



Erisma[®] - **LP NAV MIS**

POSTERIOR FIXATION



Surgical Technique - USA



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Erisma[®] – LP NAV MIS

POSTERIOR FIXATION



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Surgical Technique

To become the architects of spine, Clariance has developed its products in collaboration with expert surgeons in their practice from all backgrounds including from France and the US. Because of this diversity, Clariance offers solutions that meet all practices. This surgical technique guide is the result of the proximity between the surgeons and Clariance.



ERISMA-LP NAV CANNULATED SCREWDRIVER TUBE

48710004(1/2)



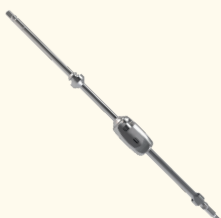
ERISMA-LP NAV CANNULATED SCREWDRIVER SHAFT

48710004(2/2)



ERISMA-LP NAV CANNULATED SCREWDRIVER

48710004 (Assembled)

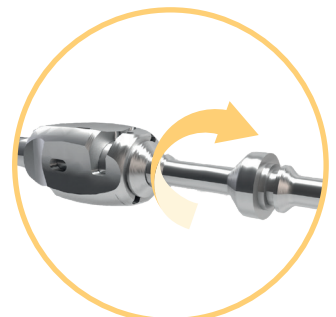


INDICATIONS

Clariance Erisma®-LP Navigated Instruments are intended to be used in the preparation and placement of Erisma®-LP Screws during spinal surgery to assist the surgeon in precisely locating anatomical structures in either open or minimally invasive procedures. These instruments are designed for use with the Medtronic StealthStation® System, which is indicated for any medical condition in which the use of stereotactic surgery may be appropriate and where reference to a rigid anatomical structure, such as a vertebra, can be identified relative to a CT or MRI based model, fluoroscopy images or digitized landmarks of the anatomy.

1 | SCREWDRIVER ASSEMBLY

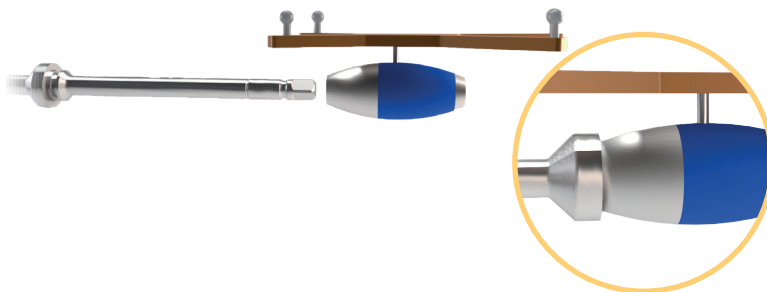
- Insert the **Shaft** into the **Tube** of the **Screwdriver**.
- Turn the Shaft clockwise until it is completely inserted in the Tube.



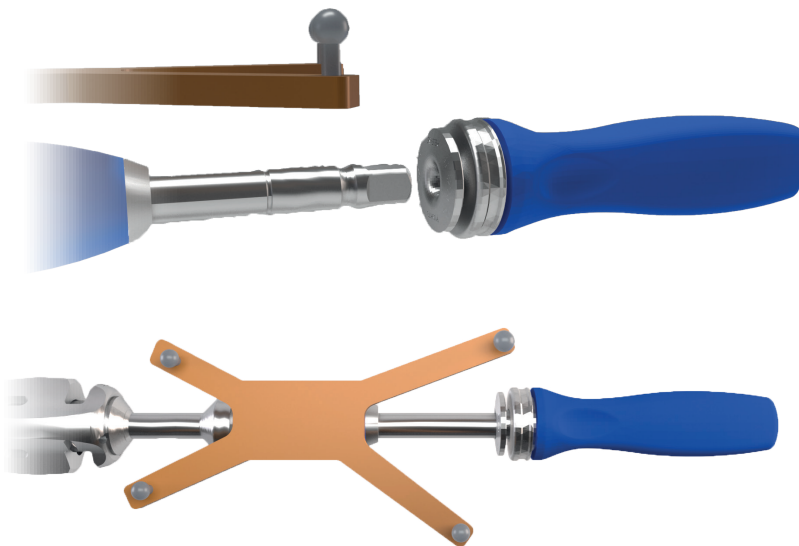
2 | INSTRUMENT PREPARATION

The Erisma-LP Navigated Instruments are traced by the StealthStation by way of the NavLock™ Trackers. There are four different NavLock Trackers which can be differentiated by their easily recognizable colors: Orange, Green, Purple or Gray.

- Prepare the NavLock Trackers as indicated by the manufacturer.
- Slide a NavLock Tracker onto each instrument to be used during the surgery.



- Attach the handle to the instrument after insertion of the Navlock.
- **Erisma-LP NAV Palm Handle** for Taps is included in the Navigation instruments container, while the **Ratcheting Cylindrical Handle** for the Screwdriver is included in the Erisma-LP MIS standard instrument set.



Tip: The correct way to attach the NavLock Trackers is to turn the metallic part of the cylinder towards the instrument. When correctly mounted, the NavLock Trackers snap onto the instrument and can no longer be removed without squeezing the triggers on the NavLock Trackers metal cylinder.

RATCHETING CYLINDRICAL HANDLE

99782007



ERISMA-LP NAV PALM HANDLE

99780004



3 | STEALTHSTATION SET-UP & INSTRUMENT VERIFICATION

- Set-up the StealthStation as indicated by the manufacturer.
- Identify the instruments attached to the selected NavLock Trackers by selecting the manufacturer's instrument which corresponds to each Erisma Navigated Instrument. The correspondence can be found in the table below:

ERISMA-LP NAVIGATED INSTRUMENTS		STEALTHSTATION INSTRUMENT GROUP	SPECIFIC EQUIVALENT STEALTHSTATION INSTRUMENT CARD
48710004	Cannulated Screwdriver	Solera 5.5/6.0 Drivers	Solera 5.5/6.0 MAS Driver Lgtd
487011xx	Cannulated Tap D. X.XXmm	Solera Cann. Taps	Solera Tap X.Xmm XX corresponds to the diameter of the selected tap.

- Perform accuracy verification of the instruments according to the manufacturer's instructions.

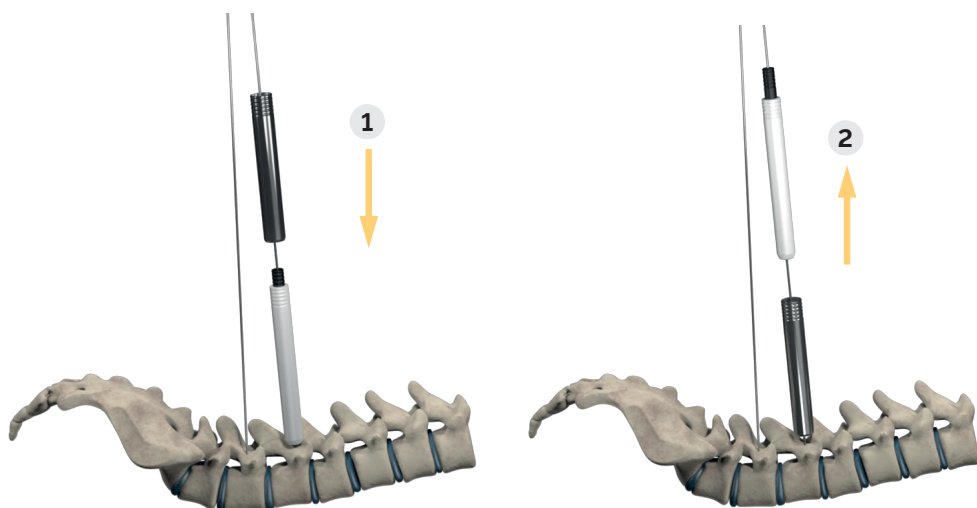
WARNINGS:

- The Navigated instrument must be handled with care and inspected for damage prior to use. If you drop it or otherwise damage it, verify its calibration accuracy. If they are bent or damaged in any ways, they should not be used, regardless of Navigated or manual procedure. Failure to do so may lead to serious injury to the patient.
- Users must ensure that the surgical accuracy assessed before the procedure and repeatedly throughout the procedure by positioning the tip of each Navigated instrument on an identifiable landmark and comparing the actual tip location to the information displayed by the system. When verifying the accuracy of the Navigated driver, a Screw must be assembled on it (of which diameter and length are selected in the software).
- Instruction to discontinue use in the event of registration failure or suspected inaccuracy, the Navigated instruments should not be used with the navigation system, and the instruments should be inspected for damage before continuing with the traditional, non-Navigated procedure.

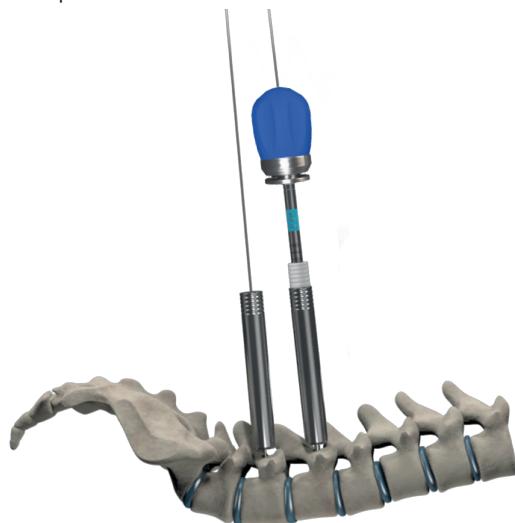
4 | PEDICLE PREPARATION

Guidewire and tissue Dilators are included in the Erisma-LP MIS standard instrumentation.

- Insert a Guidewire of 1.5mm of diameter.
- The initial incision is enlarged by sliding the Dilators along the Guidewire.
- The **Tap Sleeve Dilator** is the positioned on the Dilators.
- After the Tap Sleeve Dilator has been inserted, the Dilators can be removed.



- Though Erisma-LP MIS Screws are self-tapping, **Cannulated Taps** are available and can be used if desired. The color-coding of the Tap sizes corresponds with that of the Screws.



INTERNAL DILATOR

13707001



EXTERNAL DILATOR

13707002



TAP SLEEVE DILATOR GUIDEWIRE ROUNDED Ø 1,5

13719003
15709500



ERISMA-LP NAV CANNULATED TAPS X.XMM

487011xx



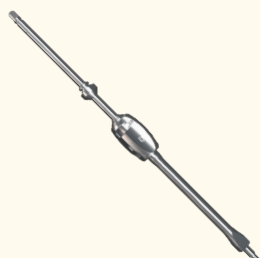
ERISMA-LP NAV SCREWDRIVER

48710003



ERISMA-LP NAV REDUCTION SCREWDRIVER

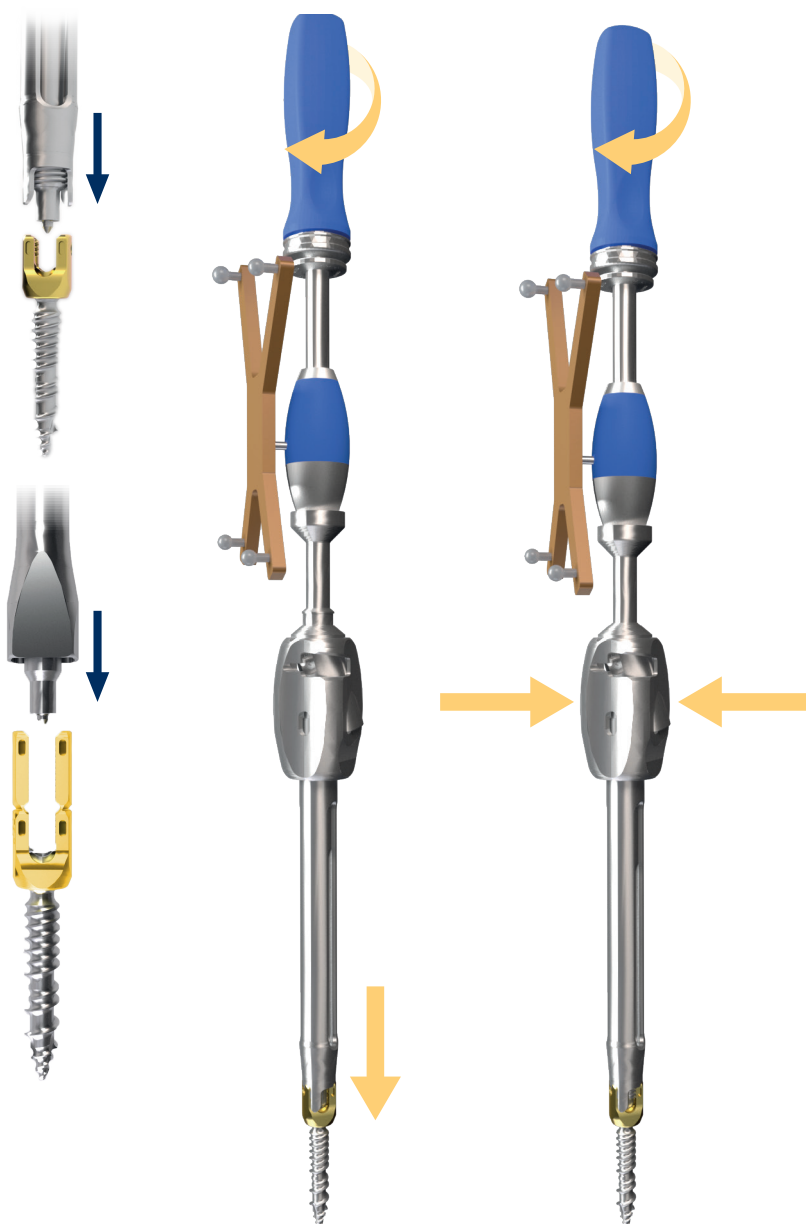
48710005



5 | PEDICLE SCREW PREPARATION

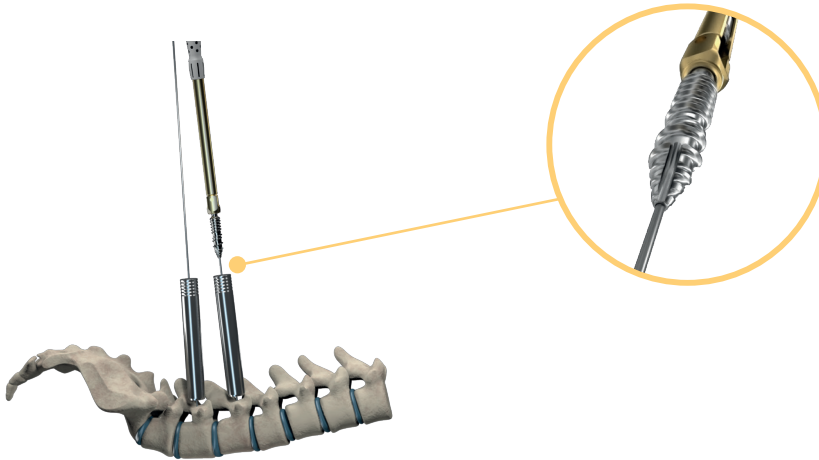
- Attach the selected Pedicle Screw to the Screwdriver, by screwing the threaded part of the Screwdriver into the screwhead.
- Insert the Screwdriver on the screwhead and turn the Handle clockwise in order to attach the Screw.
- Finalize the tightening while holding the metal knob.

Preparation of the Reduction Screwdriver follows the same process as the Screwdriver.



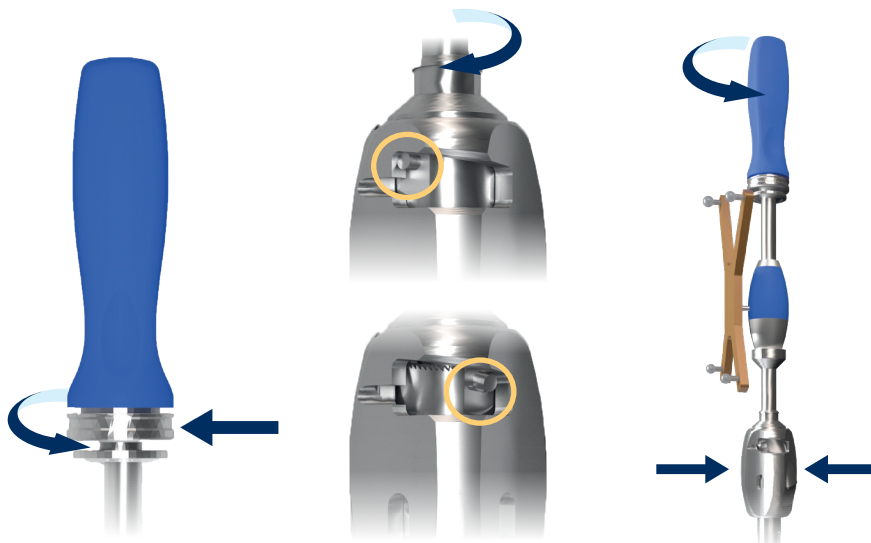
6 | PEDICLE SCREW INSERTION

- Insert the pedicle screw by sliding it over the Guidewire.
- Remove the Guidewire before the Screw is completely inserted using the **Guidewire Remover**. The Guidewire Remover is included in the Erisma-LP MIS standard instruments.



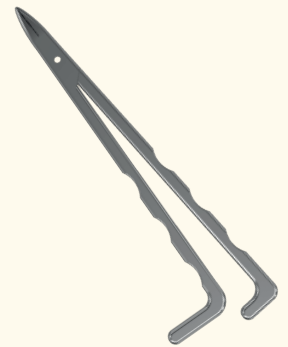
Release the Screwdriver from the screwhead by the following steps:

- Change the ratchet function of the Snap-on Handle to the opposite position by turning the bottom part of the Handle counterclockwise.
- Hold the Snap-on Handle while turning the silver knob clockwise so that the encircled pin slides to the opposite side of the "window".
- Hold the silver knob and disengage the Screw from the Screwdriver by turning the snap-on handle counterclockwise.

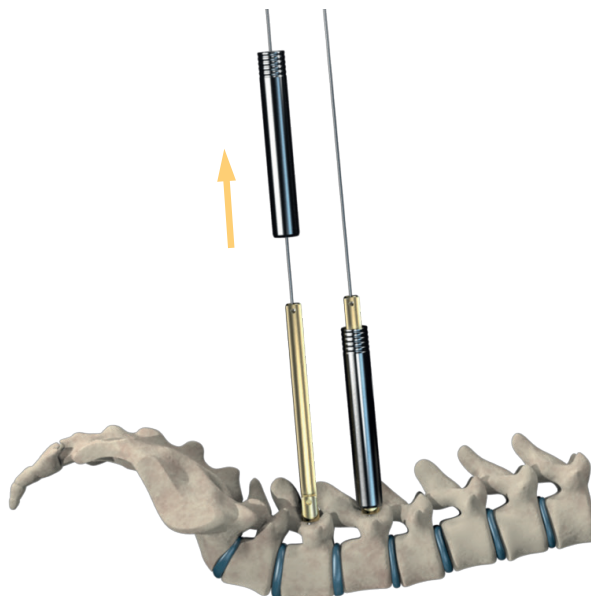


GUIDEWIRE REMOVER

99762001



- Remove the Tap Sleeve Dilators once the Screw has been inserted.



Instruments

ERISMA- LP MIS NAVIGATED INSTRUMENTS



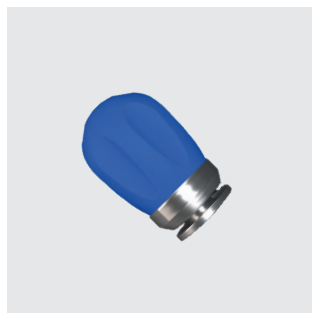
ERISMA-LP NAV TAP D4,5MM-8,5MM

4,5mm	48701045
5,5mm	48701055
6,5mm	48701065
7,5mm	48701075
8,5mm	48701085



ERISMA-LP NAV CANNULATED SCREWDRIVER

48710004



ERISMA-LP NAV PALM HANDLE

99780004



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