



STERN™
FIX Sternal
Stabilization
System

CARBON FIBER
RIGID STERNAL FIXATION

STERN FIX Product Information Kit



Product Information Kit

A comprehensive resource for distributors and sales representatives

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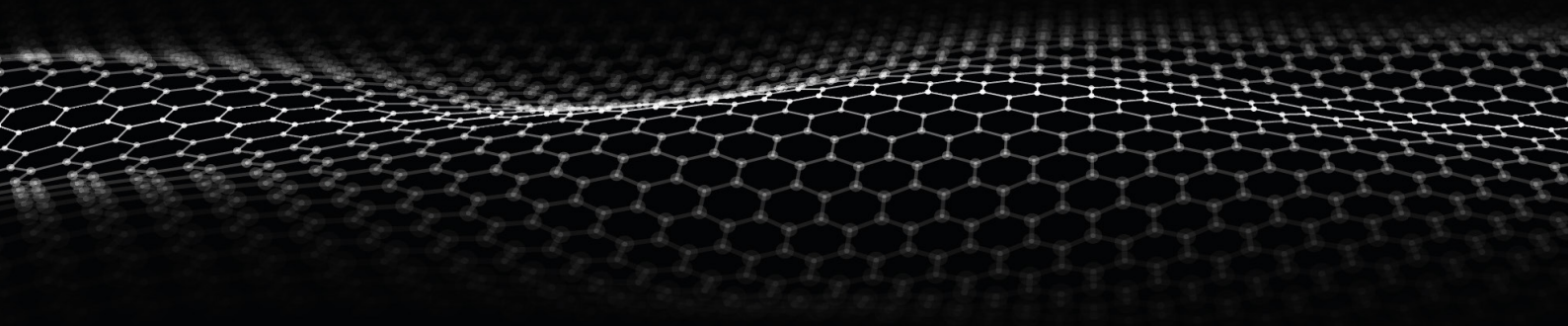
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STERNTM FIX

**Sternal
Stabilization
System**

INTRODUCTION

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NEOS Surgery is an innovative technological company, with offices in Barcelona and San Sebastian, Spain, dedicated to the development, manufacture and commercialization of medical devices in the field of neuro, spine and cardiothoracic.

- **NEOS Surgery** was founded by surgeons, engineers and two R&D centers in 2003.
- **NEOS** team has extensive expertise in working with several biocompatible materials, such as PEEK, Carbon Fiber, Nitinol, etc. and in developing products that must meet the highest technology and continue to set new standards in terms of quality.
- **NEOS Surgery's** continuous mission is to capture the demands of the surgical market to develop innovative products aimed to redefine the gold standard of quality care. Our philosophy is "think out of the box".
- **NEOS's** aim is to meet customer needs through products and services that meet the highest standards of manufacturing quality and technical performance.

NEOS Surgery has gained over the years a wide experience in the use of high-tech biocompatible materials and has become a recognized global leader in custom plastic injection molding providing the most advanced mold building, engineering, and design techniques. Thus, NEOS Surgery has become a leader in the development of surgical implants.

NEOS has extensive expertise in working with high-tech biocompatible materials and a leader in the development of surgical implants.

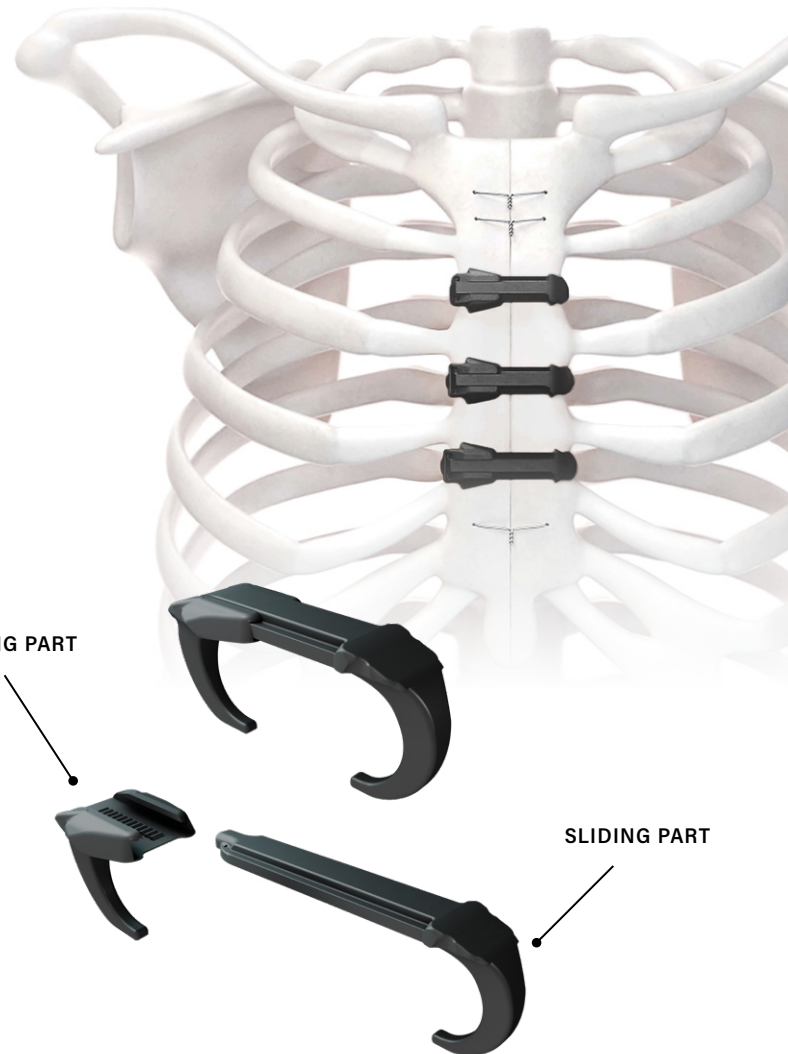
The STERN FIX Sternal Stabilization System is a sternal closure device that provides a rigid fixation of the sternum following a sternotomy procedure to improve patient recovery.

The system consists of two parts connected by a ratchet mechanism, securing the sternum through the embracement of the intercostal spaces.

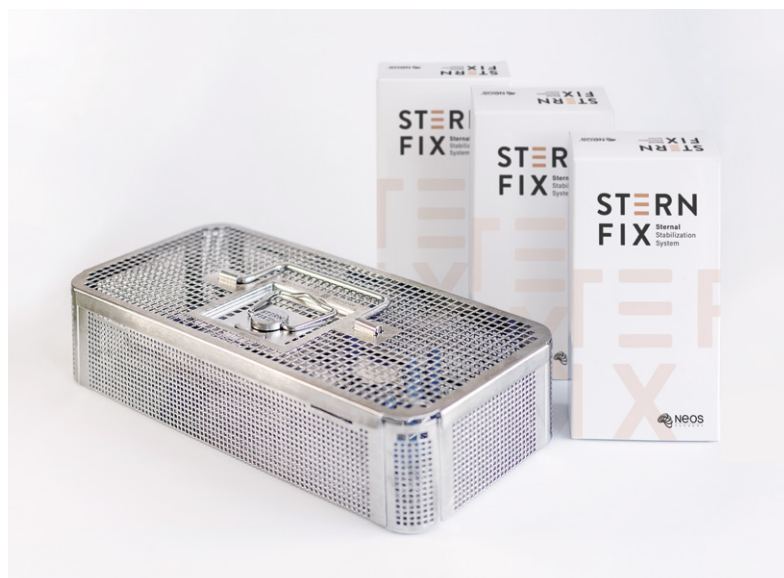
The STERN FIX requires a set of reusable instruments for its implantation.



LOCKING PART

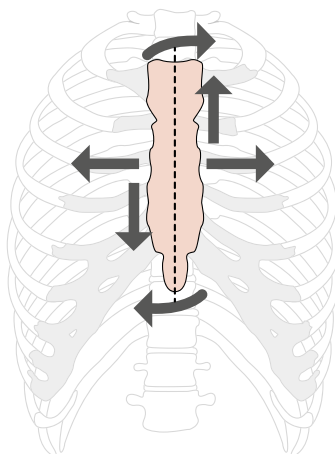


SLIDING PART



KEY BENEFITS

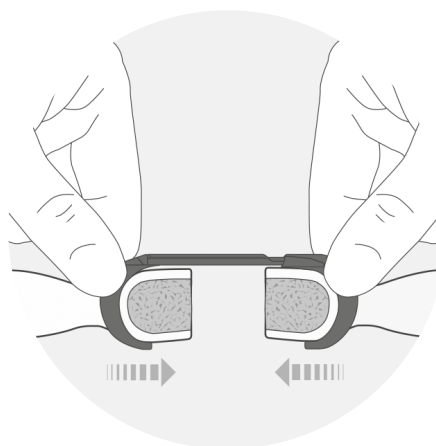
Excellent material for sternal closure: Carbon Fiber matches the cortical bone properties, reducing the bone cut-through.



Multi-axis stability.
Designed to improve patient recovery and to provide continuous compression.

Optimal stability in all three planes.

Intuitive, needle-free application with minimal instruments required.
Quick and safe re-entry using standard wire-cutting tools.



FOR SURGEONS



Multi-Axis Stability

Provides rigid fixation with three-axis stability, ensuring superior sternum alignment and healing.

Simplified Procedure

Intuitive implantation system designed for ease of use. Its quick re-entry feature ensures readiness for emergency operations.

Superior Performance

Needle-free design prevents wire-stick injuries and avoids perforation.

Versatile Application

Suitable for full and hemi-sternotomies. Not bone-dependent, offering reliability for every patient, regardless of bone strength.

FOR PATIENTS



Faster Recovery

Promotes improved healing outcomes and reduces the time to return to normal activities.

Minimized Risk of Complications

Reducing bleeding risks and associated complications.

Enhanced Comfort

A soft-edged design ensures fewer postoperative discomforts compared to traditional metallic systems.

Lower Pain Scores

Rigid fixation reduces micromovement of the sternum, leading to less postoperative pain and greater patient satisfaction.

UNIQUE SELLING PROPOSITION

STERN FIX empowers cardiac surgeons with a reliable, cost-effective solution for sternal closure, enhancing patient outcomes and satisfaction.

COST-EFFECTIVENESS FOR HOSPITALS

Reduces reoperation rates and associated healthcare costs.

Most cardiac surgeons still use wire cerclage for sternal closure due to its low cost. However, alternative techniques are gaining attention, especially for high-risk patients, due to lower complication rates and the high costs of wire-related failures.

STERN FIX offers a cost-effective solution compared to traditional rigid closure systems, providing an affordable alternative to sternal plates, which are often reserved for selective cases due to their high price. Positioned in the price range of cable and band/tape-based systems, STERN FIX allows hospitals to achieve complete sternal closure at a significantly lower cost.

While STERN FIX may slightly increase initial surgical costs, it reduces complication-related expenses, offering long-term cost-effectiveness for hospitals.

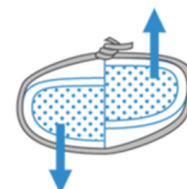
ALIGNED WITH ERAS GUIDELINES

Supports the Enhanced Recovery After Surgery (ERAS) protocols by promoting early patient mobilization and reducing overall recovery time.



"Rigid sternal fixation has benefits in patients undergoing sternotomy and should be especially considered in individuals at high risk"

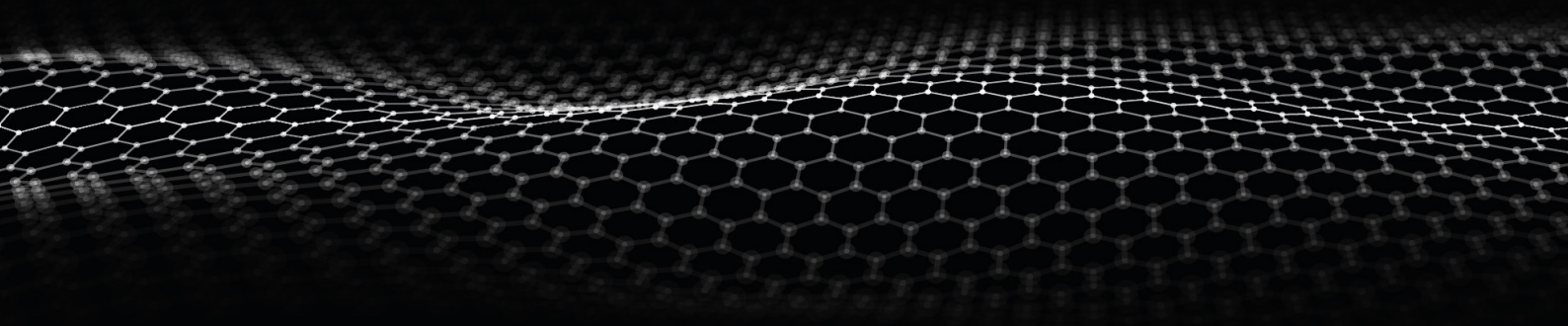
"Wire cerclage achieves approximation and compression but does not eliminate side-by-side movement, and thus rigid fixation is not achieved with wire cerclage"





ADMINISTRATIVE INFORMATION

- 10 Essential regulatory documents
- 12 How to order





1. CE Certificate (G1+G7)

STERN FIX is CE-marked, and the certification consists of Certificate G12 and Certificate G70.

[↔ DOWNLOAD LINK](#)



2. Free Sales Certificate

The Free Sales Certificate confirms that STERN FIX complies with the regulatory requirements for sale within the European Union and can be exported to international markets.

[↔ DOWNLOAD LINK](#)



3. ISO 13485

NEOS Surgery's quality management system for STERN FIX complies with ISO 13485 standards, ensuring consistent design, development, production, sales and distribution of sterile non-active orthopaedic implants.

[↔ DOWNLOAD LINK](#)



4. Electronic Instructions for Use

The e-IFU provides comprehensive, up-to-date instructions for the proper use, handling, and maintenance of STERN FIX, accessible online for convenience and regulatory compliance. It can be downloaded in every available language.

[↔ DOWNLOAD LINK](#)



5. Technical Data Sheet

The Technical Data Sheet for STERN FIX summarizes the product's specifications, features, and technical details. It is available for interested parties in procurement processes and other considerations.

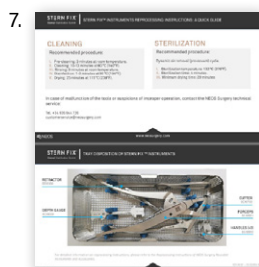
[↔ DOWNLOAD LINK](#)



6. Reprocessing Instructions. Guidelines

The Reprocessing Instructions Guidelines provide detailed guidance on cleaning, disinfecting, and sterilizing NEOS Surgery reusable instruments.

[↪ DOWNLOAD LINK](#)



7. Reprocessing Instructions. Summary

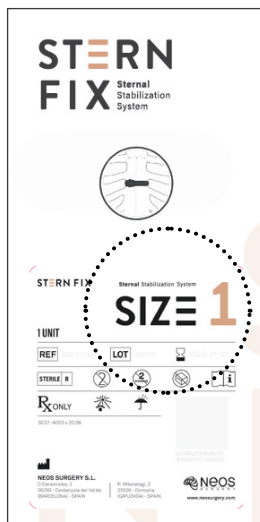
This summary of the Reprocessing Instructions provides an overview of the essential steps for cleaning, disinfecting, and sterilizing NEOS Surgery reusable instruments. For detailed instructions, please refer to the full Reprocessing Instructions Guidelines.

[↪ DOWNLOAD LINK](#)

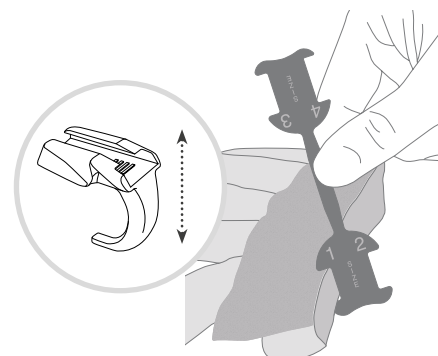
PRODUCT SIZES

Every **STERN FIX** is sold individually
(1 device per box. Sterile double blister).

There are 4 different sizes depending only
on the sternum thickness (9,5-15,5 mm).



	SKU	STERNAL BONE THICKNESS
STERN FIX SIZE 1	SC010111	9,5 - 11 mm
STERN FIX SIZE 2	SC010222	11 - 12,5 mm
STERN FIX SIZE 3	SC010333	12,5 - 14 mm
STERN FIX SIZE 4	SC010444	14 - 15,5 mm



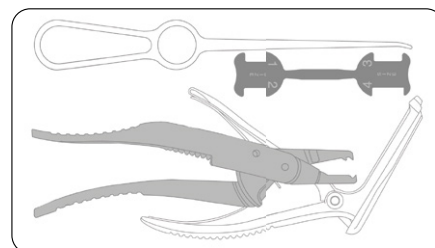
Sizes 1, 2, and 3 are the most commonly used,
while size 4 is used less frequently.

INSTRUMENT SET

COMPLETE KIT

SKU

SCI0600



REPLACEMENT PARTS

SKU

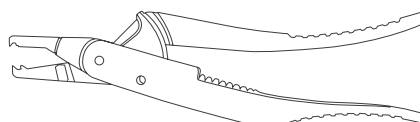
DEPTH GAUGE

SCI0000



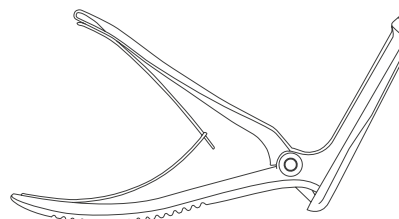
FORCEPS

SCI0501



CUTTER

SCI0700



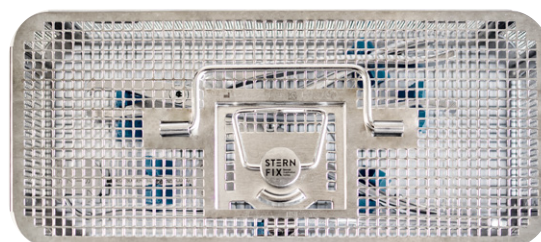
RETRACTOR

SCI0300



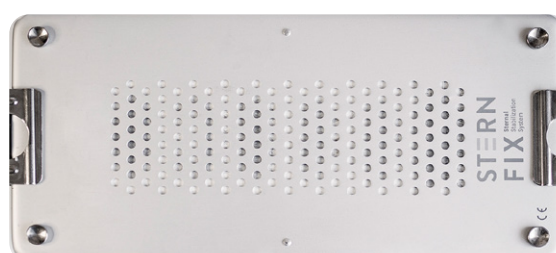
INSTRUMENT TRAY

Y480.06



STERILIZATION CONTAINER

Y410.10A



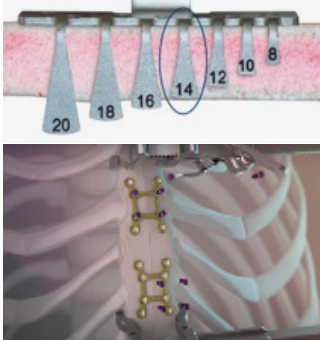
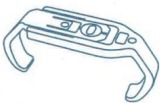


SALES SUPPORT

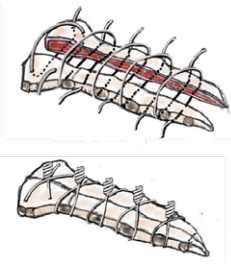
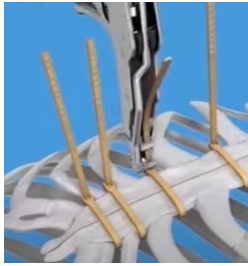
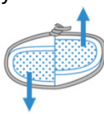
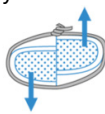
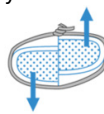
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This section provides an overview of competitors offering both rigid and non-rigid sternal closure solutions. By analyzing their features, benefits, and limitations, it highlights the unique value and differentiation of STERN FIX in the market. This comparison aims to help distributors and sales representatives with essential insights to effectively position STERN FIX against competing products.

STERN FIX VS RIGID FIXATION SYSTEMS

	STERN FIX	PLATES	DRILL-FREE PLATES
FEATURE			
MATERIAL	Carbon Fiber Reinforced PEEK	Titanium	Titanium
IMPLANTATION	 Easy  	 Not easy, complex  	 Not easy  
INSTRUMENTS & SIZES	 Only 4 different product sizes and 3 accessories	A wide variety of plates, screws and instruments available	7 different product sizes and 4 accessories
RE-ENTRY	 Non specific tool: Wire cutter	Specific tool	Specific tool
BONE QUALITY DEPENDENT	 NO	YES, difficult to place in weak sternums.	 NO
HEMI-STERNOTOMY	 YES	Limited compatibility, specific models available	No available data or information provided on compatibility
THREE-AXIS STABILITY	 YES 	Does not eliminate transversal movement 	 YES 
ARTIFACT FREE	 YES	NO	NO

STERN FIX VS NON-RIGID FIXATION SYSTEMS

	STERN FIX	WIRES	CABLE TIE	SUTURE TAPE
FEATURE				
MATERIAL	Carbon Fiber Reinforced PEEK	Stainless Steel	PEEK	UHMWPE and Polyester
IMPLANTATION	✓ Easy 	✓ Easy, traditional method 	✓ Easy 	Not easy 
				
NEEDLE FREE	✓ YES, avoids wire-stick injuries	NO	NO	NO
BLEEDING	✓ Avoids perforation intercostal fascia	May cause perforation of intercostal fascia due to the use of needles, increasing bleeding risk.	May cause perforation of intercostal fascia due to the use of needles, increasing bleeding risk.	May cause perforation of intercostal fascia due to the use of needles, increasing bleeding risk.
BONE QUALITY DEPENDENT	✓ NO	YES Wires can pull through in weak sternums	✓ NO	✓ NO
HEMI-STERNOTOMY	✓ YES	✓ YES, but reduced visibility and difficulties to use the needle	✓ YES, but reduced visibility and difficulties to use the needle	✓ YES, but reduced visibility to work with the loaders and figure-8 configuration
THREE-AXIS STABILITY	✓ YES 	NO, do not eliminate side-by-side movement 	NO, do not eliminate side-by-side movement 	NO, do not eliminate side-by-side movement 
ARTIFACT FREE	✓ YES	NO	✓ YES	✓ YES

CLINICAL EVIDENCE FIXTER CLINICAL STUDY

100% Sternal stability

All patients achieved a completely stable sternum, with a **Score 0** on the Sternal Instability Scale (SIS), indicating maximum stability.

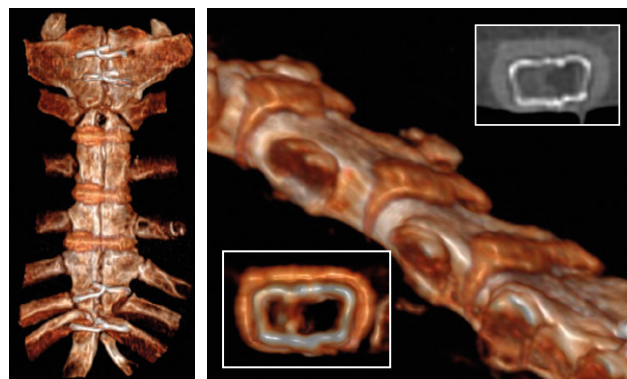
Safe Device

No adverse events. Safe solution even in **high-risk patients** (53% of the total study population).

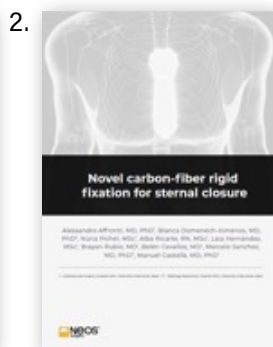
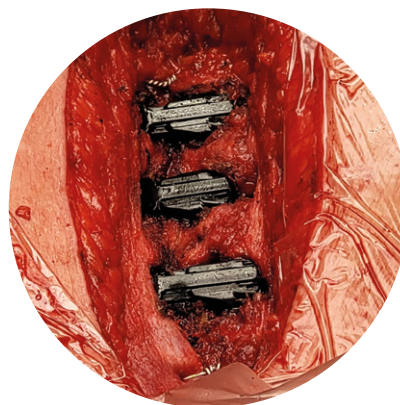
Good patients' outcome:

- Less bleeding compared to wires
- Low pain scores
- No chest protuberances

Easy to implant & to explant



Sternal healing 6 months after surgery was assessed using the Sternal healing Scale¹⁵.



1. ORIGINAL ARTICLE

[↪ DOWNLOAD LINK](#)

2. NOVEL CARBON-FIBER RIGID FIXATION FOR STERNAL CLOSURE

[↪ DOWNLOAD LINK](#)

SURGERY QUICK GUIDE

↔ DOWNLOAD LINK

1. PRODUCT DESCRIPTION

The **STERN FIX** Sternal Stabilization System is a sternal closure device that provides a rigid fixation of the sternum following a sternotomy procedure to improve patient recovery.



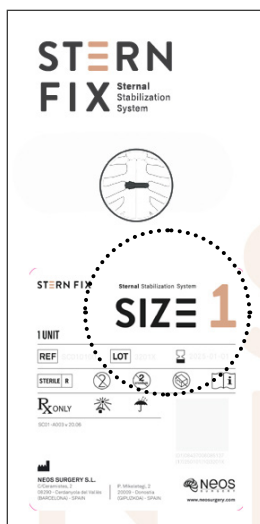
2. PRODUCT SIZES

Every **STERN FIX** is sold individually (1 device per box. Sterile double blister).

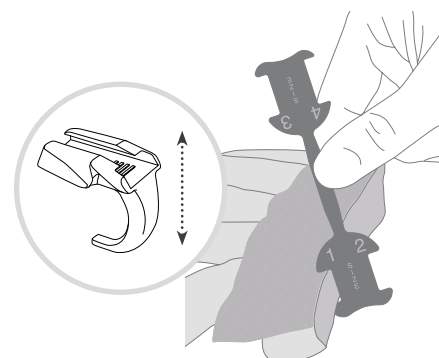
There are 4 different sizes depending only on the sternum thickness (9,5-15,5 mm).

NOTE

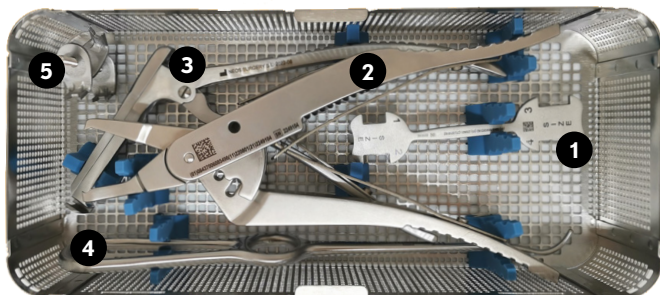
SIZES 1, 2, AND 3 ARE THE MOST COMMONLY USED, WHILE SIZE 4 IS USED LESS FREQUENTLY.



	SKU	STERNAL BONE THICKNESS
STERN FIX SIZE 1	SC010111	9,5 - 11 mm
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3. INSTRUMENTS DESCRIPTION



1 DEPTH GAUGE (SCI0000)

It is used to select the appropriate device size.



2 FORCEPS (SCI0501)

It is used to tighten the device.



3 CUTTER (SCI0700)

It is used to cut the excess segment of the sliding part after the tightening.



4 RETRACTOR (SCI0300)

It is used to ease the introduction of the device in the intercostal spaces.



The **STERN FIX** requires a set of instruments for implantation. The reference number of the complete instrument set (instruments, tray and container) is SCI0600.

5 HANDLES (X3) (SCI0900)

It is used to assist with manipulation when placing and engaging the pieces manually.



INSTRUMENT TRAY (Y480.06) STERILIZATION CONTAINER (Y410.10A)

They are used to clean, sterilize and storage the instruments.



INSTRUMENT TRAY



STERILIZATION CONTAINER

4. IMPLANTATION STEPS

It is recommended to use a minimum of 3 **STERN FIX** devices for optimal stabilization, with the possibility of implanting up to 4 devices as needed. Combine with wires or other sternal fixation systems to ensure complete stabilization and approximation.



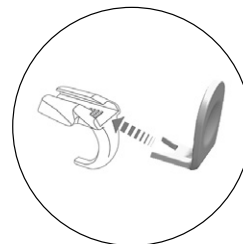
1 Selection of sizes and preparation of the intercostal spaces.

Implant the wires and keep them open. Prepare and expose the intercostal spaces. Use the *depth gauge* to select the appropriate device size.



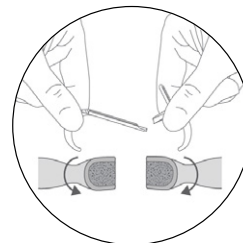
2 Connect the *Handle*.

Insert the *Handle* through the back of the locking part on each device.



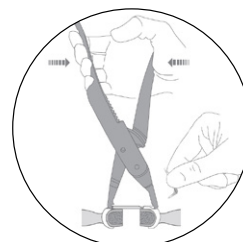
3 Placement of the devices.

Place the sliding and the locking parts of the device on each side of the intercostal spaces and engage them manually. Use the *Handle* to assist with positioning.



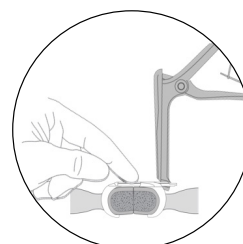
4 Tightening of the devices.

Use the *Forceps* to gradually tighten the devices until they are securely closed and fixed. Discard the handles.



5 Cutting of the tie.

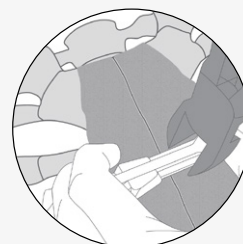
Cut the excess of tie of the sliding part with the *Cutter*. Close the wires.



Explantation procedure.

In case of re-operation, cut the device with a standard wire cutter tool or similar.

Remove the rest of device and particles.



FIRST APPROACH

(2 MINUTES)

Use flyer to present the concept and highlight the main benefits of the product.

During the elevator pitch, proceed to show and explain the implantation process using the surgery overview video. Highlight key steps to demonstrate the simplicity and effectiveness of the procedure.



FLYER



DEMOKIT



OVERVIEW SURGERY VIDEO

GENERAL PITCH

STERN FIX is the only sternal fixation made from Carbon Fiber. It's designed to provide **strength, stability, and simplicity**, especially for high-risk patients. It's an alternative to wires and metal devices because it delivers superior performance and outcomes."

VALUE PROPOSITION

The secret lies in the material—**Carbon Fiber and polymeric structure (reinforced PEEK)**. We choose carbon fiber because it is incredibly strong but lightweight at the same time, combination trusted in many other industries (aerospace, sports, etc). Unlike metal, it closely mimics the properties of natural bone, creating a gentle interface with the sternum. This prevents **bone cut-through**, while ensures a strong fixation around the sternum, what we call **multi-axis stability**. The result? Faster healing, fewer complications, and better recovery for your patients."

Why Choose STERN FIX Over Wires?

"Most cardiac surgeons use wire cerclage for sternotomy closure because of the perceived low rate of sternal wound complications and low cost of wires. But wires have limitations: especially in weaker bones, with the risk of cutting into the bone or in other cases the risk of getting loose or breaking. All this can increase the risk of sternal instability that leads to longer patient recovery, pain and sometimes infections."

Endorsement from ERAS Guidelines

"Did you know the Enhanced Recovery After Surgery (ERAS) Society recommends rigid sternal fixation to promote faster healing and reduce complications? Closing with wires, you get approximation and compression but does not eliminate side-by-side movement, and thus rigid fixation is not achieved. STERN FIX aligns perfectly with these guidelines, ensuring you're providing your patients with the best possible care."

CLOSING STATEMENT

"By switching to STERN FIX, you're not just improving patient outcomes—you're reducing complications and costs, making it a win for both your patients and your practice. Let me show you how easy it is to integrate STERN FIX into your procedures."

FIRST APPROACH WITH IMPLANTATION

(5 MINUTES)

Use sternal model for implantation.

Product implantation in foam base implantation might be more difficult than the sternal model.

Proceed to present the product with the **general pitch** and explaining the value proposition.

“During the elevator pitch, use the sternal model and product samples to demonstrate the implantation process. Highlight the ease of use and key steps, ensuring to show how the product achieves stability and effectiveness.”

Additional information to discuss in case there is more time or interest in the following topics:



FLYER



STERNAL MODEL



INSTRUMENT KIT

MULTI-AXIS STABILITY AND PAIN REDUCTION

“Unlike traditional wire closures, which fail to prevent lateral movement, STERN FIX provides multi-axis stability for a secure and rigid sternal closure. This advanced design reduces the risk of complications like dehiscence and instability.

As shown here, STERN FIX evenly distributes pressure across the sternum, eliminating micro-movements that can cause pain, delay healing, or lead to reoperations—especially in high-risk patients. Our clinical evidence supports this, with patients consistently reporting less pain compared to traditional wires.”

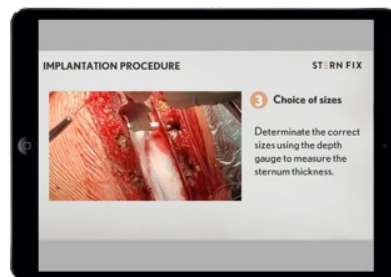
INTUITIVE APPLICATION AND REMOVAL

“STERN FIX is designed for **simplicity and ease of use**. The two-piece system allows for straightforward placement with minimal tools—just a forceps for tightening and a cutter.

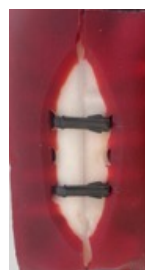
Unlike other metallic solutions, STERN FIX enables **quick re-entry** in the event of reoperation using a standard wire cutter. Plus, it's entirely needle-free, minimizing bleeding risks during and after surgery while providing a safer experience for the surgeon during handling.”

BEFORE THE SURGERY

- Review the **implantation video** to remember the steps of the procedure.
- Share the video with the surgeon via mobile if needed for quick access.
- Use the sternal model to train the surgeon prior to the surgery, if time allows.
- Find the video under the "Resources" section



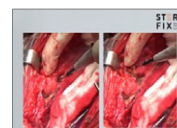
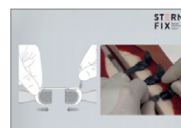
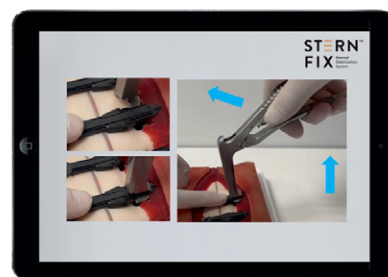
STEP BY STEP IMPLANTATION PROCEDURE VIDEO



STERNAL MODEL

DURING THE SURGERY

- Provide support to the surgeon during the surgery.
- If needed, complement explanations with OR images using an Ipad or similar device (8 images available).
- Find the **OR images** under the "Resources" section.



OR IMAGES

**"We already use wires,
and they work fine."**

Response: "I completely understand – sternal wires have been the standard for decades, and they're certainly effective in many cases. However, the use of wires might present some adverse events in certain patients. For example, issues like dehiscence or chronic pain, particularly in patients with high BMI, osteoporosis, or diabetes.

STERN FIX system isn't about replacing wires altogether; it's about providing you with an advanced tool for your high-risk patients or more complex cases.

Ultimately, it's about patient recovery. The stability provided by STERN FIX accelerates bone healing, reduces chronic pain, and minimizes complications. For patients who need that extra level of care, it can make a big difference.

If you're curious, I'd love to show you how simple it is to use and how it can easily fit into your practice."

**"It's a new system,
how do we ensure our team
can use it effectively?"**

STERN FIX was designed with surgeons and surgical teams in mind, prioritizing ease of use, an intuitive implantation and a short learning curve.

However, we provide product training and ongoing support:

1. Hands-On Workshops: We can arrange training with demo materials that simulate the application and removal steps
2. On-Site Support: A clinical specialist can be present during the first few cases to guide your team through the process.
3. Educational Materials: We also offer step-by-step implantation videos and best surgery cases.

STERN FIX has already been successfully implemented in numerous hospitals, with positive feedback from surgical teams regarding its ease of use and clinical outcomes.

**"How does it compare to
other rigid fixation systems?"**

Response: "STERN FIX stands out for several reasons:

1. Material Advantage: Unlike most rigid fixation systems, which use titanium or other metals, STERN FIX is made from Carbon Fiber reinforced PEEK. This unique material closely matches cortical bone properties, providing gentle interface with the sternum, reducing the risk of bone cut-through.
2. Multi-axis stability: Ensures stability in all three planes. This is superior to some metallic systems that may not provide the same level of enhanced stability (for example: plates only fixate on the upper plane of the sternum and does not prevent lateral movements)"

**"Your system is expensive,
we cannot afford it."**

Response: "I totally understand your concern about cost – it's something every hospital has to carefully consider.

While the upfront cost of STERN FIX may seem higher, it's important to consider the financial burden of sternal wound complications, such as deep sternal wound infections (DSWI), which can significantly increase the cost of care. When these complications occur, hospitals face extended stays, additional surgeries, and more intensive treatments. They are also linked to serious risks, with mortality rates reported to range from 5% to as high as 47%.¹

Our cost analysis shows that by using STERN FIX, hospitals can actually save money.

Let me give you an example:

- The average cost of a CABG surgery is approximately €13.000¹ (*Germany).
- If DSWI occurs, the cost rises to €36.000 per patient (almost 3X higher).^{2, 3, 4}
- For every 100 patients, with a 2.5% DSWI incidence, the total cost for complications is around €90.000.⁴

Using STERN FIX in all 100 patients would cost €60.000 (average 600€ per STERN FIX case)*reference market price in Germany, please check your local selling price. By preventing these complications, the hospital could save approx. €30.000 for every 100 surgeries.

By minimizing complications, hospitals not only save money in the long run but also improve patient outcomes.

If we consider the average cost of a cardiac surgery at your hospital and factor in the potential cost savings from reduced complications, STERN FIX often pays for itself.

Let's review your specific scenario together using the table below as a template:

POSSIBLE HOSPITAL SAVINGS PER 100 PATIENTS

AVERAGE COST OF CABG SURGERY	X EUR
AVERAGE COST OF DSWI	3X EUR
DSWI INCIDENCE	2,5%
DSWI AVERAGE COSTS PER 100 PATIENTS	2,5 * 3X EUR
STERN FIX COSTS PER 100 PATIENTS TO AVOID DSWI INCIDENCE	___ EUR
SAVINGS	___ EUR

1. Feo, M., Renzulli, A., Ismeno, G., Gregorio, R., Corte, A., Utili, R., & Cotrufo, M. (2001). Variables predicting adverse outcome in patients with deep sternal wound infection.. The Annals of thoracic surgery, 71 1, 324-31. [https://doi.org/10.1016/S0003-4975\(00\)02137-8](https://doi.org/10.1016/S0003-4975(00)02137-8).

2. Karolin Graf, Ella Ott, Ralf-Peter Vonberg, Christian Kuehn, Axel Haverich, Iris Freya Chaberny; Economic aspects of deep sternal wound infections, European Journal of Cardio-Thoracic Surgery, Volume 37, Issue 4, 1 April 2010, Pages 893–896, <https://doi.org/10.1016/j.ejcts.2009.10.005>

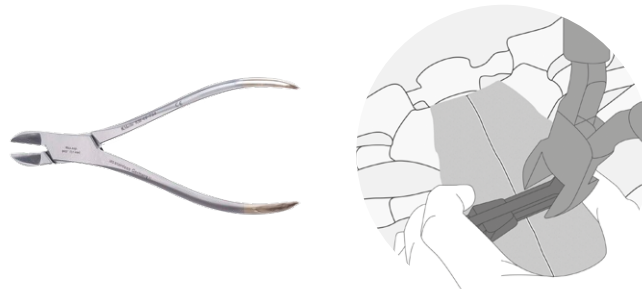
3. Coskun D, Aytac J, Aydinli A, Bayer A. Mortality rate, length of stay and extra cost of sternal surgical site infections following coronary artery bypass grafting in a private medical centre in Turkey. J Hosp Infect. 2005 Jun;60(2):176-9. doi: 10.1016/j.jhin.2004.10.017. PMID: 15866018.

4. Singh K, Anderson E, Harper JG. Overview and management of sternal wound infection. Semin Plast Surg. 2011 Feb;25(1):25-33. doi: 10.1055/s-0031-1275168. PMID: 22294940; PMCID: PMC3140234

FAQ

How STERN FIX can be removed in case of re-operation?

In case of re-operation, STERN FIX can be easily removed using a regular wire cutter.



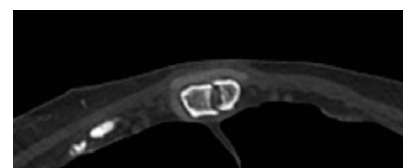
FAQ

STERNFIX profile

CT scans shows that muscular and subcutaneous tissue covers perfectly STERN FIX profile. Even in patients with low BMI, there is enough tissue to cover the implant profile and STERN FIX does not cause any protuberances.



Steel wires in the manubrium.



STERN FIX in the intercostal space number 2.

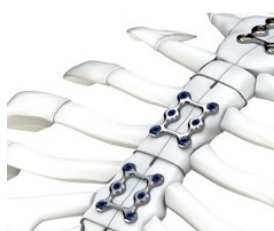
FAQ

Why should we continue using wires with STERN FIX?

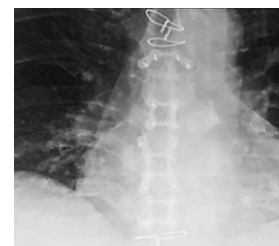
The manubrium and lower parts of the sternum, anatomically do not allow the placement of STERN FIX. Therefore, steel wires are needed to complement STERN FIX closure.

In other systems like plates, it is mandatory the use of wires to approximate the halves of the sternum.

Although using wires, **the stability and fixation given by the STERN FIX in majority of sternum** makes that the complementary wires will not suffer that much stress compared to those used in a complete single wire solution.



Sternal plates and wires



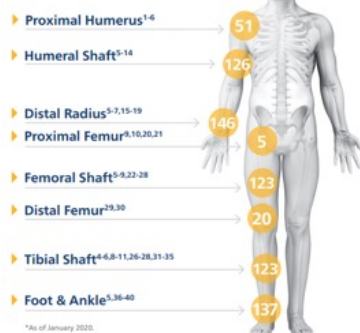
FAQ

Does Carbon Fiber exist in other medical devices?

CLINICAL EXPERIENCE

40 Publications covering 731 Cases*

ANATOMIC LOCATIONS AND NUMBER OF CASES

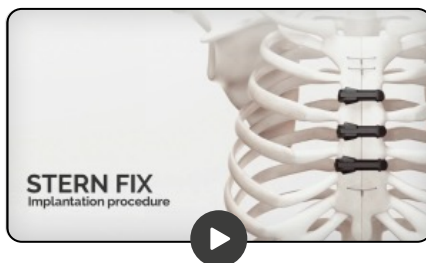


Yes, Carbon Fiber is extensively used in medical devices beyond STERN FIX. We source our Carbon Fiber reinforced PEEK compound from Invibio, a global leader in high-performance polymers for medical applications. Invibio has over 20 years of proven clinical history in fields like orthopedics, trauma, and spine surgery.

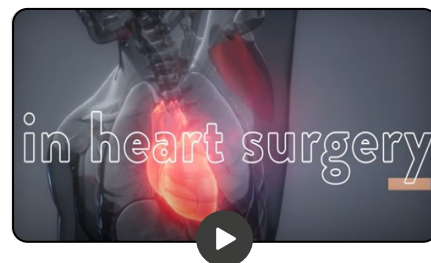
Notable examples of its use include interbody fusion cages, fracture fixation plates, and other load-bearing implants designed to enhance healing in challenging conditions. This material is a trusted alternative to metals, minimizing stress shielding while maintaining structural integrity, making it suitable for a variety of demanding surgical applications.



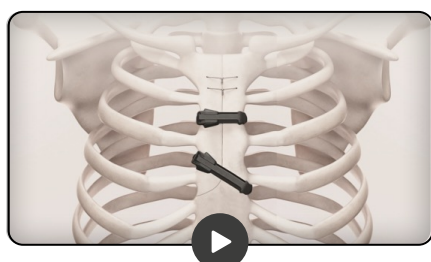
LIVE SURGERY



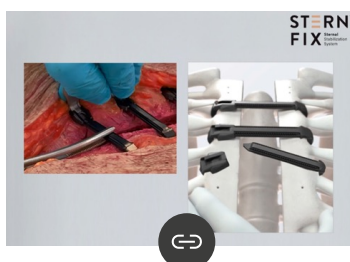
IMPLANTATION STEP-BY-STEP



INSPIRATIONAL



HEMISTERNOTOMY



OR IMAGES



1. MARKETING MATERIALS TO ORDER

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3. BROCHURE STERN FIX

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FIX Sternal
Stabilization
System

**CARBON FIBER
RIGID STERNAL FIXATION**

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