



## Product Overview



# CAPRI

## Corpectomy Cage System



# Introduction

## SYSTEM OVERVIEW

The CAPRI™ Corpectomy Cage System provides an innovative solution for stabilization of the spine in cases of vertebral body resection resulting from trauma or tumor. Offered in various footprint options, this versatile system allows for in-situ height expansion and endplate angulation.

### Features & Benefits

- Facilitates multiple approaches, allowing surgeons to implant the CAPRI Corpectomy Cage from either an anterior, lateral, or posterior-lateral position, based on patient needs
- Controlled continuous height expansion & adjustment, along with adjustable in-situ endplate angulation, provides an optimal cage fit
- Interchangeable footprints for customized footprint combinations based on patient anatomy
- Streamlined instrumentation for efficient assembly & surgical use

### Key Selling Features: How to Handle Common Clinical Issues

- Difficulty matching vertebral endplate angulation

***Adjustable in-situ endplate angulation allows for continuous adjustment between -20° & +20°. It also provides angulation on the bottom of the housing in 0°, 10°, & 20° options.***

- Difficult implant placement due to system constraints

***The CAPRI cage allows for insertion from multiple approaches & is offered in multiple footprint & height options for a comprehensive offering to accommodate varying patient anatomy.***

- Impaired visualization due to bulky instrumentation

***The CAPRI Corpectomy Cage System features low-profile, streamlined instrumentation that allows for improved visualization during implant placement & height/endplate angulation adjustments.***



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## TARGET SEGMENT: SURGEONS

### Trauma

Trauma cases are unexpected and unpredictable. CAPRI has a robust set of implant offerings, endplate angulation, and approach options for many trauma cases allowing for surgical case decisions.

### Tumor

Many tumor cases are done via posterior approach and require expandable cages. As a result, CAPRI fulfills this need via posterolateral approach options and expansion capabilities.

## TARGET SEGMENT: APPROACH

### Anterior

The CAPRI Corpectomy Cage is designed to accommodate an anterior approach by using anterior insertion points to implant the cage.

### Lateral (Transpsoas, Retropleural)

The CAPRI Corpectomy Cage System has been designed to work in conjunction with the RAVINE® Lateral Access System to provide a comprehensive offering for the lateral approach. The RAVINE Complex Retractor fixates directly to the spine and features a dual blade platform for a true muscle splitting technique.

### Posterior (Costotransversectomy, Transpedicular, Extracavitary)

The CAPRI Cage Inserter has been designed with a low profile to assist in placement of the cage through a posterior approach. An alternative insertion method is also available utilizing the Trial Shaft threaded directly into the cage for an even lower profile option during initial placement of the cage.



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## OBJECTIONS

- How can I pack additional bone graft into the cage after expansion?  
***Graft windows located on the external housing of the cage allow access to pack additional bone graft material into the cage after it has been expanded. A Bone Graft Funnel and Bone Graft Pusher are included in the system to aid in packing.***
- Angled instrumentation is not provided to assist with posterior cage insertion.  
***The two posterior insertion points on the CAPRI Corpectomy Cage are positioned 40° off midline to assist in positioning of the cage through a posterior approach.***
- I'm concerned about the cage collapsing.  
***As required for FDA clearance, the CAPRI Corpectomy Cage has passed an array of mechanical tests including compression and torsion, without any loss of cage height.***
- How does the locking mechanism work?  
***A locking screw is used to lock the cage once the desired height and angulation have been achieved. The Torque-Limiting Handle is used to tighten the locking screw to 48 in-lbs to ensure the cage is locked.***
- Is it possible to remove the Inserter if intraoperative fluoroscopy is desired?  
***Yes, it is possible to remove the Inserter by unthreading the Inserter Inner Shaft from the cage. Furthermore, if additional adjustments are desired to either the cage height or endplate angulation, it is possible to do so without needing to reattach the Inserter. For instructions, please refer to the CAPRI Corpectomy Cage System Surgical Technique Guide.***
- It's expensive.  
***The CAPRI Corpectomy Cage System offers unique features that differentiates it from other corpectomy cage systems on the market, including:***
  - ***Adjustable in-situ endplate angulation & cage height expansion***
  - ***Facilitates multiple approaches***
  - ***Low-profile, streamlined instrumentation***



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## PRODUCT POSITIONING:







### How CAPRI Addresses Common Issues with Competitive Systems

- Endplate angulation misalignment  
***CAPRI offers adjustable endplate angulation, with the ability to continuously adjust the angulation of one endplate from -20° to +20°.***
- Weak interface between modular endplates  
***Featuring built-in endplates, no assembly is required to incorporate endplates into the CAPRI Corpectomy Cage.***
- Locking the implant  
***CAPRI simplifies the set screw locking process by providing streamlined instrumentation, including an Anti-Torque Handle and a Torque Limiting Handle.***
- Bulky instrumentation  
***CAPRI's low-profile instrument design and alternative insertion options allow for improved visualization of anatomy over some competitor systems.***
- Incremental height expansion  
***CAPRI has the ability to continuously expand the height of the cage through its threaded expansion mechanism.***




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## COMPETITIVE ANALYSIS

	K2M	Depuy	Globus			
	CAPRI	XRL	Xpand	Xpand-R	FORTIFY®	FORTIFY® I
						
<b>Material</b>	Titanium	PEEK	Titanium	PEEK	PEEK, Titanium	PEEK, Titanium
<b>Approach</b>	Anterior, Lateral, Posterior	Anterior, Anterolateral, Lateral, Posterior	Anterior, Anterolateral, Lateral	Anterior, Anterolateral, Lateral	Anterior, Anterolateral, Lateral, Posterior	Anterior, Anterolateral, Lateral
<b>Continuous Expansion</b>	Yes	No	Yes	Yes	Yes	Yes
<b>Locking Mechanism</b>	Locking Screw	Self Locking	Locking Screw	Locking Screw	Self Locking	Self Locking
<b>Footprint (mm)</b>	17 x 22, 21 x 25, 24 x 30, 28 x 36	Ø21, 27 21 x 24, 26 x 30, 28 x 33, 30 x 40	21 x 23, 25 x 32	Ø20 21 x 23, 25 x 30, 22 x 40, 22 x 45, 22 x 50	14 x 14, 14 x 16, 21 x 23, 25 x 30, 22 x 40, 22 x 45, 22 x 50	Ø22, 26, 30 18 x 30, 18 x 40, 18 x 50, 22 x 40, 22 x 50, 22 x 60
<b>Height (mm)</b>	21–122	22–145	24–119	32–120	23–120	25–132
<b>Endplates (degrees)</b>	Adjustable Endplate: ±20 Fixed Endplate: 0, 10, 20	-10, -5, 0, 10, 15, 20	-8, -6, 0, 8, 16	-8, -6, 0, 8, 16	0, 4, 8, 12, 16	0, 3.5, 4, 7, 8, 12, 16

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## COMPETITIVE ANALYSIS (CONT.)

	<b>K2M</b>	<b>Nuvasive</b>	<b>Synthes</b>	<b>Stryker</b>	<b>Ulrich</b>		
	CAPRI	X-CORE	Synex	VLIFT	Omni VBR	Obelisc	Obelisc LE
							
<b>Material</b>	Titanium	Titanium	Titanium	Titanium	Titanium	Titanium	Titanium
<b>Approach</b>	Anterior, Lateral, Posterior	Anterior, Anterolateral, Lateral	Anterolateral, Lateral	Anterior, Anterolateral,	Anterior	Anterior, Anterolateral, Lateral, Posterior	Lateral
<b>Continuous Expansion</b>	Yes	No	No	Yes	Yes	Yes	Yes
<b>Locking Mechanism</b>	Locking Screw	Locking Screw	Expansion Ring	Locking Screw	Locking Screw	Locking Screw	Locking Screw
<b>Footprint (mm)</b>	17 x 22, 21 x 25, 24 x 30, 28 x 36	Ø22, 26, 30 18 x 30, 18 x 40, 18 x 50, 22 x 40, 22 x 50, 22 x 60	21 x 22, 25 x 28	Ø18, 22	Ø19, 22, 26, 30	Ø20, 24, 26, 29 26 x 32	35, 45, 55 lengths
<b>Height (mm)</b>	21–122	20–72	20–73	20.5–60.5	15–80	17–132	17–132
<b>Endplates (degrees)</b>	Adjustable Endplate: ±20  Fixed Endplate: 0, 10, 20	-4, 0, 4, 8, 12	-5, -6, 0, 10, 20	0, 3, 8, 15	0, 8, 16	0, 5, 10, 15, 20	0, 5, 10, 15



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Material is Intended for Internal Use Only.  
Actual device color may vary.  
Consult product catalog for details.



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