm thick

Orbital plates 0.2 mm thick

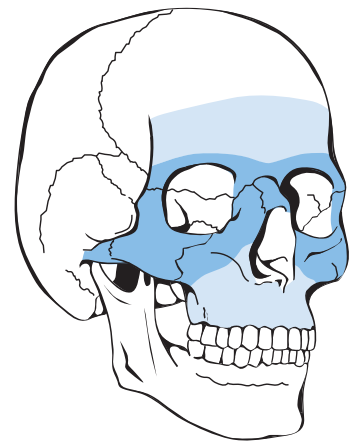


Mini plates, dark blue and light blue*

Anatomical Region: Nasal, orbital, zygoma, frontal and maxillary region

Midface plates 0.5 mm thick

Orbital plates 0.3 mm thick

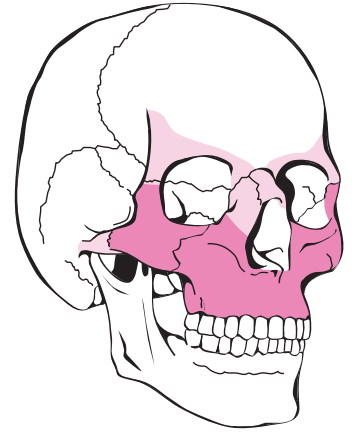


* Dark blue plates offer higher hole density and must be used with 1.3 mm screw diameter

Medium plates, pink

Anatomical Region: Nasal, orbital, zygoma, and maxillary region

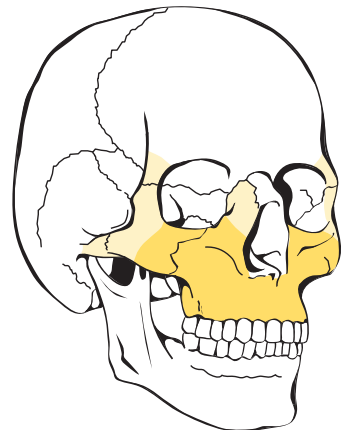
Midface plates 0.7 mm thick
Orbital plates 0.4 mm thick



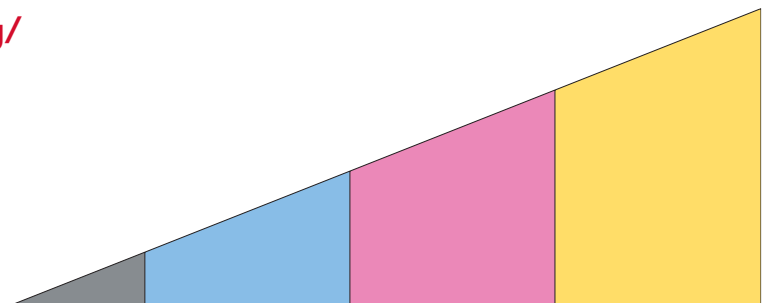
Large plates, gold

Anatomical Region: Central and lateral midface, orbital and zygoma region

Midface plates 0.8 mm thick
Orbital plates 0.5 mm thick



MatrixMIDFACE plates color-coding/ strength gradient



Midface plates, thickness
Orbital plates, thickness*

0.4 mm	0.5 mm	0.7 mm	0.8 mm
0.2 mm	0.3 mm	0.4 mm	0.5 mm

Intended Use, Indications and Contraindications, Warnings, Precautions, Adverse Events can be found in the corresponding system Instructions for Use.

MRI Information on Torque, Displacement, Image Artifacts and Radio-Frequency-(RF-)induced heating can be found in the corresponding System Instructions for Use.

* Not valid for MatrixMIDFACE Preformed Orbital Plates and COMPACT 1.3 Mesh Plates, Orbital Floor Mesh Plates and Anatomical Orbital Floor Plate

The AO Principles of Fracture Management

Mission

The AO's mission is promoting excellence in patient care and outcomes in trauma and musculoskeletal disorders.

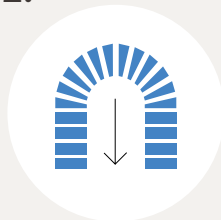
AO Principles^{1,2}

1.



Fracture reduction and fixation to restore anatomical relationships.

2.



Fracture fixation providing absolute or relative stability, as required by the “personality” of the fracture, the patient, and the injury.

3.



Preservation of the blood supply to soft-tissues and bone by gentle reduction techniques and careful handling.

4.



Early and safe mobilization and rehabilitation of the injured part and the patient as a whole.

¹ Müller ME, Allgöwer M, Schneider R, Willenegger H. Manual of Internal Fixation. 3rd ed. Berlin, Heidelberg New York: Springer 1991.

² Buckley RE, Moran CG, Apivatthakakul T. AO Principles of Fracture Management: 3rd ed. Vol. 1: Principles, Vol. 2: Specific fractures. Thieme; 2017.

Trauma Repair and Reconstruction

1. Expose and reduce fracture

After completing the preoperative plan, expose the fracture or osteotomy site. In trauma reduce the fracture as required.

■ Notes:

- For the reduction of displaced craniofacial fractures the MatrixMIDFACE Threaded Reduction Tools and T-Handle can be used.
- For handling instructions please refer to the MatrixMIDFACE Threaded Reduction Tools and T-Handle brochure.

2. Select and prepare the plate

Instruments

03.503.032	Plate Holder, short
03.503.034	Plate Holder, long
03.503.039	Plate Cutter for MatrixMIDFACE

Select the appropriate plate for the nature of the fracture. Orient the plate so that the topside is facing out. Cut to length, if necessary.

Optional Instruments

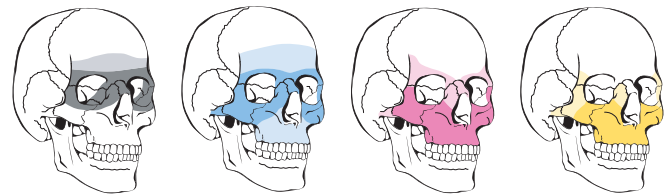
03.503.366–	Bending Templates for MatrixMIDFACE
03.503.380	

■ Note:

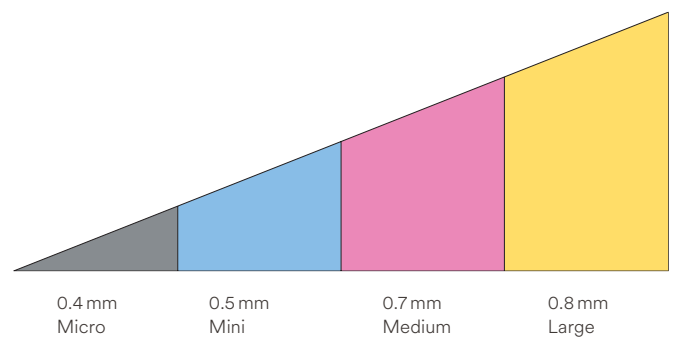
When working with sterile implants, bending templates can be used to support the plate selection.

▲ Precautions:

- Bending templates are not intended to be implanted or used as a drill guide for surgical planning.
- In order to determine the appropriate amount of screws needed to achieve stable construct fixation, the surgeon should consider the fracture size and shape.
- Take care to protect soft tissue from trimmed plate edges.



MatrixMIDFACE Plates – Standard, Thickness



top side



bony side

3. Contour the plate

Instruments

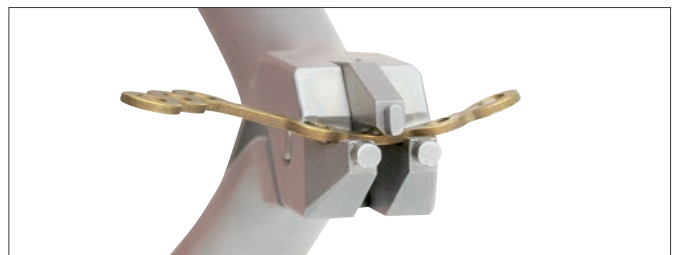
03.503.035*	Bending Pliers 3D for MatrixMIDFACE Plates
03.503.038	Bending Pliers for MatrixMIDFACE Plates (two bending pliers required)

Contour the plate to fit to the patient anatomy using the bending pliers. Ensure the plate is passively adapted to the bone.

* 03.503.035 is not compatible with dark blue MatrixMIDFACE plates.

▲ Precautions:

- If contouring is necessary, the surgeon should avoid bending the device at a screw hole.
- Avoid sharp bends, repetitive and reverse bending as it increases the risk of implant breakage.



4. Position the plate

Instruments

03.503.032	Plate Holder, short
03.503.034	Plate Holder, long



Place the plate over the fracture or osteotomy site.

▲ Precaution:

Confirm that plate positioning allows for adequate clearance of nerves, tooth buds and/or tooth roots and any other critical structures.

5. Drill the hole

Predrilling is recommended in complex fractures of the midface and in regions with thick cortical bone.

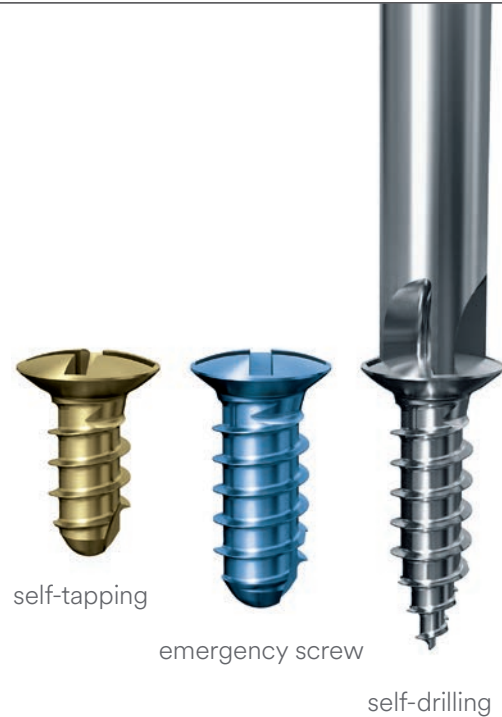
Drill the first hole close to the fracture or osteotomy site.

■ Notes:

- Screws are available in self-drilling (silver), self-tapping (bronze), and emergency (blue) designs.
- For 1.3 mm screws: If a pilot hole is desired, use the appropriate 1.0 mm diameter drill bit for all screw lengths.
- For 1.5 mm screws: If a pilot hole is desired, use the appropriate 1.1 mm diameter MatrixMIDFACE drill bit for drilling up to 8 mm length and the 1.25 mm diameter MatrixMIDFACE drill bit for screw lengths of 10 mm or more.

▲ Precautions:

- Confirm that drill bit length and diameter correspond to selected screw length prior to drilling.
- Predrilling not recommended for 3 mm self-drilling screws.
- Drill speed rate should never exceed 1,800 rpm, particularly in dense, hard bone. Higher drill speed rates can result in:
 - thermal necrosis of the bone,
 - soft tissue burns,
 - an oversized hole, which can lead to reduced pull-out force, increased ease of the screws stripping in bone, suboptimal fixation, and/or the need for emergency screws.
- Always irrigate during drilling to avoid thermal damage to the bone and ensure drill bit is concentric to plate hole.
- Avoid drilling over nerve or tooth roots.
- Take care while drilling as to not damage, entrap, or tear a patient's soft tissue or damage critical structures. Be sure to keep drill clear of loose surgical materials.



Recommended pilot hole diameters

Screw diameter	Screw length	Drill bit diameter
1.3 mm	3 mm–12 mm	1.0 mm
1.5 mm	3 mm–10 mm	1.1 mm
1.5 mm	12 mm–18 mm	1.25 mm

6. Screw selection and insertion

Instruments

03.503.201	Screwdriver Shaft MatrixMIDFACE, short, self-holding, length 52 mm, with Hexagonal Coupling
03.503.202	Screwdriver Shaft MatrixMIDFACE, medium, self-holding, length 76 mm, with Hexagonal Coupling
03.503.203	Screwdriver Shaft MatrixMIDFACE, long, self-holding, length 96 mm, with Hexagonal Coupling
03.503.205	Screwdriver Shaft MatrixMIDFACE, medium, with Holding Sleeve, length 79 mm, with Hexagonal Coupling
03.503.206	Screwdriver Shaft MatrixMIDFACE, long, with Holding Sleeve, length 95 mm, with Hexagonal Coupling
311.005	Handle, small, with Hexagonal Coupling
311.006	Handle, medium, with Hexagonal Coupling
311.007	Handle, large, with Hexagonal Coupling

Select the appropriate screw type and size (self-tapping, self-drilling, emergency) and size (length, diameter).

- 1.3 mm MatrixMIDFACE screws can only be used with dark blue MatrixMIDFACE standard Mini plates
- 1.5 mm MATRIXMIDFACE screws can be used with all MatrixMIDFACE standard plates, except for dark blue MatrixMIDFACE standard Mini plates

To engage the screw on the blade, align the blade over the cruciform recess and slowly rotate it counter-clockwise until the blade drops into the recess; firmly press the blade to fully seat it into the screw. A half counter-clockwise rotation of the engaged screwdriver facilitates the screw removal from the clip.

Insert the first screw close to the fracture or osteotomy site, and tighten until secure.



Screw Size Selection

	Plate				
	Micro Silver 0.4 mm	Mini Light Blue 0.5 mm	Mini Dark Blue 0.4 mm	Medium Pink 0.7 mm	Large Gold 0.8 mm
1.3 mm SD Screw					
ST Screw			X		
1.7 mm E Screw					
1.5 mm SD Screw					
ST Screw	X	X		X	X
1.8 mm E Screw					

Insert the second screw on the opposite side of the fracture or osteotomy site, and then all remaining screws following the outlined procedure.

If the screw is inserted with angulation, verify that the screw is safely retained in the plate hole and that the construct profile is not significantly increased.

▲ Precautions:

- Confirm screw length prior to implantation.
- In order to determine the appropriate amount of screws needed to achieve stable construct fixation, the surgeon should consider the fracture size and shape.
- Tighten screws in a controlled manner. Applying too much torque to the screws may cause screw/plate deformation or bone stripping. If bone becomes stripped, remove the screw from the bone and replace with an emergency screw.

Orbital Fractures

1. Select plate

Instruments

03.503.032	Plate Holder, short
03.503.034	Plate Holder, long

Select the appropriate plate shape and thickness that best suits the bony anatomy and treatment objective.

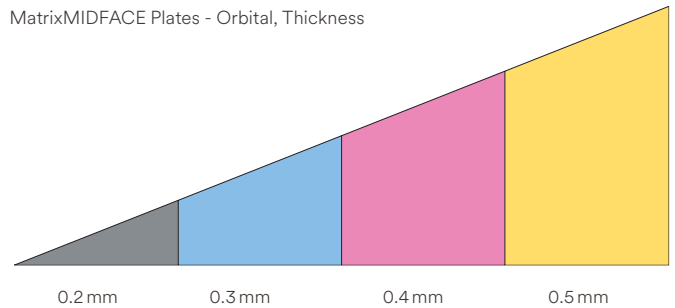
Optional Instruments

03.503.360–	Bending Templates for MatrixMIDFACE
03.503.365	

Notes:

- When working with sterile implants bending templates can be used for the plate selection.
- For surgical technique for MatrixMIDFACE Preformed Orbital Plates including correct handling of the orbital retractors refer to the surgical technique guide.
- For plate selection of COMPACT 1.3 Orbital Floor and Mesh Plates refer to the surgical technique guide.

MatrixMIDFACE Plates - Orbital, Thickness



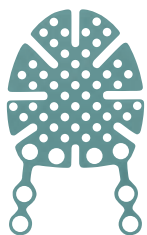
Not valid for MatrixMIDFACE Preformed Orbital Plates and COMPACT 1.3 Mesh Plates, Orbital Floor Mesh Plates and Anatomical Orbital Floor Plate



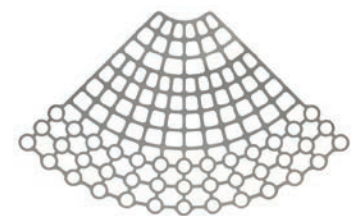
MatrixMIDFACE Anatomical Orbital Floor Plates



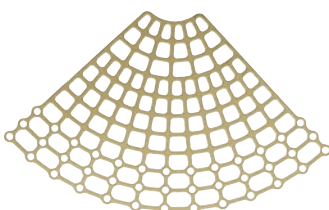
MatrixMIDFACE Universal Orbital Floor Plates



COMPACT 1.3 Anatomical Orbital Floor Plate, thickness 0.3



MatrixMIDFACE Orbital Floor Plates



COMPACT 1.3 Orbital Floor Mesh Plates, thickness 0.2 mm, 0.3 mm or 0.4 mm



COMPACT 1.3 Mesh Plates, thickness 0.4 mm or 0.6 mm



MatrixMIDFACE Preformed Orbital Plates, thickness 0.4 mm

2. Adapt plate to the bone

Instruments

03.503.033	Cutting Scissor for Mesh Plates, short
03.503.037	Cutting Scissor for Mesh Plates, long
03.503.038	Bending Pliers for MatrixMIDFACE Plates (two bending pliers required)

If required, cut and contour the plate to fit to the patient anatomy using the cutting scissor and the bending pliers respectively. Ensure that the plate is passively adapted to the bone.

■ Note:

For plate adaption of COMPACT 1.3 Orbital Floor and Mesh Plates refer to the surgical technique guide. Use MatrixMIDFACE instrumentation listed above for cutting and contouring.

▲ Precautions:

- Confirm that plate positioning allows for adequate clearance of nerves and any other critical structures.
- If contouring is necessary, the surgeon should avoid bending the device at a screw hole.
- Avoid sharp bends, repetitive and reverse bending as it increases the risk of implant breakage.
- The lateral anterior part of the MatrixMIDFACE Preformed Orbital Plate is intentionally prebent higher than the orbital rim anatomy to allow free plate movement during plate positioning. The lateral anterior part can be further contoured to match patient anatomy.
- Avoid contouring of the implant in situ that may lead to implant malposition and/or posterior cantilever effect.
- Take care to protect soft tissue from trimmed plate edges.

3. Drill the hole

Drill the hole with the appropriate diameter drill bit.

Notes:

- Screws are available in self-drilling (silver), self-tapping (bronze), and emergency (blue) designs.
- For 1.3 mm screws: If a pilot hole is desired, use the appropriate 1.0 mm diameter drill bit for all screw lengths.
- For 1.5 mm screws: If a pilot hole is desired, use the appropriate 1.1 mm diameter MatrixMIDFACE drill bit for drilling up to 8 mm length and the 1.25 mm diameter MatrixMIDFACE drill bit for screw lengths of 10 mm or more.
- For drilling holes for COMPACT 1.3 Orbital Floor and Mesh Plates refer to the surgical technique guide. When utilizing MatrixMIDFACE 1.3 screws refer to notes above.

Precautions:

- Confirm that drill bit length and diameter correspond to selected screw length prior to drilling.
- Predrilling not recommended for 3 mm self-drilling screws.
- Drill speed rate should never exceed 1,800 rpm, particularly in dense, hard bone. Higher drill speed rates can result in:
 - thermal necrosis of the bone,
 - soft tissue burns,
 - an oversized hole, which can lead to reduced pull-out force, increased ease of the screws stripping in bone, suboptimal fixation, and/or the need for emergency screws.
- Always irrigate during drilling to avoid thermal damage to the bone and ensure drill bit is concentric to plate hole.
- Avoid drilling over nerve or tooth roots.
- Take care while drilling as to not damage, entrap, or tear a patient’s soft tissue or damage critical structures. Be sure to keep drill clear of loose surgical materials.



Recommended pilot hole diameters

Screw diameter	Screw length	Drill bit diameter
1.3 mm	3 mm–12 mm	1.0 mm
1.5 mm	3 mm–10 mm	1.1 mm
1.5 mm	12 mm–18 mm	1.25 mm

4. Fixate plate to the bone

Instruments

03.503.201	Screwdriver Shaft MatrixMIDFACE, short, self-holding, length 52 mm, with Hexagonal Coupling
03.503.202	Screwdriver Shaft MatrixMIDFACE, medium, self-holding, length 76 mm, with Hexagonal Coupling
03.503.203	Screwdriver Shaft MatrixMIDFACE, long, self-holding, length 96 mm, with Hexagonal Coupling
03.503.205	Screwdriver Shaft MatrixMIDFACE, medium, with Holding Sleeve, length 79 mm, with Hexagonal Coupling
03.503.206	Screwdriver Shaft MatrixMIDFACE, long, with Holding Sleeve, length 95 mm, with Hexagonal Coupling
311.005	Handle, small, with Hexagonal Coupling
311.006	Handle, medium, with Hexagonal Coupling
311.007	Handle, large, with Hexagonal Coupling

Select the appropriate screw type and size (self-tapping, self-drilling, emergency) and size (length, diameter).

- 1.3 mm MatrixMIDFACE screws can only be used with COMPACT 1.3 plates
- 1.5 mm MatrixMIDFACE screws can be used with all MatrixMIDFACE plates

To engage the screw on the blade, align the blade over the cruciform recess and slowly rotate it counter-clockwise until the blade drops into the recess; firmly press the blade to fully seat it into the screw. A half counter-clockwise rotation of the engaged screwdriver facilitates the screw removal from the clip.



Screw Size Selection

	Plate			
	MatrixMIDFACE		COMPACT 1.3	
	Orbital Floor	Preformed Floor	Mesh	Orbital Floor
1.3 mm SD Screw ST Screw			X	X
1.7 mm E Screw				
1.5 mm SD Screw ST Screw	X	X		
1.8 mm E Screw				

Stabilize the implant with screws inserted through selected screw holes in the plate. Insert MatrixMIDFACE screws of appropriate size to secure the plate to the bone.

If the screw is inserted with angulation, verify that the screw is safely retained in the plate hole and that the construct profile is not significantly increased.

■ **Notes:**

- Test for impingement: A forced duction test must be completed to ensure unrestricted lateral and medial movement of the globe.
- For the surgical technique for MatrixMIDFACE Preformed Orbital Plates refer to the surgical technique guide.
- For fixing the plate to the bone when using COMPACT 1.3 Orbital Floor and Mesh Plates refer to the surgical technique guide. When selecting the appropriate MatrixMIDFACE screw type and size refer to step 4 above.

▲ **Precautions:**

- Confirm screw length prior to implantation.
- Tighten screws in a controlled manner. Applying too much torque to the screws may cause screw/plate deformation or bone stripping. If bone becomes stripped, remove the screw from the bone and replace with an emergency screw.
- In order to determine the appropriate amount of screws needed to achieve stable construct fixation, the surgeon should consider the fracture size and shape.

MatrixMIDFACE Plates – Standard

■ Micro Plates

04.503.313 Orbital Rim Plate, 12 holes,
thickness 0.4 mm, Pure Titanium



04.503.314 MatrixMIDFACE Adaption Plate, 6 holes,
thickness 0.4 mm, Pure Titanium



04.503.315 MatrixMIDFACE Adaption Plate, 8 holes,
thickness 0.4 mm, Pure Titanium



04.503.316 Adaption Plate, 20 holes,
thickness 0.4 mm, Pure Titanium



04.503.317 Y-Plate, 3 holes,
thickness 0.4 mm, Pure Titanium



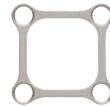
04.503.318 Double-Y-Plate, 6 holes,
thickness 0.4 mm, Pure Titanium



04.503.330 Frame Plate, 4 holes, 5 × 10 mm,
thickness 0.4 mm, Pure Titanium



04.503.331 Frame Plate, 4 holes, 10 × 10 mm,
thickness 0.4 mm, Pure Titanium



04.503.332 X-Plate, 4 holes,
thickness 0.4 mm, Pure Titanium



04.503.333 Strut Plate, 18 holes, thickness 0.4 mm,
Pure Titanium



■ Mini Plates

04.503.322 H-Plate, 11 holes, thickness 0.5 mm, Pure Titanium



04.503.323 L-Plate, 2+3 holes, left, thickness 0.5 mm, Pure Titanium



04.503.324 L-Plate, 2+3 holes, right, thickness 0.5 mm, Pure Titanium



04.503.325 L-Plate, 3+4 holes, left, thickness 0.5 mm, Pure Titanium



04.503.326 L-Plate, 3+4 holes, right, thickness 0.5 mm, Pure Titanium



04.503.327 T-Plate, 3+4 holes, thickness 0.5 mm, Pure Titanium



04.503.334 L-Plate, 4+6 holes, left, thickness 0.5 mm, Pure Titanium



04.503.335 L-Plate, 4+6 holes, right, thickness 0.5 mm, Pure Titanium



04.503.343 Orbital Rim Plate, 12 holes, thickness 0.5 mm, Pure Titanium













04.503.344 Adaption Plate, 6 holes, thickness 0.5 mm, Pure Titanium



04.503.345 Adaption Plate, 8 holes, thickness 0.5 mm, Pure Titanium



■ Mini Plates

04.503.346	Adaption Plate, 20 holes, thickness 0.5 mm, Pure Titanium	
04.503.347	Y-Plate, 3 holes, thickness 0.5 mm, Pure Titanium	
04.503.348	Double-Y-Plate, 6 holes, thickness 0.5 mm, Pure Titanium	
04.503.360	Frame Plate, 4 holes, 5×10 mm, thickness 0.5 mm, Pure Titanium	
04.503.361	Frame Plate, 4 holes, 10×10 mm, thickness 0.5 mm, Pure Titanium	
04.503.362	X-Plate, 4 holes, thickness 0.5 mm, Pure Titanium	
04.503.363	Strut Plate, 18 holes, thickness 0.5 mm, Pure Titanium	
Dark blue plates to be used with 1.3 MatrixMIDFACE screws		
04.503.219	Adaption Plate 1.3, 24 holes, thickness 0.5 mm, Pure Titanium	
04.503.220	Orbital Rim Plate 1.3, 9 holes, thickness 0.5 mm, Pure Titanium	
04.503.221	Adaption Plate 1.3, 8 holes, thickness 0.5 mm, Pure Titanium	

■ Medium Plates

04.503.352 H-Plate, 11 holes, thickness 0.7 mm, Pure Titanium



04.503.353 L-Plate, 2+3 holes, left, thickness 0.7 mm, Pure Titanium



04.503.354 L-Plate, 2+3 holes, right, thickness 0.7 mm, Pure Titanium



04.503.355 L-Plate, 3+4 holes, left, thickness 0.7 mm, Pure Titanium

04.503.356 L-Plate, 3+4 holes, right, thickness 0.7 mm, Pure Titanium



04.503.357 T-Plate, 3+4 holes, thickness 0.7 mm, Pure Titanium

04.503.364 L-Plate, 4+6 holes, left, thickness 0.7 mm, Pure Titanium









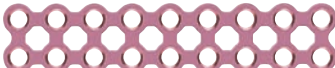
04.503.365 L-Plate, 4+6 holes, right, thickness 0.7 mm, Pure Titanium



04.503.373 Orbital Rim Plate, 12 holes, thickness 0.7 mm, Pure Titanium

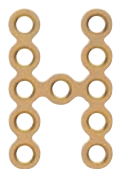


■ Medium Plates

04.503.374	Adaption Plate, 6 holes, thickness 0.7 mm, Pure Titanium	
04.503.375	Adaption Plate, 8 holes, thickness 0.7 mm, Pure Titanium	
04.503.376	Adaption Plate, 20 holes, thickness 0.7 mm, Pure Titanium	
04.503.377	Y-Plate, 3 holes, thickness 0.7 mm, Pure Titanium	
04.503.378	Double-Y-Plate, 6 holes, thickness 0.7 mm, Pure Titanium	
04.503.390	Frame Plate, 4 holes, 5 × 10 mm, thickness 0.7 mm, Pure Titanium	
04.503.391	Frame Plate, 4 holes, 10 × 10 mm, thickness 0.7 mm, Pure Titanium	
04.503.392	X-Plate, 4 holes, thickness 0.7 mm, Pure Titanium	
04.503.393	Strut Plate, 18 holes, thickness 0.7 mm, Pure Titanium	

■ Large Plates

04.503.382 H-Plate, 11 holes, thickness 0.8 mm, Pure Titanium



04.503.383 L-Plate, 2+3 holes, left, thickness 0.8 mm, Pure Titanium



04.503.384 L-Plate, 2+3 holes, right, thickness 0.8 mm, Pure Titanium



04.503.385 L-Plate, 3+4 holes, left, thickness 0.8 mm, Pure Titanium



04.503.386 L-Plate, 3+4 holes, right, thickness 0.8 mm, Pure Titanium



04.503.387 T-Plate, 3+4 holes, thickness 0.8 mm, Pure Titanium



04.503.394 L-Plate, 4+6 holes, left, thickness 0.8 mm, Pure Titanium



04.503.395 L-Plate, 4+6 holes, right, thickness 0.8 mm, Pure Titanium



04.503.396 Adaption Plate, 20 holes, thickness 0.8 mm, Pure Titanium



■ Large Plates

04.503.397 Orbital Rim Plate, 12 holes,
thickness 0.8 mm, Pure Titanium



04.503.398 Adaption Plate, 6 holes,
thickness 0.8 mm, Pure Titanium



04.503.399 Adaption Plate, 8 holes,
thickness 0.8 mm, Pure Titanium



MatrixMIDFACE Bending Templates

03.503.366 Adaption Plate, 20 holes



03.503.366

03.503.367 Orbital Rim Plate, 12 holes



03.503.367

03.503.368 L-Plate, 2+3 holes



03.503.368

03.503.369 L-Plate, 3+4 holes



03.503.369

03.503.370 L-Plate, 4+6 holes



03.503.370

03.503.371 Y-Plate, 3 holes



03.503.371

03.503.372 X-Plate, 4 holes



03.503.372

03.503.373 H-Plate, 11 holes



03.503.373

03.503.374 T-Plate, 3+4 holes



03.503.374

03.503.375 Frame Plate, 4 holes, 5 x 10 mm



03.503.375

03.503.376 Frame Plate, 4 holes, 10 x 10 mm



03.503.376

03.503.377 Strut Plate, 18 holes



03.503.377

03.503.378 Double-Y-Plate, 6 holes, thickness 0.4 mm



03.503.378

03.503.379 Double-Y-Plate, 6 holes, thickness 0.5 mm



03.503.379

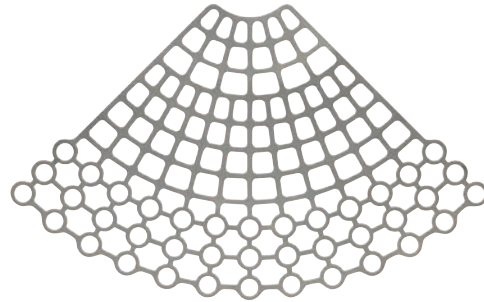
03.503.380 Double-Y-Plate, 6 holes, thickness 0.7 mm



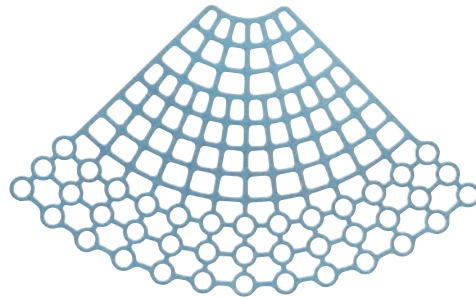
03.503.380

MatrixMIDFACE Plates – Orbital

04.503.306 Orbital Floor Mesh Plate,
thickness 0.2 mm, Pure Titanium



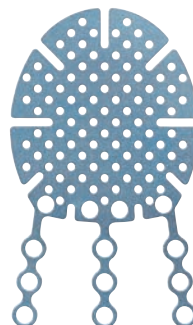
04.503.307 Orbital Floor Mesh Plate,
thickness 0.3 mm, Pure Titanium



04.503.301 Anatomic Orbital Floor Plate, small,
thickness 0.3 mm, Pure Titanium



04.503.302 Anatomic Orbital Floor Plate, medium,
thickness 0.3 mm, Pure Titanium



04.503.303



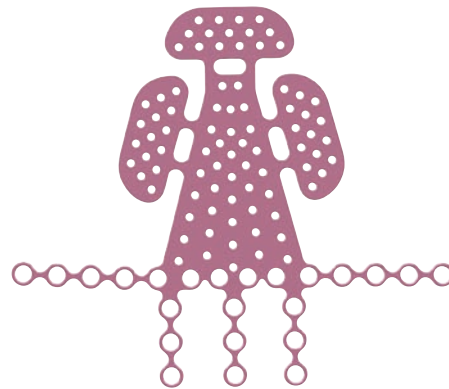
Anatomic Orbital Floor Plate, large,
thickness 0.3 mm, Pure Titanium



04.503.304



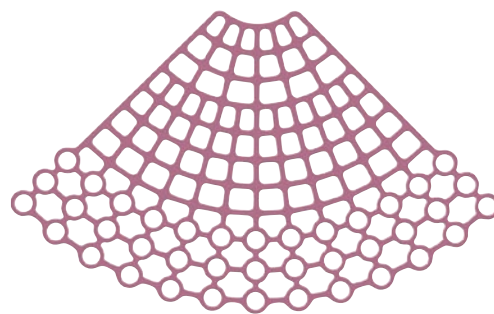
Universal Orbital Floor Plate,
thickness 0.4 mm, Pure Titanium



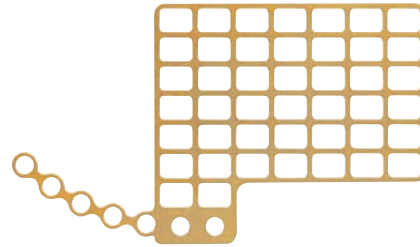
04.503.308



Orbital Floor Mesh Plate,
thickness 0.4 mm, Pure Titanium



04.503.305 Universal Orbital Plate, thickness
0.5 mm, Pure Titanium



04.503.801/
04.503.811 MatrixMIDFACE Preformed
Orbital Plate,
small, left/right, Pure Titanium

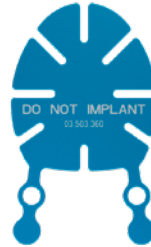


04.503.802/
04.503.812 MatrixMIDFACE Preformed
Orbital Plate,
large, left/right, Pure Titanium

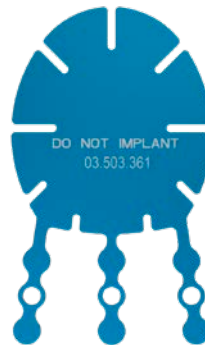


MatrixMIDFACE Bending Templates – Orbital

03.503.360 Anatomic Orbital Floor Plate, small



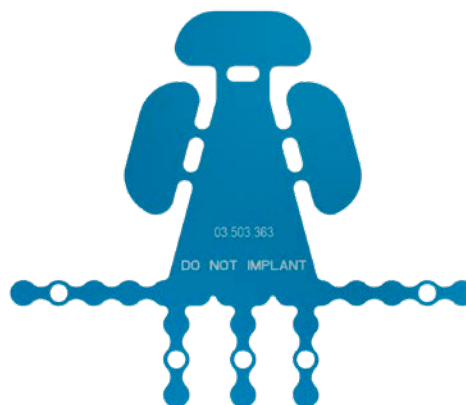
03.503.361 Anatomic Orbital Floor Plate, medium



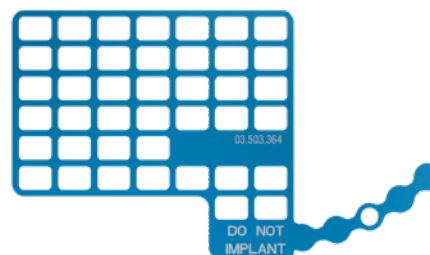
03.503.362 Anatomic Orbital Floor Plate, large



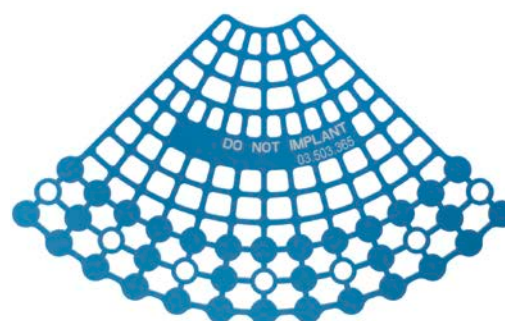
03.503.363 Universal Orbital Floor Plate



03.503.364 Universal Orbital Plate



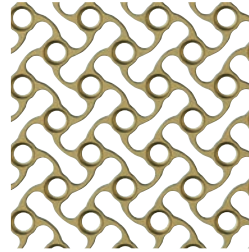
03.503.365 Orbital Floor Mesh Plate



COMPACT Midface 1.3 Plates

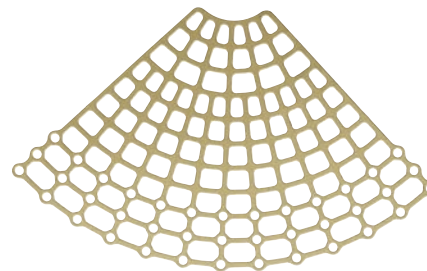
Mesh Plates 1.3

421.004	Mesh Plate 1.3, 38 x 45 mm, thickness 0.4 mm, Pure Titanium, blue
421.005	Mesh Plate 1.3, 38 x 45 mm, thickness 0.6 mm, Pure Titanium, gold
421.007	Mesh Plate 1.3, 100 x 100 mm, thickness 0.4 mm, Pure Titanium, blue
421.008	Mesh Plate 1.3, 100 x 100 mm, thickness 0.6 mm, Pure Titanium, gold
421.009	Mesh Plate 1.3, 200 x 200 mm, thickness 0.6 mm, Pure Titanium, gold



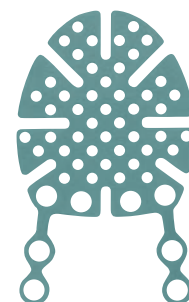
Orbital Floor Mesh Plates 1.3

421.302	Orbital Floor Mesh Plate 1.3, thickness 0.2 mm, Pure Titanium
421.303	Orbital Floor Mesh Plate 1.3, thickness 0.3 mm, Pure Titanium
421.304	Orbital Floor Mesh Plate 1.3, thickness 0.4 mm, Pure Titanium



Anatomical Orbital Floor Mesh Plate 1.3, small

421.048	Anatomic Orbital Floor Plate 1.3, small
---------	---



MatrixMIDFACE Screws

Titanium MatrixMIDFACE Screws

04.503.203– 04.503.218	Titanium MatrixMIDFACE Screws, Self Tapping, Ø 1.5 mm, L 3 mm–18 mm
04.503.223– 04.503.228	Titanium MatrixMIDFACE Screws, Self Drilling, Ø 1.5 mm, L 3 mm–8 mm
04.503.233– 04.503.248	Titanium MatrixMIDFACE Screws, Emergency, Ø 1.8 mm, L 3 mm–18 mm



Titanium 1.3 MatrixMIDFACE Screws

04.503.953– 04.503.962	Titanium MatrixMIDFACE Screws, Self Tapping, Ø 1.3 mm, L 3 mm–12 mm
04.503.943– 04.503.946	Titanium MatrixMIDFACE Screws, Self Drilling, Ø 1.3 mm, L 3 mm–6 mm
04.503.973– 04.503.982	Titanium MatrixMIDFACE Screws, Emergency, Ø 1.7 mm, L 3 mm–12 mm

Instruments

Plate Holders

- 03.503.032 Short
- 03.503.034 Long



Handles, with Hexagonal Coupling

- 311.005 Small
- 311.006 Medium
- 311.007 Large



Screwdriver Shaft MatrixMIDFACE, self-holding, with Hexagonal Coupling

- 03.503.201 Short, length 52 mm
- 03.503.202 Medium, length 76 mm
- 03.503.203 Long, length 96 mm



Screwdriver Shaft MatrixMIDFACE, with Holding Sleeve, with Hexagonal Coupling

- 03.503.205 Medium, length 79 mm
- 03.503.206 Long, length 95 mm



Drill Bits, for J-Latch Coupling

316.446 Ø 1.0 mm, with Stop, length 44.5/4 mm
 316.447 Ø 1.0 mm, with Stop, length 44.5/6 mm
 316.448 Ø 1.0 mm, with Stop, length 44.5/8 mm



03.315.011 Ø 1.0 mm, with Stop, length 75/12 mm



03.503.244 Ø 1.1 mm, with Stop, length 44.5/4 mm
 03.503.246 Ø 1.1 mm, with Stop, length 44.5/6 mm
 03.503.248 Ø 1.1 mm, with Stop, length 44.5/8 mm



03.503.110 Ø 1.25 mm, with Stop, length 44.5/10 mm
 03.503.112 Ø 1.25 mm, with Stop, length 44.5/12 mm
 03.503.118 Ø 1.25 mm, with Stop, length 44.5/18 mm



03.503.123 Ø 1.25 mm, with Stop, length 125/18 mm



03.503.120 Ø 1.25 mm, length 80 mm
 03.503.121 Ø 1.25 mm, length 125 mm



Drill Bits, for MiniQuick Coupling

316.451 Ø 1.0 mm, with Stop, length 44.5/4 mm
 316.452 Ø 1.0 mm, with Stop, length 44.5/6 mm
 316.453 Ø 1.0 mm, with Stop, length 44.5/8 mm



316.396 Ø 1.0 mm, with Stop, length 50/35 mm



03.503.284 Ø 1.1 mm, with Stop, length 44.5/4 mm
 03.503.286 Ø 1.1 mm, with Stop, length 44.5/6 mm
 03.503.288 Ø 1.1 mm, with Stop, length 44.5/8 mm



03.503.140 Ø 1.25 mm, with Stop, length 44.5/10 mm
 03.503.142 Ø 1.25 mm, with Stop, length 44.5/12 mm
 03.503.148 Ø 1.25 mm, with Stop, length 44.5/18 mm



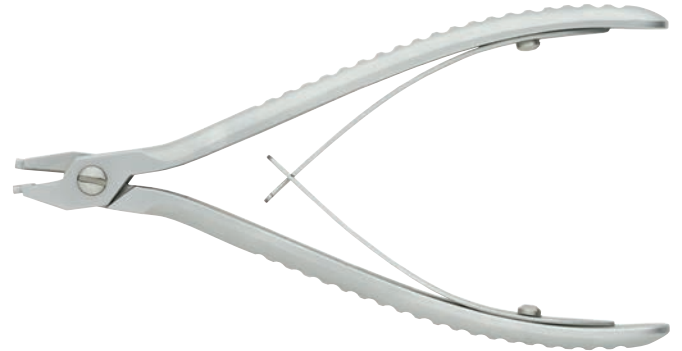
03.503.153 Ø 1.25 mm, with Stop, length 125/18 mm



03.503.150 Ø 1.25 mm, length 80 mm
 03.503.151 Ø 1.25 mm, length 125 mm



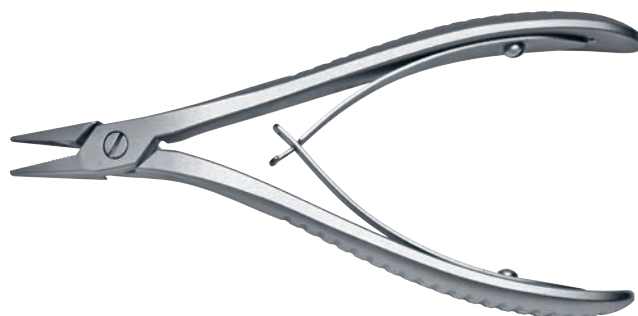
03.503.035 Bending Pliers 3D for MatrixMIDFACE
Plates



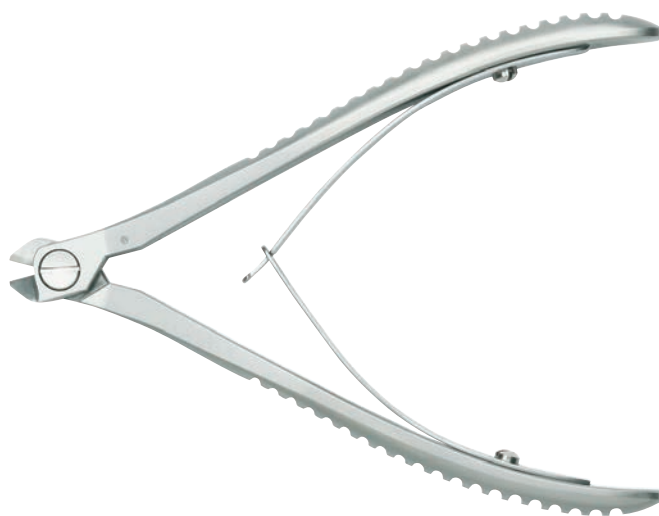
03.503.033 Cutting Scissors for Mesh Plates, short
03.503.037 Cutting Scissors for Mesh Plates, long



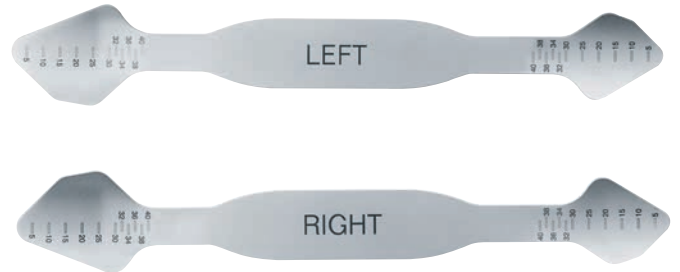
03.503.038 Bending Pliers for
MatrixMIDFACE Plates



03.503.039 Plate Cutter for MatrixMIDFACE



-
- 03.503.801 Orbital Retractor, left
 - 03.503.802 Orbital Retractor, right



-
- 03.507.000 T-Handle, small, with Hexagonal Coupling



Threaded Reduction Tools, hex coupling

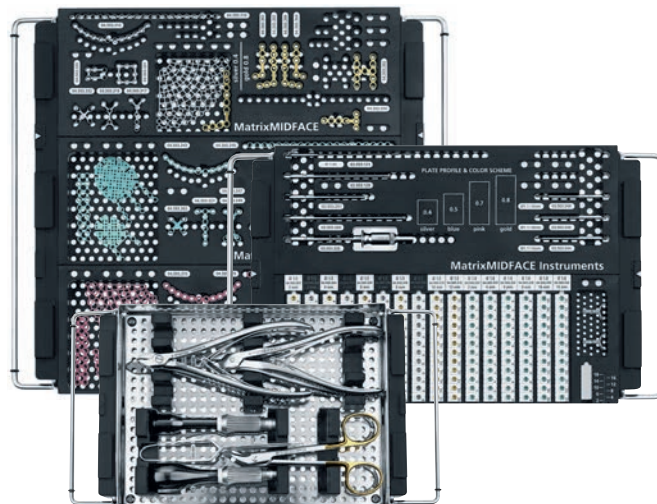
- 03.507.002S Threaded Reduction Tool Ø 2.4 mm, self-drilling, length 78 mm, with Hexagonal Coupling, sterile
- 03.507.003 Threaded Reduction Tool Ø 3.5 mm, self-tapping, length 78 mm, with Hexagonal Coupling
- 03.507.004 Threaded Reduction Tool Ø 3.5 mm, self-tapping, length 43 mm, with Hexagonal Coupling



MatrixMIDFACE Modules

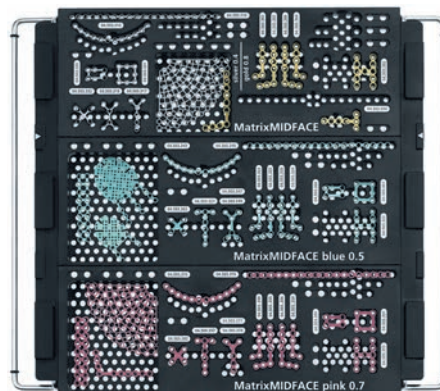
MatrixMIDFACE Standard Set Configuration

- 61.503.623 Module for MatrixMIDFACE Plates, 3/3, with Lid, without Contents
- 61.503.613 Module for MatrixMIDFACE Screws and Instruments, 2/3, with Lid, without Contents
- 61.503.603 Instrument Tray MatrixMIDFACE, 2/3, with Lid, without Contents

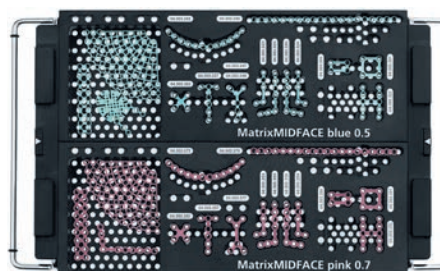


MatrixMIDFACE Modules

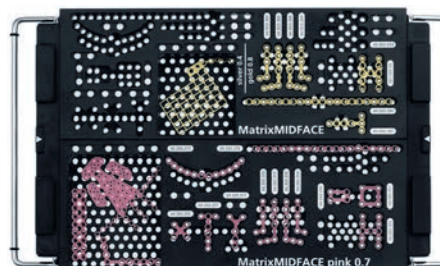
- 61.503.623 Module for MatrixMIDFACE Plates, 3/3, with Lid, without Contents
- 01.503.623 MatrixMIDFACE Plate Set, 3/3



- 61.503.630 Module for MatrixMIDFACE Plates, blue 0.5 mm and pink 0.7 mm, 2/3, with Lid, without Contents
- 01.503.634 MatrixMIDFACE Plate Set, blue 0.5 mm and pink 0.7 mm, 2/3

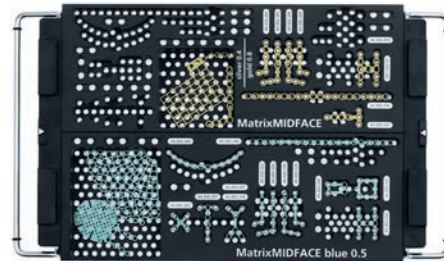


- 61.503.650 Module for MatrixMIDFACE Plates, pink 0.7 mm and gold 0.8 mm, 2/3, with Lid, without Contents
- 01.503.654 MatrixMIDFACE Plate Set, pink 0.7 mm and gold 0.8 mm, 2/3



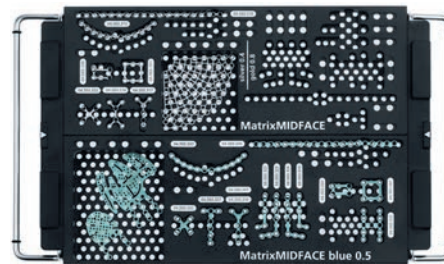
61.503.640 Module for MatrixMIDFACE Plates, blue 0.5 mm and gold 0.8 mm, 2/3, with Lid, without Contents

01.503.644 MatrixMIDFACE Plate Set, blue 0.5 mm and gold 0.8 mm, 2/3



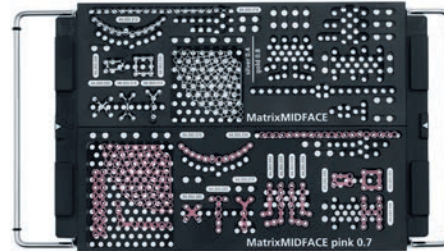
61.503.610 Module for MatrixMIDFACE Plates, silver 0.4 mm and blue 0.5 mm, 2/3, with Lid, without Contents

01.503.614 MatrixMIDFACE Plate Set, silver 0.4 mm and blue 0.5 mm, 2/3



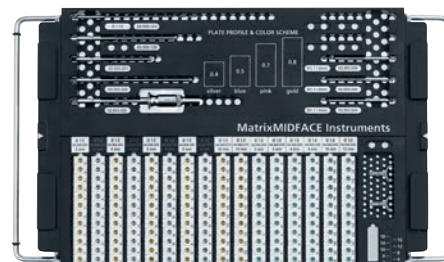
61.503.620 Module for MatrixMIDFACE Plates, silver 0.4 mm and pink 0.7 mm, 2/3, with Lid, without Contents

01.503.624 MatrixMIDFACE Plate Set, silver 0.4 mm and pink 0.7 mm, 2/3



61.503.613 Module for MatrixMIDFACE Screws and Instruments, 2/3, with Lid, without Contents

01.503.613 MatrixMIDFACE Screws and Instrument Set, 2/3



61.503.600 Module MatrixMIDFACE, 1/3, with Lid, without Contents, for use with sterile Implants

01.503.606 MatrixMIDFACE Set, 1/3, for use with sterile Implants



61.503.604 Module MatrixMIDFACE Compact, 3/3, with Lid, without Contents

01.503.604 MatrixMIDFACE Compact Set, 3/3



1.3 MatrixMIDFACE Modules

61.503.814 Module 1.3 MatrixMIDFACE, 3/3,
with Lid, without Contents

01.503.816 1.3 MatrixMIDFACE Set, 3/3



61.503.601 Module 1.3 MatrixMIDFACE, 1/3,
with Lid, without Contents,
for use with sterile Implants

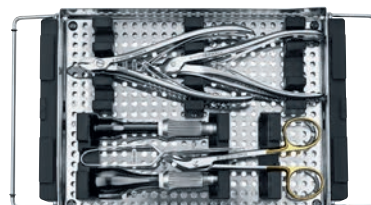
01.503.603 1.3 MatrixMIDFACE Set, 1/3
MatrixMIDFACE Set, 1/3,
for use with sterile Implants



Instrumentation

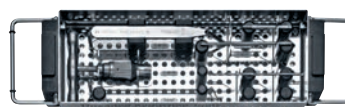
61.503.603 Instrument Tray MatrixMIDFACE, 2/3,
with Lid, without Contents

01.503.603 MatrixMIDFACE Instrument Set, 2/3



61.507.000 Instrument Tray for MatrixMIDFACE
Threaded Reduction Tools and T-Handle,
1/3, with Lid, without Contents

01.507.000 MatrixMIDFACE Threaded Reduction
Tool and T-Handle Set, 1/3



Also available

MatrixORBITAL Surgical Technique

MatrixMIDFACE Threaded Reduction Tools and T-Handle Surgical Technique

Ordering Information

MatrixMIDFACE

MatrixMIDFACE Modules

61.503.600	Module MatrixMIDFACE, 1/3, with Lid, without Contents, for use with sterile Implants
61.503.603	Instrument Tray MatrixMIDFACE, 2/3, with Lid, without Contents
61.503.610	Module for MatrixMIDFACE Plates, silver 0.4 mm and blue 0.5 mm, 2/3, with Lid, without Contents
61.503.613	Module for MatrixMIDFACE Screws and Instruments, 2/3, with Lid, without Contents
61.503.620	Module for MatrixMIDFACE Plates, silver 0.4 mm and pink 0.7 mm, 2/3, with Lid, without Contents, 2/3
61.503.623	Module for MatrixMIDFACE Plates, 3/3, with Lid, without Contents
61.503.630	Module for MatrixMIDFACE Plates, blue 0.5 mm and pink 0.7 mm, 2/3, with Lid, without Contents
61.503.640	Module for MatrixMIDFACE Plates, blue 0.5 mm and gold 0.8 mm, 2/3, with Lid, without Contents
61.503.650	Module for MatrixMIDFACE Plates, pink 0.7 mm and gold 0.8 mm, 2/3, with Lid, without Contents
61.503.604	Module MatrixMIDFACE Compact, 3/3, with Lid, without Contents

MatrixMIDFACE Screws, Titanium Alloy (TAN)

Predrilling is recommended with 1.1 mm MatrixMIDFACE Drill Bits for screw lengths 3 mm–8 mm and 1.25 mm MatrixMIDFACE Drill Bits for screw lengths of 10 mm or more. Drill bits are combined with power tools.

Self-tapping Screws \varnothing 1.5 mm

04.503.203	Length 3 mm
04.503.204	Length 4 mm
04.503.205	Length 5 mm
04.503.206	Length 6 mm
04.503.208	Length 8 mm
04.503.210	Length 10 mm
04.503.212	Length 12 mm
04.503.214	Length 14 mm
04.503.216	Length 16 mm
04.503.218	Length 18 mm

Self-drilling Screws \varnothing 1.5 mm

04.503.223	Length 3 mm (predrilling not recommended)
04.503.224	Length 4 mm
04.503.225	Length 5 mm
04.503.226	Length 6 mm
04.503.228	Length 8 mm

Emergency Screws \varnothing 1.8 mm, self-tapping

04.503.233	Length 3 mm
04.503.234	Length 4 mm
04.503.235	Length 5 mm
04.503.236	Length 6 mm
04.503.238	Length 8 mm
04.503.240	Length 10 mm
04.503.242	Length 12 mm
04.503.244	Length 14 mm
04.503.246	Length 16 mm
04.503.248	Length 18 mm

MatrixMIDFACE Plates, Pure Titanium

Orbital Floor Plates

04.503.301	Anatomic Orbital Floor Plate, small, thickness 0.3 mm
04.503.302	Anatomic Orbital Floor Plate, medium, thickness 0.3 mm
04.503.303	Anatomic Orbital Floor Plate, large, thickness 0.3 mm
04.503.304	Universal Orbital Floor Plate, thickness 0.4 mm
04.503.305	Universal Orbital Plate, thickness 0.5 mm
04.503.306	Orbital Floor Mesh Plate, thickness 0.2 mm
04.503.307	Orbital Floor Mesh Plate, thickness 0.3 mm
04.503.308	Orbital Floor Mesh Plate, thickness 0.4 mm

Preformed Orbital Plates

04.503.801	Small, left
04.503.802	Large, left
04.503.811	Small, right
04.503.812	Large, right

Orbital Rim Plates

04.503.313	12 holes, thickness 0.4 mm
04.503.343	12 holes, thickness 0.5 mm
04.503.373	12 holes, thickness 0.7 mm
04.503.397	12 holes, thickness 0.8 mm

Adaption Plates

04.503.314	6 holes, thickness 0.4 mm
04.503.344	6 holes, thickness 0.5 mm
04.503.374	6 holes, thickness 0.7 mm
04.503.398	6 holes, thickness 0.8 mm
04.503.315	8 holes, thickness 0.4 mm
04.503.345	8 holes, thickness 0.5 mm
04.503.375	8 holes, thickness 0.7 mm
04.503.399	8 holes, thickness 0.8 mm
04.503.316	20 holes, thickness 0.4 mm
04.503.346	20 holes, thickness 0.5 mm
04.503.376	20 holes, thickness 0.7 mm
04.503.396	20 holes, thickness 0.8 mm

Y-Plates

04.503.317	Y-Plate, 3 holes, thickness 0.4 mm
04.503.347	Y-Plate, 3 holes, thickness 0.5 mm
04.503.377	Y-Plate, 3 holes, thickness 0.7 mm
04.503.318	Double-Y-Plate, 6 holes, thickness 0.4 mm
04.503.348	Double-Y-Plate, 6 holes, thickness 0.5 mm
04.503.378	Double-Y-Plate, 6 holes, thickness 0.7 mm

Frame Plates	
04.503.330	4 holes, 5x10 mm, thickness 0.4 mm
04.503.360	4 holes, 5x10 mm, thickness 0.5 mm
04.503.390	4 holes, 5x10 mm, thickness 0.7 mm
04.503.331	4 holes, 10x10 mm, thickness 0.4 mm
04.503.361	4 holes, 10x10 mm, thickness 0.5 mm
04.503.391	4 holes, 10x10 mm, thickness 0.7 mm

X-Plates	
04.503.332	4 holes, thickness 0.4 mm
04.503.362	4 holes, thickness 0.5 mm
04.503.392	4 holes, thickness 0.7 mm

Strut Plates	
04.503.333	18 holes, thickness 0.4 mm
04.503.363	18 holes, thickness 0.5 mm
04.503.393	18 holes, thickness 0.7 mm

L-Plates	
04.503.323	2+3 holes, left, thickness 0.5 mm
04.503.353	2+3 holes, left, thickness 0.7 mm
04.503.383	2+3 holes, left, thickness 0.8 mm
04.503.324	2+3 holes, right, thickness 0.5 mm
04.503.354	2+3 holes, right, thickness 0.7 mm

04.503.384	2+3 holes, right, thickness 0.8 mm
04.503.325	3+4 holes, left, thickness 0.5 mm
04.503.355	3+4 holes, left, thickness 0.7 mm
04.503.385	3+4 holes, left, thickness 0.8 mm
04.503.326	3+4 holes, right, thickness 0.5 mm
04.503.356	3+4 holes, right, thickness 0.7 mm
04.503.386	3+4 holes, right, thickness 0.8 mm
04.503.334	4+6 holes, left, thickness 0.5 mm
04.503.364	4+6 holes, left, thickness 0.7 mm
04.503.394	4+6 holes, left, thickness 0.8 mm
04.503.335	4+6 holes, right, thickness 0.5 mm
04.503.365	4+6 holes, right, thickness 0.7 mm
04.503.395	4+6 holes, right, thickness 0.8 mm

T-Plates	
04.503.327	3+4 holes, thickness 0.5 mm
04.503.357	3+4 holes, thickness 0.7 mm
04.503.387	3+4 holes, thickness 0.8 mm

H-Plates	
04.503.322	11 holes, thickness 0.5 mm
04.503.352	11 holes, thickness 0.7 mm
04.503.382	11 holes, thickness 0.8 mm

Overview Screws and Plates

	Pack of 1 unit	Pack of 4 units	Pack of 1 unit, sterile	Pack of 4 units, sterile
Self-tapping screws (in clips) ³	04.503.xxx. 01C	04.503.xxx. 04C	04.503.xxx. 01S	04.503.xxx. 04S
Self-drilling screws (in clips) ²	04.503.xxx. 01C	04.503.xxx. 04C	04.503.xxx. 01S	04.503.xxx. 04S
Emergency screws (in clips)	04.503.xxx. 01C		04.503.xxx. 01S	
Plates ¹	04.503.xxx		04.503.xxx S	

¹ For color-coding of MatrixMIDFACE plates refer to strength gradient on MatrixMIDFACE Plate and Screw System section.

² Labelling clips for self-drilling screws are marked with "SD".

³ 04.503.214, 04.503.216 and 04.503.218 self-tapping screws are only available in packs of 1 unit.

1.3 MatrixMIDFACE

1.3 MatrixMIDFACE Modules

61.503.814	Module 1.3 MatrixMIDFACE, 3/3, with Lid, without Contents
61.503.601	Module 1.3 MatrixMIDFACE, 1/3, with Lid, without Contents, for use with sterile Implants

1.3 MatrixMIDFACE Screws, Titanium Alloy (TAN)

Predrilling is recommended with 1.0 mm Drill Bit.
Drill bits are combined with power tools.

Self-tapping Screws Ø 1.3 mm	
04.503.953	Length 3 mm
04.503.954	Length 4 mm
04.503.955	Length 5 mm
04.503.956	Length 6 mm
04.503.958	Length 8 mm
04.503.960	Length 10 mm
04.503.962	Length 12 mm

Self-drilling Screws Ø 1.3 mm	
04.503.943	Length 3 mm (predrilling not recommended)
04.503.944	Length 4 mm
04.503.945	Length 5 mm
04.503.946	Length 6 mm

Emergency Screws Ø 1.7 mm, self-tapping	
04.503.973	Length 3 mm
04.503.974	Length 4 mm
04.503.975	Length 5 mm
04.503.976	Length 6 mm
04.503.978	Length 8 mm
04.503.980	Length 10 mm
04.503.982	Length 12 mm

Overview Screws and Plates

	Pack of 1 unit	Pack of 4 units	Pack of 1 unit, sterile
Self-tapping screws (in clips)	04.503.xxx. 01C	04.503.xxx. 04C	04.503.xxx. 01S
Self-drilling screws (in clips)	04.503.xxx. 01C		04.503.xxx. 01S
Emergency screws (in clips)	04.503.xxx. 01C		04.503.xxx. 01S
Plates	04.503.xxx		04.503.xxx. S

1.3 MatrixMIDFACE Plates, Pure Titanium

Orbital Rim Plate	
04.503.220	Orbital Rim Plate 1.3, 9 holes, thickness 0.5 mm, Pure Titanium

Adaption Plates	
04.503.219	Adaption Plate 1.3, 24 holes, thickness 0.5 mm, Pure Titanium
04.503.222	Adaption Plate 1.3, 8 holes, thickness 0.5 mm, Pure Titanium

COMPACT Midface 1.3 Plates, Pure Titanium

Mesh Plate 1.3	
421.004	Mesh Plate 1.3, 38 x 45 mm, thickness 0.4 mm, Pure Titanium, blue
421.005	Mesh Plate 1.3, 38 x 45 mm, thickness 0.6 mm, Pure Titanium, gold
421.007	Mesh Plate 1.3, 100 x 100 mm, thickness 0.4 mm, Pure Titanium, blue
421.008	Mesh Plate 1.3, 100 x 100 mm, thickness 0.6 mm, Pure Titanium, gold
421.009	Mesh Plate 1.3, 200 x 200 mm, thickness 0.6 mm, Pure Titanium, gold

Orbital Floor Mesh Plate 1.3	
421.302	Orbital Floor Mesh Plate 1.3, thickness 0.2 mm, Pure Titanium
421.303	Orbital Floor Mesh Plate 1.3, thickness 0.3 mm, Pure Titanium
421.304	Orbital Floor Mesh Plate 1.3, thickness 0.4 mm, Pure Titanium

Anatomical Orbital Floor Mesh Plate 1.3	
421.048	Anatomic Orbital Floor Plate 1.3, small

Instruments

03.503.032	Plate Holder, short
03.503.033	Cutting Scissors for Mesh Plates, short
03.503.034	Plate Holder, long
03.503.035	Bending Pliers 3D for MatrixMIDFACE Plates
03.503.037	Cutting Scissors for Mesh Plates, long
03.503.038	Bending Pliers for MatrixMIDFACE Plates
03.503.039	Plate Cutter for MatrixMIDFACE

Screwdriver Shaft MatrixMIDFACE, self-holding, with Hexagonal Coupling

03.503.201	Short, length 52 mm
03.503.202	Medium, length 76 mm
03.503.203	Long, length 96 mm

Screwdriver Shaft MatrixMIDFACE, with Holding Sleeve, with Hexagonal Coupling

03.503.205	Medium, length 79 mm
03.503.206	Long, length 95 mm

Drill Bits Ø 1.0 mm, for J-Latch Coupling

316.446	Drill Bit with Stop, length 44.5/4 mm, 2-flute
316.447	Drill Bit with Stop, length 44.5/6 mm, 2-flute
316.448	Drill Bit with Stop, length 44.5/8 mm, 2-flute
03.315.011	Drill Bit with Stop, length 75/12 mm

MatrixMIDFACE Drill Bits Ø 1.1 mm, for J-Latch Coupling

03.503.244	Drill Bit with Stop, length 44.5/4 mm
03.503.246	Drill Bit with Stop, length 44.5/6 mm
03.503.248	Drill Bit with Stop, length 44.5/8 mm

MatrixMIDFACE Drill Bits Ø 1.25 mm, for J-Latch Coupling

03.503.110	Drill Bit with Stop, length 10/44.5 mm, 2-flute
03.503.112	Drill Bit with Stop, length 12/44.5 mm, 2-flute
03.503.118	Drill Bit with Stop, length 18/44.5 mm, 2-flute
03.503.123	Drill Bit with Stop, length 18/125 mm, 2-flute
03.503.120	Drill Bit, length 80 mm, 2-flute
03.503.121	Drill Bit, length 125 mm, 2-flute

Drill Bits Ø 1.0mm, for Mini Quick Coupling

316.451	Drill Bit with Stop, length 44.5/4 mm, 2-flute
316.452	Drill Bit with Stop, length 44.5/6 mm
316.453	Drill Bit with Stop, length 44.5/8 mm
316.396	Drill Bit with Stop, length 50/35 mm

MatrixMIDFACE Drill Bits Ø 1.1 mm, for Mini Quick Coupling

03.503.284	Drill Bit with Stop, length 44.5/4 mm
03.503.286	Drill Bit with Stop, length 44.5/6 mm
03.503.288	Drill Bit with Stop, length 44.5/8 mm

MatrixMIDFACE Drill Bits Ø 1.25 mm, for Mini Quick Coupling

03.503.140	Drill Bit with Stop, length 10/44.5 mm, 2-flute
03.503.142	Drill Bit with Stop, length 12/44.5 mm, 2-flute
03.503.148	Drill Bit with Stop, length 18/44.5 mm, 2-flute
03.503.153	Drill Bit with Stop, length 18/125 mm, 2-flute
03.503.150	Drill Bit, length 80 mm, 2-flute
03.503.151	Drill Bit, length 125 mm, 2-flute

Handles, with Hexagonal Coupling

311.005	Small
311.006	Medium
311.007	Large

MatrixMIDFACE Bending Templates

03.503.360	Anatomic Orbital Floor Plate, small
03.503.361	Anatomic Orbital Floor Plate, medium
03.503.362	Anatomic Orbital Floor Plate, large
03.503.363	Universal Orbital Floor Plate
03.503.364	Universal Orbital Plate
03.503.365	Orbital Floor Mesh Plate
03.503.366	Adaption Plate, 20 holes
03.503.367	Orbital Rim Plate, 12 holes
03.503.368	L-Plate, 2+3 holes
03.503.369	L-Plate, 3+4 holes
03.503.370	L-Plate, 4+6 holes
03.503.371	Y-Plate, 3 holes
03.503.372	X-Plate, 4 holes
03.503.373	H-Plate, 11 holes
03.503.374	T-Plate, 3+4 holes
03.503.375	Frame Plate, 4 holes, 5×10 mm
03.503.376	Frame Plate, 4 holes, 10×10 mm
03.503.377	Strut Plate, 18 holes
03.503.378	Double-Y-Plate, 6 holes, thickness 0.4 mm
03.503.379	Double-Y-Plate, 6 holes, thickness 0.5 mm
03.503.380	Double-Y-Plate, 6 holes, thickness 0.7 mm

Additionally Available

MatrixMIDFACE Orbital Retractors

03.503.801	Orbital Retractor, left
03.503.802	Orbital Retractor, right

MatrixMIDFACE Threaded Reduction Tools and T-Handle Module

61.507.000	Instrument Tray for MatrixMIDFACE Threaded Reduction Tools and T-Handle, 1/3, with Lid, without Contents
------------	--

Instruments

03.507.000	T-Handle, small, with Hexagonal Coupling
03.507.002S	Threaded Reduction Tool Ø 2.4 mm, self-drilling, length 78 mm, with Hexagonal Coupling, sterile
03.507.003	Threaded Reduction Tool Ø 3.5 mm, self-tapping, length 78 mm, with Hexagonal Coupling
03.507.004	Threaded Reduction Tool Ø 3.5 mm, self-tapping, length 43 mm, with Hexagonal Coupling
03.507.005	Drill Guide 2.4
310.441	Drill Bit Ø 2.4 mm, length 80 mm, 2-flute, for J-Latch Coupling

Additionally Available

310.565	Drill Bit Ø 1.8 mm, length 80 mm, 2-flute, for J-Latch Coupling
312.180	Double Drill Guide 2.4/1.8

Overview Drill Bits

	Pack of 1 unit	Pack of 1 unit, sterile
Drill Bits	03.503.xxx	03.503.xxx.S

Not all products are currently available in all markets.
This publication is not intended for distribution in the USA.
Please refer to the instructions for use for a complete list of indications, contraindications, warnings and precautions
All Surgical Techniques are available as PDF files at www.depuysynthes.com/ifu



Synthes GmbH
Eimattstrasse 3
4436 Oberdorf
Switzerland
Tel: +41 61 965 61 11

www.depuysynthes.com