

CLEARFIX



# CLEARFIX RIGID STERNAL FIXATION

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 **CLEARFLOW**  
Distribution Company

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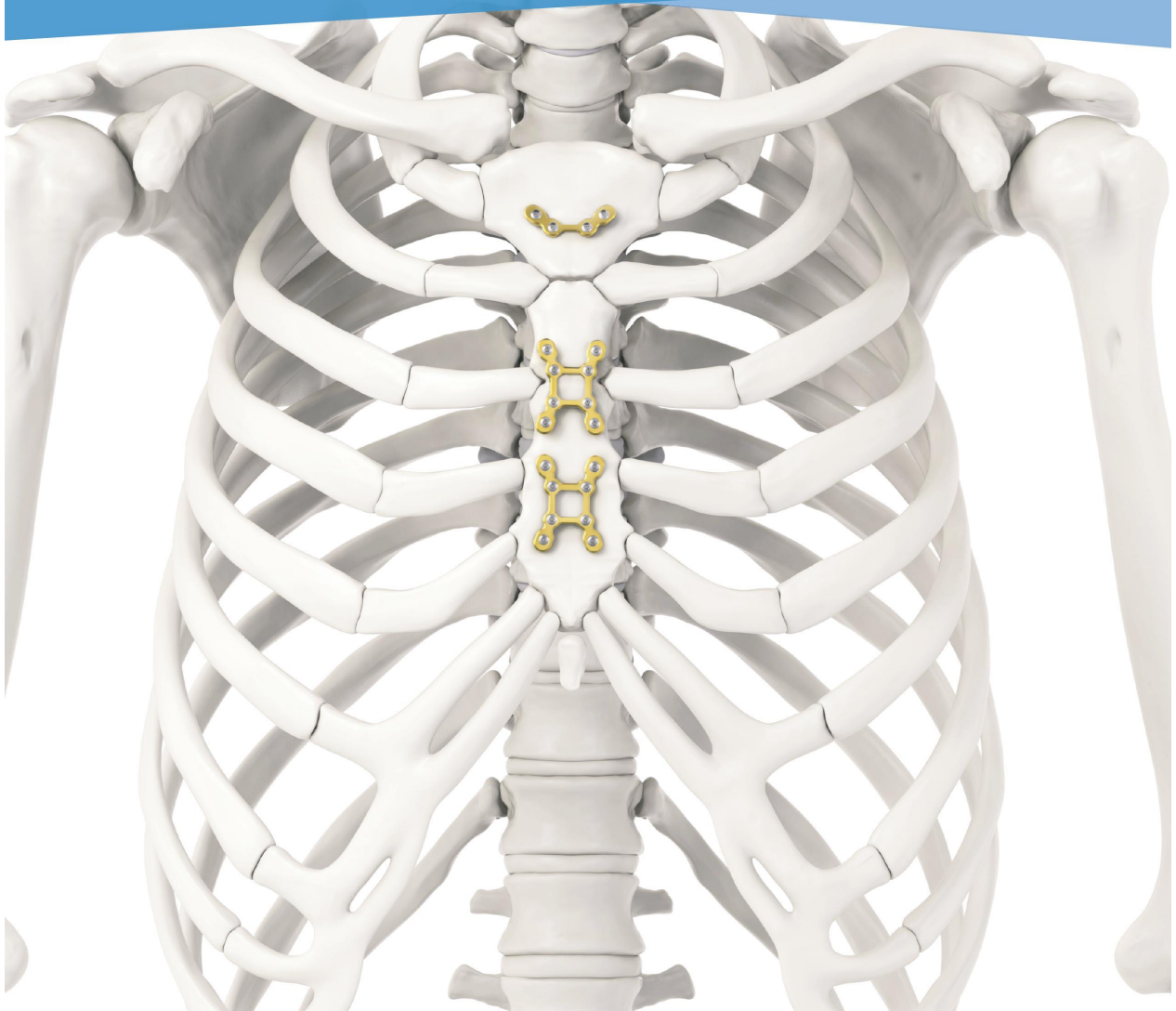


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## INDICATIONS

The ClearFix Rigid Sternal Fixation is intended for use in the stabilization and fixation of fractures of the anterior chest wall including sternal fixation following sternotomy and sternal reconstructive surgical procedures to promote fusion.



## SURGICAL TECHNIQUE

### 1 Measuring Sternal Depth

Measure sternal depth where plate placement will occur. Measure at 3 points (manubrium, body and xiphoid). In the photo, the measuring device indicates that a 14 mm screw length would be recommended for plate placement. The measuring device accounts for the thickness of the plate, so a 14 mm screw would be used in this example.

\*Note, if using a standard ruler to measure the thickness of the sternum, you should use the next highest even numbered length screw to account for the plate thickness. For example a sternal thickness of 8 mm - 9 mm should utilize a 10 mm screw, while a sternal thickness of 10 mm - 11 mm should use a 12 mm screw. Surgeons should always determine screw size based on the patient's anatomy.



### 2 Bone Reduction and Plate Positioning

Wire the manubrium and xiphoid to reduce the top and bottom of the sternum. Complete the full approximation by placing reduction forceps at the mid-body.

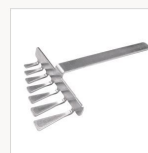


#### Required Set



**ClearFix Rigid  
Sternal Fixation Kit**  
CF-112-107

#### Required Instruments



**Depth Gauge (Mid)**  
CF-111-148



**Bone Reposition  
Forcep (Large)**  
CF-111-154



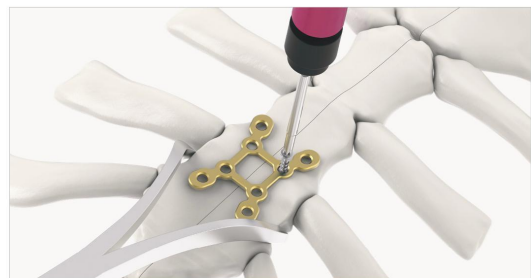
**Bone Reposition  
Forcep**  
CF-111-155

### 3 Fixation of the Plate

Plates are two-sided to facilitate placement. If necessary, bend the plate to match the shape of the bone.

Insert screws into the plate. Using the Power Driver for screw insertion is recommended for quick and efficient surgery.

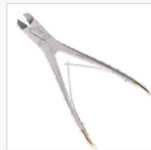
Fully tighten once additional screws are in place by using the screw driver handle.



#### Required Instruments



**Plate Bender**  
CF-26.0240.17



**Plate Cutter**  
CF-111-156



**Torque 40Ncm,  
165 RPM**  
CF-111-ED-051



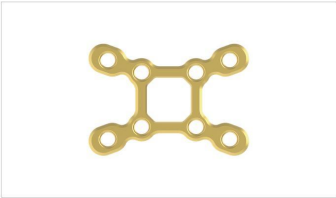
**Screw Driver Handle**  
CF-111-151

ORDERING INFORMATION: PLATES

CLEARFIX RIGID STERNAL FIXATION



**CF-24-LPST-004**  
L  
4 Holes  
1.6 mm  
Gold



**CF-24-XPST-008**  
X  
8 Holes  
1.6 mm  
Gold



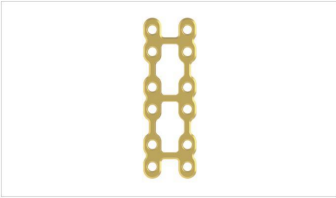
**CF-24-SQST-004**  
Square  
4 Holes  
1.6 mm  
Gold



**CF-24-JLST-008**  
JL  
8 Holes  
1.6 mm  
Gold



**CF-24-STST-004**  
Straight  
4 Holes  
1.6 mm  
Gold



**CF-24-HNST-012**  
Ladder, Narrow  
12 Holes  
1.6 mm  
Gold



**CF-24-STST-008**  
Straight  
8 Holes  
1.6 mm  
Gold



**CF-24-HWST-012**  
Ladder, Wide  
12 Holes  
1.6 mm  
Gold



**CF-24-HSST-008**  
Ladder, Short  
8 Holes  
1.6 mm  
Gold



## ORDERING INFORMATION: SCREWS

# CLEARFIX RIGID STERNAL FIXATION

### Ø 2.4 LOCKING SCREWS

	Code	Length	Color	Set Quantity
	CF-24L-SA-S08-TA	8 mm	Silver	7
	CF-24L-SA-S10-TA	10 mm	Silver	14
	CF-24L-SA-S12-TA	12 mm	Silver	14
	CF-24L-SA-S14-TA	14 mm	Silver	14
	CF-24L-SA-S16-TA	16 mm	Silver	14
	CF-24L-SA-S18-TA	18 mm	Silver	7

### Ø 2.7 LOCKING SCREWS

	Code	Length	Color	Set Quantity
	CF-27L-SA-S08-TA	8 mm	Gold	4
	CF-27L-SA-S10-TA	10 mm	Gold	8
	CF-27L-SA-S12-TA	12 mm	Gold	8
	CF-27L-SA-S14-TA	14 mm	Gold	8
	CF-27L-SA-S16-TA	16 mm	Gold	8
	CF-27L-SA-S18-TA	18 mm	Gold	4

INSTRUMENTS

CLEARFIX RIGID STERNAL FIXATION

HANDLE


		
Code	Description	Set Quantity
CF-111-151	Screw Driver Handle	1

PLATE BENDER



		
Code	Description	Set Quantity
CF-26.0240.17	Plate Bender	2

PLATE CUTTER

		
Code	Description	Set Quantity
CF-111-156	Plate Cutter	1

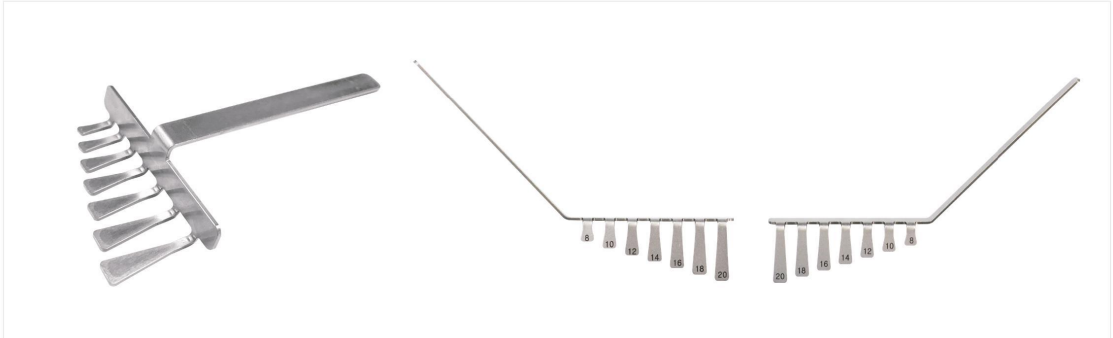




**BONE REPOSITION FORCEP**

		
Code	Description	Set Quantity
CF-111-154	Bone Reposition Forcep (Large)	2
CF-111-155	Bone Reposition Forcep	2


**DEPTH GAUGE**

		
Code	Description	Set Quantity
CF-111-148	Depth Gauge (Mid)	1
CF-111-149	Depth Gauge (Left)	Optional
CF-111-150	Depth Gauge (Right)	Optional


ORDERING INFORMATION: INSTRUMENTS

CLEARFIX RIGID STERNAL FIXATION

DRIVER


		
Code	Description	Set Quantity
CF-113-HF-613	Driver for T8 Φ3 Standard 70mm Ball	1
CF-113-HF-624	Driver for T8 Φ3 Standard 50mm Ball	1

FORCEPS

		
Code	Description	Set Quantity
CF-111-038	Plate Holding Forcep	1
CF-114-009	Plate Holding Forcep	1



POWER DRIVER

		
Code	Description	Set Quantity
CF-111-ED-050	Torque 45Ncm, 210 RPM	Optional
CF-111-ED-051	Torque 40Ncm, 165 RPM	Optional

KIT

		
Code	Description	Set Quantity
CF-112-107	ClearFix Rigid Sternal Fixation Kit (Includes Inner Tray)	1

## CLEARFIX RIGID STERNAL FIXATION SET CONFIGURATION

### PLATES (NON-STERILE)

No.	Code	Description	Set Quantity
1	CF-24-LPST-004	L Plate, 4 Holes, T=1.6mm, Bridge=2.4mm, Gold	3
2	CF-24-SQST-004	Square Plate, 4 Holes, T=1.6mm, Bridge=2.4mm, Gold	3
3	CF-24-HSST-008	Ladder Plate, Short, 8 Holes, T=1.6mm, Bridge=2.4mm, Gold	3
4	CF-24-STST-004	Straight Plate, 4 Holes, T=1.6mm, Bridge=2.4mm, Gold	3
5	CF-24-STST-008	Straight Plate, 8 Holes, T=1.6mm, Bridge=2.4mm, Gold	3
6	CF-24-XPST-008	X-Plate, 8 Holes, T=1.6mm, Bridge=2.4mm, Gold	3
7	CF-24-JLST-008	JL Plate, 8 Holes, T=1.6mm, Bridge=2.4mm, Gold	3
8	CF-24-HWST-012	Ladder Plate, Wide, 12 Holes, T=1.6mm, Bridge=2.4mm, Gold	3
9	CF-24-HNST-012	Ladder Plate, Narrow, 12 Holes, T=1.6mm, Bridge=2.4mm, Gold	3

### SCREWS (NON-STERILE)

No.	Code	Description	Set Quantity
1	CF-24L-SA-S08-TA	Ø2.4 Screw, 8mm, Self-Drilling, Cancellous, Locking, Starix	7
2	CF-24L-SA-S10-TA	Ø2.4 Screw, 10mm, Self-Drilling, Cancellous, Locking, Starix	14
3	CF-24L-SA-S12-TA	Ø2.4 Screw, 12mm, Self-Drilling, Cancellous, Locking, Starix	14
4	CF-24L-SA-S14-TA	Ø2.4 Screw, 14mm, Self-Drilling, Cancellous, Locking, Starix	14
5	CF-24L-SA-S16-TA	Ø2.4 Screw, 16mm, Self-Drilling, Cancellous, Locking, Starix	14
6	CF-24L-SA-S18-TA	Ø2.4 Screw, 18mm, Self-Drilling, Cancellous, Locking, Starix	7
7	CF-27L-SA-S08-TA	Ø2.7 Emergency Screw, 8mm, Cancellous, Locking, Starix	4
8	CF-27L-SA-S10-TA	Ø2.7 Emergency Screw, 10mm, Cancellous, Locking, Starix	8
9	CF-27L-SA-S12-TA	Ø2.7 Emergency Screw, 12mm, Cancellous, Locking, Starix	8
10	CF-27L-SA-S14-TA	Ø2.7 Emergency Screw, 14mm, Cancellous, Locking, Starix	8
11	CF-27L-SA-S16-TA	Ø2.7 Emergency Screw, 16mm, Cancellous, Locking, Starix	8
12	CF-27L-SA-S18-TA	Ø2.7 Emergency Screw, 18mm, Cancellous, Locking, Starix	4



**INSTRUMENTS**

No.	Code	Description	Set Quantity
1	CF-111-ED-050	Torque 45Ncm, 210 RPM	Optional
2	CF-111-ED-051	Torque 40Ncm, 165 RPM	Optional
3	CF-111-038	Plate Holding Forcep	1
4	CF-111-154	Bone Reposition Forcep (Large)	2
5	CF-111-155	Bone Reposition Forcep	2
6	CF-111-156	Plate Cutter	1
7	CF-26.0240.17	Plate Bender	2
8	CF-111-148	Depth Gauge (Mid)	1
9	CF-113-HF-613	Driver for T8 Ø3 Standard 70mm Ball	1
10	CF-113-HF-624	Driver for T8 Ø3 Standard 50mm Ball	1
11	CF-114-009	Plate Holding Forcep	1
12	CF-111-151	Screw Driver Handle	1
13	CF-112-107	ClearFix Rigid Sternal Fixation Kit (Includes Inner Tray)	1
14	CF-111-149	Depth Gauge (Left)	Optional
15	CF-111-150	Depth Gauge (Right)	Optional

## ABOUT CLEARFLOW DISTRIBUTION COMPANY

ClearFlow Distribution Company helps cardiac surgery professionals improve outcomes and advance healing through sustainable medical technologies that protect a patient's quality of life.

We believe that there is nothing more beautiful than getting patients back home to their lives and their loved ones faster.



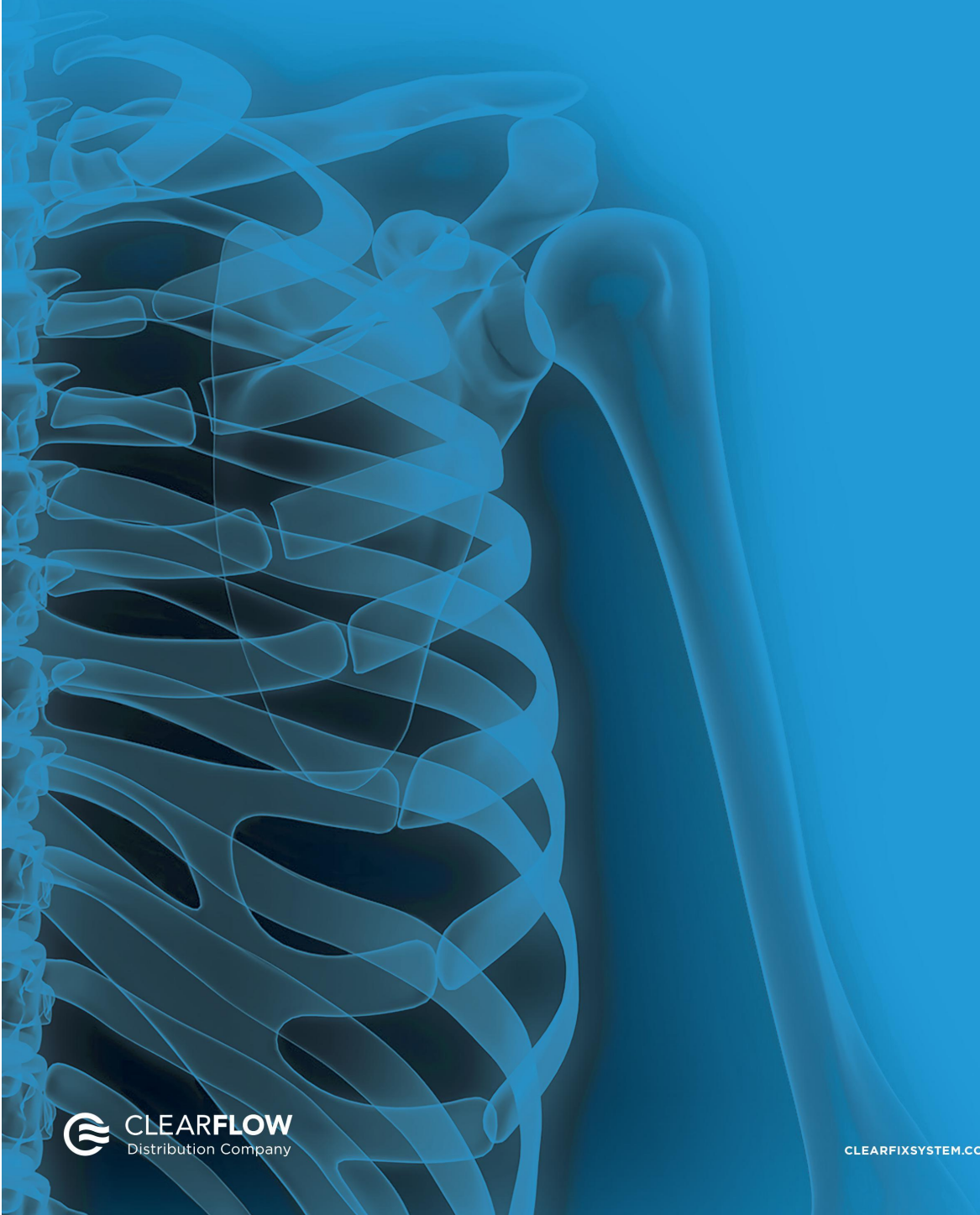


**Recovery is Beautiful®**

You help make it even more so.



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