





CALIBER®-L

Expandable LLIF Spacer



Our mission is to deliver cutting-edge technology, research, and innovative solutions to promote healing in patients with musculoskeletal disorders.



The Surgical Technique shown is for illustrative purposes only. The technique(s) actually employed in each case always depends on the medical judgment of the surgeon exercised before and during surgery as to the best mode of treatment for each patient. Additionally, as instruments may occasionally be updated, the instruments depicted in this Surgical Technique may not be exactly the same as the instruments currently available. Please consult with your sales representative or contact Globus directly for more information.

SURGICAL TECHNIQUE GUIDE

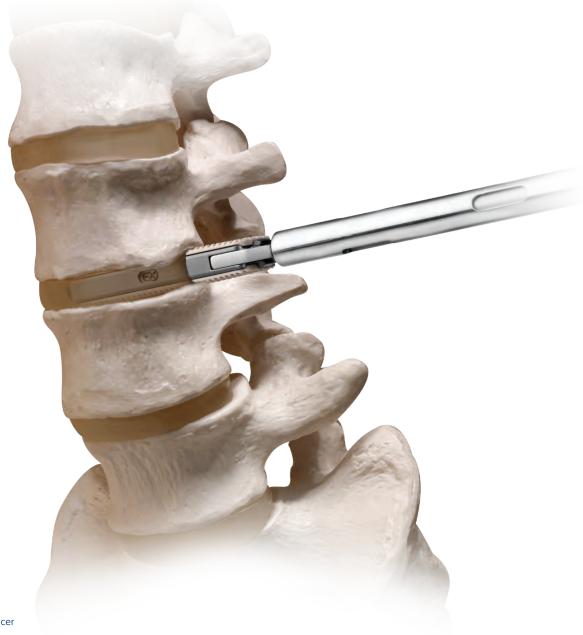
CALIBER®-L

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CALIBER®-L

Expandable LLIF Spacer

CALIBER®-L is an expandable lateral interbody fusion device designed to streamline insertion and optimize fit. Insertion of CALIBER®-L is performed at a contracted height to ease insertion. Controlled distraction maximizes indirect decompression through disc height restoration. Continuous expansion resists migration by optimizing fit.



Minimized Impaction

Preserves endplate integrity which, may help reduce subsidence.



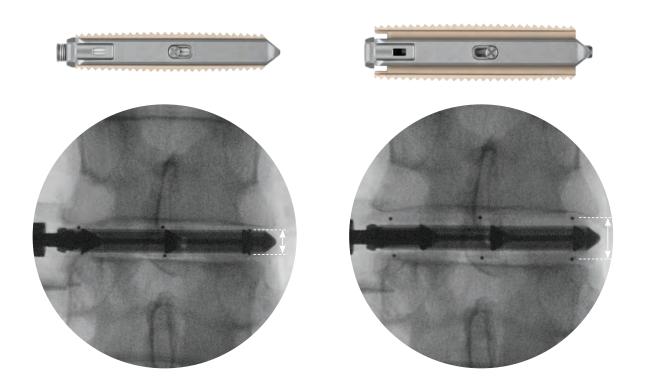
Designed to maximize indirect decompression through disc height restoration.





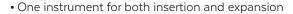
Continuous Expansion

Helps to resist migration by optimizing fit.

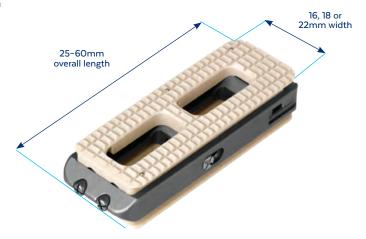


IMPLANT OVERVIEW

- Contracted insertion height helps minimize impaction force
- Controlled continuous expansion and distraction aids in restoration of disc height
- Axial graft chamber to help promote fusion
- Automatic locking for stability
- Multiple footprints:
- 16 wide: 25-40mm
- 18 wide: 40-60mm
- · 22 wide: 40-60mm
- Starting heights: 7-12mm



- Slim design for minimally invasive surgery (MIS) applications
- Radiolucent PEEK endplates for radiographic assessment
- Up to 5mm of expansion



Parallel and Lordotic Options







6° and 10° Lordotic

Coronal Tapered Option

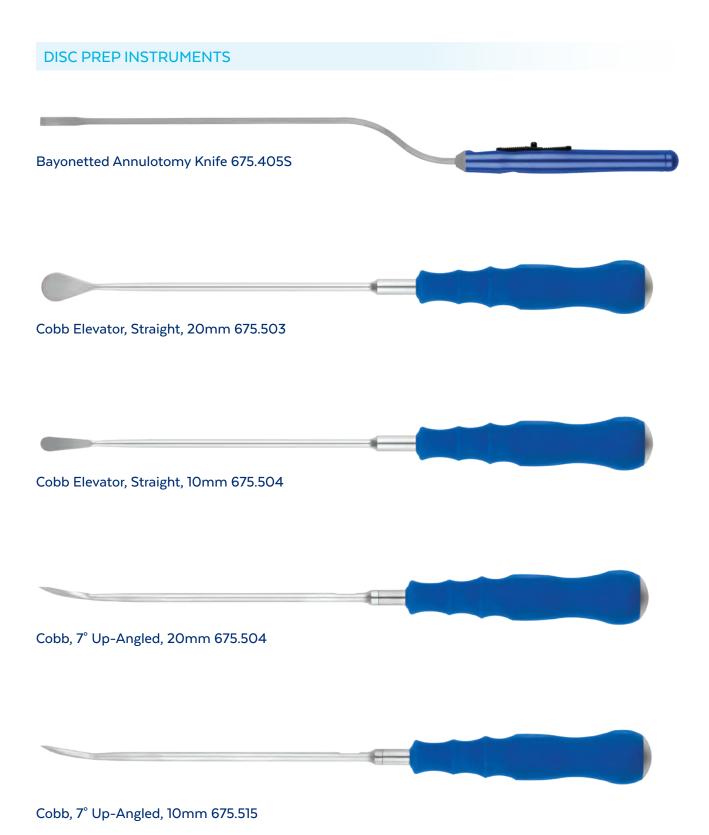


Leading Taper

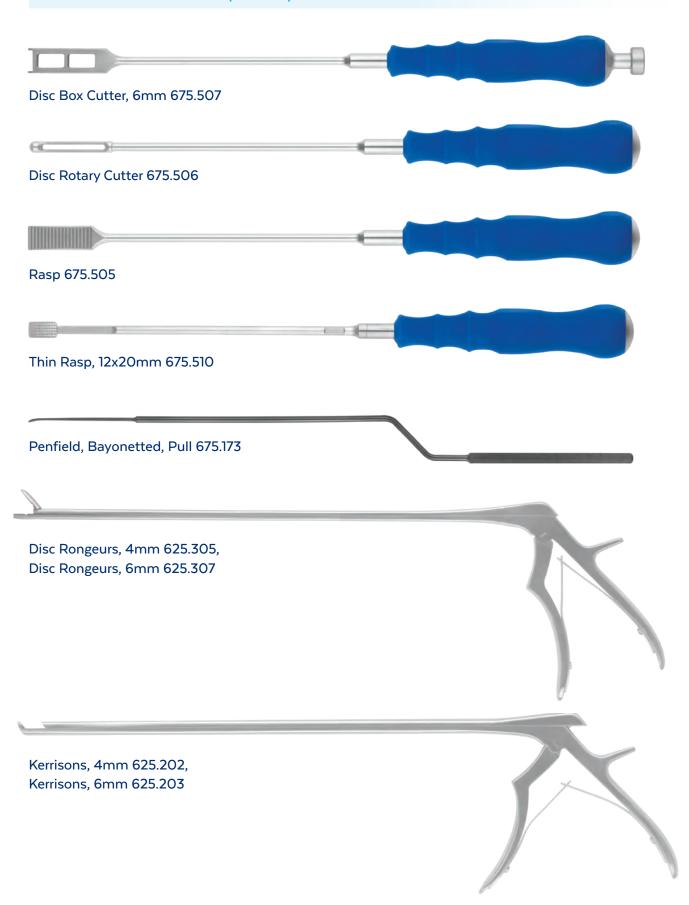


Trailing Taper

INSTRUMENT OVERVIEW



DISC PREP INSTRUMENTS (CONT'D)



SCRAPERS



Height	Part No.
7mm	675.607
9mm	675.609
llmm	675.611
13mm	675.613
15mm	675.615
17mm	675.617

CURETTES



Bone Curette, 7.5x11.5mm, Straight 625.407



Bone Curette, 7.5x11.5mm, Up-Angled 625.408



Ring Curette, 10mm, Straight 675.518

CURETTES (CONT'D)



Ring Curette, 10mm, 7° Up-Angled 675.519



Ring Curette, 10mm 625.401



Ring Curette, 15mm 625.402



Cobb Elevator, Angled, 18mm 625.102



Cup Curette, 6.5x9.5mm, Straight 675.525

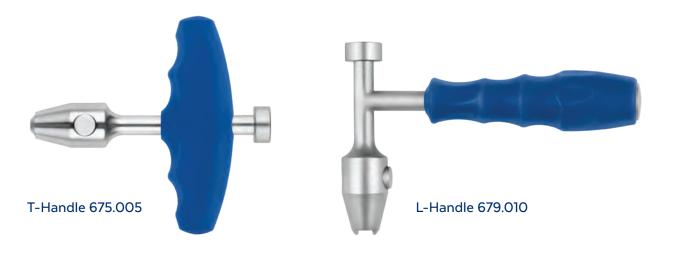


Cup Curette, 6.5x9.5mm, 15° Up-Angled 675.526



Cup Curette, 6.5x9.5mm, 90° Up-Angled 675.527

HANDLES



TRIALS



Trial, Parallel



Trial, Lordotic

18mm Static Trials							
Parallel	Height	Part No.					
	5mm	675.006					
	7mm	675.007					
10° Lordotic	Height	Part No.					
0 5 0 4	5mm	675.065					
6 5 5 4 4 0 5 5 0 5 0 4 4 4 9	7mm	675.067					

22mm Static Trials							
Parallel	Height	Part No.					
8 8 8 4 4 0	5mm	675.043					
	-	-					
10° Lordotic	Height	Part No.					
5 5 6 4 4	5mm	675.365					
6 5 5 4 4 0 5 0 6 0 6	7mm	675.367					

TRIALS (CONT'D)



Adjustable Trial, Parallel

16mm Adjustable Trials					
Sagittal Profile Height Part No.					
Parallel	7-15mm	694.126			

18mm Adjustable Trials						
Sagittal Profile	Height	Part No.				
Parallel	7-15mm	694.110				
6° Lordotic	8-16mm	694.112				

22mm Adjustable Trials						
Sagittal Profile	Height	Part No.				
Parallel	7-15mm	694.201				
6° Lordotic	8-16mm	694.202				



MIS Handle 673.003



Torque-Limiting Palm Handle 694.002



Removable Drive 694.218



IMPLANT INSERTION INSTRUMENTS



Lateral Inserter Fork, 16mm 694.116 Lateral Inserter Fork, 18mm 694.103 Lateral Inserter Fork, 22mm 694.303



Lateral Inserter Tube 694.104



Inserter Handle 694.005



2.5mm Torque-Limiting Driver, 3.0Nm 694.106



IMPLANT INSERTION INSTRUMENTS (CONT'D)



Insertion Sleeve 675.501



Implant Insertion Tool 664.500



Implant Insertion Tool and Insertion Sleeve (Assembled)

ADDITIONAL INSTRUMENTS



Slide Hammer 694.018



Spanner Wrench 687.509

SURGICAL TECHNIQUE

CALIBER®-L

Refer to the device insert (also printed at the back of this guide) for important information on the intended use/indications, device description, contraindications, precautions, warnings, and potential risks associated with this system.

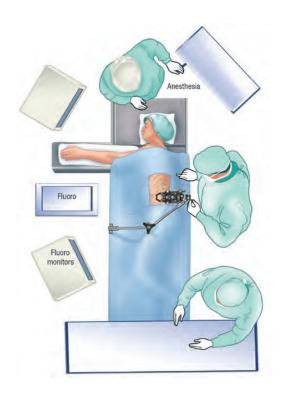
STEP

PATIENT POSITIONING

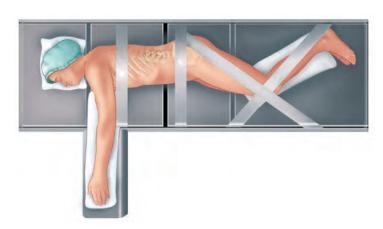
The patient is placed on a flexible surgical table in a straight 90° right lateral decubitus position so that the iliac crest is just over the table break, as shown below.

The patient is then secured to the table at the following locations: 1) Just beneath the iliac crest; 2) over the thoracic region, just under the shoulder; 3) from the back of the table, over the ankle, and past the knee to the front of the table.

The table should be flexed to open the interval between the 12th rib and iliac crest, and provide direct access to the disc space as shown below.



Patient positioning



Patient secured to table

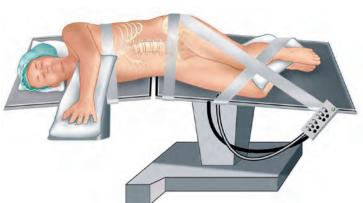


Table flexed

PATIENT POSITIONING (CONT'D)

X-Ray Confirmation

Fluoroscopy is used to ensure that the spine is oriented in a straight lateral position. The table should be adjusted so that the C-arm provides straight AP images when at 0° and straight lateral images at 90° .







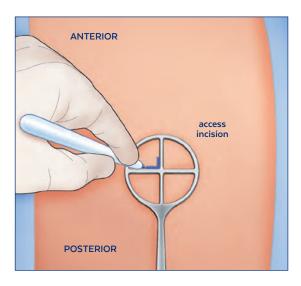
AP image

Incision Location

The operative area is carefully cleaned and the Incision Locator is used under fluoroscopy to identify the middle of the disc space to be fused. An access incision mark is then traced on the patient's skin to indicate the position and insertion site for the retractor. Position the desired retractor.



Using Incision Locator



Marking incision locations

Annulotomy

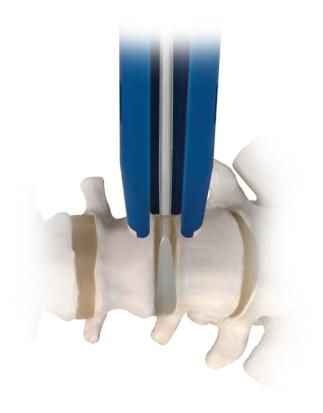
The Bayonneted Annulotomy Knife is used to create a window centered in the anterior half of the annulus, large enough for implant insertion.

Contralateral Annulus Release

A Cobb Elevator is passed along both endplates through the disc space, far enough to provide release of the contralateral annulus. This allows for height restoration upon insertion of the implant.

Disc Space Preparation

Leaving the posterior annulus intact, remove the intervertebral disc and osteophytes as needed. The Disc Box Cutter, Rotary Cutter, Disc Rongeurs, Kerrisons, Curettes, Scrapers, and Rasps are available for disc removal and endplate preparation, as shown at left.





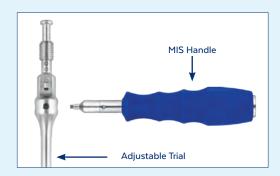
Using Cobb Elevator

Using Disc Rongeur

DISTRACTION AND IMPLANT SIZING

Option A: Using the Adjustable Trial

ASSEMBLING THE ADJUSTABLE TRIAL ASSEMBLY



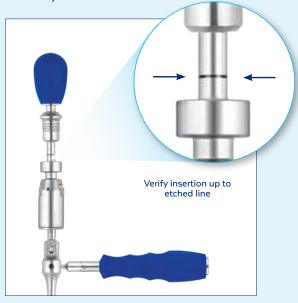
1. Screw in the MIS Handle to the **Adjustable Trial**.



the Adjustable Trial.



3. After inserting the Adjustable Trial Assembly into the disc space, attach the Torque-Limiting Palm Handle, to expand the trial.



4. Verify attachment of Torque-Limiting Palm Handle up to the etched line on the Removable Drive.



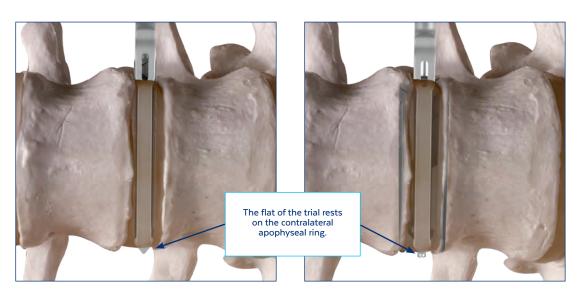
Option A: Using the Adjustable Trial (Cont'd)

Insert the Adjustable Trial Assembly into the disc space at its contracted height until the flat of the trial rests on the contralateral apophyseal ring. Determine implant length before trial expansion.

Expand the trial gradually to the desired height by rotating the palm handle clockwise. Use caution while expanding the trial to avoid excessive distraction and damage to the endplates.



Measurement Indicators on Adjustable Trial Assembly



Trial inserted at contracted height

Trial expanded to final height

Determine which height best fits the prepared disc space. A secure fit is desirable in order to maintain disc height and stabilize the segment. The final implant height may be confirmed using fluoroscopy.

Note: Alternatively, the Shaver may be used for distraction. Begin with the smallest Shaver and use larger sizes until the desired distraction is achieved. Use caution while using Shavers to avoid damage to the endplate.

Implant Selection (Height)

After the disc height is measured with the Adjustable Trial Assembly, select an implant with a height range that will span the measured height. For example, if a height between 9mm and 10mm is measured using the trial, then either a 9mm to 13mm parallel implant or a 8mm to 11mm lordotic implant may be used.



Indicator on Adjustable Trial Assembly shows disc height between 9mm and 10mm

DISTRACTION AND IMPLANT SIZING (CONT'D)

Option A: Using the Adjustable Trial (Cont'd)

When removing the Adjustable Trial Assembly, contract the trial completely, remove the Torque-Limiting Palm Handle and attach the Slide Hammer to the Removable Drive.

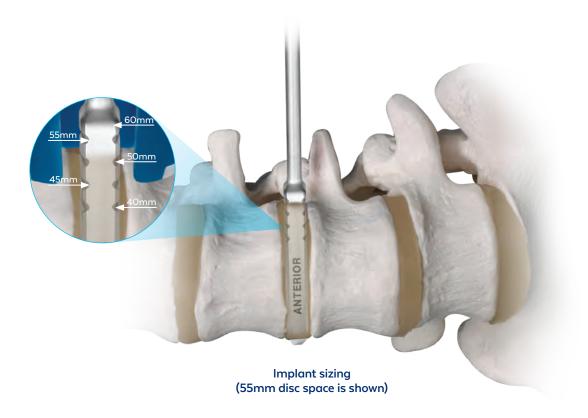


Slide Hammer attached to the Removable Drive

Option B: Using the Static Trial

To determine the appropriate implant size for the desired segment, first insert the smallest TransContinental® Trial into the disc space, moving to larger trials as needed. Determine which trial best fits the prepared disc space. Select the implant with a length 5mm greater than measured using the trial. A secure fit is desirable in order to maintain disc height and stabilize the segment. Use AP fluoroscopy to confirm that the implant is centered and lateral fluoroscopy to ensure that the implant is in the appropriate AP position.

The trial's anterior side is labeled "Anterior."



STEP **IMPLANT INSERTION**

Select the appropriately sized implant and pack autograft bone and/or allogenic bone graft composed of cancellous and/or corticocancellous bonematerial into the implant.

ASSEMBLING THE IMPLANT INSERTER

1. Select the appropriate **Inserter Fork** that matches the width of the implant.

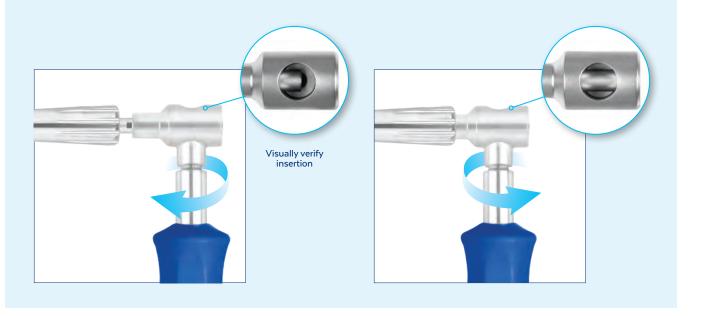


2. Thread the fork at least two full rotations into the **Inserter Tube.**

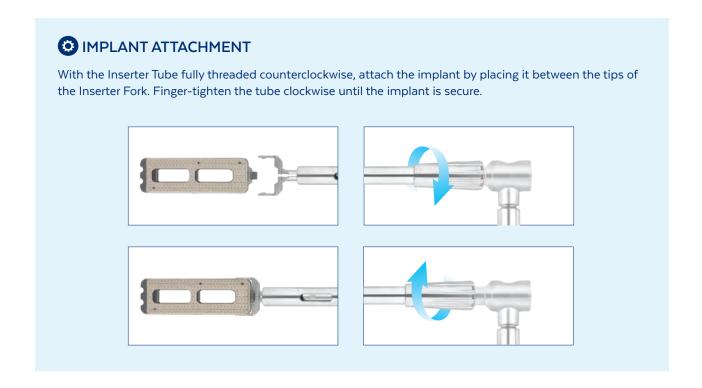


3. Ensure that the Inserter Handle is in the unlocked position by rotating the handle counterclockwise until it stops.

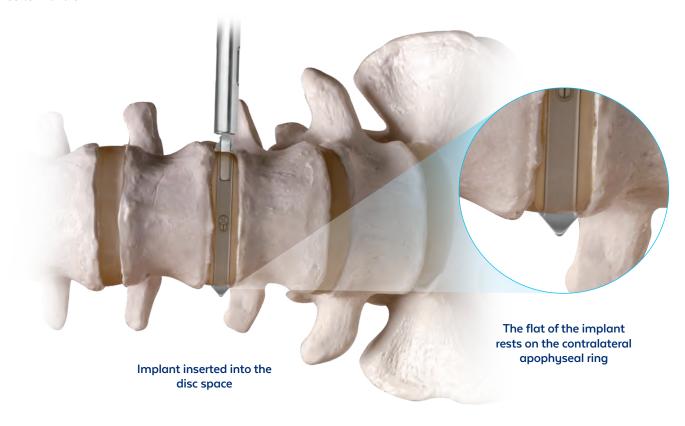
Attach the handle onto the back of the Inserter Fork Assembly. Once the handle is fully seated onto the fork, rotate the handle clockwise until it stops, to lock the position.



IMPLANT INSERTION (CONT'D)

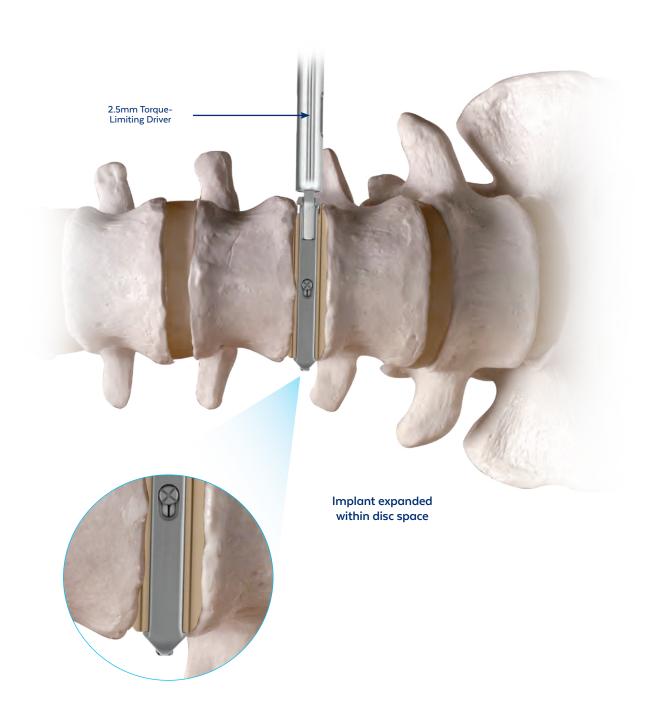


Insert the implant into the disc space using the Implant Inserter Assembly until the flat on the implant rests on the contralateral apophyseal ring of the vertebrae. If force is required to facilitate implant insertion, impact the back of the Inserter Handle.



STEP **IMPLANT EXPANSION**

Insert the 2.5mm Torque-Limiting Driver, 3.0Nm into the Implant Inserter Assembly and rotate clockwise to expand the implant to the appropriate height.

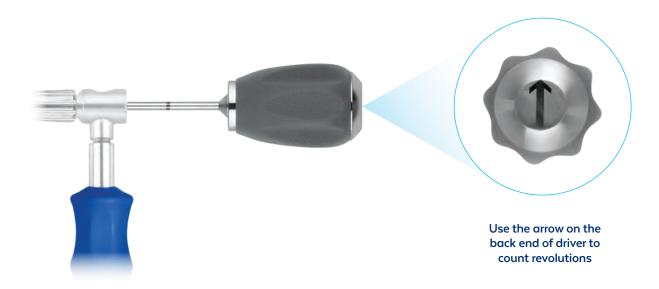


IMPLANT EXPANSION (CONT'D)

Determining Implant Height

Expansion of the implant should be determined by the tactile feel of the implant in the disc space as it is expanded. This is determined by gently toggling the implant in the AP direction until the desired fit is achieved.

The overall height can be determined by counting the number of revolutions of the 2.5mm Torque-Limiting Driver. Depending on the implant, 1.25 or 1.5 revolutions equate to 1mm of expansion. The etched arrow at the back of the 2.5mm Torque-Limiting Driver may be used to help indicate revolutions.

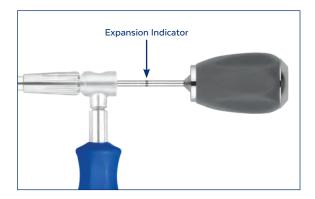


	Revolutions Required										
Implant	Final Height (mm)										
Size	7	8	9	10	11	12	13	14	15	16	17
7-10mm	0	1.5	3	MAX	-	-	-	-	-	-	-
8-11mm	-	0	1.5	3	MAX	-	-	-	-	-	-
9-12mm	-	-	0	1.5	3	MAX	-	-	-	-	-
9-13mm	-	-	0	1.5	3	4.5	MAX	-	-	-	-
10-13mm	-	-	-	0	1.5	3	MAX	-	-	-	-
10-14mm	-	-	-	0	1.5	3	4.5	MAX	-	-	-
11-15mm	-	-	-	-	0	1.5	3	4.5	MAX	-	-
11-16mm	-	-	-	-	0	1.25	2.5	3.75	5	MAX	-
12-16mm	-	-	-	-	-	0	1.5	3	4.5	MAX	-
12-17mm	-	-	-	-	-	0	1.25	2.5	3.75	5	MAX

The 2.5mm Torque-Limiting Driver allows the user to identify when the implant has reached its maximum height expansion, or when the implant is exerting the maximum allowable distraction force on the vertebral endplates.

Use caution while expanding the implant to avoid excessive distraction and damage to the endplates.

The maximum expansion of an implant can be visually verified by the etched ring on the driver, as shown below. Maximum expansion is achieved when the etched ring is flush with the handle.





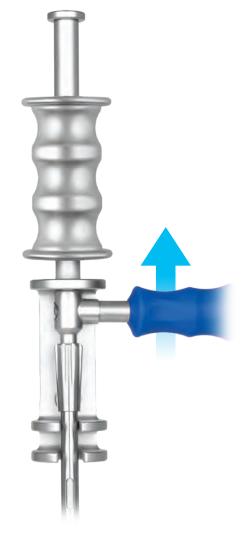


RADIOGRAPHIC CONFIRMATION STEP

Using fluoroscopy, verify the final position of the implant before disengaging the Implant Inserter Assembly. Once the desired position is achieved, disengage the assembly from the implant by first removing the 2.5mm Torque-Limiting Driver. Then rotate the Inserter Tube counterclockwise using the Spanner Wrench and rock the assembly cephalad/caudal until the implant is disengaged.

OPTIONAL: IMPLANT REMOVAL

For implant removal, the implant height may be reduced by inserting the 2.5mm Torque-Limiting Driver into the set screw and rotating counterclockwise. Alternatively, the Impant Inserter Assembly may be repositioned onto the implant and the Slide Hammer may be used to remove the implant. Forceps or other manual surgical instruments may also be used to grasp and extract the implant.



Using the Slide Hammer

SUPPLEMENTAL FIXATION

In addition to the described interbody fusion technique, supplemental fixation systems that have been cleared for use in the thoracolumbosacral spine (e.g., posterior pedicle screw and rod systems, anterior plate systems, and anterior screw and rod systems) must be used at the appropriate level(s).

REVOLVE® is a posterior stabilization system designed for minimally invasive surgery (MIS), in which virtually every step of the MIS has been enhanced.

REVOLVE® Stabilization System

REVOLVE® Locking Technology

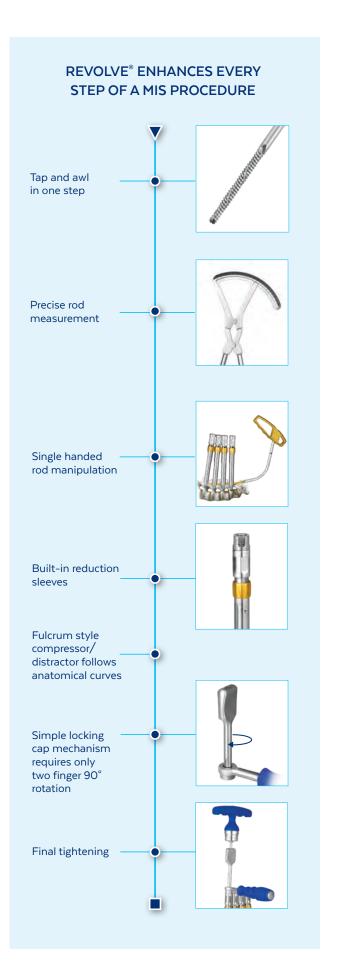
Non-threaded locking caps eliminate cross threading. Challenges with cap placement are also eliminated.

Powerful Rod Reduction

Provides fixation irrespective of complexity, due to integrated, streamlined rod reduction and a strong screw-sleeve connection.

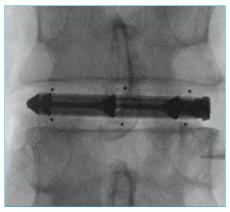
Multi-Level Capability

The system adapts to surgeon needs, with capabilities for trauma, tumor, and deformity applications.



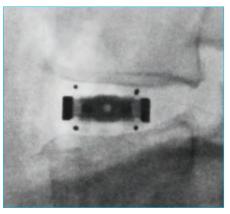
FINAL POSITION (AP VIEW)





FINAL POSITION (LATERAL VIEW)





CALIBER®-L 16mm SET 994.940

Implants

Part No.	Description	Qty
194.900	CALIBER®-L Spacer 16x25mm, 7-10mm	2
194.901	CALIBER®-L Spacer 16x30mm, 7-10mm	2
194.902	CALIBER®-L Spacer 16x35mm, 7-10mm	2
194.903	CALIBER®-L Spacer 16x40mm, 7-10mm	2
194.905	CALIBER®-L Spacer 16x25mm, 9-13mm	2
194.906	CALIBER®-L Spacer 16x30mm, 9-13mm	2
194.907	CALIBER®-L Spacer 16x35mm, 9-13mm	2
194.908	CALIBER®-L Spacer 16x40mm, 9-13mm	2

Instruments

	Part No.	Description	Qty
1	694.116	Lateral Inserter Fork, 16mm	2
2	694.126	16mm Adjustable Trial	1
	994.013	CALIBER®-L 16mm Graphic Case	

CALIBER®-L 16mm SET 994.940



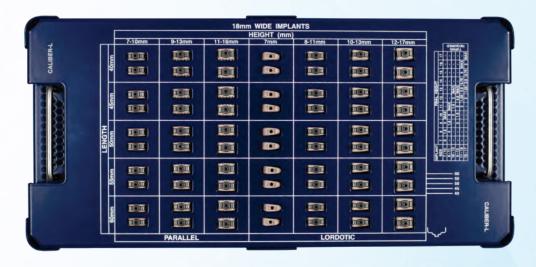
CALIBER®-L 18mm SET 994.910

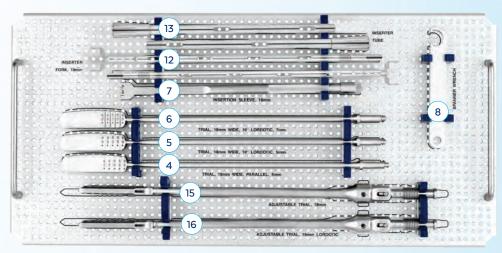
CALIBER®-L Spacers

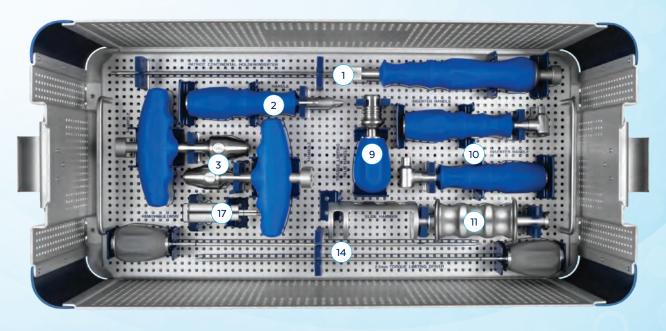
TransContinental® Spacers

Part No.	Description	Qty	Part l	No. De	escription	Qty
194.082	18x40mm, 10-13mm, Lordotic	2	375.06	375.067 18mm Wide, Small, 10°, 7mm		2
194.083	18x45mm, 10-13mm, Lordotic	2	375.26	57 18r	nm Wide, Medium, 10°, 7mm	2
194.084	18x50mm, 10-13mm, Lordotic	2	375.46	57 18r	mm Wide, Large, 10°, 7mm	2
194.085	18x55mm, 10-13mm, Lordotic	2	375.66	57 18r	mm Wide, X-Large, 10deg, 7mm	2
194.086	18x60mm, 10-13mm, Lordotic	2	375.86	57 18r	mm Wide, X-Small, 10°, 7mm	2
194.140	18x40mm, 9-13mm	2				
194.145	18x45mm, 9-13mm	2	lnetr	una anto	_	
194.150	18x50mm, 9-13mm	2	msu	ruments		
194.155	18x55mm, 9-13mm	2		Part No.	Description	Qty
194.160	18x60mm, 9-13mm	2	1	664.500	PATRIOT® CONTINENTAL® Holder/Insert	ter 1
194.240	18x40mm, 11-16mm	2	2	673.003	MIS Handle	1
194.245	18x45mm, 11-16mm	2	3	675.005	T-Handle with Impaction Cap	2
194.250	18x50mm, 11-16mm	2	4	675.006	TransContinental® LLIF Trial, 0°, 5mm	1
194.255	18x55mm, 11-16mm	2	5	675.065	TransContinental® 18mm Trial,	
194.260	18x60mm, 11-16mm	2			10° Lordotic, 5mm	1
194.540	18x40mm, 12-17mm, Lordotic	2	6	675.067	TransContinental® 18mm Trial,	1
194.545	18x45mm, 12-17mm, Lordotic	2	7	675.501	10° Lordotic, 7mm Insertion Sleeve	1
194.550	18x50mm, 12-17mm, Lordotic	2				
194.555	18x55mm, 12-17mm, Lordotic	2		687.509	Spanner Wrench	1
194.560	18x60mm, 12-17mm, Lordotic	2		694.002 694.005	Torque-Limiting Palm Handle	1 2
194.840	18x40mm, 7-10mm	2			Inserter Handle	
194.845	18x45mm, 7-10mm	2		694.018	Slide Hammer	1
194.850	18x50mm, 7-10mm	2		694.103	Lateral Inserter Fork, 18mm	2
194.855	18x55mm, 7-10mm	2		694.104	Lateral Inserter Tube	
194.860	18x60mm, 7-10mm	2		694.106	2.5mm Torque-Limiting Driver, 3.0Nm	2
194.940	18x40, 8-11mm, Lordotic	2		694.110	Adjustable Trial, 18mm	1
194.945	18x45, 8-11mm, Lordotic	2		694.112	Adjustable Trial, 18mm Lordotic	1
194.950	18x50, 8-11mm, Lordotic	2		694.218	Removable Drive	1
194.955	18x55, 8-11mm, Lordotic	2	9	994.050	CALIBER®-L 18mm Graphic Case	
194.960	18x60, 8-11mm, Lordotic	2				

CALIBER®-L 18mm SET 994.910







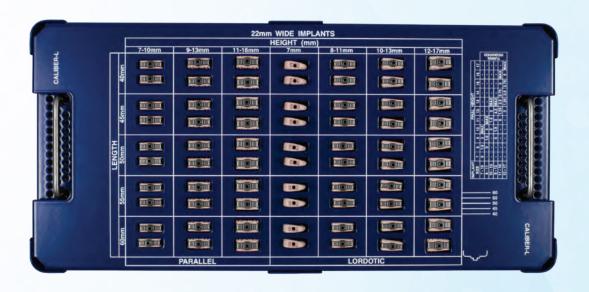
CALIBER®-L 22mm SET 994.920

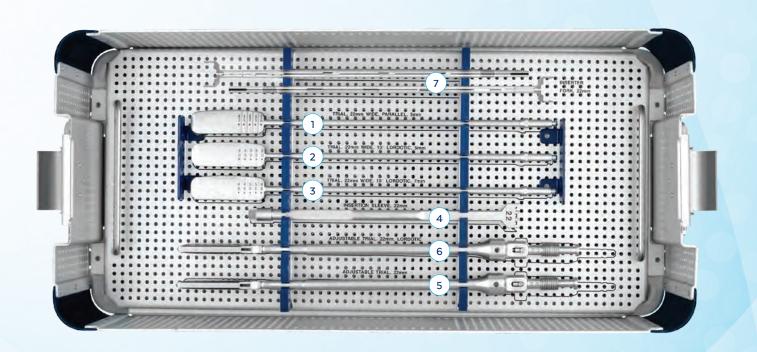
CALIBER®-L Spacers

TransContinental® Spacers

Part No.	Description	Qty	Part No.	De	escription	Qty
594.082	22x40mm, 10-13mm, Lordotic	2	375.167	Tra	nsContinental® Spacer, 22mm Wide,	
594.083	22x45mm, 10-13mm, Lordotic	2		Sm	nall, 10°, 7mm	2
594.084	22x50mm, 10-13mm, Lordotic	2	375.367		nsContinental® Spacer, 22mm Wide,	2
594.085	22x55mm, 10-13mm, Lordotic	2	775 567		dium, 10°, 7mm	2
594.086	22x60mm, 10-13mm, Lordotic	2	375.567		nsContinental® Spacer, 22mm Wide, ge, 10°, 7mm	2
594.140	22x40mm, 9-13mm	2	375.767		nsContinental® Spacer, 22mm Wide,	
594.145	22x45mm, 9-13mm	2		X-L	arge, 10°, 7mm	2
594.150	22x50mm, 9-13mm	2	375.967		nsContinental® Spacer, 22mm Wide,	
594.155	22x55mm, 9-13mm	2		X-S	Small, 10°, 7mm	2
594.160	22x60mm, 9-13mm	2				
594.240	22x40mm, 10-15mm	2	Instrum	ents	5	
594.245	22x45mm, 10-15mm	2	ъ.		5	01
594.250	22x35mm, 10-15mm	2	Part		Description	Qty
594.255	22x55mm, 10-15mm	2	6675.0	043	TransContinental® 22mm Trial, Parallel, 5mm	1
594.260	22x60mm, 10-15mm	2	2 675.36	35	TransContinental® 22mm Trial,	'
594.540	22x40mm, 12-17mm, Lordotic	2	0/3.50	55	10° Lordotic, 5mm	1
594.545	22x45mm, 12-17mm, Lordotic	2	3 675.36	67	TransContinental® 22mm Trial,	
594.550	22x50mm, 12-17mm, Lordotic	2			10° Lordotic, 7mm	1
594.555	22x55mm, 12-17mm, Lordotic	2	4 675.52	22	Insertion Sleeve, 22mm	1
594.560	22x60mm, 12-17mm, Lordotic	2	5 694.2	01	Adjustable Trial, 22mm	1
594.840	22x40mm, 7-10mm	2	6 694.2	02	Adjustable Trial, 22mm Lordotic	1
594.845	22x45mm, 7-10mm	2	7 694.3	03	Lateral Inserter Fork, 22mm	2
594.850	22x50mm, 7-10mm	2	00.40			
594.855	22x55mm, 7-10mm	2	994.0	111	Implants 22mm Graphic Case	
594.860	22x60mm, 7-10mm	2				
594.940	22x40, 8-11mm, Lordotic	2				
594.945	22x45, 8-11mm, Lordotic	2				
594.950	22x50, 8-11mm, Lordotic	2				
594.955	22x55, 8-11mm, Lordotic	2				
594.960	22x60, 8-11mm, Lordotic	2				

CALIBER®-L 22mm SET 994.920





CALIBER®-L CORONAL TAPERED SET 994.9300

Part No.	Description	Qty	Part No.	Description	Qty
194.001	18x40mm, 8-11mm, Trailing Taper	2	194.061	18x40mm, 11-15mm, Trailing Taper, Lordotic	1
194.002	18x45mm, 8-11mm, Trailing Taper	2	194.062	18x45mm, 11-15mm, Trailing Taper, Lordotic	1
194.003	18x50mm, 8-11mm, Trailing Taper	2	194.063	18x50mm, 11-15mm, Trailing Taper, Lordotic	1
194.004	18x55mm, 8-11mm, Trailing Taper	2	194.064	18x55mm, 11-15mm, Trailing Taper, Lordotic	1
194.005	18x60mm, 8-11mm, Trailing Taper	2	194.065	18x60mm, 11-15mm, Trailing Taper, Lordotic	1
194.011	18x40mm, 8-11mm, Leading Taper	1	194.071	18x40mm, 11-15mm, Leading Taper, Lordotic	1
194.012	18x45mm, 8-11mm, Leading Taper	1	194.072	18x45mm, 11-15mm, Leading Taper, Lordotic	1
194.013	18x50mm, 8-11mm, Leading Taper	1	194.073	18x50mm, 11-15mm, Leading Taper, Lordotic	1
194.014	18x55mm, 8-11mm, Leading Taper	1	194.074	18x55mm, 11-15mm, Leading Taper, Lordotic	1
194.015	18x60mm, 8-11mm, Leading Taper	1	194.075	18x60mm, 11-15mm, Leading Taper, Lordotic	1
194.021	18x40mm, 9-12mm, Trailing Taper, Lordotic	2	194.101	18x40mm, 12-16mm, Trailing Taper	2
194.022	18x45mm, 9-12mm, Trailing Taper, Lordotic	2	194.102	18x45mm, 12-16mm, Trailing Taper	2
194.023	18x50mm, 9-12mm, Trailing Taper, Lordotic	2	194.103	18x50mm, 12-16mm, Trailing Taper	2
194.024	18x55mm, 9-12mm, Trailing Taper, Lordotic	2	194.104	18x55mm, 12-16mm, Trailing Taper	2
194.025	18x60mm, 9-12mm, Trailing Taper, Lordotic	2	194.105	18x60mm, 12-16mm, Trailing Taper	2
194.031	18x40mm, 9-12mm, Leading Taper, Lordotic	1	194.201	18x40mm, 12-16mm, Leading Taper	1
194.032	18x45mm, 9-12mm, Leading Taper, Lordotic	1	194.202	18x45mm, 12-16mm, Leading Taper	1
194.033	18x50mm, 9-12mm, Leading Taper, Lordotic	1	194.203	18x50mm, 12-16mm, Leading Taper	1
194.034	18x55mm, 9-12mm, Leading Taper, Lordotic	1	194.204	18x55mm, 12-16mm, Leading Taper	1
194.035	18x60mm, 9-12mm, Leading Taper, Lordotic	1	194.205	18x60mm, 12-16mm, Leading Taper	1
194.041	18x40mm, 10-14mm, Trailing Taper	2	004070		
194.042	18x45mm, 10-14mm, Trailing Taper	2	994.012	CALIBER®-L Coronal Tapered Implant Graph	c Case
194.043	18x50mm, 10-14mm, Trailing Taper	2			
194.044	18x55mm, 10-14mm, Trailing Taper	2			
194.045	18x60mm, 10-14mm, Trailing Taper	2			
194.051	18x40mm, 10-14mm, Leading Taper	1			
194.052	18x45mm, 10-14mm, Leading Taper	1			
194.053	18x50mm, 10-14mm, Leading Taper	1			
194.054	18x55mm, 10-14mm, Leading Taper	1			
194.055	18x60mm, 10-14mm, Leading Taper	1			

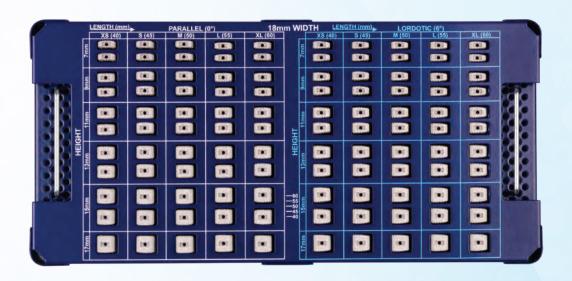
CALIBER®-L **CORONAL TAPERED SET 994.9300**

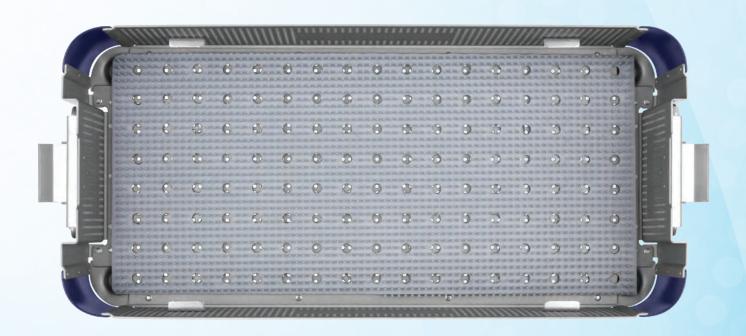


TransContinental® **IMPLANT SET 975.916**

Part No.	Description	Qty	Part No.	Description	Qty
375.007	TransContinental® Spacer, Small, 0°, 7mm	2	375.607	TransContinental® Spacer, X-Large, 0°, 7mm	2
375.009	TransContinental® Spacer, Small, 0°, 9mm	2	375.609	TransContinental® Spacer, X-Large, 0°, 9mm	2
375.011	TransContinental® Spacer, Small, 0°, 11mm	2	375.611	TransContinental® Spacer, X-Large, 0°, 11mm	2
375.013	TransContinental® Spacer, Small, 0°, 13mm	2	375.613	TransContinental® Spacer, X-Large, 0°, 13mm	2
375.015	TransContinental® Spacer, Small, 0°, 15mm	2	375.615	TransContinental® Spacer, X-Large, 0°, 15mm	2
375.017	TransContinental® Spacer, Small, 0°, 17mm	1	375.617	TransContinental® Spacer, X-Large, 0°, 17mm	1
375.107	TransContinental® Spacer, Small, 6°, 7mm	2	375.707	TransContinental® Spacer, X-Large, 6°, 7mm	2
375.109	TransContinental® Spacer, Small, 6°, 9mm	2	375.709	TransContinental® Spacer, X-Large, 6°, 9mm	2
375.111	TransContinental® Spacer, Small, 6°, 11mm	2	375.711	TransContinental® Spacer, X-Large, 6°, 11mm	2
375.113	TransContinental® Spacer, Small, 6°, 13mm	2	375.713	TransContinental® Spacer, X-Large, 6°, 13mm	2
375.115	TransContinental® Spacer, Small, 6°, 15mm	2	375.715	TransContinental® Spacer, X-Large, 6°, 15mm	2
375.117	TransContinental® Spacer, Small, 6°, 17mm	1	375.717	TransContinental® Spacer, X-Large, 6°, 17mm	1
375.207	TransContinental® Spacer, Medium, 0°, 7mm	2	375.807	TransContinental® Spacer, X-Small, 0°, 7mm	2
375.209	TransContinental® Spacer, Medium, 0°, 9mm	2	375.809	TransContinental® Spacer, X-Small, 0°, 9mm	2
375.211	TransContinental® Spacer, Medium, 0°, 11mm	2	375.811	TransContinental® Spacer, X-Small, 0°, 11mm	2
375.213	TransContinental® Spacer, Medium, 0°, 13mm	2	375.813	TransContinental® Spacer, X-Small, 0°, 13mm	2
375.215	TransContinental® Spacer, Medium, 0°, 15mm	2	375.815	TransContinental® Spacer, X-Small, 0°, 15mm	2
375.217	TransContinental® Spacer, Medium, 0°, 17mm	1	375.817	TransContinental® Spacer, X-Small, 0°, 17mm	1
375.307	TransContinental® Spacer, Medium, 6°, 7mm	2	375.907	TransContinental® Spacer, X-Small, 6°, 7mm	2
375.309	TransContinental® Spacer, Medium, 6°, 9mm	2	375.909	TransContinental® Spacer, X-Small, 6°, 9mm	2
375.311	TransContinental® Spacer, Medium, 6°, 11mm	2	375.911	TransContinental® Spacer, X-Small, 6°, 11mm	2
375.313	TransContinental® Spacer, Medium, 6°, 13mm	2	375.913	TransContinental® Spacer, X-Small, 6°, 13mm	2
375.315	TransContinental® Spacer, Medium, 6°, 15mm	2	375.915	TransContinental® Spacer, X-Small, 6°, 15mm	2
375.317	TransContinental® Spacer, Medium, 6°, 17mm	1	375.917	TransContinental® Spacer, X-Small, 6°, 17mm	1
375.407	TransContinental® Spacer, Large, 0°, 7mm	2			
375.409	TransContinental® Spacer, Large, 0°, 9mm	2	975.011	TransContinental® Implant Graphic Case	
375.411	TransContinental® Spacer, Large, 0°, 11mm	2			
375.413	TransContinental® Spacer, Large, 0°, 13mm	2			
375.415	TransContinental® Spacer, Large, 0°, 15mm	2			
375.417	TransContinental® Spacer, Large, 0°, 17mm	1			
375.507	TransContinental® Spacer, Large, 6°, 7mm	2			
375.509	TransContinental® Spacer, Large, 6°, 9mm	2			
375.511	TransContinental® Spacer, Large, 6°, 11mm	2			
375.513	TransContinental® Spacer, Large, 6°, 13mm	2			
375.515	TransContinental® Spacer, Large, 6°, 15mm	2			
375.517	TransContinental® Spacer, Large, 6°, 17mm	1			

TransContinental® **IMPLANT SET 975.916**

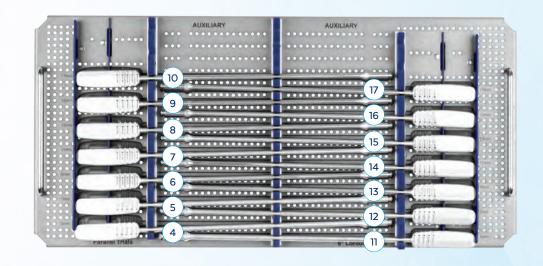


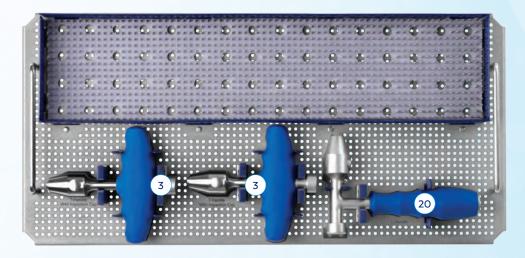


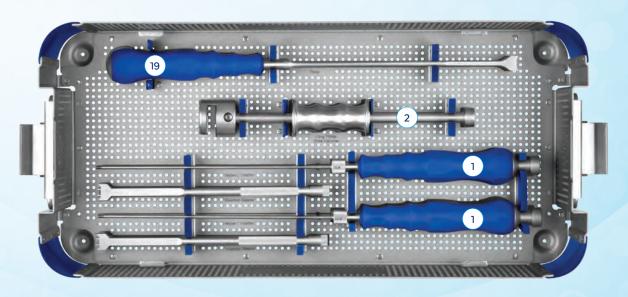
TransContinental® LLIF INSERTION INSTRUMENTS SET 975.915

	Part No.	Description	Qty
1	664.500	PATRIOT® CONTINENTAL® Holder/Inserter	2
2	675.004	Long Throw Slide Hammer	1
3	675.005	T-Handle with Impaction Cap	2
4	675.006	TransContinental® Trial, Parallel, 5mm	1
5	675.007	TransContinental® Trial, Parallel, 7mm	1
6	675.009	TransContinental® Trial, Parallel, 9mm	1
7	675.011	TransContinental® Trial, Parallel, 11mm	1
8	675.013	TransContinental® Trial, Parallel, 13mm	1
9	675.015	TransContinental® Trial, Parallel, 15mm	1
10	675.017	TransContinental® Trial, Parallel, 17mm	1
11	675.106	TransContinental® Trial, Lordotic, 5mm	1
12	675.107	TransContinental® Trial, Lordotic, 7mm	1
13	675.109	TransContinental® Trial, Lordotic, 9mm	1
14	675.111	TransContinental® Trial, Lordotic, 11mm	1
15	675.113	TransContinental® Trial, Lordotic, 13mm	1
16	675.115	TransContinental® Trial, Lordotic, 15mm	1
17	675.117	TransContinental® Trial, Lordotic, 17mm	1
18	675.501	Insertion Sleeve	2
19	675.502	Tamp	1
20	679.010	L-Handle	1
	975.007	TransContinental® Insertion Graphic Case	

TransContinental® LLIF INSERTION INSTRUMENTS SET 975.915



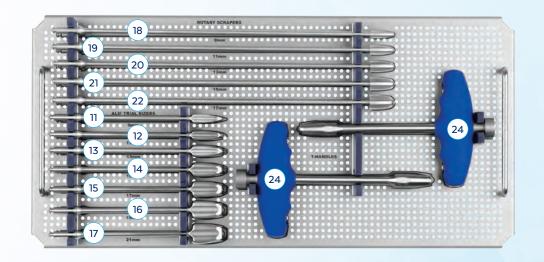


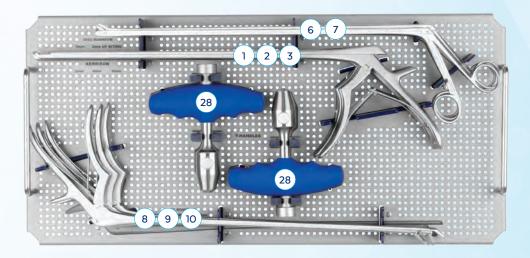


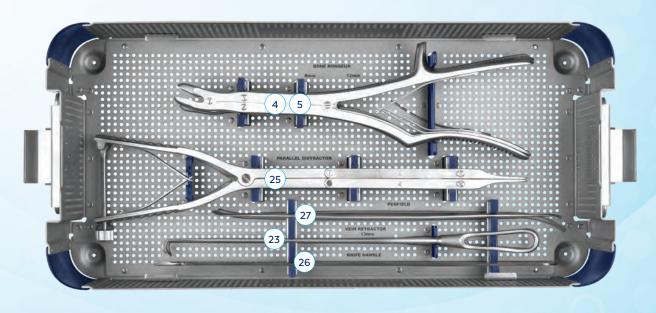
ANTERIOR DISC PREPI INSTRUMENT SET 925.901

	Part No.	Description	Qty
1	6625.201	Kerrison, 2mm	1
2	625.202	Kerrison, 4mm	1
3	625.203	Kerrison, 6mm	1
4	625.301	Bone Rongeur, Double Acting, 8mm	1
5	625.302	Bone Rongeur, Double Acting, 12mm	1
6	625.303	Disc Rongeur, 2mm	1
7	625.304	Disc Rongeur, 2mm, Up Biting	1
8	625.305	Disc Rongeur, 4mm	1
9	625.306	Disc Rongeur, 4mm, Up Biting	1
10	625.307	Disc Rongeur, 6mm	1
1	625.609	ALIF Trial Sizer, 9mm	1
12	625.611	ALIF Trial Sizer, 11mm	1
13	625.613	ALIF Trial Sizer, 13mm	1
14	625.615	ALIF Trial Sizer, 15mm	1
15	625.617	ALIF Trial Sizer, 17mm	1
16	625.619	ALIF Trial Sizer, 19mm	1
17	625.621	ALIF Trial Sizer, 21mm	1
18	625.709	Rotary Scraper, 9mm	1
19	625.711	Rotary Scraper, 11mm	1
20	625.713	Rotary Scraper, 13mm	1
21	625.715	Rotary Scraper, 15mm	1
22	625.717	Rotary Scraper, 17mm	1
23	625.801	Vein Retractor	1
24	625.804	T-Handle with Impaction Cap, Long	2
25	625.805	Parallel Distractor	1
26	625.806	Knife Handle	1
27	625.811	Long Penfield	1
28	675.005	T-Handle with Impaction Cap	2
	925.101	Graphic Case I	

ANTERIOR DISC PREP I **INSTRUMENT SET 925.901**







ANTERIOR DISC PREP II INSTRUMENT SET 925.902

	Part No.	Description	Qty
1	6625.101	Cobb Elevator, 18mm	1
2	625.102	Cobb Elevator, Angled, 18mm	1
3	625.103	Cobb Elevator, 23mm	1
4	625.104	Cobb Elevator, Angled, 23mm	1
5	625.401	Ring Curette, 10mm	1
6	625.402	Ring Curette, 15mm	1
7	625.403	Bone Curette, 3.5mm x 5.5mm, Straight	1
8	625.404	Bone Curette, 3.5mm x 5.5mm, Up-Angled	1
9	625.405	Bone Curette, 5.5mm x 8.5mm, Straight	1
10	625.406	Bone Curette, 5.5mm x 8.5mm, Up-Angled	1
1	625.407	Bone Curette, 7.5mm x 11.5mm, Straight	1
12	625.408	Bone Curette, 7.5mm x 11.5mm, Up-Angled	1
13	625.501	Dual Rasp	1
14	625.502	Angled Rasp	1
15	625.803	Osteotome, 16mm x 20mm	1
	925.102	Graphic Case II	

Additionally Available

Part No. Description

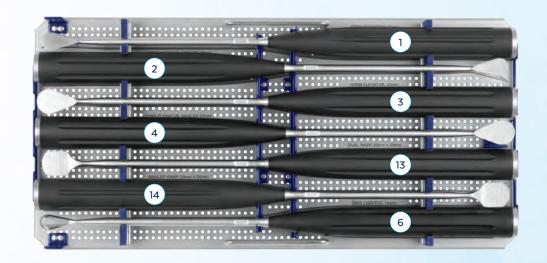
625.413

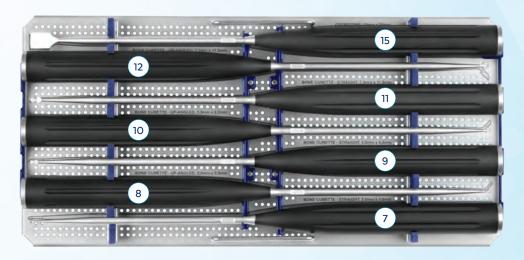
625.409 Bone Curette, 9.5mm x 14.5mm, Straight 625.410 Bone Curette, 9.5mm x 14.5mm, Up-Angled 625.411 Bone Curette, 11.5mm x 17.5mm, Straight 625.412 Bone Curette, 11.5mm x 17.5mm, Up-Angled

625.414 Bone Curette, 13.5mm x 20.5mm, Up-Angled

Bone Curette, 13.5mm x 20.5mm, Straight

ANTERIOR DISC PREP II **INSTRUMENT SET 925.902**







LATERAL DISC PREP **INSTRUMENT SET 975.914**

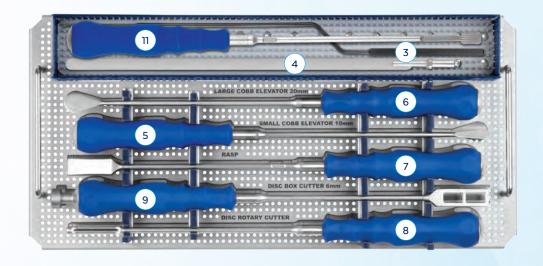
	Part No.	Description	Qty
1	675.002	Slap Hammer Adapter	1
2	675.005	T-Handle with Impaction Cap	2
3	675.173	Pennfield, Bayonetted, Pull	1
4	675.201	Quick-Connect Guide, 12mm	2
5	675.503	Cobb Elevator, 10mm, Straight	1
6	675.504	Cobb Elevator, 20mm, Straight	1
7	675.505	Rasp	1
8	675.506	Disc Rotary Cutter	1
9	675.507	Disc Box Cutter, 6mm	1
10	675.510	Thin Rasp, 12x20mm	1
1	675.515	Cobb Elevator, 10mm, Up-Angled	1
12	675.516	Cobb Elevator, 20mm, Up-Angled	1
13	675.518	Ring Curette, 10mm, Straight	1
14	675.519	Ring Curette, 10mm, 7°, Up-Angled	1
15	675.525	Cup Curette, 6.5 x 9.5mm, Straight	1
16	675.526	Cup Curette, 6.5 x 9.5mm, 15° Up-Angled	1
17	675.527	Cup Curette, 6.5 x 9.5mm, 90° Down-Angled	1
18	675.607	Scraper, 7mm	1
19	675.609	Scraper, 9mm	1
20	675.611	Scraper, 11mm	1
21	675.613	Scraper, 13mm	1
22	675.615	Scraper, 15mm	1
23	675.617	Scraper, 17mm	1
	975.008	TransContinental® Graphic Case - Disc Prep	

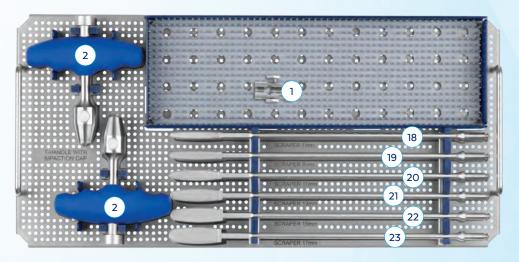
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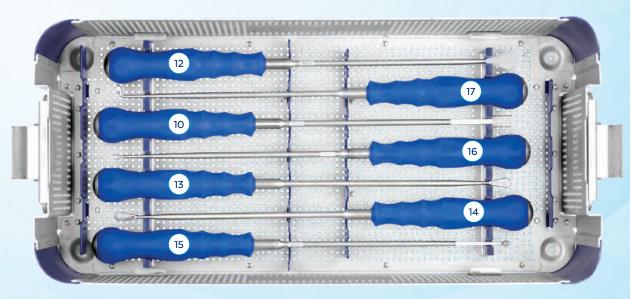
Part No. Description

675.170S	Bipolar Forceps Bayonetted, Straight
675 1715	Bipolar Forcens Bayonetted Angled

LATERAL DISC PREP **INSTRUMENT SET 975.914**







IMPORTANT INFORMATION ON THE CALIBER®-L SPACER

DESCRIPTION

CALIBER® Spacers are lumbar interbody fusion devices used to provide structural stability in skeletally mature individuals following discectomy. CALIBER® Spacers provide different shapes to accommodate various surgical approaches to the lumbar spine (posterior, transforaminal [posterolateral] or lateral). The devices are available in various heights and geometric options to fit the anatomical needs of a wide variety of patients. These spacers are to be filled with autograft bone and/or allogenic bone graft composed of cancellous and/or corticocancellous bone. Protrusions on the superior and inferior surfaces of each device grip the endplates of the adjacent vertebrae to resist expulsion.

CALIBER® Spacers are manufactured from radiolucent PEEK polymer and titanium alloy per ASTM F2026, F136 and F1295; non-expandable CALIBER® Spacers are manufactured from PEEK only. CALIBER® Spacers contain radiopaque titanium alloy or tantalum markers as specified in ASTM F136, F1295 and F560. CALIBER® TPS Spacers also have a commercially pure titanium plasma spray coating, as specified in ASTM F67 and F1580.

INDICATIONS

CALIBER® Spacers are interbody fusion devices intended for use at one or more levels of the thoracic spine (T1-T12), thoracolumbar junction (T12-L1), or lumbosacral spine (L1-S1) as an adjunct to fusion in patients with the following indications: degenerative disc disease (DDD), disc herniation (with myelopathy and/ or radiculopathy), spondylolisthesis, deformity (degenerative scoliosis or kyphosis), spinal stenosis, and failed previous fusion (pseudarthrosis). DDD is defined as discogenic back pain with degeneration of the disc confirmed by history and radiographic studies. These patients should be skeletally mature and have had at least six (6) months of non-operative treatment. All CALIBER® TPS coated spacers are indicated for the same use as non-coated PEEK spacers.

CALIBER® Spacers are to be filled with autograft bone and/or allogenic bone graft composed of cancellous and/or corticocancellous bone. These devices are intended to be used with supplemental fixation systems that have been cleared for use in the thoracolumbosacral spine (e.g., posterior pedicle screw and rod systems, anterior plate systems, and anterior screw and rod systems).

WARNINGS

One of the potential risks identified with this system is death. Other potential risks which may require additional surgery, include:

- device component fracture,
- · loss of fixation.
- non-union,
- fracture of the vertebrae,
- neurological injury, and
- · vascular or visceral injury.

Certain degenerative diseases or underlying physiological conditions such as diabetes, rheumatoid arthritis, or osteoporosis may alter the healing process, thereby increasing the risk of implant breakage or spinal fracture.

Patients with previous spinal surgery at the level(s) to be treated may have different clinical outcomes compared to those without previous surgery.

The components of this system are manufactured from PEEK radiolucent polymer, commercially pure titanium, titanium alloy and tantalum. Mixing of stainless steel implant components with different materials is not recommended for metallurgical, mechanical and functional reasons.

These warnings do not include all adverse effects that could occur with surgery in general, but are important considerations particular to orthopedic implants. General surgical risks should be explained to the patient prior to surgery.

Use this device as supplied and in accordance with the handling and use information provided below.

PRECAUTIONS

The implantation of intervertebral fusion devices should be performed only by experienced spinal surgeons with specific training in the use of this system because this is a technically demanding procedure presenting a risk of serious injury to the patient. Preoperative planning and patient anatomy should be considered when selecting implant size.

Surgical implants must never be reused. An explanted implant must never be reimplanted. Even though the device appears undamaged, it may have small defects and internal stress patterns which could lead to breakage.

Adequately instruct the patient. Mental or physical impairment which compromises or prevents a patient's ability to comply with necessary limitations or precautions may place that patient at a particular risk during postoperative rehabilitation.

For optimal implant performance, the surgeon should consider the levels of implantation, patient weight, patient activity level, other patient conditions, etc. which may impact the performance of the system.

MRI SAFETY INFORMATION



The CALIBER® Spacers are MR Conditional. A patient with this device can be safely scanned in an MR system meeting the following conditions:

- Static magnetic field of 1.5 Tesla and 3.0 Tesla only
- Maximum spatial field gradient of 3,000 gauss/cm (30 T/m) or less
- Maximum MR system reported, whole body averaged specific absorption rate (SAR) of 1 W/kg

Under the scan conditions defined above, the CALIBER® Spacers are expected to produce a maximum temperature rise of less than or equal to 3.9°C after 15 minutes of continuous scanning.

The image artifact caused by the device is not expected to extend beyond 35mm from the device when imaged with a gradient echo pulse sequence and a 3.0 Tesla MRI system.

CONTRAINDICATIONS

Use of CALIBER® Spacer(s) is contraindicated in patients with the following

- 1. Active systemic infection, infection localized to the site of the proposed implantation, or when the patient has a suspected or documented allergy, foreign body sensitivity, or known intolerance to any of the implant materials.
- 2. Signs of local inflammation.
- 3. Prior fusion at the level(s) to be treated.
- 4. Severe osteoporosis, which may prevent adequate fixation.
- 5. Conditions that may place excessive stresses on bone and implants, such as severe obesity or degenerative diseases, are relative contraindications. The decision whether to use these devices in such conditions must be made by the physician taking into account the risks versus the benefits to the patient.
- 6. Patients whose activity, mental capacity, mental illness, alcoholism, drug abuse, occupation, or lifestyle may interfere with their ability to follow postoperative restrictions and who may place undue stresses on the implant during bony healing and may be at a higher risk of implant failure.
- 7. Any patient not willing to cooperate with postoperative instruction.
- 8. Any condition not described in the indications for use.
- 9. Fever or leukocytosis.
- 10. Morbid obesity.
- Pregnancy.
- 12 Mental illness
- 13. Any other condition which would preclude the potential benefit of spinal implant surgery, such as the presence of tumors or congenital abnormalities, fracture local to the operating site, elevation of sedimentation rate unexplained by other diseases, elevation of the white blood count (WBC), or a marked left shift in the WBC differential count.
- 14. Suspected or documented allergy or intolerance to composite materials.
- 15. Any case not needing a fusion.
- 16. Patients with a known hereditary or acquired bone friability or calcification problem should not be considered for this type of surgery.
- 17. These devices must not be used for pediatric cases, nor where the patient still has general skeletal growth.
- 18. Spondylolisthesis unable to be reduced to Grade 1.
- 19. Any case where the implant components selected for use would be too large or too small to achieve a successful result.
- 20. Any case that requires the mixing of metals from two different components or systems.
- 21. Any patient having inadequate tissue coverage at the operative site or inadequate bone stock or quality.
- 22. Any patient in which implant utilization would interfere with anatomical structures or expected physiological performance.

COMPLICATIONS AND POSSIBLE ADVERSE EVENTS

Prior to surgery, patients should be made aware of the following possible adverse effects in addition to the potential need for additional surgery to correct these effects:

- Loosening, bending or breakage of components
- Displacement/migration of device components
- Tissue sensitivity to implant material
- Potential for skin breakdown and/or wound complications
- Non-union or delayed union or mal-union
- Nerve damage, including loss of neurological function (sensory and/or motor), paralysis, dysesthesia, hyperesthesia, paresthesia, radiculopathy, reflex deficit, cauda equina syndrome
- Dural tears, cerébral spinal fluid leakage
- Fracture of vertebrae
- Foreign body reaction (allergic) to components or debris
- Vascular or visceral injury
- Change in spinal curvature, loss of correction, height and/or reduction

IMPORTANT INFORMATION ON THE CALIBER®-L SPACER

- Urinary retention or loss of bladder control or other types of disorders of the urogenital system
- Ileus, gastritis, bowel obstruction or other types of gastrointestinal system
- Reproductive system compromise including impotence, sterility, loss of consortium and sexual dysfunction.
- Pain or discomfort
- Bursitis
- Decrease in bone density due to stress shielding
- Loss of bone or fracture of bone above or below the level of surgery
- Bone graft donor site pain, fracture, and/or delayed wound healing
- Restriction of activities
- Lack of effective treatment of symptoms for which surgery was intended
- Need for additional surgical intervention
- Death

PACKAGING

These implants and instruments may be supplied pre-packaged and sterile, using gamma irradiation. The integrity of the sterile packaging should be checked to ensure that sterility of the contents is not compromised. Packaging should be carefully checked for completeness and all components should be carefully checked to ensure that there is no damage prior to use. Damaged packages or products should not be used, and should be returned to Globus Medical. During surgery, after the correct size has been determined, remove the products from the packaging using aseptic technique.

The instrument sets are provided nonsterile and are steam sterilized prior to use, as described in the STERILIZATION section below. Following use or exposure to soil, instruments must be cleaned, as described in the CLEANING section below.

HANDLING AND USE

All instruments and implants should be treated with care. Improper use or handling may lead to damage and/or possible malfunction. Products should be checked to ensure that they are in working order prior to surgery. All products should be inspected prior to use to ensure that there is no unacceptable deterioration such as corrosion (i.e. rust, pitting), discoloration, excessive scratches, notches, debris, residue, flaking, wear, cracks, cracked seals, etc. Non-working or damaged instruments should not be used, and should be returned to Globus Medical.

Implants are single use devices and should not be cleaned. Re-cleaning of single use implants might lead to mechanical failure and/or material degradation. Discard any implants that may have been accidently contaminated.

All instruments that can be disassembled must be disassembled for cleaning. All handles must be detached. Instruments may be reassembled following sterilization. The instruments should be cleaned using neutral cleaners before sterilization and introduction into a sterile surgical field or (if applicable) return of the product to Globus Medical.

Cleaning and disinfecting of instruments can be performed with aldehyde-free solvents at higher temperatures. Cleaning and decontamination must include the use of neutral cleaners followed by a deionized water rinse. Note: certain cleaning solutions such as those containing formalin, glutaraldehyde, bleach and/or other alkaline cleaners may damage some devices, particularly instruments; these solutions should not be used.

The following cleaning methods should be observed when cleaning instruments after use or exposure to soil, and prior to sterilization:

- 1. Immediately following use, ensure that the instruments are wiped down to remove all visible soil and kept from drying by submerging or covering with a wet towel
- 2. Disassemble all instruments that can be disassembled.
- 3. Rinse the instruments under running tap water to remove all visible soil. Flush the lumens a minimum of 3 times, until the lumens flush clean.
- 4. Prepare Enzol® (or a similar enzymatic detergent) per manufacturer's recommendations.
- 5. Immerse the instruments in the detergent and allow them to soak for a minimum of 2 minutes.
- 6. Use a soft bristled brush to thoroughly clean the instruments. Use a pipe cleaner for any lumens. Pay close attention to hard to reach areas.
- 7. Using a sterile syringe, draw up the enzymatic detergent solution. Flush any lumens and hard to reach areas until no soil is seen exiting the area.
- 8. Remove the instruments from the detergent and rinse them in running warm tap
- 9. Prepare Enzol® (or a similar enzymatic detergent) per manufacturer's recommendations in an ultrasonic cleaner.
- 10. Completely immerse the instruments in the ultrasonic cleaner and ensure detergent is in lumens by flushing the lumens. Sonicate for a minimum of 3
- 11. Remove the instruments from the detergent and rinse them in running deionized water or reverse osmosis water for a minimum of 2 minutes.
- 12. Dry instruments using a clean soft cloth and filtered pressurized air.
- 13. Visually inspect each instrument for visible soil. If visible soil is present, then repeat cleaning process starting with Step 3.

CONTACT INFORMATION

Globus Medical may be contacted at 1-866-GLOBUS1 (456-2871). A surgical technique manual may be obtained by contacting Globus Medical.

STERILIZATION

These implants and instruments may be available sterile or nonsterile.

Sterile implants and instruments are sterilized by gamma radiation, validated to ensure a Sterility Assurance Level (SAL) of 10°. Sterile products are packaged in a heat sealed container/pouch. The expiration date is provided in the package label. These products are considered sterile unless the packaging has been opened or damaged. Sterile implants and instruments that become nonsterile or have expired packaging are considered nonsterile and may be sterilized according to instructions for nonsterile implants and instruments below. Sterile implants meet pyrogen limit

Nonsterile implants and instruments have been validated to ensure an SAL of 10-6. The use of an FDA-cleared wrap is recommended, per the Association for the Advancement of Medical Instrumentation (AAMI) ST79, Comprehensive Guide to Steam Sterilization and Sterility Assurance in Health Care Facilities. It is the end user's responsibility to use only sterilizers and accessories (such as sterilization wraps, sterilization pouches, chemical indicators, biological indicators, and sterilization cassettes) that have been cleared by the FDA for the selected sterilization cycle specifications (time and temperature).

When using a rigid sterilization container, the following must be taken into consideration for proper sterilization of Globus devices and loaded graphic cases:

- Recommended sterilization parameters are listed in the table below.
- Only FDA-cleared rigid sterilization containers for use with pre-vacuum steam sterilization may be used.
- When selecting a rigid sterilization container, it must have a minimum filter area of 176 in² total, or a minimum of four (4) 7.5in diameter filters.
- No more than one (1) loaded graphic case or its contents can be placed directly into a rigid sterilization container.
- Stand-alone modules/racks or single devices must be placed, without stacking, in a container basket to ensure optimal ventilation.
- The rigid sterilization container manufacturer's instructions for use are to be followed; if questions arise, contact the manufacturer of the specific container for
- Refer to AAMI ST79 for additional information concerning the use of rigid

For implants and instruments provided NONSTERILE, sterilization is recommended (wrapped or containerized) as follows::

Method	Cycle Type	Temperature	Exposure Time	Drying Time
Steam	Pre-vacuum	132°C (270°F)	4 Minutes	30 Minutes
Steam	Pre-vacuum	134°C (273°F)	3 Minutes	30 Minutes

These parameters are validated to sterilize only this device. If other products are added to the sterilizer, the recommended parameters are not valid and new cycle parameters must be established by the user. The sterilizer must be properly installed, maintained, and calibrated. Ongoing testing must be performed to confirm inactivation of all forms of viable microorganisms.

CAUTION: Federal (U.S.A.) Law restricts this Device to Sale by or on the Order of a Physician.

SYMBOL TRANSLATION					
REF	CATALOGUE NUMBER	STERILE R	STERILIZED BY IRRADIATION		
LOT	LOT NUMBER	EC REP	AUTHORISED REPRESENTATIVE IN THE EUROPEAN COMMUNITY		
<u> </u>	CAUTION	<u>ul</u>	MANUFACTURER		
②	SINGLE USE ONLY	Σ	USE BY (YYYY-MM-DD)		
QTY	QUANTITY				

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Globus Medical Valley Forge Business Center 2560 General Armistead Avenue Audubon, PA 19403 www.globusmedical.com

Customer Service:

Phone 1-866-GLOBUS1 (or 1-866-456-2871) 1-866-GLOBUS3 (or 1-866-456-2873)

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