Mecta-C® STAND ALONE

ANTERIOR CERVICAL INTERBODY FUSION DEVICE

MODULAR DESIGN OFFERS FREEDOM OF CHOICE



Surgical Technique

Joint | **Spine** | Sports Med

Medacta International

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1. INTRODUCTION

The Mecta-C Stand Alone system is a modular solution for Anterior Cervical Discectomy and Fusion (ACDF) that combines the benefits of an anterior plate and a radiolucent interbody spacer.

The system is completely modular. It offers a cage with 3 different footprints and 8 heights. Lordosis is fixed to 7°. The surgeon can connect the selected cage with any of the 4 profile plates in order to accommodate specific anatomical requirements.

Locking and lag screws are offered to further complete the system. For each design both self-tapping and self-drilling screws are available. Locking screws are compatible with rigid fixation plate (purple) while lag screws are compatible with variable fixation plate (blue). Further fixation is required in the variable fixation construct with the antibackout screw (1B).



A - Rigid Fixation Design

B - Variable Fixation Design

1.

The cages are offered in PEEK plasma coated with a micrometric layer of Titanium (TiPEEK). The implants are fully coated except for the surfaces in contact with the plate or the inserter. Titanium marker pins allow for clear radiographic visualization.

Cages



2.

Flush

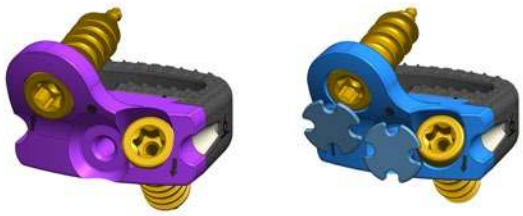
The Flush design: creates a zero-profile construct with minimum geometrical profile.



3.

Hybrid

The Hybrid design for C7-T1 or for C2-C3 (flipped 180°), reduces the risk of impingement with the surrounding anatomical structures.



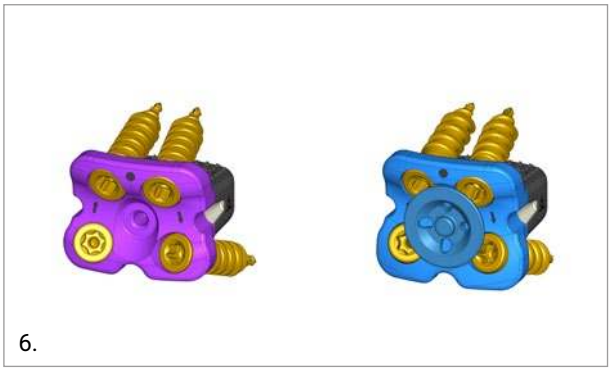
4.

Trio
The Trio design minimizes the number of screw.



5.

Quattro
The Quattro design offers stability and torsional resistance. Two convergent (cranial side in the picture) and two divergent screws minimize the adjecent level interference in multilevel fixation. The side of the plate where the screws are divergent can be easily identified thanks to the presence of a notch.

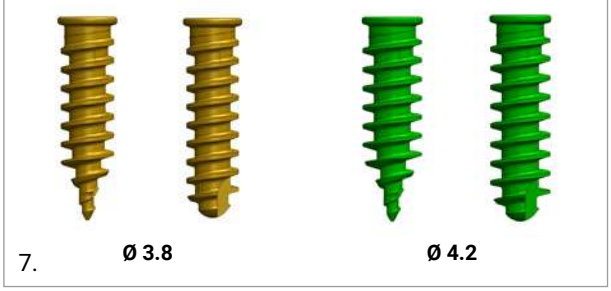


6.

Screws
The self-drilling screws are offered in 5 lengths (12mm - 20mm, + 2mm increments) while the self-tapping in 6 (12mm - 22mm, + 2mm increments). The diameters are 3.8mm for primary and 4.2mm for revision.

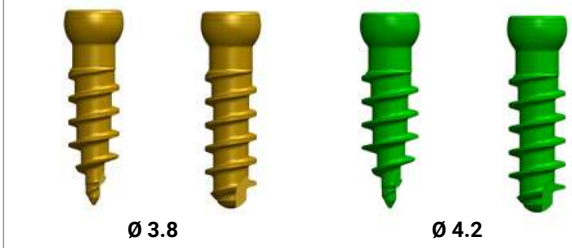
Self-drilling and self-tapping options are available both for rigid and variable screw design.

Rigid fixation



7.

Variable Fixation



8.

Antibackout screw (Variable Fixation Only)
The antibackout screw to fix the variable fixation construct is packed together with the Variable fixation plate. The antibackout screw is available in two design options for selection based on the plate shape and height. Refer to chapter 9 (Implants nomenclature).



9.

1.1 INDICATIONS

The Medacta Mecta-C Stand Alone System is a standalone anterior cervical interbody fusion system indicated for use in skeletally mature patients with cervical disc degeneration and/or cervical spinal instability, as confirmed by imaging studies (radiographs, CT, MRI), that results in radiculopathy, myelopathy, and/or pain at multiple contiguous levels from C2-T1. The System is intended to be used with autogenous and/or allogeneic bone graft comprised of cancellous, cortical, and/or cortico-cancellous bone graft to facilitate fusion.

1.2 CONTRAINDICATIONS

The Mecta-C Stand Alone system is contraindicated in the following cases:

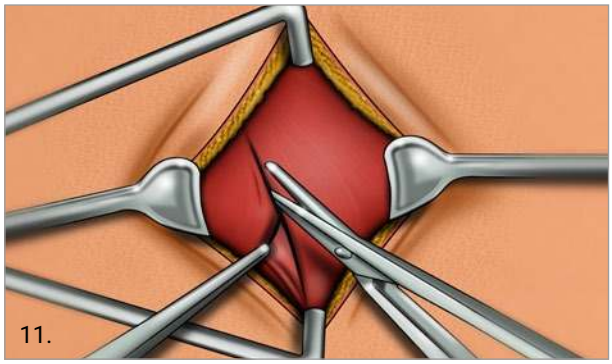
- Spinal fracture
- Spinal tumor
- Severe osteoporosis
- Spinal infection

2. PATIENT POSITIONING SPINE EXPOSURE

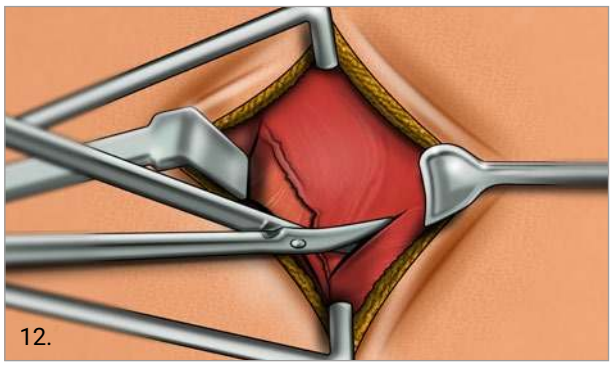
The patient is placed in the supine position with the head slightly extended and resting on an appropriate base. A shoulder bump may be needed to generate the desired amount of cervical lordosis. The arms are secured along the sides of the body. The image intensifier is positioned to enable adequate intra-operative anteroposterior and lateral imaging.


10.

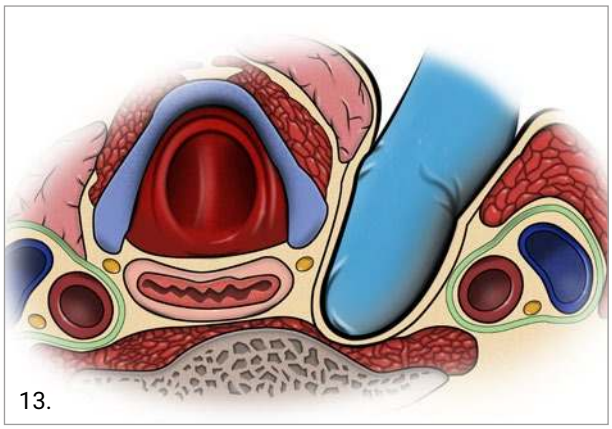
A transverse incision is made along the Langer's lines extending approximately from the sternocleidomastoid muscle to the midline. Correct location of the skin incision is accomplished either by using anatomic landmarks or by using an image intensifier.


11.

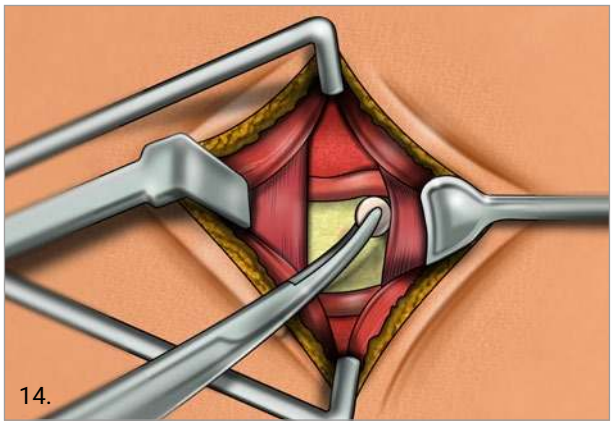
The platysmal layer is then incised either horizontally, in line with the incision (shown), or vertically at the discretion of the surgeon.


12.

Incise the pretracheal fascia which allows for retraction of the midline structures. Perform blunt dissection using the index finger to expose the anterior cervical spine.


13.

Electrocautery is used to elevate the longus colli muscles. Medio-lateral retractors are placed underneath the longus muscles in order to protect the sympathetic chain. Mark the appropriate disc and perform a lateral X-ray to verify the appropriate level.


14.

Then a Cranial/Caudal retractor can be placed to further optimize the visualization. The Mecta-C cervical Anterior Retractor/Distractor System can be used to facilitate retraction/distraction maneuvers.

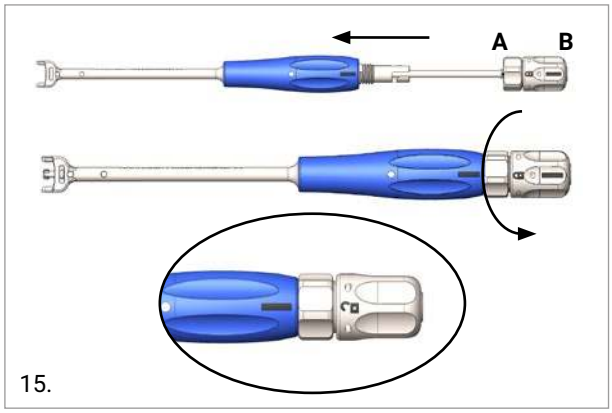
3. DISC REMOVAL AND ENDPLATE PREPARATION

For effective visualization and removal of the disc, Caspar Pin distraction, or an equivalent distractor system, is recommended. This step also allows for restoration of segmental lordosis, if desired. Before distraction of the segment, the intervertebral disc should be incised and partially removed with curettes and pituitary rongeurs. Following distraction, complete removal of intervertebral disc material and cartilaginous endplates is then performed to expose the underlying bony endplate.

3.1 TRIAL SELECTION

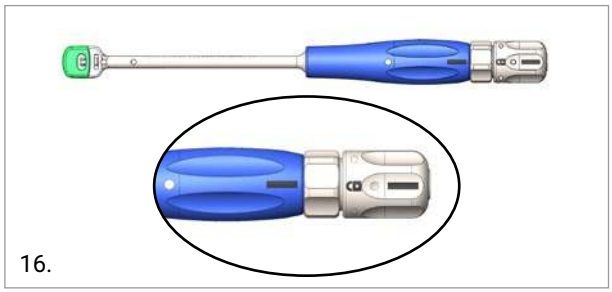
Select the Trial that is most suitable for the disc space. Check the appropriate footprint and height.

Couple the Mecta-C Stand Alone Trial Holder Outer Shaft with the related Inner Shaft. Make sure that the black mark on the blue handle and the black line on the knob are aligned. Screw the anterior wheel (A) on the back and rotate the posterior wheel 90° (B) in the open position (lock open).



15.

Attach the trial to the inserter by turning the posterior wheel 90°. The trial is correctly engaged when the black mark on the blue handle is aligned with the lock (closed) on the posterior wheel.


16.

OPTION

Connect the mechanical stop to the trial inserter before mounting the related inner shaft in order to prevent the trial advancement into the intervertebral disc. Orient the black arrow as showed in the picture and couple the mechanical stop on the shaft of the trial inserter.

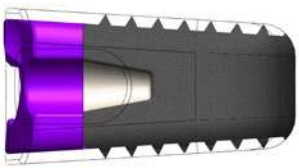

17.

Repeat the previous step to couple the trial.


18.

NOTE

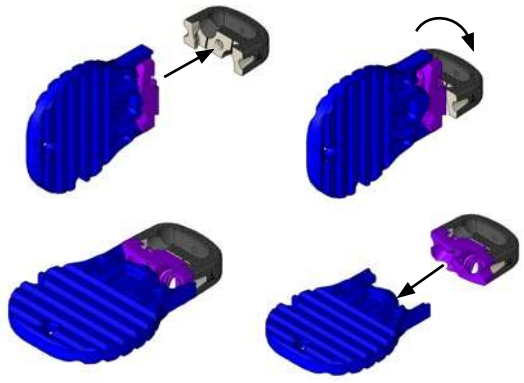
The height of the trial includes the pyramid shaped teeth of the implant on the cranio and caudal surfaces.


19.

4. IMPLANT ASSEMBLY

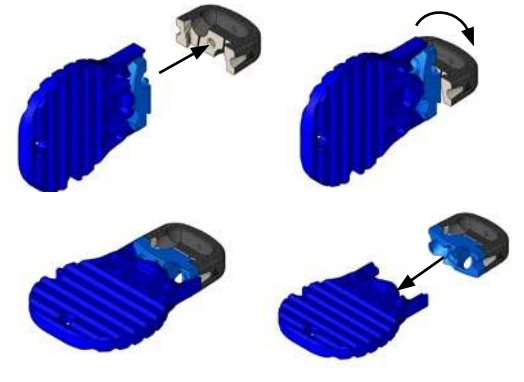
Select the appropriate size of the implant according to the outcome of the trials. Insert the pin of the plate into the center hole of the cage. Rotate clockwise until the plate snaps on the cage (Fig. 20). A single use plate assembler attached to the plate is provided together with the plate. Once the plate has been locked with the cage pull the plate assembler to disengage it.

Rigid Fixation Design



20.

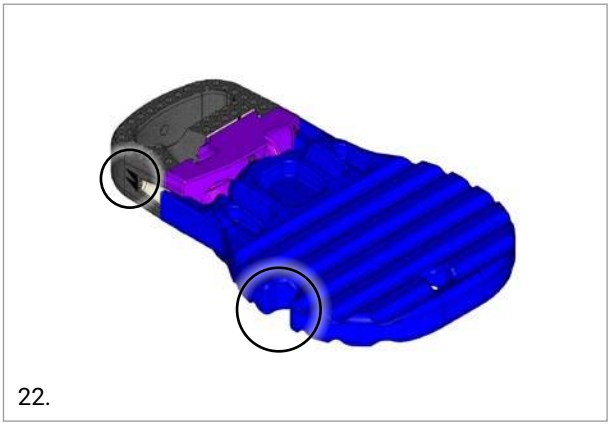
Variable Fixation Design



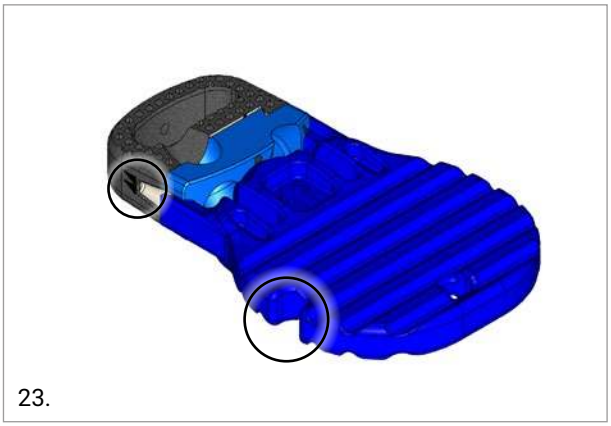
21.

Repeat the same steps also for Hybrid, Trio or Quattro design.

Align the groove on the plate with the side of the cage marked with the Medacta logo.

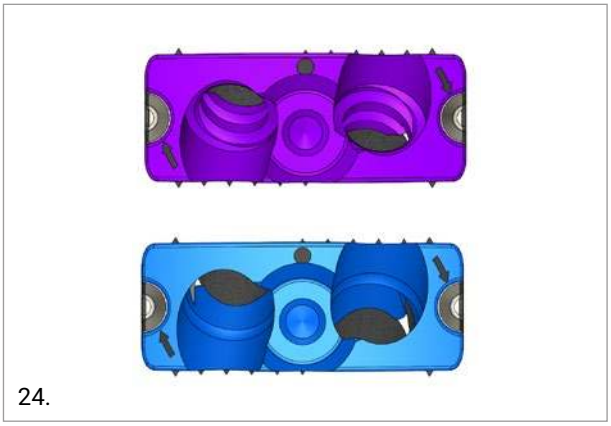


22.



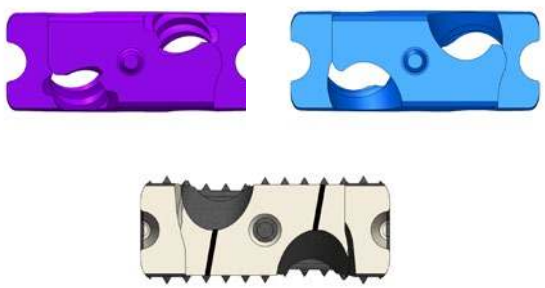
23.

Black arrows are marked over the plates to indicate the direction of the rotation.



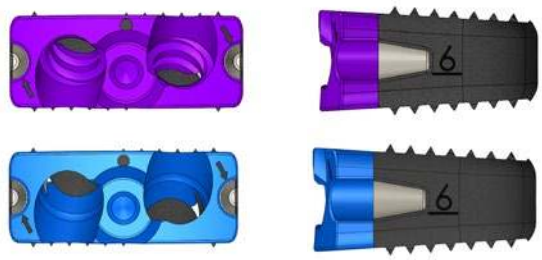
24.

The asymmetric profile ensures a unique cage plate assembly.



25.

The system is fully locked when the surfaces of the plate and the cage are aligned.



26.

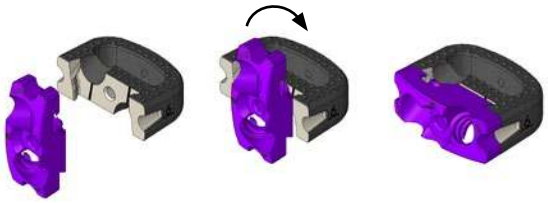
WARNING

Select only plates and cages of corresponding heights. Do not assemble cage-plate combinations with different heights as this may lead to implant failure.

The above mentioned steps also apply if the Trio, Quattro, or Hybrid plates are used.

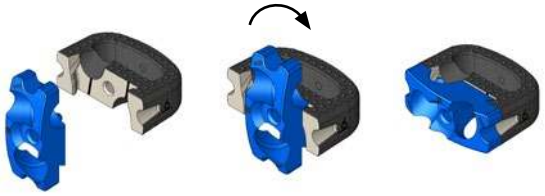
Flush Plate assembly

Rigid Fixation Plate



27.

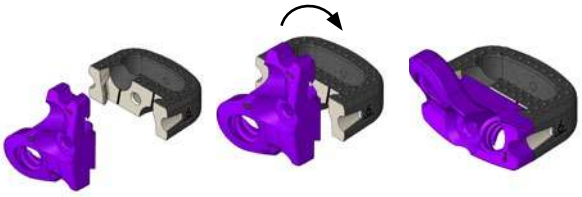
Variable Fixation Plate



28.

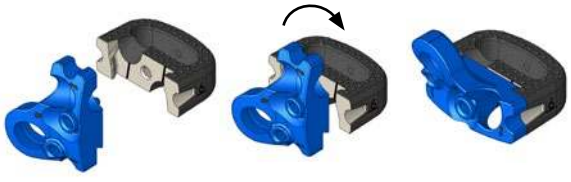
Hybrid Lock Plate assembly

Rigid Fixation Plate



29.

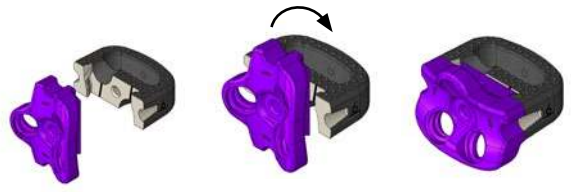
Variable Fixation Plate



30.

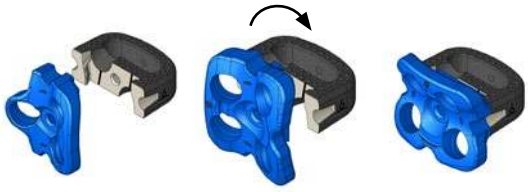
Trio Plate assembly

Rigid Fixation Plate



31.

Variable Fixation Plate



32.

Quattro Plate assembly

Rigid Fixation Plate



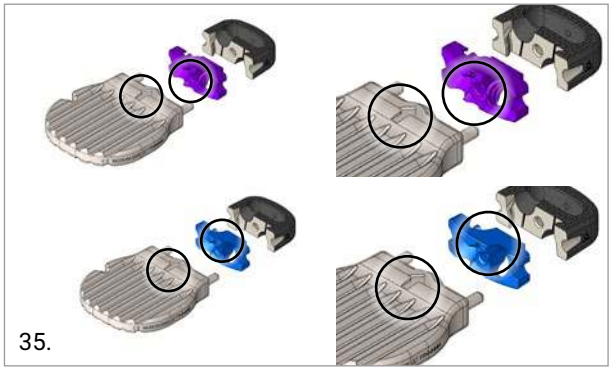
33.

Variable Fixation Plate



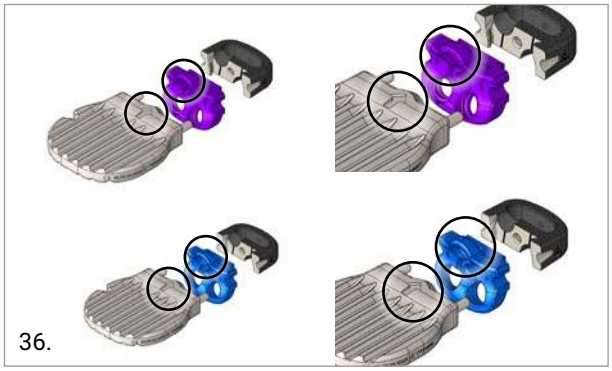
34.

A Plate Inserter/ Remover is also included in the instrument set. Connect the Plate Inserter/Remover to the plate aligning the arrow with the black dot on the Plate.



35.

If the Trio plate is used align the arrow with the superior cranial single hole.



36.

5. IMPLANT PREPARATION

Autogenous bone graft must be packed in the implant. Firmly pack the graft material in the window of the cage. To help packing the cage with bone graft, a dedicated Loading Station may be used to place the cage - plate construct.



37.

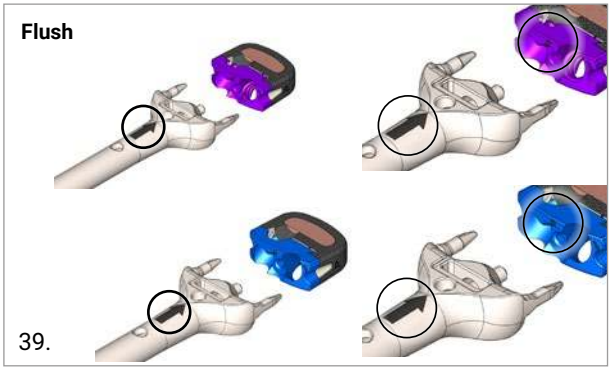
The loading station can also be used to hold the screws while engaging them with the screwdrivers. A groove for screw measurement is also part of the loading station.

Couple the Mecta-C Stand Alone Inserter Outer Shaft with the related Inner Shaft.

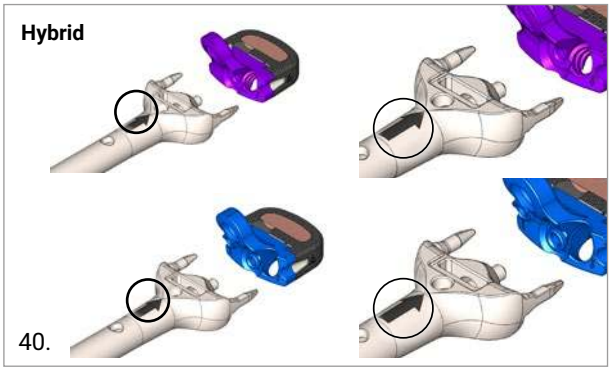


38.

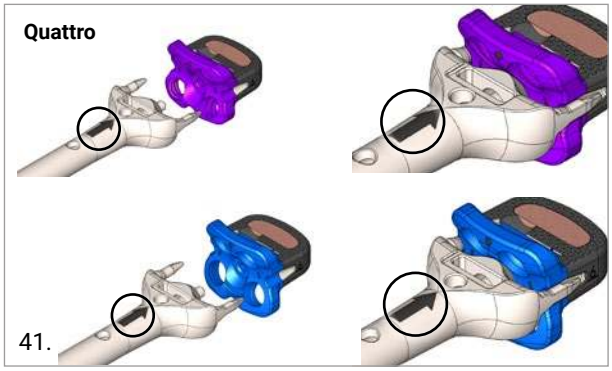
Align the black arrow with the black dot of the plate.



39.

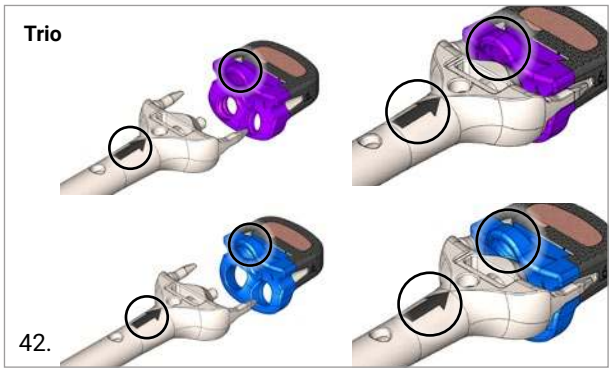


40.



41.

In the Trio configuration the black dot is not marked, the black arrow should point cranially in the direction of the single plate hole



42.

Engage the Inserter by matching the prongs with the lateral grooves of the implant and lock tightly by turning the posterior wheel.



43.

OPTION

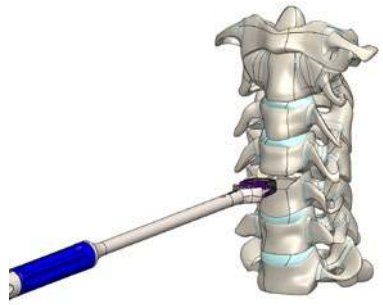
If case of flush plate profile insertion the mechanical stop can be coupled with the inserter in order to fix the implant position in the A-P direction.



44.

6. IMPLANT INSERTION

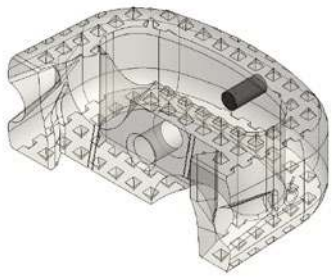
Place the implant into the disc space.



45.

Check the position of the implant with the image intensifier.

The titanium marker is flush with the posterior surface of the implant.

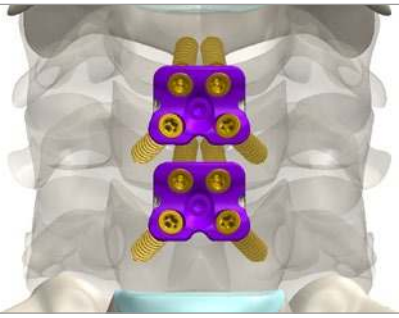


46.

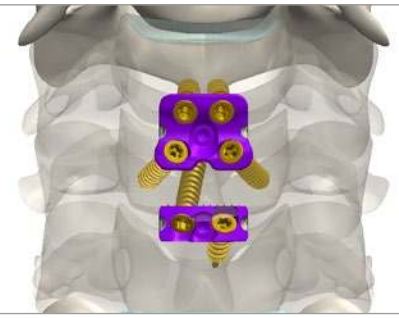
Disengage the implant from the inserter by turning the posterior wheel.

WARNING

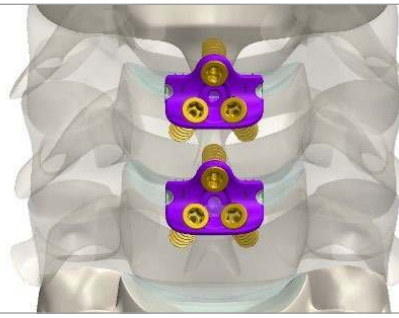
For a multilevel surgery, pay attention to the screw trajectory of the lower and upper level to limit any potential interference. The following figures show three possible scenarios that can help avoid interference with the adjacent level. The risk of interference can also be caused by other variables, such as the length of the screws and the height of the vertebral body.



47.



48.

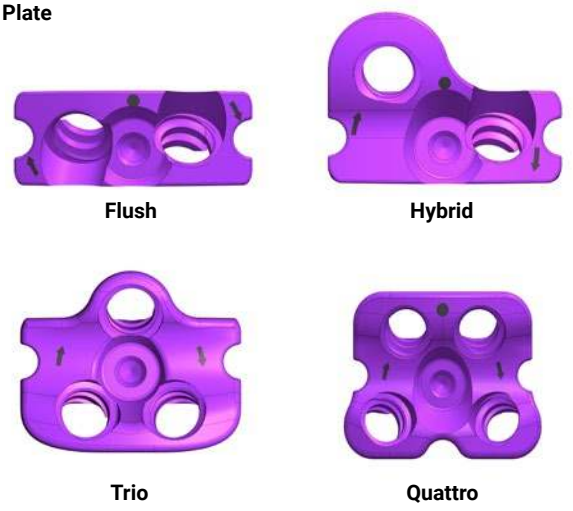


49.

7. RIGID FIXATION CONSTRUCT

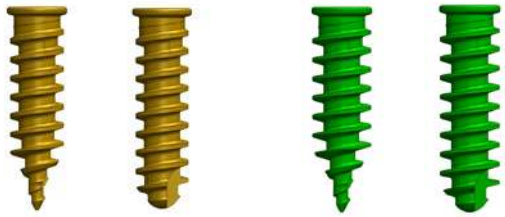
The following paragraphs describe the steps to insert the screw with the Rigid Fixation Design. Rigid Fixation Plate and screws "options"are summarized in the picture here below.

Plate



50.

Screws



51.

All the lock design instruments have a violet strip and "lock" marked along the shaf. See, as example Fig. 52.

Tissue protection sleeve (on demand)

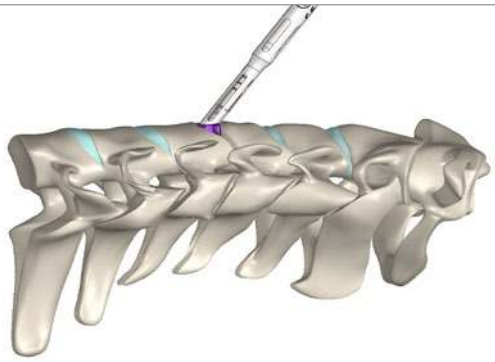


52.

Instruments without these marks are compatible with both the lock and lag designs.

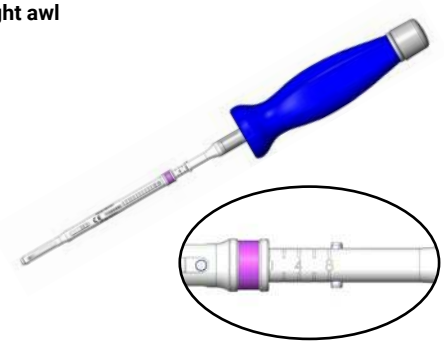
7.1 SCREW INSERTION

Use the Awl Lock design to perforate the cortical bone through the holes of the plate. The instrument is graduated to check the depth of penetration.



53.

Straight awl

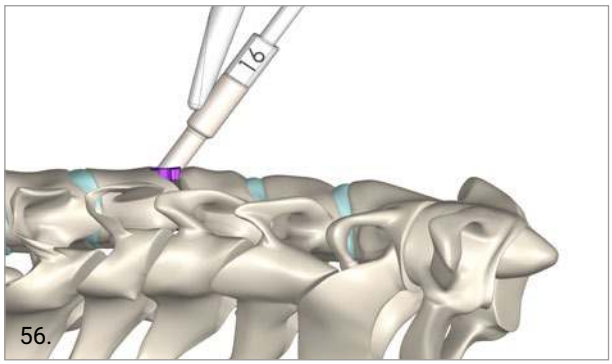


54.

Use the Handle drill Guide Lock and position it into the hole of the plate. Select the desired length of the Mecta-C Stand Alone Drill between the six available lengths (12mm, 14mm, 16mm, 18mm, 20mm & 22mm). Connect the Drill to the handle and drill until the mechanical stop is reached.



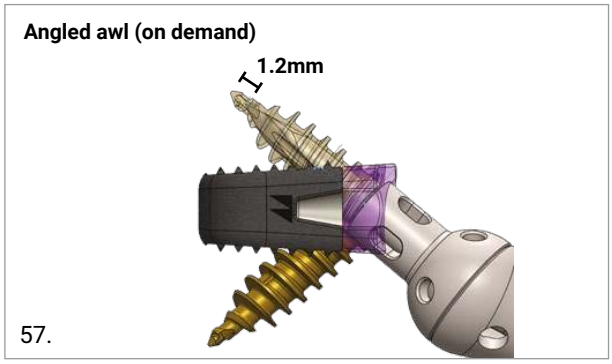
55.



56.

OPTION

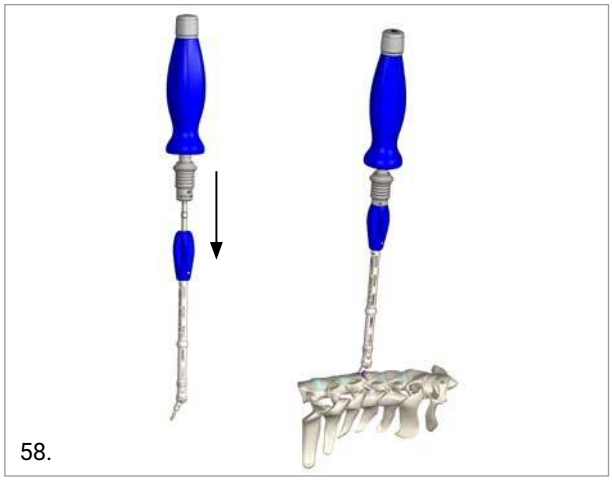
A further option to perforate the cortex is the Mecta-C Stand Alone angled awl. Attach the handle to the Mecta-C Stand Alone screwdriver. Insert the assembly into the Mecta-C Stand Alone angled awl until the mechanical stop is reached. The Mecta-C Stand Alone angled awl is not graduated; the awl protrusion is ~ 1.2mm less than the length of the shortest screw.



57.

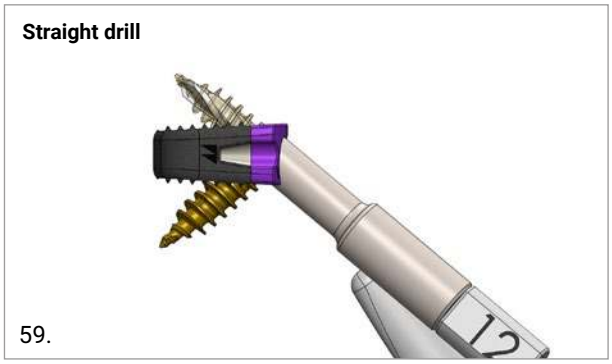
OPTION

A further option to perform the drilling is the Mecta-C Stand Alone angled drill. Attach the handle to the Mecta-C Stand Alone screwdriver. Insert the Mecta-C Stand Alone screwdriver into the Mecta-C Stand Alone 25° angled drill until the mechanical stop is reached.

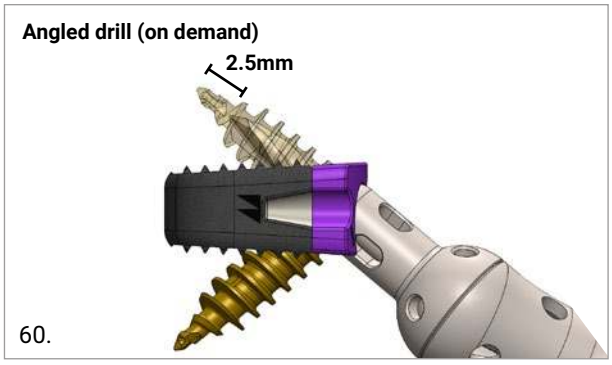

58.

NOTE

The bone perforation with the Mecta-C Stand Alone straight drill is equal to the related length of the screw (Fig. 59), while in the angled version the drill protrusion is ≈2.5mm less than the length of the shortest screw (Fig. 60).



59.



60.

OPTION

The Mecta-C Stand Alone screws are self-tapping. However, a tap may be used at the surgeon's discretion.

NOTE

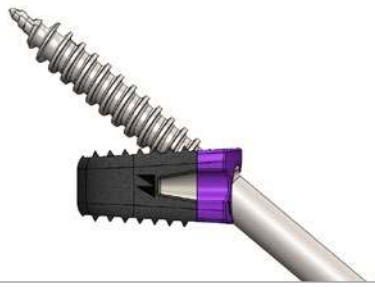
Use of the tap is highly recommended for sclerotic bone and for screws longer than 16mm.


61.

WARNING

When using screws with length <22mm, the Tap Straight should not be used all the way through the holes to avoid overtapping.

Straight tap



62.

If the angled lock tap is used, attach the handle to the Mecta-C Stand Alone screwdriver Straight (Self-Retaining or Non Self-Retaining) and insert it into the angled lock tap. Perform the tapping.

OPTION

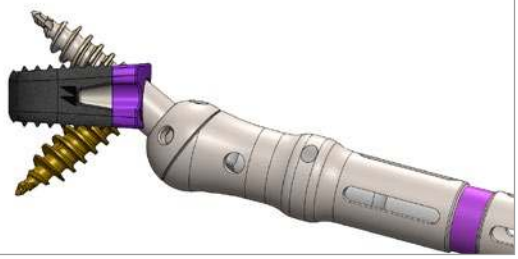
The tapping can be performed also with the Mecta-C Stand Alone angled tap. The bone perforation with the Mecta-C Stand Alone angled tap is equal to the protrusion of the shortest screw.

Angled tap (on demand)



63.

Angled tap (on demand)



64.

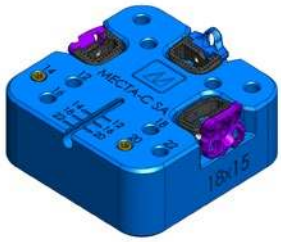
Connect the screw to the self-retaining Mecta-C Stand Alone screwdriver Straight. Insert the screw into the threaded hole of the plate

Self-Retaining and Non Self-Retaining screwdrivers are avaialble. The Non Self-Retaining feature is specified on the shaft of the instruments.



65.

Place the selected screw on the Loading Station, paying attention to match the screw with the hole of the equivalent depth as indicated on the Loading Station. Connect the screw to the Self-Retaining Mecta-C Stand Alone screwdriver Straight. Insert the screw into the threaded hole of the plate.

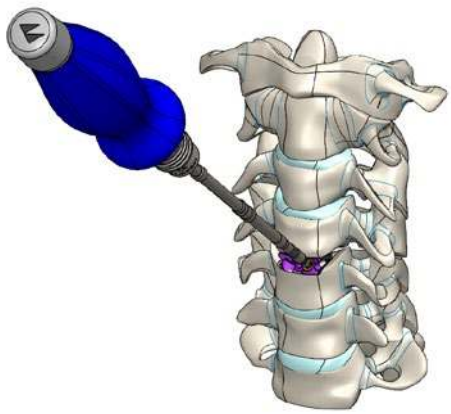


66.

WARNING

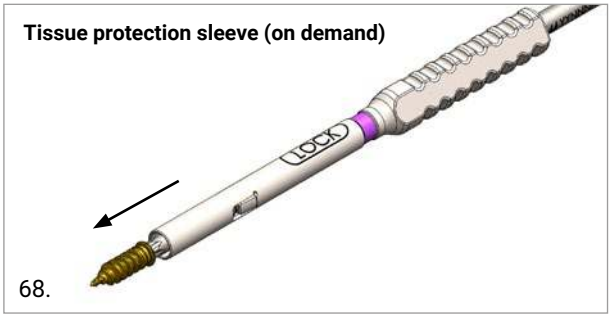
Once the screw is properly engaged with the Self-Retaining screwdriver, insert the screw through the hole of the Mecta-C Stand Alone cercival plate untile seated

Once the tip of the screw is inserted in the plate, the screw fixation can be performed also with the Non Self- Retaining screwdriver.



67.

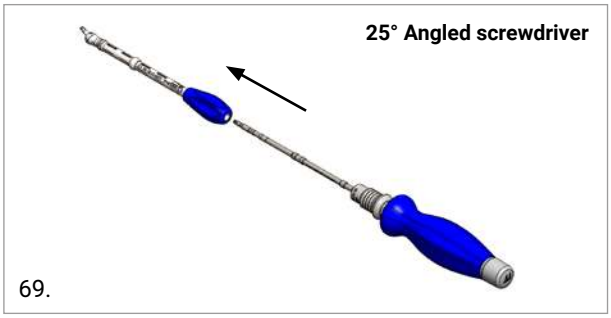
OPTION
A sleeve could be couple with the Mecta-C Stand Alone screwdriver for tissue protection.



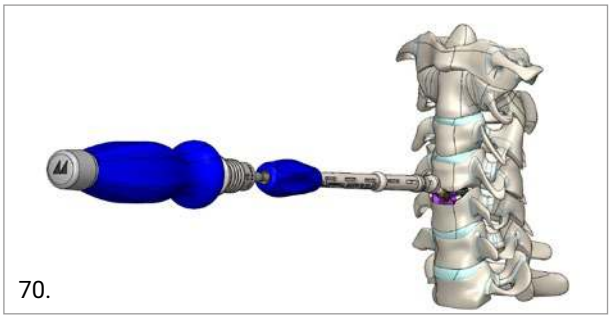
68.

In the set is also available the angled version of the screwdriver. Attach the straight handle to the Mecta-C Stand Alone screwdriver Straight (Self-Retaining or Non Self-Retaining).

Insert the screwdriver - handle assembly into the Mecta-C Stand Alone screwdriver Angled. Connect the screw and insert it into the threaded hole of the plate.

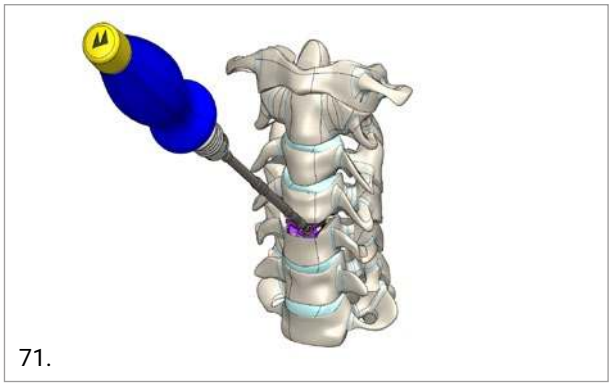


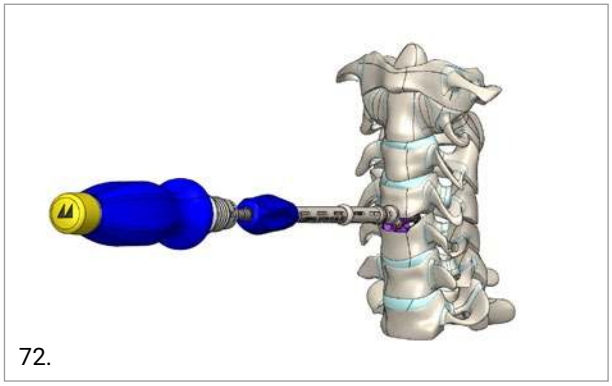
69.


70.

Repeat the steps of the current paragraph for the remaining screws.

To perform the final tightening couple the screwdriver, straight (both options) or angled, with the Mecta-C Stand Alone Handle with gold posterior wheel that has the torque limiter integrated and apply the closure at 1.2Nm.


71.


72.

7.2 IMPLANT REMOVAL

If a revision of the implant is performed or a badly-positioned implant needs to be removed, the implant can be safely removed using the standard instruments. Position the distal tip of the selected screwdriver until seated into the screw. Remove the screw by turning counterclockwise while pulling back the screw-to-screwdriver assembly.

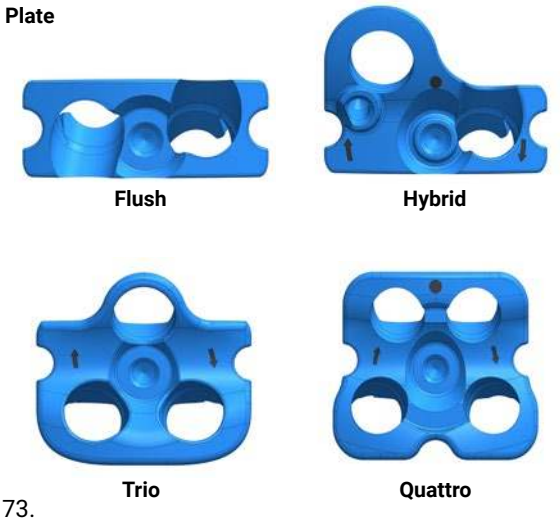
NOTE
In revision case bony ingrowth on the screw head may block proper connection of the instrument. Removal of this bony ingrowth is mandatory for safe removal of the implant. With the Non Self-Retaining screwdriver more force can be applied to unscrew the implant.

While ensuring the correct alignment of the cage to the appropriate implant inserter, screw the inserter tightly onto the implant. The implant inserter must be attached firmly to the plate in order to avoid demage to the inserter and to the plare threads. Apply force to pull out the implant from the disc space.

8. VARIABLE FIXATION CONSTRUCT

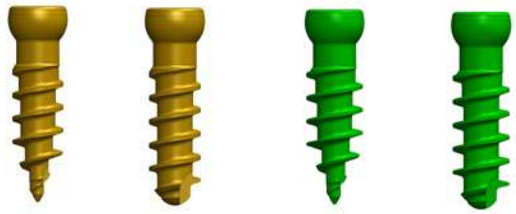
The following paragraphs describe the steps to insert the screw with the Variable Fixation Design. Variable Fixation plate and lag screws are summarized in the following picture.

Plate



73.

Screws



74.

NOTE
All the lag design instruments have a blue strip and "lag" marked along the shaft see, as example Fig. 75.

Tissue protection sleeve (on demand)



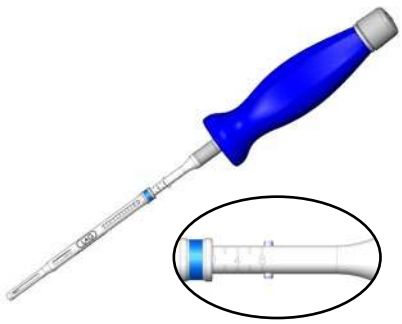
75.

Instruments with no marks are compatible both with lock and lag design.

8.1 SCREW INSERTION

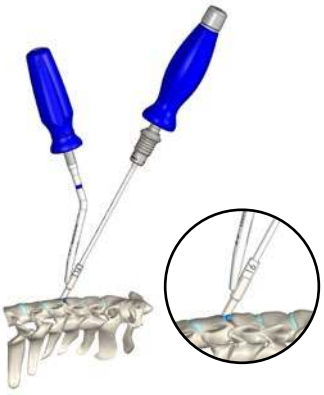
Use the Awl Variable Fixation Design to perforate the cortical bone through the plate holes. The instrument is graduated to check the depth of the penetration.

Straight awl



76.

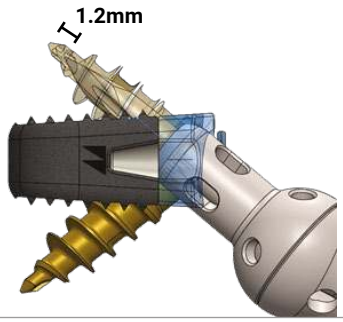
Use the Handle drill Guide Lag and position it into the plate hole. Chose the desired length of the Mecta-C Stand Alone Driller between the six available length (12mm, 14mm, 16mm, 18mm, 20mm & 22mm) and perform the drill until the mechanical stop.



77.

OPTION
A further option to perforate the cortex is the Mecta-C Stand Alone angled awl. Attach the handle to the Mecta-C Stand Alone screwdriver. Insert the assembly into the Mecta-C Stand Alone angled awl until the mechanical stop is reached. The Mecta-C Stand Alone angled awl is not graduated; the awl protrusion is ~ 1.2mm less than the length of the shortest screw.

Angled awl (on demand)



78.

OPTION

A further option to perform drill is the angled drill. Attach the handle to the Mecta-C Stand Alone screwdriver. Insert the Mecta-C Stand Alone screwdriver into the Mecta-C Stand Alone Drill angled 25° until the mechanical stop is reached.

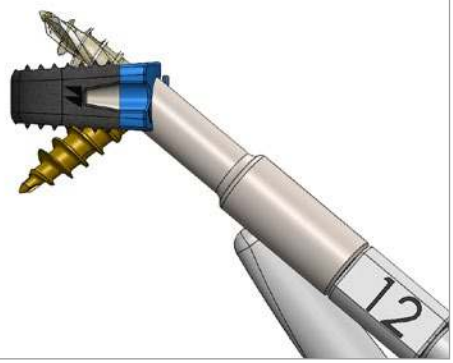


79.

NOTE

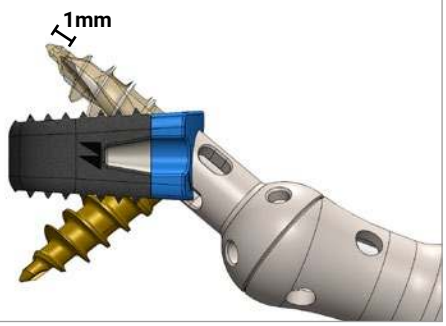
The bone perforation with the Mecta-C Stand Alone Drill straight is equal to the related length of the screw (Fig. 80), while in the angled version the drill protrusion is ≈1mm less than the length of the shortest screw (Fig. 81).

Straight drill



80.

Angled drill (on demand)



81.

OPTION

The Mecta-C Stand Alone screws are self-tapping. However, tap may be used at the surgeon's discretion.

NOTE

The use of Tap is highly recommended for sclerotic bone and for screws longer than 16mm.

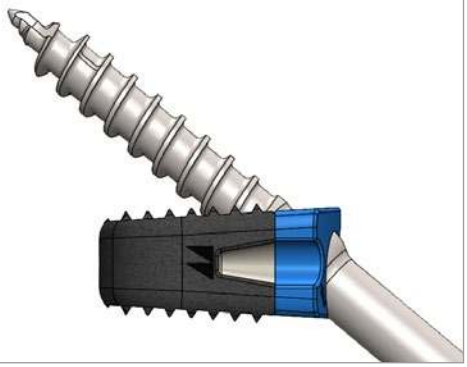


82.

WARNING

When using screws with length<22mm, the Tap Straight should not be used all the way through the holes to avoid overtapping.

Straight tap



83.

In case the angled lock tap is used attach the handle to the Mecta-C Stand Alone screwdrivers Straight (Self-Retaining or not) and insert it into the angled lag tap. Perform the tap.

OPTION

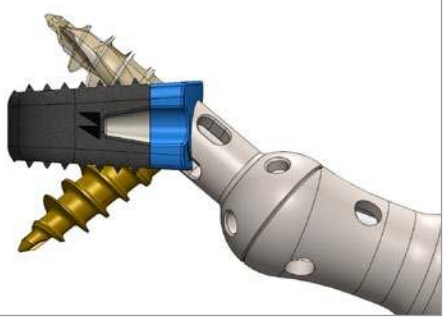
Tapping can be also performed with the angled tap. The bone perforation with the Mecta-C Stand Alone angled tap is equal to the protrusion of the shortest screw.

Angled tap (on demand)



84.

Angled tap (on demand)



85.

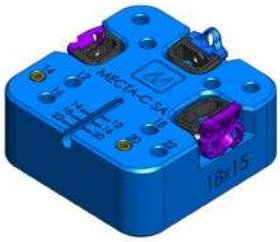
OPTION

Self-Retaining and Non Self-Retaining screwdrivers are available. The Non Self-Retaining feature is specified on the shaft of the instruments.

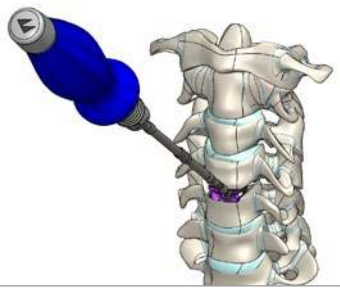


86.

Place the selected screw on the Loading Station, paying attention to match the screw with the hole of the equivalent depth as indicated on the Loading Station. Connect the screw to the Self-Retaining Mecta-C Stand Alone screwdriver Straight.



87.



88.

OPTION

A sleeve can be coupled with the Mecta-C Stand Alone screwdriver Straight for tissue protection.

Tissue protection sleeve (on demand)

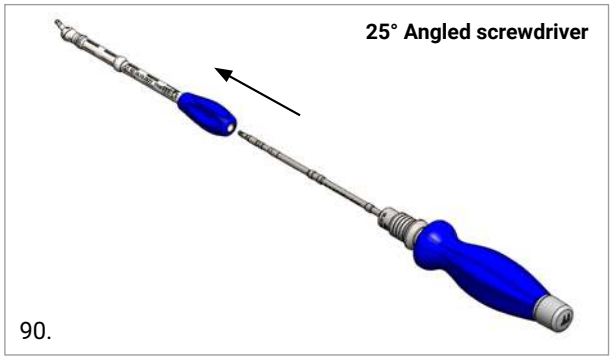


89.

WARNING
Once the screw is properly engaged with the Self-Retaining screwdriver, insert the screw through the Mecta-C Stand Alone cervical plate hole until seated.

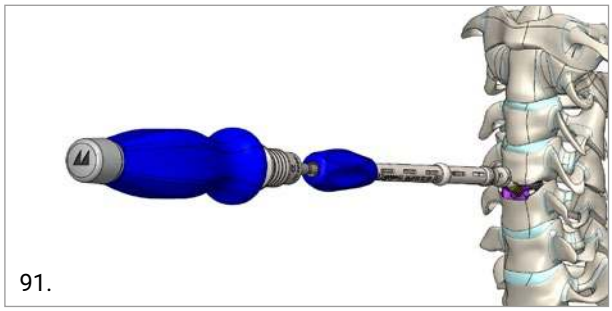
Once the tip of the screw is inserted in the plate, the screw fixation can be performed also with the Non Self- Retaining screwdriver.

A further option is the angled version of the screwdriver. Couple the Mecta-C Stand Alone screwdriver Straight (Self-Retaining or not) with the Mecta-C Stand Alone screwdriver Angled. Connect the screw and insert it into the hole of the plate.



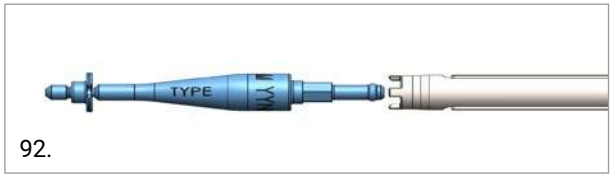
90.

WARNING
Do not continue advancing the screw in the plate. Over-tightening may strip the bone and compromise the fixation of the implant in the vertebral bodies.


91.

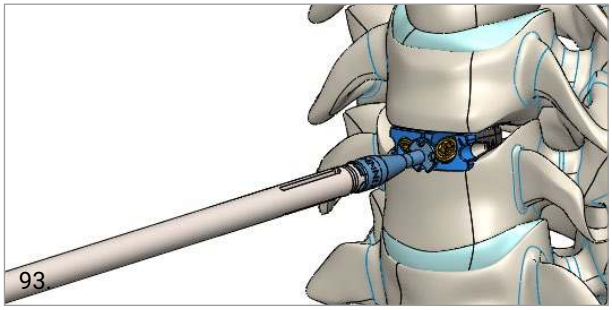
Repeat the steps for all the remaining screws.

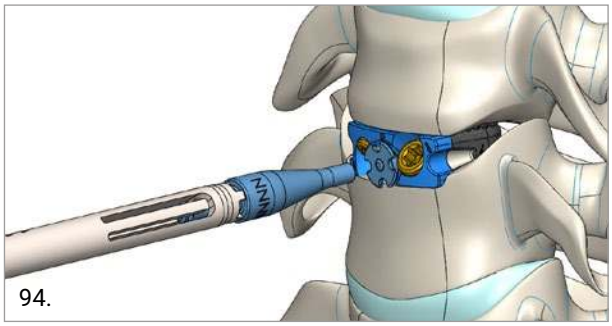
Antibackout screw insertion
The construct must be finally fixed with the antibackout screw. Couple the Mecta-C Stand Alone antibackout self-retaining screwdriver with the antibackout screw packed with the lag plate.



92.

Screw the antibackout screw in the dedicated hole and apply torque until the antibackout screw is detached from the shaft.


93.


94.

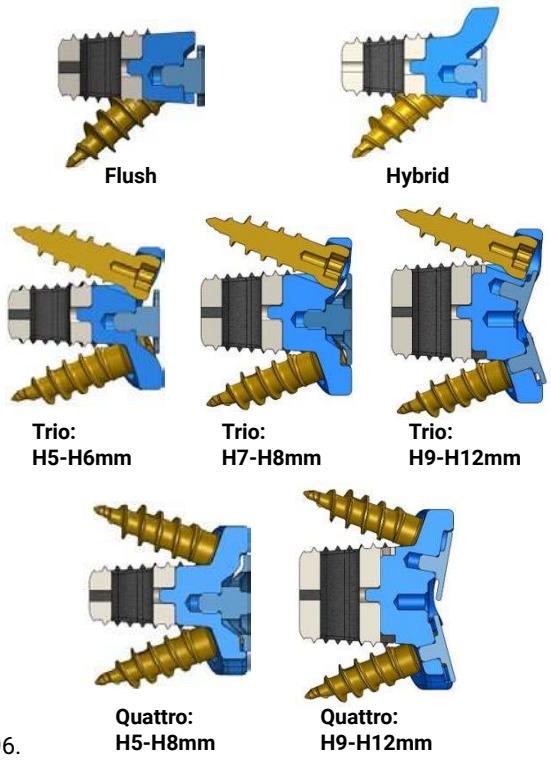
NOTE
The antibackout screw self-detaches from its shaft by applying the right torque with the screwdriver, do not overtight the antibackout screw because this could lead to the breakage of the screw head.

The design of the antibackout screw changes according to the plate design and the plate height. Also the number of antibackout screws needed to final lock the construct may vary according to plate design and plate height as shown in the following pictures.

To verify if the antibackout screw is properly seated, take a lateral X-ray.

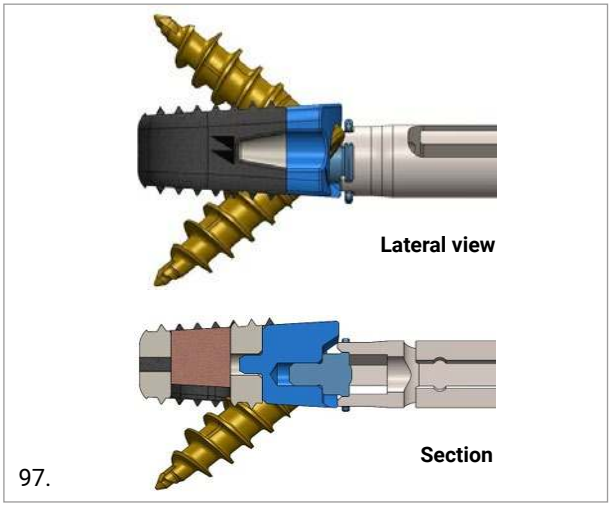

95.

NOTE
Depending on the cage-plate layout, when the antibackout screw is fully seated a small gap between the antibackout screw and the head of the Lag screws can be seen on the lateral X-ray. Depending on the design and on the height of the plate, the dimension of the gap may vary.



96.

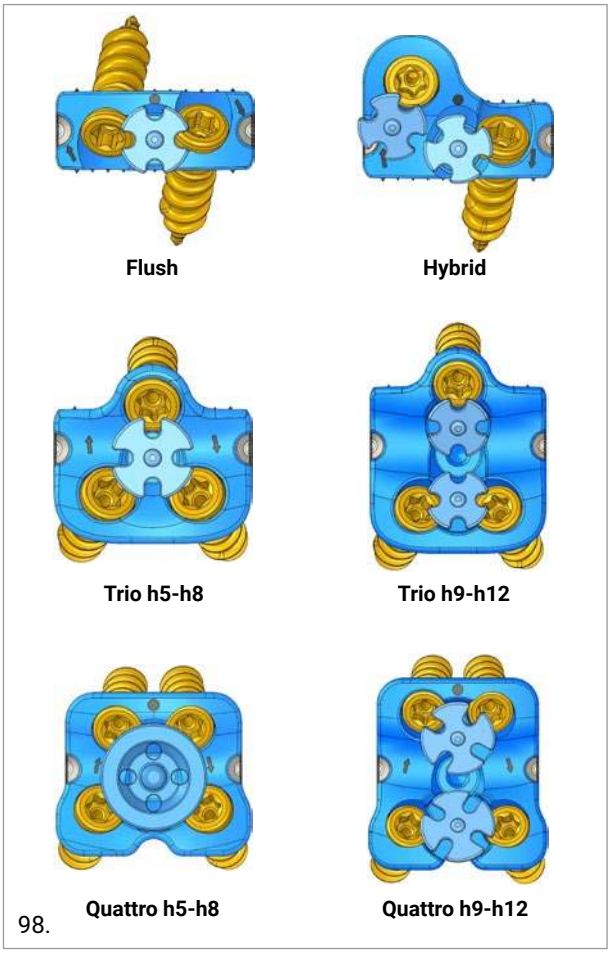
The gap has two functions:
1. It allows for achieving the desired angulation of the lag screw, avoiding any interference with the antibackout screw.
2. It allows for the removal of the antibackout screw if necessary or during a revision surgery, avoiding interference with the instrument.



97.

CAUTION

The antibackout screws is available packed together with the related plate and also packed alone. If the antibackout screws packed alone are needed please check carefully the compatibility between the antibackout screws and the plate. The compatibility is reported on the implant's label and in the paragraph "implants nomenclature".



98.

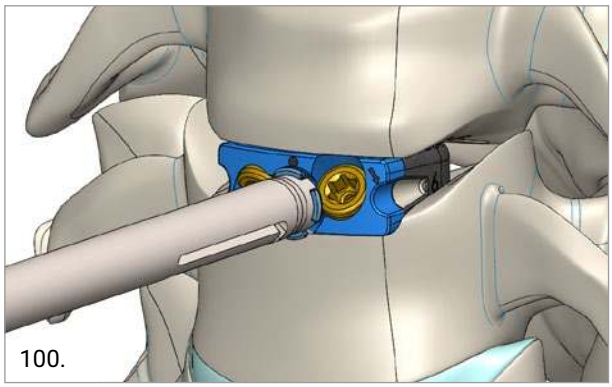
8.2 IMPLANT REMOVAL

If a revision of the implant is performed or a badly-positioned implant needs to be removed, the implant can be safely removed using the standard instruments.

Attach the Mecta-C Stand Alone antibackout screwdriver to the antibackout screw and unscrew it by turning counter clockwise.



99.



100.

Position the distal tip of the selected screwdriver until seated into the screw. Remove the screw by turning counterclockwise while pulling back the screw-to-screwdriver assembly.

NOTE
In revision cases, bony ingrowth on the screw head may block proper connection of the instrument. Removal of this bony ingrowth is mandatory for safe removal of the implant. With the Non Self-Retaining screwdriver can be applied more force to unscrew the implant.

While ensuring the correct alignment of the cage to the appropriate implant inserter, screw the inserter tightly onto the implant. The implant inserter must be attached firmly to the plate in order to avoid damage to the inserter and to the plate threads. Apply force to pull out the implant from the disc space.

9. IMPLANT NOMENCLATURE

MECTA-C STAND ALONE TIPEEK CAGE



Reference	Description
03.18.101	Mecta-C SA TiPEEK Cage 15x13x5x7°
03.18.102	Mecta-C SA TiPEEK Cage 15x13x6x7°
03.18.103	Mecta-C SA TiPEEK Cage 15x13x7x7°
03.18.104	Mecta-C SA TiPEEK Cage 15x13x8x7°
03.18.105	Mecta-C SA TiPEEK Cage 15x13x9x7°
03.18.106	Mecta-C SA TiPEEK Cage 15x13x10x7°
03.18.107	Mecta-C SA TiPEEK Cage 15x13x11x7°
03.18.108	Mecta-C SA TiPEEK Cage 15x13x12x7°
03.18.109	Mecta-C SA TiPEEK Cage 16x14x5x7°
03.18.110	Mecta-C SA TiPEEK Cage 16x14x6x7°
03.18.111	Mecta-C SA TiPEEK Cage 16x14x7x7°
03.18.112	Mecta-C SA TiPEEK Cage 16x14x8x7°
03.18.113	Mecta-C SA TiPEEK Cage 16x14x9x7°
03.18.114	Mecta-C SA TiPEEK Cage 16x14x10x7°
03.18.115	Mecta-C SA TiPEEK Cage 16x14x11x7°
03.18.116	Mecta-C SA TiPEEK Cage 16x14x12x7°
03.18.117	Mecta-C SA TiPEEK Cage 18x15x5x7°
03.18.118	Mecta-C SA TiPEEK Cage 18x15x6x7°
03.18.119	Mecta-C SA TiPEEK Cage 18x15x7x7°
03.18.120	Mecta-C SA TiPEEK Cage 18x15x8x7°
03.18.121	Mecta-C SA TiPEEK Cage 18x15x9x7°
03.18.122	Mecta-C SA TiPEEK Cage 18x15x10x7°
03.18.123	Mecta-C SA TiPEEK Cage 18x15x11x7°
03.18.124	Mecta-C SA TiPEEK Cage 18x15x12x7°

9.1 RIGID FIXATION DESIGN

MECTA-C STAND ALONE FLUSH PLATE RIGID FIXATION DESIGN



Reference	Description
03.18.206	Mecta-C SA - Plate Flush Lock h6
03.18.207	Mecta-C SA - Plate Flush Lock h7
03.18.208	Mecta-C SA - Plate Flush Lock h8
03.18.209	Mecta-C SA - Plate Flush Lock h9
03.18.210	Mecta-C SA - Plate Flush Lock h10
03.18.211	Mecta-C SA - Plate Flush Lock h11
03.18.212	Mecta-C SA - Plate Flush Lock h12

MECTA-C STAND ALONE TRIO PLATE RIGID FIXATION DESIGN



Reference	Description
03.18.305	Mecta-C SA - Plate Trio Lock h5
03.18.306	Mecta-C SA - Plate Trio Lock h6
03.18.307	Mecta-C SA - Plate Trio Lock h7
03.18.308	Mecta-C SA - Plate Trio Lock h8
03.18.309	Mecta-C SA - Plate Trio Lock h9
03.18.310	Mecta-C SA - Plate Trio Lock h10
03.18.311	Mecta-C SA - Plate Trio Lock h11
03.18.312	Mecta-C SA - Plate Trio Lock h12

MECTA-C STAND ALONE QUATTRO PLATE RIGID FIXATION DESIGN



Reference	Description
03.18.405	Mecta-C SA - Plate Quattro Lock h5
03.18.406	Mecta-C SA - Plate Quattro Lock h6
03.18.407	Mecta-C SA - Plate Quattro Lock h7
03.18.408	Mecta-C SA - Plate Quattro Lock h8
03.18.409	Mecta-C SA - Plate Quattro Lock h9
03.18.410	Mecta-C SA - Plate Quattro Lock h10
03.18.411	Mecta-C SA - Plate Quattro Lock h11
03.18.412	Mecta-C SA - Plate Quattro Lock h12

MECTA-C STAND ALONE HYBRID PLATE RIGID FIXATION DESIGN



Reference	Description
03.18.506	Mecta-C SA Cage - Plate Hybrid Lock h6
03.18.507	Mecta-C SA Cage - Plate Hybrid Lock h7
03.18.508	Mecta-C SA Cage - Plate Hybrid Lock h8
03.18.509	Mecta-C SA Cage - Plate Hybrid Lock h9
03.18.510	Mecta-C SA Cage - Plate Hybrid Lock h10
03.18.511	Mecta-C SA Cage - Plate Hybrid Lock h11
03.18.512	Mecta-C SA Cage - Plate Hybrid Lock h12

MECTA-C STAND ALONE SELF DRILLING SCREWS RIGID FIXATION DESIGN PRIMARY



Reference	Description
03.18.601	Mecta-C SA Drill Screw Lock Ø3.8x12 (1x)
03.18.602	Mecta-C SA Drill Screw Lock Ø3.8x14 (1x)
03.18.603	Mecta-C SA Drill Screw Lock Ø3.8x16 (1x)
03.18.604	Mecta-C SA Drill Screw Lock Ø3.8x18 (1x)
03.18.605	Mecta-C SA Drill Screw Lock Ø3.8x20 (1x)
03.18.621	Mecta-C SA Drill Screw Lock Ø3.8x12 (2x)
03.18.622	Mecta-C SA Drill Screw Lock Ø3.8x14 (2x)
03.18.623	Mecta-C SA Drill Screw Lock Ø3.8x16 (2x)
03.18.624	Mecta-C SA Drill Screw Lock Ø3.8x18 (2x)
03.18.625	Mecta-C SA Drill Screw Lock Ø3.8x20 (2x)

MECTA-C STAND ALONE SELF DRILLING SCREWS RIGID FIXATION DESIGN REVISION



Reference	Description
03.18.606	Mecta-C SA Drill Screw Lock Ø4.2x12 (1x)
03.18.607	Mecta-C SA Drill Screw Lock Ø4.2x14 (1x)
03.18.608	Mecta-C SA Drill Screw Lock Ø4.2x16 (1x)
03.18.609	Mecta-C SA Drill Screw Lock Ø4.2x18 (1x)
03.18.610	Mecta-C SA Drill Screw Lock Ø4.2x20 (1x)
03.18.626	Mecta-C SA Drill Screw Lock Ø4.2x12 (2x)
03.18.627	Mecta-C SA Drill Screw Lock Ø4.2x14 (2x)
03.18.628	Mecta-C SA Drill Screw Lock Ø4.2x16 (2x)
03.18.629	Mecta-C SA Drill Screw Lock Ø4.2x18 (2x)
03.18.630	Mecta-C SA Drill Screw Lock Ø4.2x20 (2x)

MECTA-C STAND ALONE SELF TAPPING SCREWS RIGID FIXATION DESIGN PRIMARY



Reference	Description
03.18.701	Mecta-C SA Tap Screw Lock Ø3.8x12 (1x)
03.18.702	Mecta-C SA Tap Screw Lock Ø3.8x14 (1x)
03.18.703	Mecta-C SA Tap Screw Lock Ø3.8x16 (1x)
03.18.704	Mecta-C SA Tap Screw Lock Ø3.8x18 (1x)
03.18.705	Mecta-C SA Tap Screw Lock Ø3.8x20 (1x)
03.18.750	Mecta-C SA Tap Screw Lock Ø3.8x22 (1x)
03.18.721	Mecta-C SA Tap Screw Lock Ø3.8x12 (2x)
03.18.722	Mecta-C SA Tap Screw Lock Ø3.8x14 (2x)
03.18.723	Mecta-C SA Tap Screw Lock Ø3.8x16 (2x)
03.18.724	Mecta-C SA Tap Screw Lock Ø3.8x18 (2x)
03.18.725	Mecta-C SA Tap Screw Lock Ø3.8x20 (2x)
03.18.770	Mecta-C SA Tap Screw Lock Ø3.8x22 (2x)

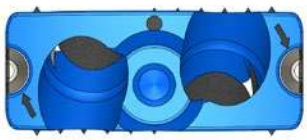
MECTA-C STAND ALONE SELF TAPPING SCREWS RIGID FIXATION DESIGN REVISION



Reference	Description
03.18.706	Mecta-C SA Tap Screw Lock Ø4.2x12 (1x)
03.18.707	Mecta-C SA Tap Screw Lock Ø4.2x14 (1x)
03.18.708	Mecta-C SA Tap Screw Lock Ø4.2x16 (1x)
03.18.709	Mecta-C SA Tap Screw Lock Ø4.2x18 (1x)
03.18.710	Mecta-C SA Tap Screw Lock Ø4.2x20 (1x)
03.18.751	Mecta-C SA Tap Screw Lock Ø4.2x22 (1x)
03.18.726	Mecta-C SA Tap Screw Lock Ø4.2x12 (2x)
03.18.727	Mecta-C SA Tap Screw Lock Ø4.2x14 (2x)
03.18.728	Mecta-C SA Tap Screw Lock Ø4.2x16 (2x)
03.18.729	Mecta-C SA Tap Screw Lock Ø4.2x18 (2x)
03.18.730	Mecta-C SA Tap Screw Lock Ø4.2x20 (2x)
03.18.771	Mecta-C SA Tap Screw Lock Ø4.2x22 (2x)

9.2 VARIABLE FIXATION DESIGN

MECTA-C STAND ALONE FLUSH PLATE VARIABLE FIXATION DESIGN



Reference	Description
03.18.216	Mecta-C SA - Plate Flush Lag h6
03.18.217	Mecta-C SA - Plate Flush Lag h7
03.18.218	Mecta-C SA - Plate Flush Lag h8
03.18.219	Mecta-C SA - Plate Flush Lag h9
03.18.220	Mecta-C SA - Plate Flush Lag h10
03.18.221	Mecta-C SA - Plate Flush Lag h11
03.18.222	Mecta-C SA - Plate Flush Lag h12

MECTA-C STAND ALONE TRIO PLATE VARIABLE FIXATION DESIGN



Reference	Description
03.18.315	Mecta-C SA - Plate Trio Lag h5
03.18.316	Mecta-C SA - Plate Trio Lag h6
03.18.317	Mecta-C SA - Plate Trio Lag h7
03.18.318	Mecta-C SA - Plate Trio Lag h8
03.18.319	Mecta-C SA - Plate Trio Lag h9
03.18.320	Mecta-C SA - Plate Trio Lag h10
03.18.321	Mecta-C SA - Plate Trio Lag h11
03.18.322	Mecta-C SA - Plate Trio Lag h12

MECTA-C STAND ALONE QUATTRO PLATE VARIABLE FIXATION DESIGN



Reference	Description
03.18.415	Mecta-C SA - Plate Quattro Lag h5
03.18.416	Mecta-C SA - Plate Quattro Lag h6
03.18.417	Mecta-C SA - Plate Quattro Lag h7
03.18.418	Mecta-C SA - Plate Quattro Lag h8
03.18.419	Mecta-C SA - Plate Quattro Lag h9
03.18.420	Mecta-C SA - Plate Quattro Lag h10
03.18.421	Mecta-C SA - Plate Quattro Lag h11
03.18.422	Mecta-C SA - Plate Quattro Lag h12

MECTA-C STAND ALONE HYBRID PLATE VARIABLE FIXATION DESIGN



Reference	Description
03.18.516	Mecta-C SA - Plate Hybrid Lag h6
03.18.517	Mecta-C SA - Plate Hybrid Lag h7
03.18.518	Mecta-C SA - Plate Hybrid Lag h8
03.18.519	Mecta-C SA - Plate Hybrid Lag h9
03.18.520	Mecta-C SA - Plate Hybrid Lag h10
03.18.521	Mecta-C SA - Plate Hybrid Lag h11
03.18.522	Mecta-C SA - Plate Hybrid Lag h12

MECTA-C STAND ALONE SELF DRILLING SCREWS VARIABLE FIXATION DESIGN REVISION



Reference	Description
03.18.611	Mecta-C SA Drill Screw Lag Ø3.8x12 (1x)
03.18.612	Mecta-C SA Drill Screw Lag Ø3.8x14 (1x)
03.18.613	Mecta-C SA Drill Screw Lag Ø3.8x16 (1x)
03.18.614	Mecta-C SA Drill Screw Lag Ø3.8x18 (1x)
03.18.615	Mecta-C SA Drill Screw Lag Ø3.8x20 (1x)
03.18.631	Mecta-C SA Drill Screw Lag Ø3.8x12 (2x)
03.18.632	Mecta-C SA Drill Screw Lag Ø3.8x14 (2x)
03.18.633	Mecta-C SA Drill Screw Lag Ø3.8x16 (2x)
03.18.634	Mecta-C SA Drill Screw Lag Ø3.8x18 (2x)
03.18.635	Mecta-C SA Drill Screw Lag Ø3.8x20 (2x)

MECTA-C STAND ALONE SELF DRILLING SCREWS VARIABLE FIXATION DESIGN REVISION



Reference	Description
03.18.616	Mecta-C SA Drill Screw Lag Ø4.2x12 (1x)
03.18.617	Mecta-C SA Drill Screw Lag Ø4.2x14 (1x)
03.18.618	Mecta-C SA Drill Screw Lag Ø4.2x16 (1x)
03.18.619	Mecta-C SA Drill Screw Lag Ø4.2x18 (1x)
03.18.620	Mecta-C SA Drill Screw Lag Ø4.2x20 (1x)
03.18.636	Mecta-C SA Drill Screw Lag Ø4.2x12 (2x)
03.18.637	Mecta-C SA Drill Screw Lag Ø4.2x14 (2x)
03.18.638	Mecta-C SA Drill Screw Lag Ø4.2x16 (2x)
03.18.639	Mecta-C SA Drill Screw Lag Ø4.2x18 (2x)
03.18.640	Mecta-C SA Drill Screw Lag Ø4.2x20 (2x)

MECTA-C STAND ALONE SELF TAPPING SCREWS VARIABLE FIXATION DESIGN PRIMARY



Reference	Description
03.18.711	Mecta-C SA Tap Screw Lag Ø3.8x12 (1x)
03.18.712	Mecta-C SA Tap Screw Lag Ø3.8x14 (1x)
03.18.713	Mecta-C SA Tap Screw Lag Ø3.8x16 (1x)
03.18.714	Mecta-C SA Tap Screw Lag Ø3.8x18 (1x)
03.18.715	Mecta-C SA Tap Screw Lag Ø3.8x20 (1x)
03.18.760	Mecta-C SA Tap Screw Lag Ø3.8x22 (1x)
03.18.731	Mecta-C SA Tap Screw Lag Ø3.8x12 (2x)
03.18.732	Mecta-C SA Tap Screw Lag Ø3.8x14 (2x)
03.18.733	Mecta-C SA Tap Screw Lag Ø3.8x16 (2x)
03.18.734	Mecta-C SA Tap Screw Lag Ø3.8x18 (2x)
03.18.735	Mecta-C SA Tap Screw Lag Ø3.8x20 (2x)
03.18.780	Mecta-C SA Tap Screw Lag Ø3.8x22 (2x)

MECTA-C STAND ALONE SELF TAPPING SCREWS VARIABLE FIXATION DESIGN REVISION



Reference	Description
03.18.716	Mecta-C SA Tap Screw Lag Ø4.2x12 (1x)
03.18.717	Mecta-C SA Tap Screw Lag Ø4.2x14 (1x)
03.18.718	Mecta-C SA Tap Screw Lag Ø4.2x16 (1x)
03.18.719	Mecta-C SA Tap Screw Lag Ø4.2x18 (1x)
03.18.720	Mecta-C SA Tap Screw Lag Ø4.2x20 (1x)
03.18.761	Mecta-C SA Tap Screw Lag Ø4.2x22 (1x)
03.18.736	Mecta-C SA Tap Screw Lag Ø4.2x12 (2x)
03.18.737	Mecta-C SA Tap Screw Lag Ø4.2x14 (2x)
03.18.738	Mecta-C SA Tap Screw Lag Ø4.2x16 (2x)
03.18.739	Mecta-C SA Tap Screw Lag Ø4.2x18 (2x)
03.18.740	Mecta-C SA Tap Screw Lag Ø4.2x20 (2x)
03.18.781	Mecta-C SA Tap Screw Lag Ø4.2x22 (2x)

MECTA-C STAND ALONE VARIABLE FIXATION DESIGN ANTIBACKOUT SCREW

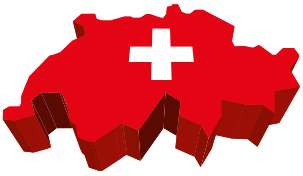


Reference	Description
03.18.821	Mecta-C SA Antibackout Flush h6-h8
03.18.822	Mecta-C SA Antibackout Flush h9-h12
03.18.831	Mecta-C SA Antibackout Trio h5-h6
03.18.832	Mecta-C SA Antibackout Trio h7-h8
03.18.833	Mecta-C SA Antibackout Trio h9-h12
03.18.842	Mecta-C SA Antibackout Quattro h5-8
03.18.843	Mecta-C SA Antibackout Quattro h9-12
03.18.851	Mecta-C SA Antibackout Hybrid

Part numbers subject to change.

NOTE FOR STERILISATION

In case the instrumentation is not sterile upon delivery, it must be cleaned before use and sterilized in an autoclave respecting the regulation of the country, EU directives where applicable and following the instructions for use of the autoclave manufacturer. For detailed instructions please refer to the document “Recommendations for cleaning decontamination and sterilization of Medacta International reusable orthopedic devices” available at www.medacta.com.



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Surgical Technique

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