

Specialized Implants and Instruments for Craniofacial Reconstruction

RAPIDSORB® Rapid Resorbable Fixation System

Surgical Technique

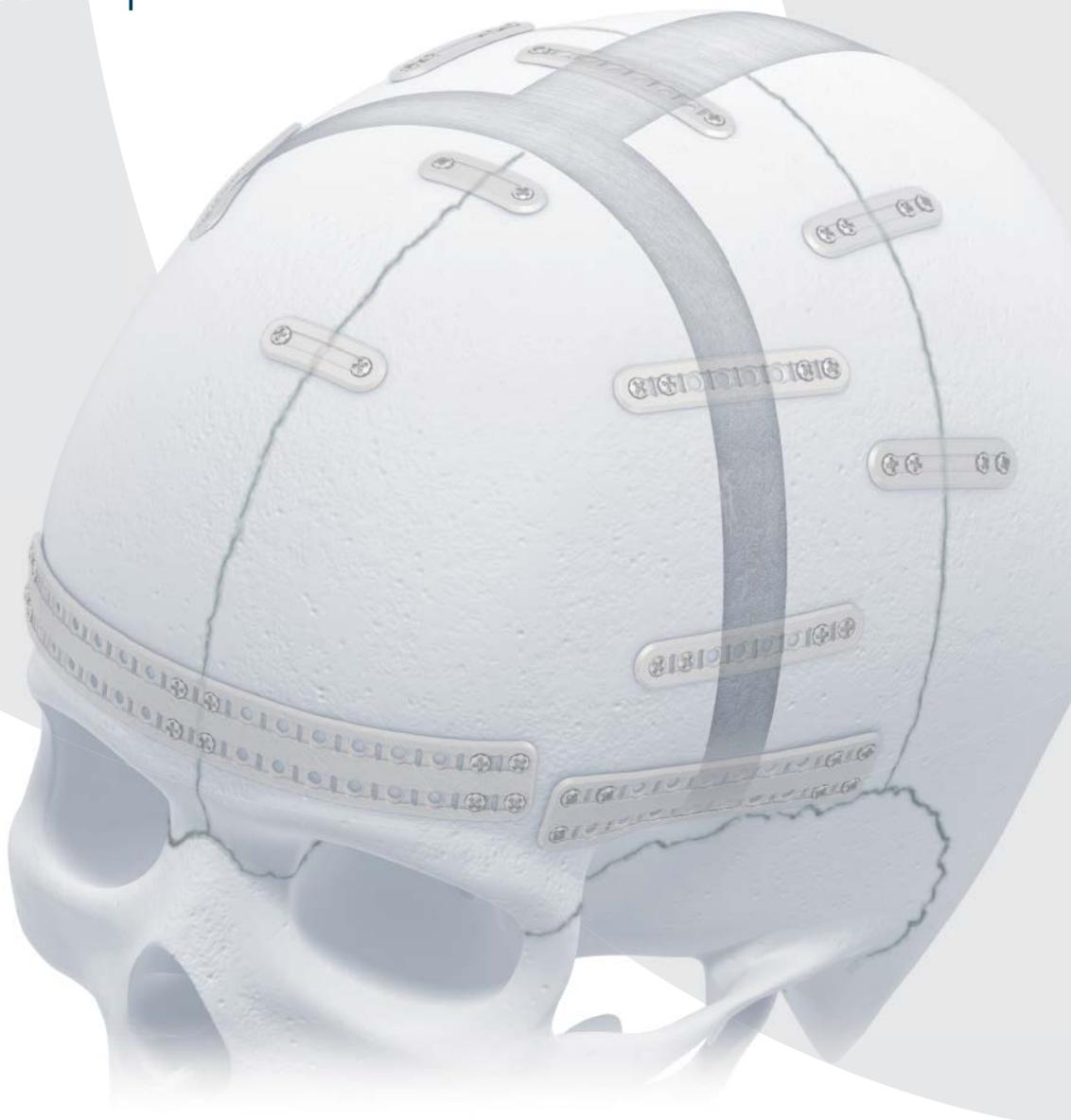


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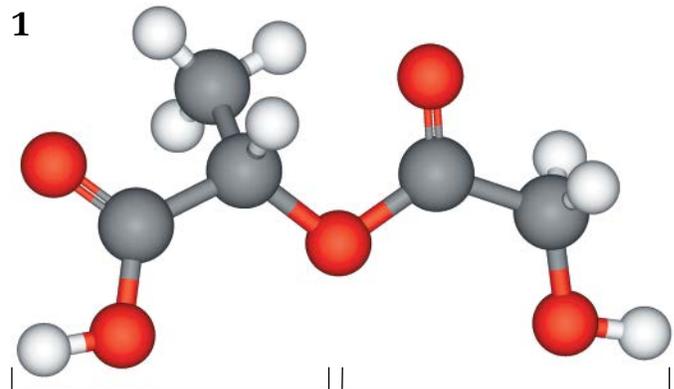
RAPIDSORB® Rapid Resorbable Fixation System is a resorbable fixation system that was developed for fracture stabilization and craniofacial reconstruction. The implants provide appropriate fixation for bone healing and are gradually resorbed by the body. RAPIDSORB Rapid Resorbable Fixation System presents an attractive alternative to metal implants.

The implants of the RAPIDSORB Rapid Resorbable Fixation System are manufactured from 85:15 poly (L-lactide-co-glycolide). This copolymer is formed by combining L-lactide and glycolide, which maximizes the advantageous characteristics of each component and provides a material well-suited for craniofacial reconstruction (Figure 1).

85:15 poly (L-lactide-co-glycolide) is a linear, substantially amorphous, random copolymer, and retains approximately 85% of its initial bending strength after 8 weeks (Figure 2). RAPIDSORB Implants resorb in approximately 12 months.¹

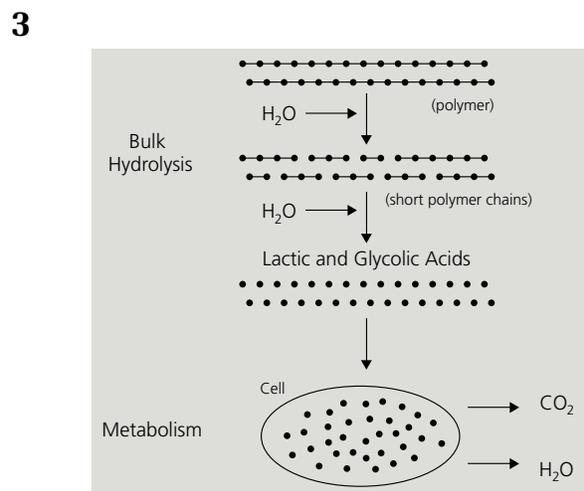
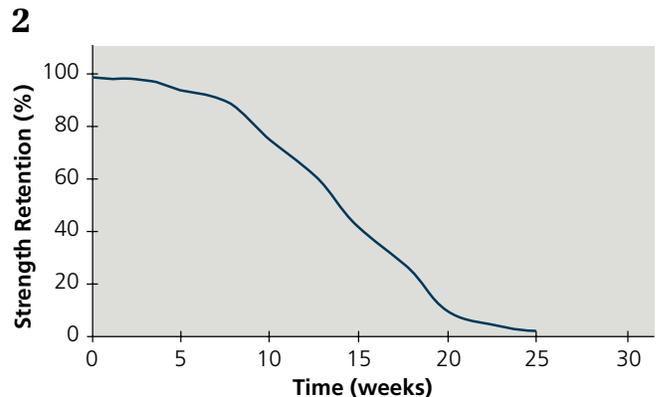
A significant benefit of this composition is the amorphous microstructure, which is readily resorbed by the body (Figure 3). First, water penetrates the bulk of the device and breaks the chemical bonds along the backbone of the polymer chains in a process called hydrolysis. As the bonds are broken, producing shorter polymer chains, the molecular weight of the polymer decreases, and the strength of the material decreases.

Eventually, the material loses its integrity and breaks down into smaller and smaller particles. These smaller pieces are then phagocytized (ingested and digested by the cells of the body). The polymer is broken down into lactic and glycolic acids, which are subsequently eliminated through natural body metabolism in the form of water and CO₂, without toxic tissue accumulation.²



L-Lactide (85%)
L-lactide polymers are semi-crystalline, characterized by high strength and a long degradation time.

Glycolide (15%)
Glycolide polymers are amorphous, characterized by lower strength and more rapid degradation.



1. Average strength retention data file USBIO07003 at DePuy Synthes Companies of Johnson & Johnson.

2. Miller RA, Brady JM, Cutright DE. Degradation rates of oral resorbable implants (polylactates and polyglycolates): rate modification with changes in PLA/PGA copolymer ratios. *J Biomed Mater Res.* 1977;11:711-9.

Indications and Contraindications

Indications

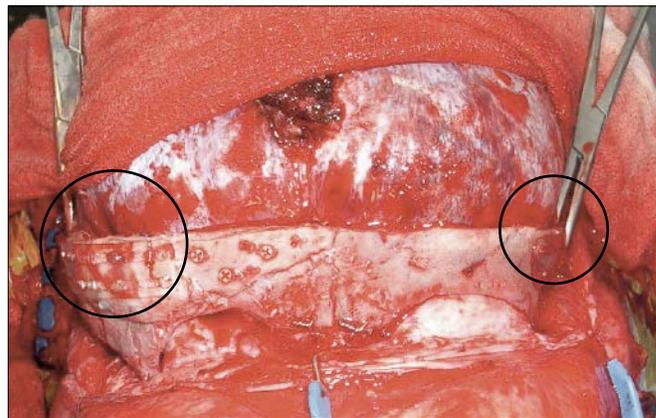
The RAPIDSORB Rapid Resorbable Fixation System is intended for use in fracture repair and reconstructive procedures of the craniofacial skeleton in pediatric and adult populations.

In addition, resorbable meshes, sheets, and screws may be used in non-load-bearing applications for maintaining the relative position of, and/or containing, bony fragments, bone grafts, (autograft or allograft), or bone graft substitutes in reconstruction of the craniofacial or mandibular areas.

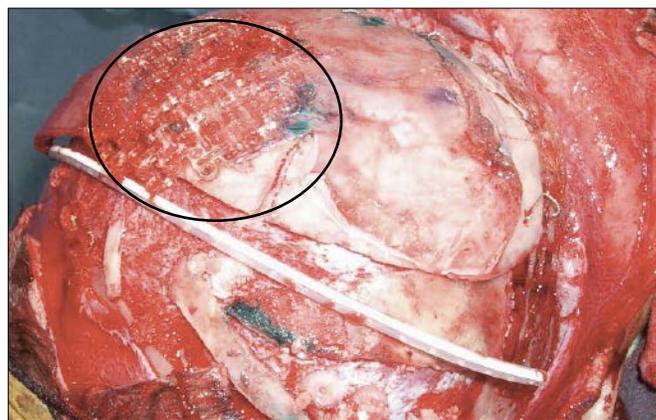
Contraindications

These devices are not intended for use in load-bearing applications, such as the mandible, unless used in conjunction with traditional rigid fixation. The RAPIDSORB Rapid Resorbable Fixation System is not intended for areas with active or latent infection, or for patient conditions including limited blood supply or insufficient quantity or quality of bone. These devices are not intended for use in the spine.

Intraoperative photos of metopic synostosis reconstruction using RAPIDSORB Rapid Resorbable Fixation System.



AP view—Frontal bar advanced and fixated with two 2 x 18 hole strut plates (circled).



Lateral view—Frontal bone fragments reconstructed using contourable mesh (circled).

RAPIDSORB® Rapid Resorbable Fixation System

RAPIDSORB Plates

The wide assortment of implants in the DePuy Synthes Companies RAPIDSORB Rapid Resorbable Fixation System incorporates a plate design with many features and benefits:

- Beveled edge for reduced palpability
- Optimized screw recess for low profile
- Straight-edged design for greater strength
- Groove identifies top surface
- Cross-slots between holes facilitate bending

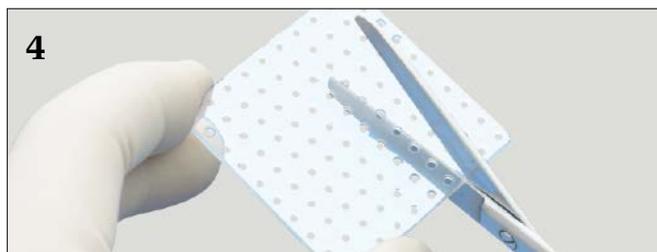
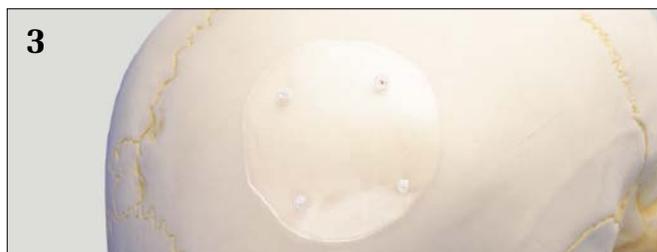
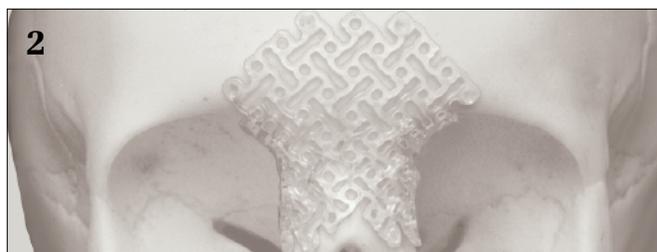
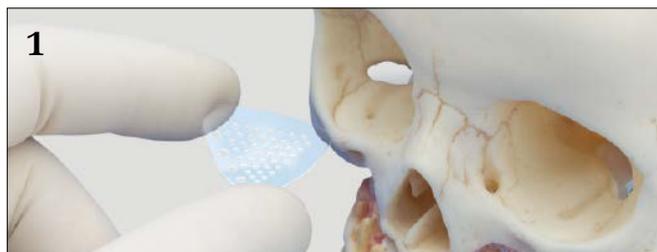
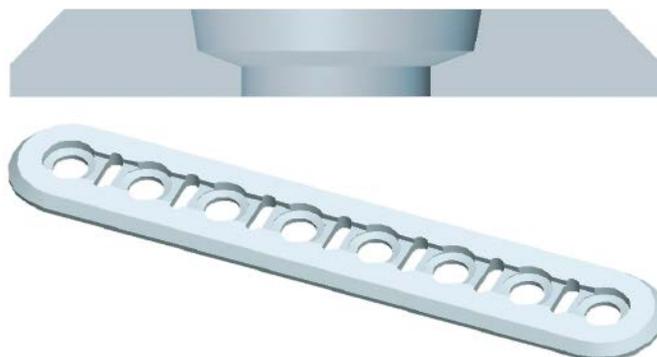
Specialized Plating Platforms

Preshaped orbital floor plate can be quickly and easily contoured (Figure 1).

Contourable mesh permits optimal anatomic conformity without cutting or kinking (Figure 2).

The solid sheet allows customization of hole size and location (Figure 3).

Straight row mesh can be cut into desired plate geometries (Figure 4).



RAPIDSORB Screws

Screws

- Available in 1.5 mm, 2.0 mm, and 2.5 mm diameters
- Cruciform recess allows easy pickup, insertion, and removal
- Emergency screws can be placed easily by tapping through the original screw
- 2.0 mm screws can be used with 1.5 mm plates as primary or emergency screws

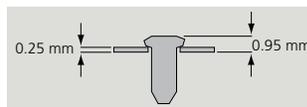


Plate/screw profiles

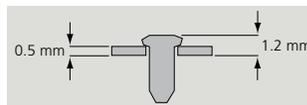
Low plate and screw profile minimizes soft-tissue irritation, palpability, and the amount of material to be resorbed.

- Implants are available in a range of sizes

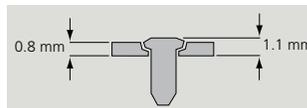
1.5 mm Plates



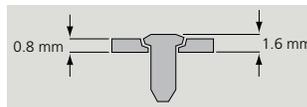
0.25 mm thick plate with 1.5 mm screw



0.5 mm thick plate with 1.5 mm screw

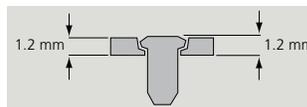


0.8 mm thick plate with 1.5 mm screw



0.8 mm thick plate with 2.0 mm screw

2.0 mm Plate



1.2 mm thick plate with 2.0 mm or 2.5 mm screw

RAPIDSORB Rapid Resorbable Fixation Instruments

A full line of instrumentation and trays meets the needs of both surgeons and operating room personnel.

Customizable instrument trays

- Two customizable resorbable fixation instrument trays allow storage of preferred instrument combinations
- Translucent lid for visualization of contents
- Optional bending template module snaps onto either lid for storage



Taps

- Available with self-drilling tips
- Choice of hex or mini quick coupling
- Available in adjustable or fixed stop lengths



Self-drilling tap



Hex coupling



Mini quick coupling



Adjustable stop length, self-drilling tap



Fixed stop length, self-drilling tap

Preparation

In preparation for contouring resorbable plates, meshes, and sheets, set up Water Bath in advance. There are two DePuy Synthes Companies Water Bath options. The Compact Water Bath System (05.725.010) is used with a Sterile Drape. The Water Bath System (530.509) has a Tray and Sterility Cover that must be sterilized before each use. An optional technique of a Sterile Drape is also available for the Water Bath System.

Compact Water Bath System Assembly

Compact Water Bath System

05.725.010	Compact Water Bath
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08-CC184	Sterile Drape
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Compact Water Bath System setup*

The Compact Water Bath System must be set up and turned on at least 15 minutes before anticipated use.

1. Insert power cord

Place the Compact Water Bath on a level, stable, nonsterile surface. Ensure the power switch is in the OFF position. Confirm that the power cord is firmly inserted into the Compact Water Bath.

Note: Ensure that there is a grounded electrical outlet within reach of the power cord from where the Compact Water Bath is placed.



*For additional information, please refer to Instructions For Use.

2. Fill to PREFILL line

Fill the pan basin with approximately 50 mL of room temperature sterile water or sterile saline to the PREFILL Line.



3. Insert sterile drape

While using sterile technique, unfold the Sterile Drape to locate the center. Hold the center of the drape over the Compact Water Bath and unfold completely. The entire Compact Water Bath should be covered by the Sterile Drape.

Caution: Be careful to maintain drape sterility on the upward-facing side of the drape. The Compact Water Bath and surface under the Compact Water Bath is not sterile.

Note: Instructions for inserting the Sterile Drape are also included in the Sterile Drape packaging.



4. Fill

Press the drape down into the basin with one hand while pouring approximately 450 mL of room-temperature sterile water or sterile saline so that the liquid level is between the MIN line and MAX line.

Note: To reduce heat-up time, ensure the Sterile Drape contacts the prefill liquid or walls of the Compact Water Bath basin.



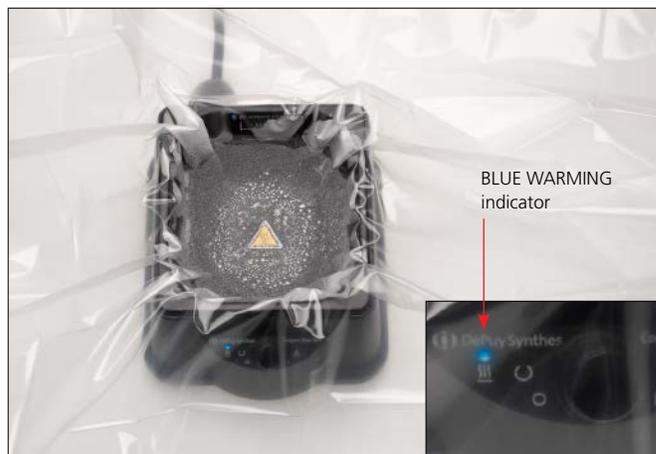
5. Heat liquid

Plug power cord into a grounded power outlet. Switch the Power Switch to the ON position. The blue WARMING indicator on the front of the Compact Water Bath will illuminate, signifying that the liquid is heating up.

After approximately 15 minutes, the green READY FOR USE indicator will illuminate, signifying that the liquid is heated to 149°F–167°F (65°C–75°C) and is ready for use.

The Compact Water Bath will maintain at temperature during operation. If the liquid level drops below the MIN fill line, additional sterile water or sterile saline must be added. Additional time may be required to heat the water back up to temperature, as indicated by the WARMING indicator.

Note: If the READY FOR USE indicator does not illuminate after 20 minutes, adjust drape to ensure contact with prefill liquid or walls of the Compact Water Bath basin.



Water Bath System Assembly

Water Bath System (530.509) includes:

530.510	Water Bath Heater
530.512	Water Bath Tray
530.514	Water Bath Sterility Cover



Water Bath System setup

The Water Bath Tray and Sterility Cover must be sterilized before each use.* The Water Bath System must be set up and turned on at least 20 minutes before anticipated use.

1. Plug in power cord

Instrument

530.510	Water Bath Heater
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Place the nonsterile Water Bath Heater on a stable, nonsterile surface. Connect the power cord to an appropriate power supply.

Caution: Do not pour water directly into open well.



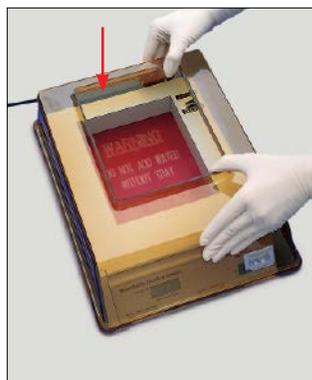
*For additional information, please refer to Instructions For Use.

2. Create sterile barrier

Instruments

530.512	Water Bath Tray
530.514	Water Bath Sterility Cover

Place the sterilized plastic Water Bath Sterility Cover over the Water Bath Heater. Place the sterilized Water Bath Tray into the Sterility Cover.



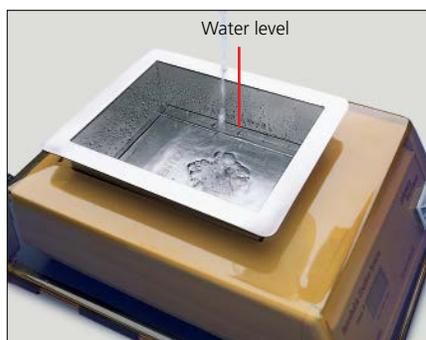
Optional technique

A disposable, heat-resistant, clear, sterile drape may be used. Place the Water Bath Tray into the well of the Water Bath Heater. Add 5 mL–10 mL of sterile water to the tray. Place the sterile drape over the entire assembly and press it down into the four corners of the Water Bath Tray, then fill the covered tray with sterile water or sterile saline solution. When disassembling the system, remove the Water Bath Tray and the sterile drape together.



3. Fill

Pour room-temperature sterile water or sterile saline solution into the Water Bath Tray up to the “water level line” (approximately 500 mL).



4. Heat water

Switch the Water Bath Heater on. In about 18 minutes, the “Ready” indicator will light, indicating that the water has reached the recommended 70° C and the unit is ready for use. The approximate temperature will be displayed.

Surgical Technique

1. Select and prepare plates

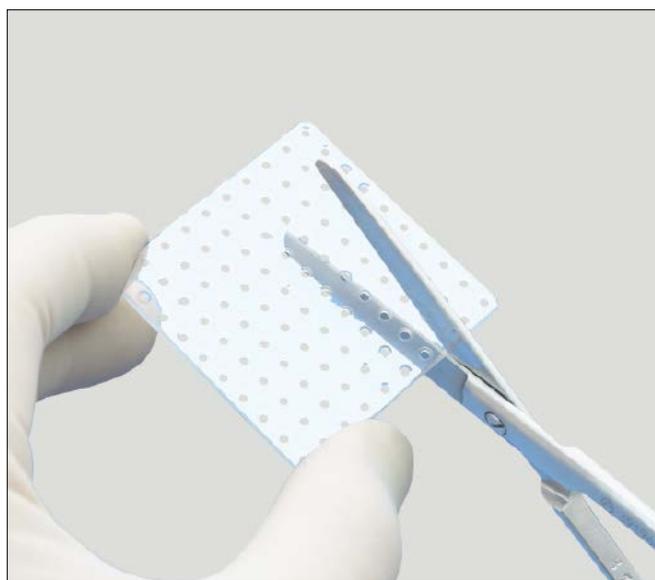
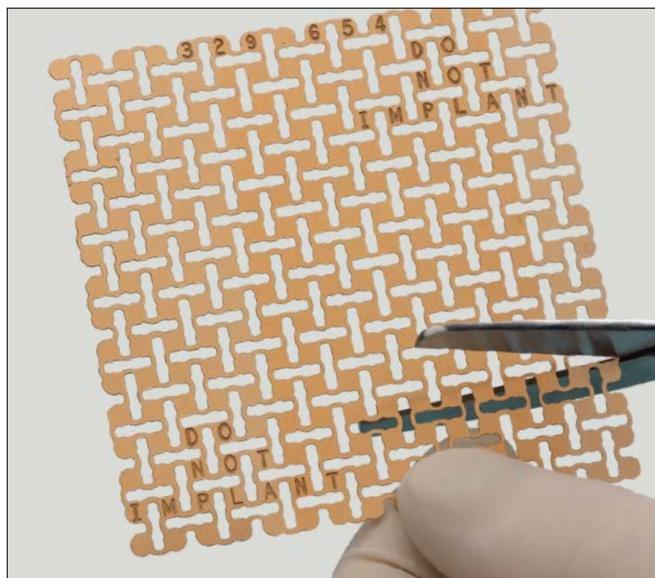
Instrument

391.964 Scissors

If desired, use the bending templates to determine the optimal plate shape and size. Templates may be cut to size.

If necessary, cut the selected plate to the desired length or shape using the scissors.

Before cutting a mesh plate, heat it in 70° C sterile water or sterile saline. Open the scissors wide and place the mesh at the very back of the scissor blades. This provides the most leverage and control for a clean cut.



2. Heat and contour

Instrument

05.725.010	Compact Water Bath
and	
08-CC184	Sterile Drape
or	
530.509	Water Bath System

Place the resorbable plate, mesh, or sheet in the Water Bath System until the implant becomes malleable, approximately 15 seconds.

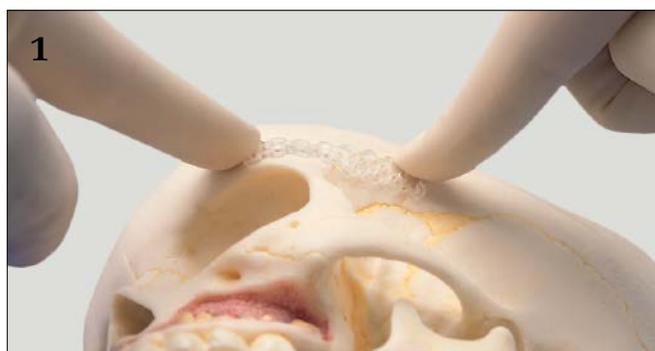
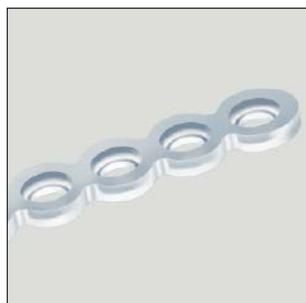
Using forceps, remove the implant from the Water Bath.

Note: Be sure that the hole taper is facing the proper direction before contouring the plate or mesh.

Contour by laying the implant onto the bone (Figure 1) or using a precontoured bending template as a guide (Figure 2).

Depending upon operating room temperature, the heated implant will have approximately 7 seconds of working time before becoming rigid. Reduced finger contact with the implant will extend working time.

Note: Plates, meshes, and sheets may be heated and contoured up to ten times.



3. Tap hole for resorbable screw

Select the appropriate tap using the chart below. Taps are intended for single-procedure use only.

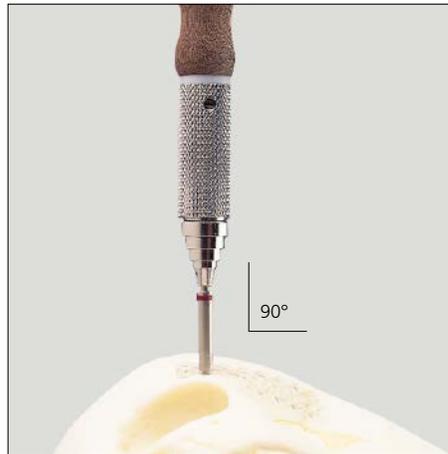
Insert the tap into the preferred handle.

Technique tips

- When using a non-self-drilling tap, or in areas of dense cortical bone, or in cases of extreme comminution, predrill the hole with the appropriate length and diameter drill bit with stop.
- In extremely thin (less than 3 mm) or soft bone, such as in pediatric patients 4–6 months old, it may be possible to drill and not tap; use the 1.1 mm drill bit for 1.5 mm screws, 1.5 mm drill bit for 2.0 mm screws.
- When in the cranium, place a narrow brain ribbon retractor between the inner cortical surface and the dura to prevent potential contact between the tap and the dura.

While maintaining the tap perpendicular to the plate surface, tap through the plate hole into the bone, until the tap shoulder contacts the plate surface. The tap MUST be fully inserted to the stop for proper screw insertion.

Clean tap threads and flutes of debris before tapping the next hole.



Self-drilling taps (sterile)

For use with 1.5 mm Resorbable Plates

Screw diameter/ Color code	Tap		Tap depth below plate		Screw depth below plate		
	Mini quick coupling	Hex coupling	Diagram 1	Diagram 2	Diagram 1	Diagram 2	
1.5 mm	Screw length				Plate thickness		
	3 mm	311.033.01S	311.062.01S	0.5 mm	0.8 mm	0.5 mm	0.8 mm
	4 mm	311.031.01S	311.060.01S	3.8 mm	3.5 mm	1.8 mm	1.6 mm
	5 mm	311.035.01S	311.093.01S	4.8 mm	4.5 mm	2.8 mm	2.6 mm
	6 mm	311.032.01S	311.061.01S	5.8 mm	5.5 mm	3.8 mm	3.6 mm
	8 mm	311.037.01S	311.094.01S	6.8 mm	6.5 mm	4.8 mm	4.6 mm
	Adjustable	311.100.01S	311.110.01S	8.8 mm	8.5 mm	6.8 mm	6.6 mm
				3.8 mm–8.8 mm	3.5 mm–8.5 mm	1.8 mm–6.8 mm	1.6 mm–6.6 mm

Screw diameter/ Color code	Tap		Tap depth below plate		Screw depth below plate		
	Mini quick coupling	Hex coupling	Diagram 1	Diagram 2	Diagram 1	Diagram 2	
2.0 mm	Screw length				Plate thickness		
	4 mm	311.054.01S	311.067.01S	0.5 mm	0.8 mm	0.5 mm	0.8 mm
	6 mm	311.056.01S	311.068.01S	4.8 mm	4.5 mm	2.6 mm	2.4 mm
	8 mm	311.058.01S	311.069.01S	6.8 mm	6.5 mm	4.6 mm	4.4 mm
			8.8 mm	8.5 mm	6.6 mm	6.4 mm	

For use with 2.0 mm Resorbable Plates

Screw diameter/ Color code	Tap		Tap depth below plate		Screw depth below plate	
	Mini quick coupling	Hex coupling	Diagram 1	Diagram 2	Diagram 1	Diagram 2
2.0 mm	Screw length				Plate thickness	
	4 mm	311.034.01S	311.063.01S	1.2 mm	1.2 mm	1.2 mm
	6 mm	311.036.01S	311.064.01S	4.9 mm	4.7 mm	2.7 mm
	8 mm	311.038.01S	311.065.01S	6.9 mm	6.7 mm	4.7 mm
	Adjustable	311.101.01S	311.111.01S	8.9 mm	8.7 mm	6.7 mm
			4.9 mm–8.9 mm	4.7 mm–8.7 mm	2.7 mm–6.7 mm	2.7 mm–6.7 mm

Screw diameter/ Color code	Tap		Tap depth below plate		Screw depth below plate	
	Mini quick coupling	Hex coupling	Diagram 1	Diagram 2	Diagram 1	Diagram 2
2.5 mm (Emergency)	Screw length				Plate thickness	
	4 mm	311.044.01S	311.071.01S	1.2 mm	1.2 mm	1.2 mm
	6 mm	311.046.01S	311.072.01S	5.4 mm	5.2 mm	2.7 mm
	8 mm	311.048.01S	311.073.01S	7.4 mm	7.2 mm	4.7 mm
	Adjustable	311.102.01S	311.112.01S	9.4 mm	9.2 mm	6.7 mm
			5.4 mm–9.4 mm	5.2 mm–9.2 mm	2.7 mm–6.7 mm	2.7 mm–6.7 mm

4. Insert screw

311.006	Screwdriver Handle, with hex coupling, medium
314.436	1.5 mm Cruciform Screwdriver Blade, with Self-retaining Center Pin, hex coupling
314.696	2.0 mm Cruciform Screwdriver Blade, with Self-retaining Center Pin, hex coupling

Choose the appropriate length and diameter screw.
Place the screw holder on a stable surface.

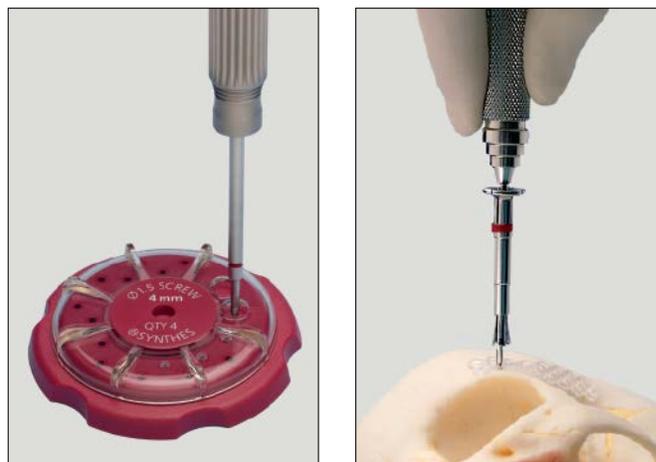
Attach the appropriate self-retaining 1.5 mm or 2.0 mm cruciform screwdriver blade to the handle. Orient the blade directly above the screw head so that screw and screwdriver interaction is clearly visible. Insert the screwdriver tip into the cruciform drive of the screw head. Do not insert at an angle.

Technique tips

- For screwdriver blades with retaining sleeves, fully retract the holding sleeve to spread the prongs before inserting the blade into the screw head. Once the blade is seated, slide the holding sleeve down completely over the screw head to securely grasp the screw.
- Self-retaining blades use a friction fit. To ensure that the blade is seated properly, spin the screw with the blade before removing the screw from the screw holder.

Insert the screw into the plate hole. Use a light, two-finger approach (thumb and index finger) to insert the screw. Do not overtighten. Be sure to retract the holding sleeve before fully seating the screw. Stop immediately when the screw has made full contact with the plate.

Insert additional screws until accurate reduction and stable fixation are achieved. It is recommended to insert at least two screws on each side of the defect or fracture.



Emergency screw placement

If the bone strips out or the screw breaks during screw insertion, either remove the screw or tap through the screw with the next-larger-diameter tap. For example, if the bone strips out with a 1.5 mm x 4 mm screw, use a 2.0 mm x 4 mm self-drilling tap and then a 2.0 mm x 4 mm screw.

Important:

- **If too much force is used to insert the blade into the screw head, the cruciform slots could be damaged, resulting in poor screw pickup and insertion.**
- **Overinsertion of the screw beyond its initial contact with the plate may result in breakage or deformation of the screw head.**

Technique tips

- If screw insertion is difficult, it is most likely due to an insufficiently tapped hole. Back out the screw and retap the hole, being sure to fully insert the tap, ie, the tap shoulder stops against the plate surface. If the original screw threads are damaged, insert a new screw.
- If the screw head breaks off prior to seating the screw, the most likely cause is the tap not being fully inserted. Proceed with emergency screw placement.

Compact Water Bath System Disassembly

Compact Water Bath System

05.725.010 Compact Water Bath

08-CC184 Sterile Drape

1

Cool unit

Switch the Power Switch to the OFF position and disconnect the unit from the electrical outlet. Allow the unit to cool for approximately 25 minutes to room temperature.

2. Dispose of liquid and drape

Empty liquid out of Compact Water Bath and dispose of drape.

Important:

- **Do not use the drape as a container to transport the liquid.**
- **Disposal of contaminated material/fluids should be in accordance with all applicable regulations.**

3. Wipe down

Due to the use of the disposable Sterile Drape, the Compact Water Bath does not have patient contact and does not contact bodily fluids during normal use. The Compact Water Bath can be wiped with a damp cloth and a solution of water with soap.

Important:

- **Do not sterilize, immerse, or place the Compact Water Bath under running water.**
- **Solvents and aggressive chemicals should not be used to wipe down the unit.**



Water Bath System Disassembly

Water Bath System

530.510	Water Bath Heater
530.512	Water Bath Tray
530.514	Water Bath Sterility Cover

1. Cool unit

Turn the unit to “Standby” and allow it to cool for about 5 minutes.

2. Drain water

Remove the Water Bath Tray and pour out the water or saline. Remove the Sterility Cover.

Important: Disposal of contaminated material/ fluids should be in accordance with all applicable regulations.

3. Clean

The Water Bath Heater can be wiped with a damp cloth and a solution of water with soap. After cleaning, the tray and cover can be wrapped, sterilized, and stored as a unit.

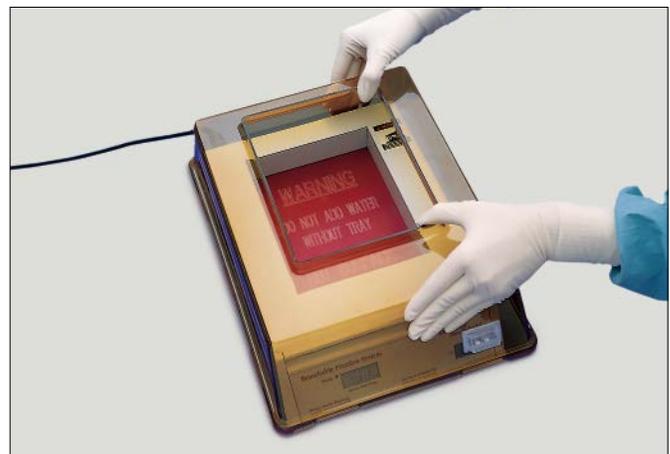
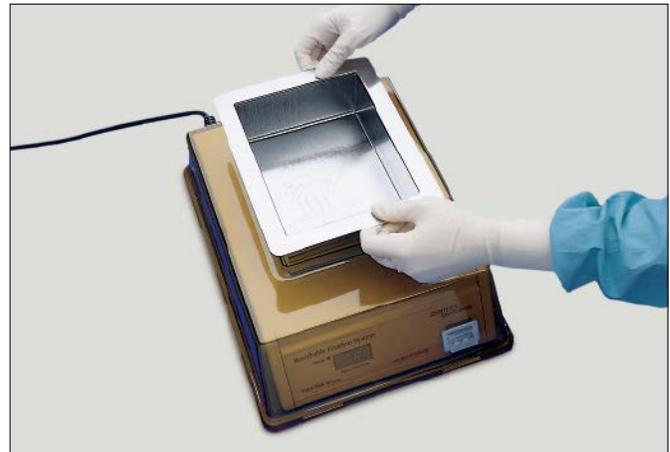
Important:

- **Do not sterilize, immerse, or place the Water Bath Heater under running water.**
- **Solvents and aggressive chemicals should not be used to wipe down the unit.**

4. Sterilize

Sterilize the Water Bath Tray and Sterility Cover.*

Caution: Do not sterilize the Water Bath Heater.



*For additional information, please refer to Instructions For Use.

Alternate Techniques

Adjustable Stop Length Taps

Instructions for adjustable stop length taps

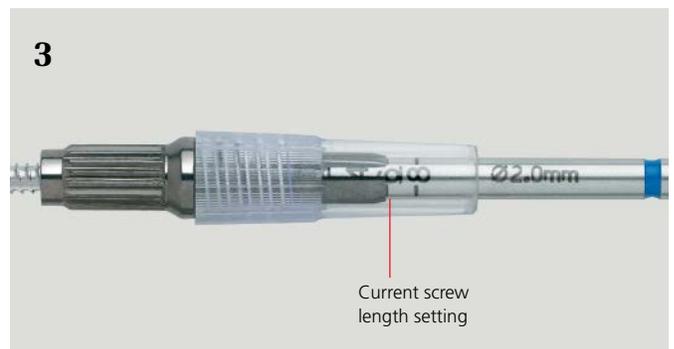
To adjust a tap to the desired screw length, hold the black stop collar in place, and turn the clear locking collar to loosen (Figure 1).

Slide the black stop collar along the tap shaft until the length indicator aligns with the desired screw length setting on the tap body. The collar features a ratcheting mechanism that provides tactile and audible feedback that the collar has clicked into the proper location (Figure 2).

Note: The length indicator of the black stop collar should align with the etched marks on either side of the desired length setting. Even and odd lengths are on opposite sides of the tap (Figure 3).

Once the black stop collar has been adjusted to the desired screw length, hold it firmly in place and turn the clear locking collar until it is securely seated against the black stop collar (Figure 4).

Insert the tap into the appropriate handle (hex or mini quick coupling).



Warnings and Precautions

DePuy Synthes Companies RAPIDSORB Rapid Resorbable plates, meshes, sheets, and screws are not intended for use in the mandible or other load-bearing applications unless used in conjunction with traditional rigid fixation. These devices cannot be expected to replace normal healthy bone or withstand stress placed upon them in full load-bearing applications. The devices can break or bend as a result of stress, activity, or full load bearing, which could cause failure of the device or treatment.

The surgeon should be thoroughly familiar with the devices, the method of application, the instruments, and the surgical procedure. The surgeon must select a type or types of internal fixation appropriate for the treatment.

1. Improper selection, placement, positioning, and fixation of the devices can cause subsequent undesirable results.
2. Resorbable devices provide fixation and are NOT intended to replace normal healthy bone or withstand stress of full load bearing.
3. The screws are NOT to be heated by any means for contouring.
4. Plates and meshes can break or be damaged due to excessive activity or trauma. This could lead to failure of the implant construct, which could require additional surgery and device removal.
5. Discard and DO NOT USE previously opened or damaged devices. Use only devices that are packaged in unopened and undamaged packages.
6. DO NOT USE if there is loss of sterility of the device.
7. **Store in a dry condition between 41° F and 77° F (5° C and 25° C). The device packages have a temperature indicator. Devices must not be used if the temperature indicator on the packaging is black.**

Instruments

311.01.98 Handle, with mini quick coupling



311.03 Handle, with mini quick coupling, small



311.005 Screwdriver Handle with hex coupling, small



311.006 Screwdriver Handle with hex coupling, medium



311.007 Screwdriver Handle with hex coupling, large



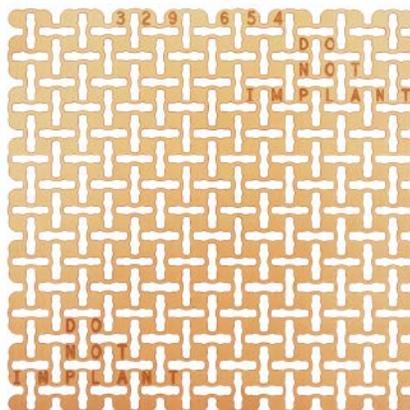
<p>311.031.01S– 311.058.01S 311.060.01S– 311.073.01S</p>	<p>Self-Drilling Taps, sterile (see chart on page 17) Mini quick coupling</p>	 311.065.01S
<p>311.060.01S– 311.073.01S</p>	<p>Hex coupling</p>	 Self-drilling tap
<p>311.100.01S– 311.102.01S 311.110.01S– 311.112.01S</p>	<p>Self-Drilling Taps, adjustable stop length, sterile Mini quick coupling Hex coupling</p>	 311.101.01S
<p>314.412 314.425 314.431 314.432 314.433 314.434 314.436</p>	<p>1.5 mm Cruciform Screwdriver Blades with Holding Sleeve, mini quick coupling with Spring Holding Sleeve, hex coupling with Spring Holding Sleeve, mini quick coupling with Spring Holding Sleeve, mini quick coupling, long Self-retaining, hex coupling Self-retaining, mini quick coupling 1.5 mm with Self-retaining center pin, hex coupling</p>	 314.412  314.425  314.436
<p>314.671 314.677 314.686 314.687 314.693 314.694 314.696</p>	<p>2.0 mm Cruciform Screwdriver Blades with Holding Sleeve, mini quick coupling with Spring Holding Sleeve, hex coupling with Spring Holding Sleeve, mini quick coupling with Spring Holding Sleeve, mini quick coupling, long Self-retaining, hex coupling Self-retaining, mini quick coupling 2.0 mm with Self-retaining center pin, hex coupling</p>	 314.696
<p>317.14 317.16 317.64 317.66 317.68</p>	<p>Drill Bits, Stryker J-latch coupling, 44.5 mm 1.1 mm dia., 4 mm stop 1.1 mm dia., 6 mm stop 1.5 mm dia., 4 mm stop 1.5 mm dia., 6 mm stop 1.5 mm dia., 8 mm stop</p>	 317.66

- Bending Templates for 1.5 mm Resorbable Plates
- 329.408 For Adaption Plate, 8 holes
 - 329.411 For Orbital Rim Plate
 - 329.412 For Adaption Plate, 20 holes
 - 329.421 For Strut Plate, 2 x 10 holes
 - 329.422 For Strut Plate, 2 x 18 holes
 - 329.433 For Oblique L-Plate
 - 329.443 For Y-Plate
 - 329.444 For Double Y-Plate
 - 329.632 For Orbital Floor Plate, 24 mm
 - 329.633 For Orbital Floor Plate, 30 mm
 - 329.634 For Orbital Floor Plate, 35 mm
 - 329.650 For Strut Plate, 2 x 36 holes
 - 329.651 For T-Plate
 - 329.652 For Box Plate
 - 329.659 For X-Plate



- Bending Templates for 2.0 mm Resorbable Plates
- 329.458 For Adaption Plate, 8 holes
 - 329.459 For Adaption Plate, 20 holes
 - 329.461 For Orbital Rim Plate
 - 329.471 For Strut Plate, 2 x 10 holes
 - 329.483 For Oblique L-Plate
 - 329.493 For Y-Plate

- Bending Templates for 1.5 mm/2.0 mm Resorbable Mesh Plates and Sheets
- 329.481 50 mm x 50 mm
 - 329.654 75 mm x 75 mm
 - 329.655 100 mm x 100 mm
 - 329.656 150 mm x 150 mm
 - 329.657 50 mm diameter
 - 329.658 100 mm diameter



Instruments

347.98 Plate Holding Forceps for 1.5 mm,
2.0 mm, and 2.4 mm plates



391.964 Scissors for Resorbable Mesh Plates



391.98 Plate Cutter for 1.0 mm, 1.3 mm,
1.5 mm, and 2.0 mm plates



Plate Contouring Systems

Compact Water Bath System

05.725.010 Compact Water Bath

08-CC184 Sterile Drape



Water Bath System

530.509 Water Bath System
includes:

530.510 Water Bath Heater

530.512 Water Bath Tray

530.514 Water Bath Sterility Cover



Resorbable Fixation Instrument Cases and Trays

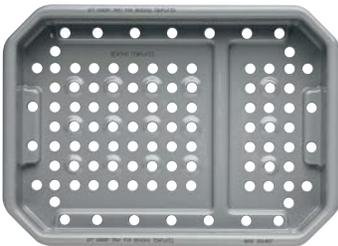
Customizable Instrument Trays

Select either a small or large tray, lid, and basic instrument insert.

- 305.806 Small Instrument Tray Lid, for Resorbable Fixation System
- 305.807 Small Instrument Tray Base, for Resorbable Fixation System
- 305.809 Large Instrument Tray Lid, for Resorbable Fixation System
- 305.810 Large Instrument Tray Base, for Resorbable Fixation System
- 305.811 Instrument Insert, for Resorbable Instrument Trays (includes label sheets 305.816 and 305.817)



305.806, 305.807, and 305.815



305.807



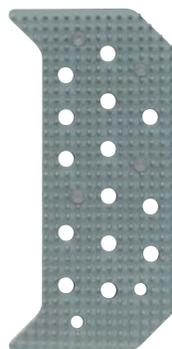
305.811



305.810 (shown with 305.811)

Instrument Tray Options

- 305.814 Finger Mat Insert for Resorbable Instrument Trays
- 305.815 Bending Template Module for Resorbable Fixation System (compatible with 305.807 and 305.806 or 305.810 and 305.809)
- 305.816 Label Sheet for Resorbable Instrument Trays
- 305.817 Drill Bit Label Sheet for Resorbable Instrument Trays



305.814



305.815

Note: For additional information, please refer to the package insert or www.e-ifu.com.

For detailed cleaning and sterilization instructions, please refer to www.depuysynthes.com/hcp/cleaning-sterilization or sterilization instructions, if provided in the instructions for use.

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Please also refer to the package insert(s) or other labeling associated with the devices identified in this surgical technique for additional information.

CAUTION: Federal Law restricts these devices to sale by or on the order of a physician.

Some devices listed in this technique guide may not have been licensed in accordance with Canadian law and may not be for sale in Canada. Please contact your sales consultant for items approved for sale in Canada.

Not all products may currently be available in all markets.



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Note: For recognized manufacturer, refer to the product label.

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