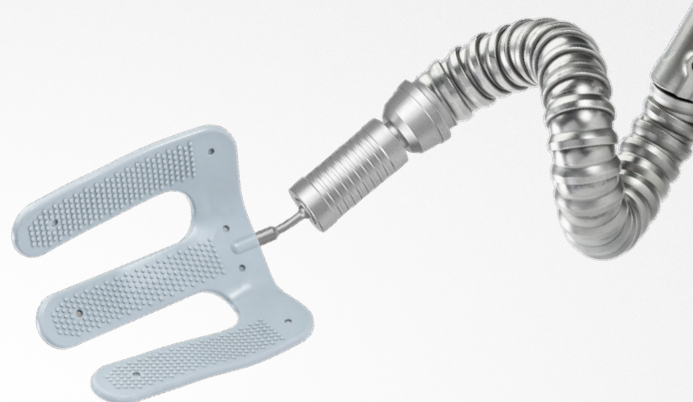


Beating Heart and Surgical Stabilization

Product Portfolio

Holding a higher standard.



Introducing

FLEX

The new Flex beating heart and surgical stabilization products hold a higher standard for multifunctional performance during cardiac surgery.

Herc Flex™ Universal Stabilizer Arm

Lighter weight. Reusable. Exceptionally strong.

Cost effective

Reusable stainless steel reduces supply costs and environmental impact.

Low profile

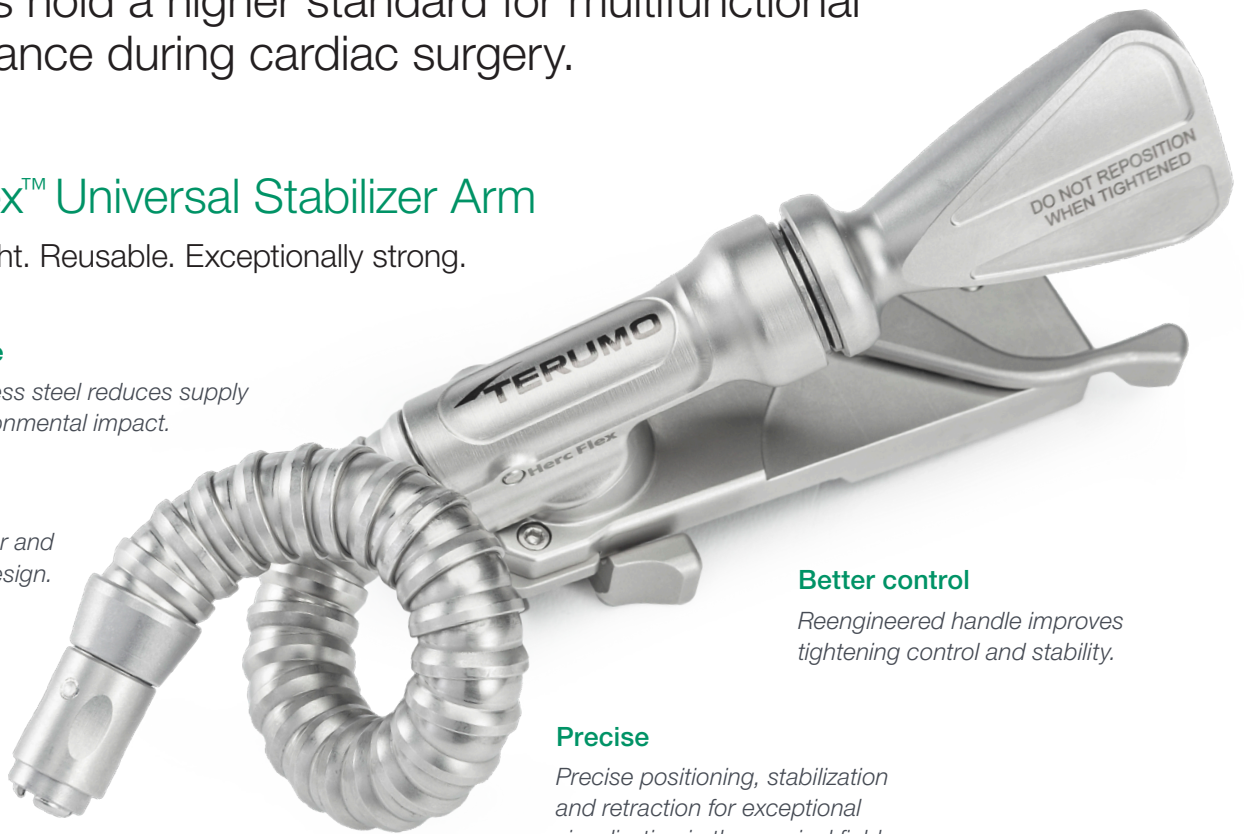
Smaller diameter and lighter weight design.

Better control

Reengineered handle improves tightening control and stability.

Precise

Precise positioning, stabilization and retraction for exceptional visualization in the surgical field.



Attachment Quick Connect

Disposable attachments connect with ease to the shaft or ball style quick connect ports.



Shaft Quick Connect



Ball Quick Connect

Attachments	Stabilizer Arm	
	Herc Flex™ 360 & Hercules™ 360	Herc Flex™ & Hercules™ 3
Atlas™ Positioner (T401261)		•
Atlas™ 360 Positioner (T401261U)	•	
Titan™ Flex Stabilizer (T401232)		•
Titan™ Flex 360 Stabilizer (T401232U)	•	
Titan™ Stabilizer, Titan™ Stabilizer LS (T401231, T401231LS)		•
Titan™ 360 Stabilizer (T401231U)	•	
Stabilizer II, Stabilizer II LS (T401244, T401245)		•
Assistant™ (T401209S, T401210S, T401211S, T401212S)		•
Assistant™ Flex (T401213S, T401214S)		•

Assistant™ Flex Attachment with StableSoft™ Technology

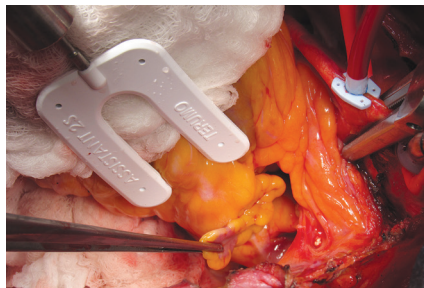
Used most often during on-pump Coronary Artery Bypass Grafting (CABG), the Assistant Flex and Assistant attachments allows the surgeon to position the heart optimally and securely.

The Assistant Flex features enhanced malleable zones at the base of the device that allow for more custom configurations and precise contouring. The textured, silicone-coated surface provides exceptional grip and stability.

These attachments are ideal for:

- On-pump CABG
- Lung transplant
- Aortic aneurysm
- Myomectomy
- Thoracoabdominal procedures
- Ablation
- Internal mammary harvest
- Transmyocardial revascularization
- AVR/MVR

CABG Preparation

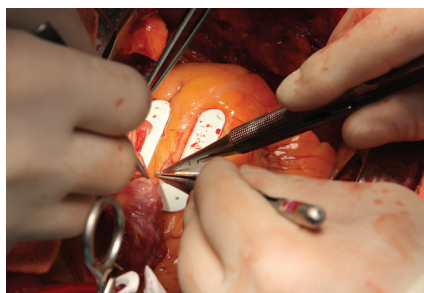


Exposure of the circumflex coronary artery and its obtuse marginal branches in preparation of an anastomosis.



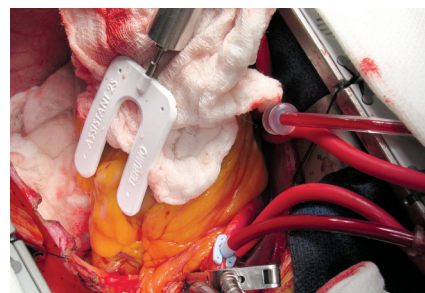
The heart is rotated to the left and supported by the Assistant attachment to expose the mid-portion of the right coronary artery for an anastomosis procedure.

CABG Procedure



The heart is positioned to provide optimal exposure for a distal anastomosis of the left internal mammary artery to the left anterior descending coronary artery.

LAA Procedure



Exposure of the left atrial appendage for a LAA procedure.

Malleable fingers with a textured surface ensure consistent stabilization for various anatomical shapes.



The 3-finger Assistant™ Flex Stabilizer with StableSoft™ Technology comes in long and short lengths.

Herc Flex™ Stabilizer Arm

Beating Heart and Surgical Stabilization Products

Work smarter without skipping a beat.

Terumo products offer the surgeon the most versatile combination of strongest stabilization, lowest profile, and easy positioning in a unique, environmentally friendly solution.

Stabilizers Arms



Herc Flex™ and Hercules™ Stabilizing Arms

Reusable stabilizer arms provide a core platform for OPCAB stabilizers and surgical stabilization products. The durable stainless steel construction can be processed for reuse, making it a cost effective and value driven solution.

Herc Flex™ 360 and Hercules™ 360 allows full 360-degree, low-profile articulation to maximize vessel access and stabilization.

Attachments for OPCAB



Atlas™ Positioner

The Atlas is used to position the apex of the heart and ensure stabilization during beating heart surgery. Atlas Positioner's advanced vacuum stabilization and dynamic tissue adherence combine to minimize tissue trauma. The full 360-degree articulation and minimum vacuum requirements provide secure, optimal positioning.



Titan™ Flex and Titan™ Stabilizers

Stabilizers provide optimal positioning, stabilization and coronary artery isolation during beating heart surgery. Titan Flex and Titan Stabilizers offer dynamic tissue adherence, micro-footprint vacuum compression and 360-degree articulating malleable metal design for maximum functionality and flexibility.



Attachments for Surgical Stabilization



Assistant™ Flex and Assistant Attachment with StableSoft™ Technology

The Assistant Flex and Assistant Attachments offer positive positioning and retraction during a variety of surgical procedures where a person's hand is traditionally needed.

The malleable fingers come with a textured surface area for added grip. Options include 2- and 3-fingers, long and short lengths.



The Herc Flex and Hercules Stabilizing Arms mount easily onto the Apollo Sternal Retractor System.

Sternal Retractors



Apollo™ Sternal Retractor System

This system comes complete with four different blade sets and a pair of locking plates to hold the retractor blades securely in place.



Artemis Retractor

Provides minimally invasive access for cardiac surgery. The system comes complete with three interchangeable blade sets and a low profile design to accommodate various patient anatomies and procedures.

Retractors Accessories



Universal Stabilizer Arm Clamp

Reusable stainless steel, forward and rearward mount provides a platform for the Herc Flex and Hercules Stabilizing Arms to attach to an Ankeney Type Retractor.



Blow Mister

Single use sterile wand with malleable extension tip, tubing and filter for CO₂ and saline administration to keep surgical field clear.



Suture Holder Inserts

Disposable inserts slide into a variety of sternal retractors to place tension on the sutures.

Ordering Information

Stabilizer Arms		
Catalog #	Description	Units/Case
T401160	Hercules™ 360 Stabilizing Arm, Universal: Top mount, 360-degree rotation, reusable stainless steel	1
T401161	Hercules™ 3 Stabilizing Arm, Universal: Top mount, reusable stainless steel	1
T401162	Herc Flex™ 360 Stabilizing Arm, Universal: Top mount, low profile, 360-degree rotation, reusable stainless steel	1
T401163	Herc Flex™ Stabilizing Arm, Universal: Top mount, low profile, reusable stainless steel	1

Attachments		
Catalog #	Description	Units/Case
T401261	Atlas™ Positioner Attachment: Single use, dynamic tissue adherence to the apex of the heart ensures stabilization on beating heart; vacuum stabilization minimizes tissue trauma	5
T401261U	Atlas™ 360 Positioner Attachment: Single use, 360-degree articulation, with dynamic tissue adherence to the apex of the heart ensures stabilization on beating heart; vacuum stabilization minimizes tissue trauma	5
T401232	Titan™ Flex Stabilizer: Single use, suction, enhanced malleable footprint	5
T401232U	Titan™ Flex 360 Stabilizer: Single use, suction, 360-degree articulation maximizes vessel and stabilization, enhanced malleable footprint	5
T401231	Titan™ Stabilizer: Single use, suction, malleable footprint	5
T401231U	Titan™ 360 Stabilizer, with ball attachment: Single use, suction, 360-degree articulation maximizes vessel access and stabilization; malleable footprint	5
T401231LS	Titan™ Stabilizer, LS: Single use, long shaft, malleable footprint	5
T401244	Stabilizer II with StableSoft™ Technology: Single use, non-suction/mechanical malleable footprint	5
T401245	Stabilizer II with StableSoft™ Technology, LS: Single use, non-suction/mechanical malleable footprint, long shaft	5
T401209S	Assistant™ Attachment with StableSoft™ Technology, 3L: Single use, malleable, three fingers, long	5
T401210S	Assistant™ Attachment with StableSoft™ Technology, 3S: Single use, malleable, three fingers, short	5
T401211S	Assistant™ Attachment with StableSoft™ Technology, 2L: Single use, malleable, two fingers, long	5
T401212S	Assistant™ Attachment with StableSoft™ Technology, 2S: Single use, malleable, two fingers, short	5
T401213S	Assistant™ Flex Attachment with StableSoft™ Technology, 3L: Single use, fully malleable, three fingers, long	5
T401214S	Assistant™ Flex Attachment with StableSoft™ Technology, 3S: Single use, fully malleable, three fingers, short	5
T402210	MicroSurge® BlowMister	5

Sternal Retractors and Accessories		
Catalog #	Description	Units/Case
T400401	Apollo™ Retractor System: Includes retractor with one set of reusable stainless steel blank inserts and four sets of reusable stainless steel blades (sized width by depth): 100 mm x 30 mm, 100 mm x 40 mm, 30 mm x 30 mm, 30 mm x 40 mm.	1
T400402	Artemis Small Incision Retractor System: Includes Parallel thoracotomy retractor and three sets of reusable stainless steel blades (sized width by depth): 40 mm x 30 mm, 40 mm x 50 mm, 40 mm x 70 mm.	1
T400161	Apollo Retractor Blades (sized width by depth) 100 mm x 30 mm	Set of 2
T400162	Apollo Retractor Blades (sized width by depth) 100 mm x 40 mm	Set of 2
T400163	Apollo Retractor Blades (sized width by depth) 30 mm x 30 mm	Set of 4
T400164	Apollo Retractor Blades (sized width by depth) 30 mm x 40 mm	Set of 4
T400165	Apollo Retractor Locking Plates, stainless steel	Set of 2
T401270	Holder, suture inserts: Single use, inserts into Apollo retractor	5
T401701	Universal Stabilizer Arm Adaptor Clamp (for Ankeney type retractor): Reusable stainless steel, forward and rearward mount onto Ankeney retractor (Ankeney retractor not included)	1



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