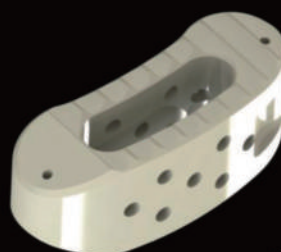
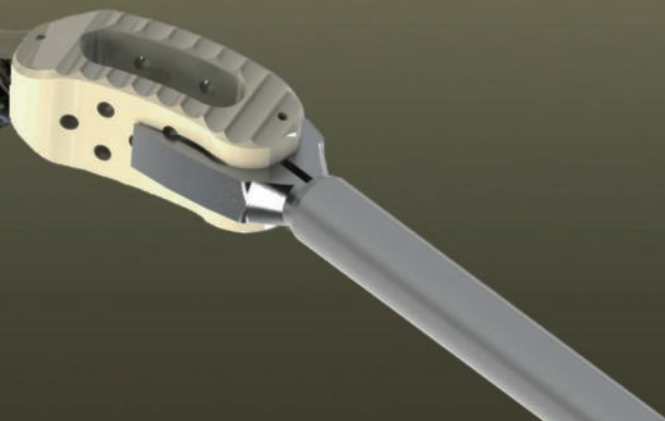
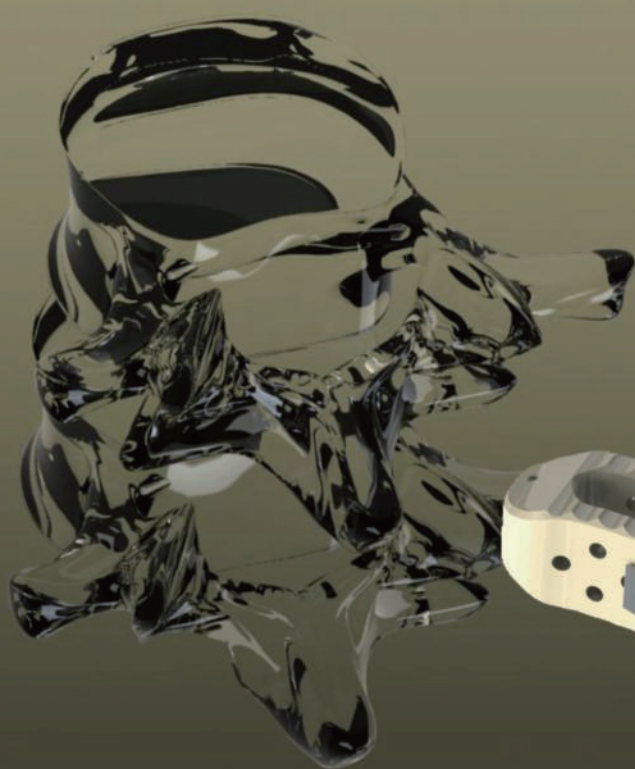


Lumbar  
Product



# Willy™



TLIF  
PEEK Cage



**SOLCO  
SPINE TEAM**

## TLIF (Transforaminal Lumbar Interbody Fusion) Sterilized PEEK Cage System

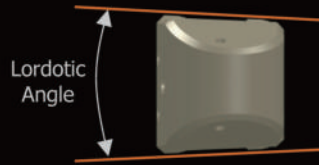
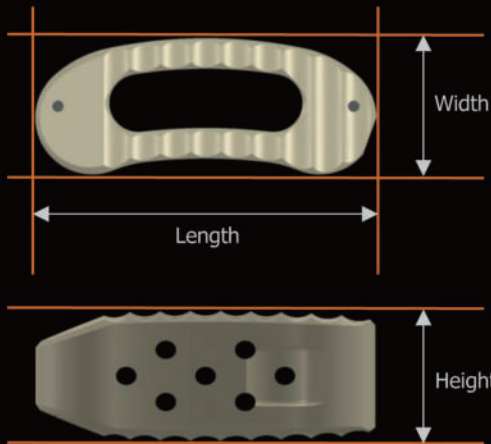
The Willy™ Lumbar Fusion Spacer for transforaminal insertion to the lumbar disc space is another our PEEK cage system that meets our goal to provide state of the art concepts in spinal stabilization systems that :

- Minimize time and material demands
- Simplify instrumentation and implant handling
- Provide reproducible results

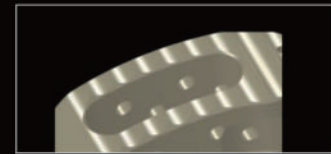
## Feature & Benefit

### Anatomical Shape

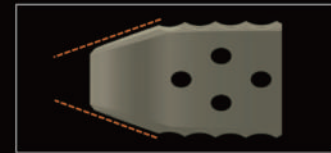
to restore height and lordotic angle in the spine



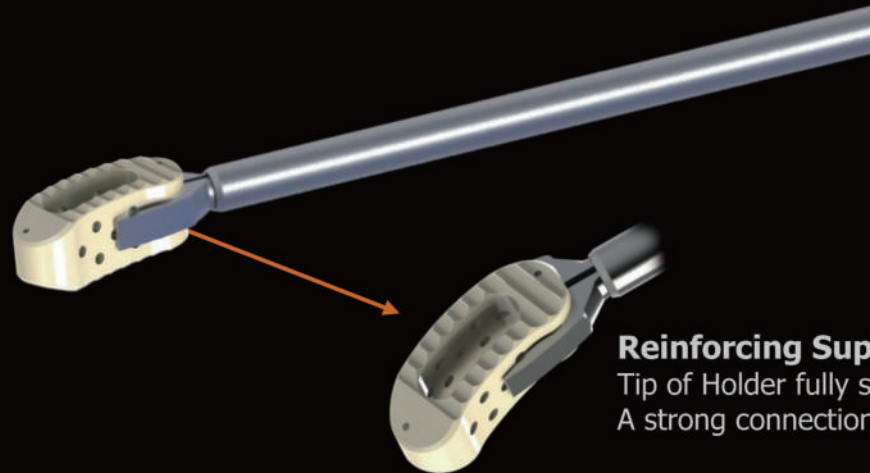
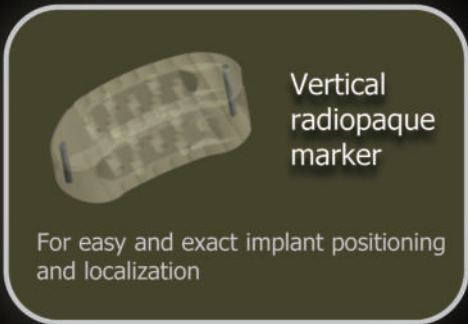
**Serrated P**  
for high prim



**Graft Wind**  
Optimized ra  
contact area

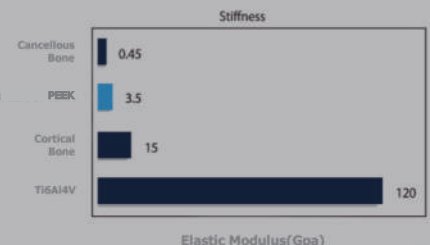


**Bullet Sha**  
to easy initia



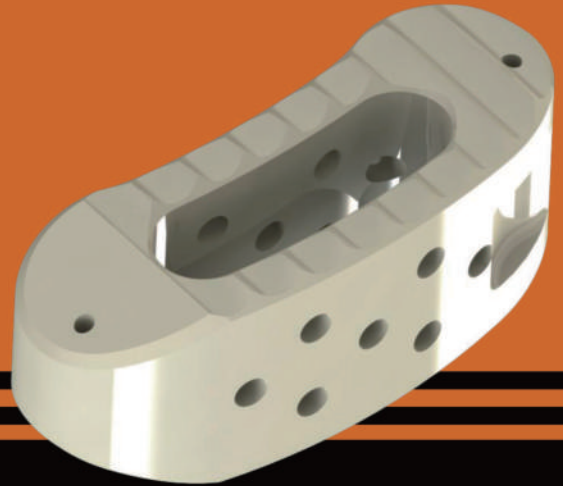
### PEEK (Poly-Ether-Ether-Ketone) Properties

- Biocompatibility
- Radiolucency
- PEEK cage are more than simple spacers permitting vascularization between vertebral endplates, they mediate physiological loading of the bone graft. Its elasticity close to that of cancellous and cortical bone, insures an optimal mechanical behavior contributing to successful fusion.



The Indications include the following :

- Mechanical instability
- Spondylolisthesis
- Spinal stenosis
- Disc herniation
- Degenerative disc disease

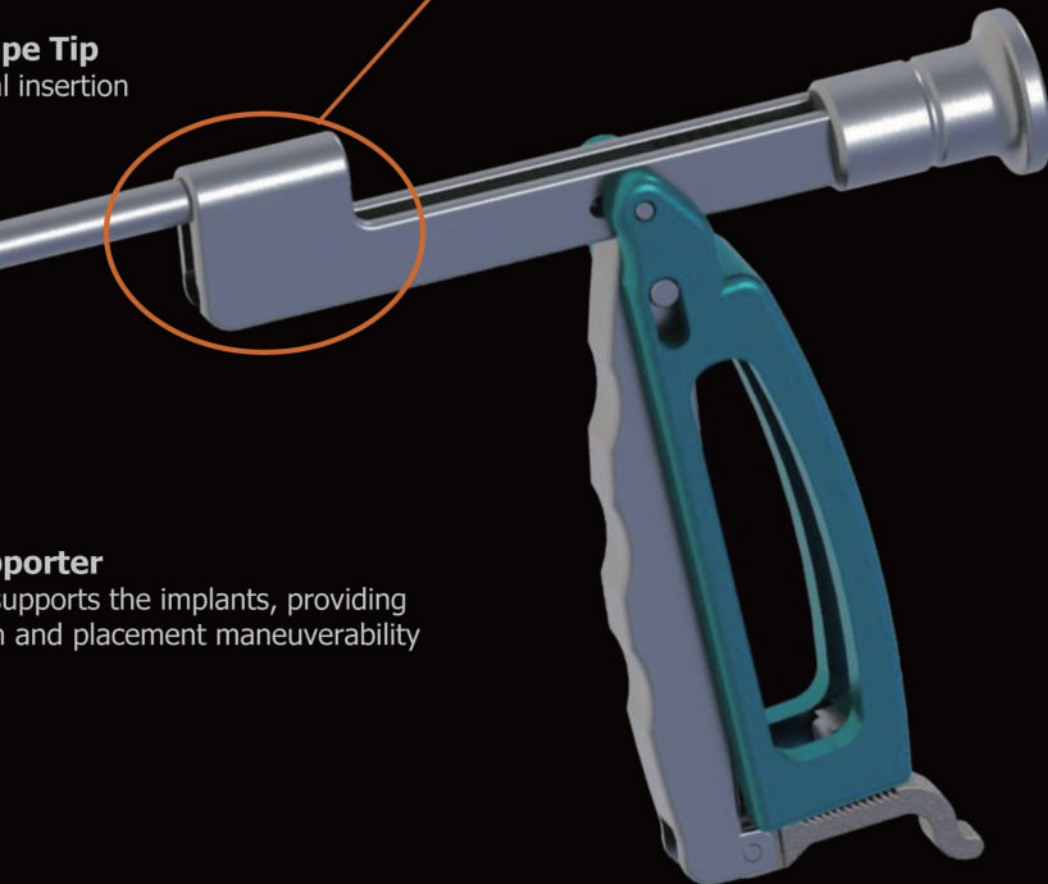


**Profile**  
Primary stability

**Lock**  
Ratio between  
and opening








**Lock Tip**  
Insertion

**Bayoneted Design**  
Expand the visualization when it's  
used with minimal retractor  
tube for MIS surgical  
technique



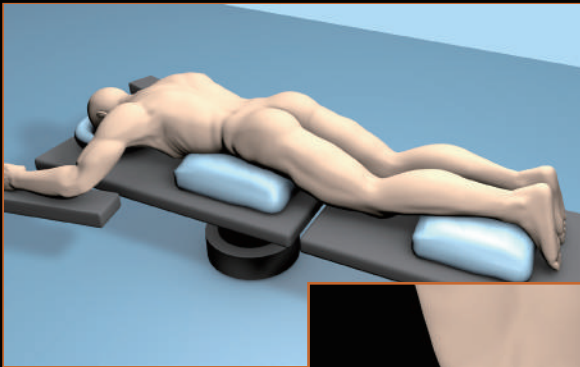
**Supporter**  
Supports the implants, providing  
and placement maneuverability

**Curettes**

-  Cup Curette Straight
-  Cup Curette Left
-  Cup Curette Right
-  Rake Left
-  Rake Right
-  Ring Curette
-  Dual-sided Rasp

# Surgical Technique

## 1. Exposition

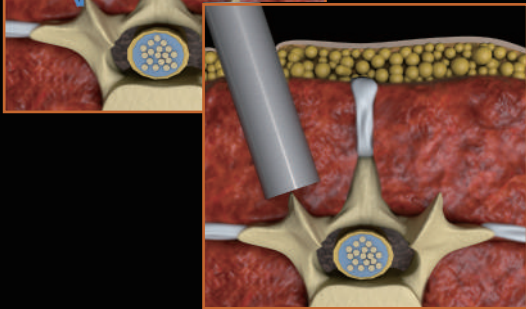


The patient is placed in the prone position.

A slightly arcuate fascial incision 1.5cm from the midline is performed. This allows a firm hold of the speculum and counter retractor, facilitating the exposure of the individual segment.

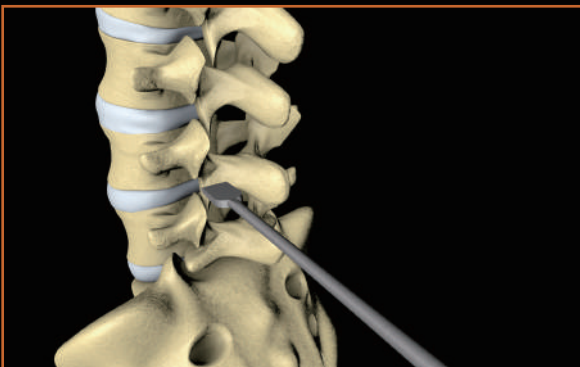


Exposure and blunt dissection of the paraspinal muscles are progressed.

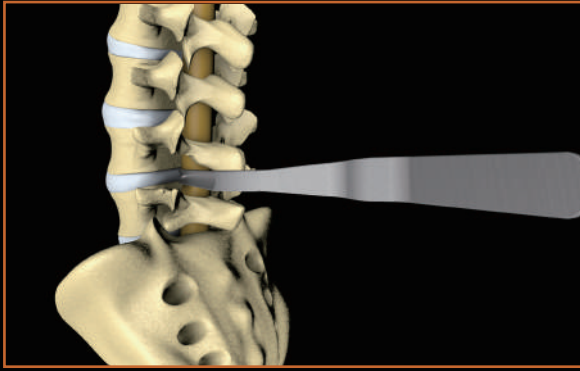


Ultimately, the objective of the transmuscular approach is to perform a laminotomy, medial facetectomy, foraminotomy, TLIF or pedicle screw insertion in a minimally invasive fashion.

## 2. Distraction

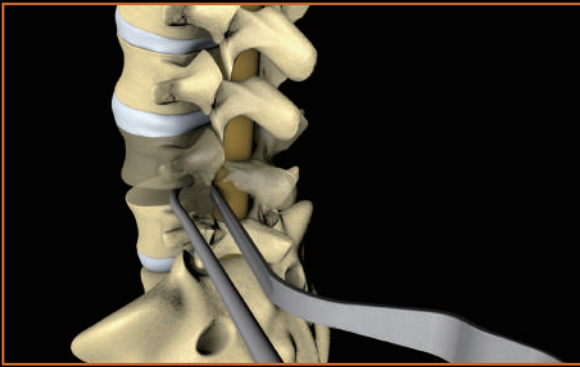


Prepare a window for transforaminal approach, using the osteotomes to remove the inferior facet of the cranial vertebra and the superior facet of the caudal vertebra.



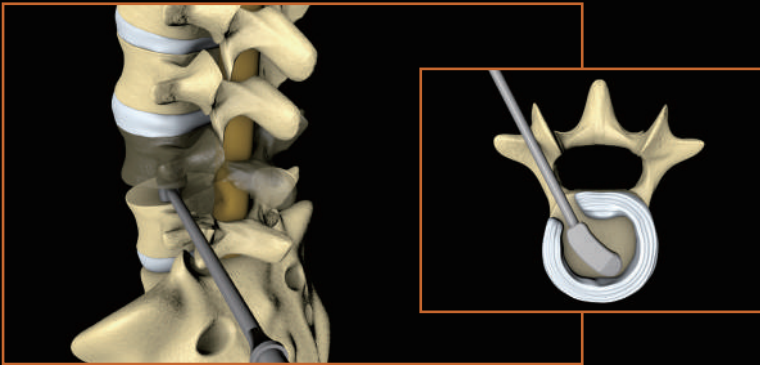
Using Nerve Root Retractor(5901-0098), the caudal equina and nerve are mobilized to expose the annulus of the disc.

### 3. Discectomy



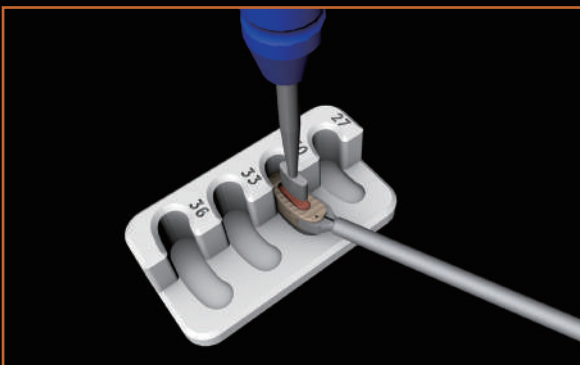
Using scalpel, an incision is made to the Annulus of the disc, and the discectomy is performed as needed using appropriate other discectomy instruments. The disc space is cleared and the cartilaginous endplates are refreshed using curettes, rakes, reamers and rasp.

### 4. Cage Size Selection



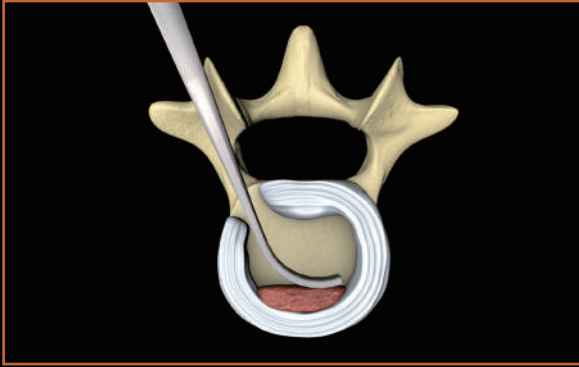
Trials are included to aid in initial test, fitting and size confirmation of the Implant.

### 5. Cage Preparation

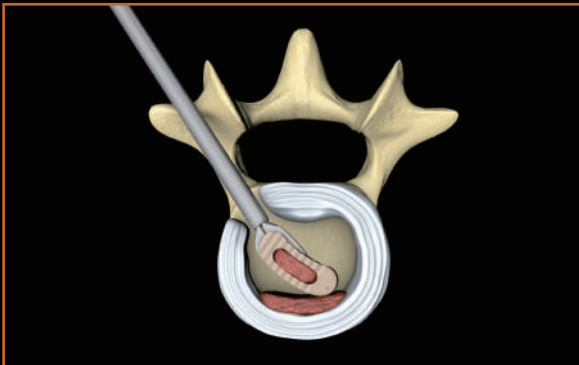


Place bone graft in the fusion chamber of TLIF cage and compact it with the TLIF Bone Graft Impactor (5901-0127).

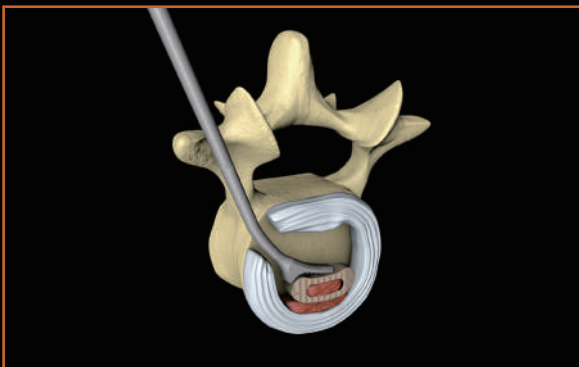
## 6. Cage Insertion



Bone graft can be inserted anteriorly into the disc space before insertion and placement of the cage using the Anterior Graft Pusher (5901-0126).

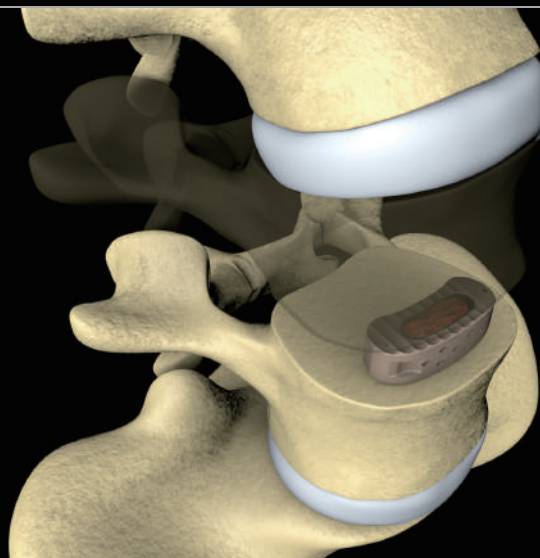


TLIF Cage is inserted using TLIF Cage Inserter through transforaminal approaching. Position the cage in the inter-vertebral space as close as possible to the final position.



After separating the TLIF Cage Inserter from the implant, use the proper shape of TLIF Cage Impactors to place the cage in its final position (anterior, and centered on the vertebral endplate).

It is possible to fill the inter-vertebral space posterior to the cage with bone graft using the Anterior Graft Pusher



## 7. Removal



The Cage can be removed using TLIF Cage Remover (5901-0129) by surgeon's decision.

# Implants

## Lordotic Angle 0°

Length x Width	Height	Part Number
27 x 12mm	7 mm	5810-2707
	8 mm	5810-2708
	9 mm	5810-2709
	10 mm	5810-2710
	11 mm	5810-2711
	12 mm	5810-2712
	13 mm	5810-2713
	14 mm	5810-2714
	15 mm	5810-2715
	16 mm	5810-2716
30 x 12mm	7 mm	5810-3007
	8 mm	5810-3008
	9 mm	5810-3009
	10 mm	5810-3010
	11 mm	5810-3011
	12 mm	5810-3012
	13 mm	5810-3013
	14 mm	5810-3014
	15 mm	5810-3015
	16 mm	5810-3016
33 x 13mm	7 mm	5810-3307
	8 mm	5810-3308
	9 mm	5810-3309
	10 mm	5810-3310
	11 mm	5810-3311
	12 mm	5810-3312
	13 mm	5810-3313
	14 mm	5810-3314
	15 mm	5810-3315
	16 mm	5810-3316
36 x 13mm	7 mm	5810-3607
	8 mm	5810-3608
	9 mm	5810-3609
	10 mm	5810-3610
	11 mm	5810-3611
	12 mm	5810-3612
	13 mm	5810-3613
	14 mm	5810-3614
	15 mm	5810-3615
	16 mm	5810-3616
17 mm	5810-3617	

## Lordotic Angle 5°

Length x Width	Height	Part Number
27 x 12mm	7 mm	5815-2707
	8 mm	5815-2708
	9 mm	5815-2709
	10 mm	5815-2710
	11 mm	5815-2711
	12 mm	5815-2712
	13 mm	5815-2713
	14 mm	5815-2714
	15 mm	5815-2715
	16 mm	5815-2716
30 x 12mm	7 mm	5815-3007
	8 mm	5815-3008
	9 mm	5815-3009
	10 mm	5815-3010
	11 mm	5815-3011
	12 mm	5815-3012
	13 mm	5815-3013
	14 mm	5815-3014
	15 mm	5815-3015
	16 mm	5815-3016
33 x 13mm	7 mm	5815-3307
	8 mm	5815-3308
	9 mm	5815-3309
	10 mm	5815-3310
	11 mm	5815-3311
	12 mm	5815-3312
	13 mm	5815-3313
	14 mm	5815-3314
	15 mm	5815-3315
	16 mm	5815-3316
36 x 13mm	7 mm	5815-3607
	8 mm	5815-3608
	9 mm	5815-3609
	10 mm	5815-3610
	11 mm	5815-3611
	12 mm	5815-3612
	13 mm	5815-3613
	14 mm	5815-3614
	15 mm	5815-3615
	16 mm	5815-3616
17 mm	5815-3617	

## Lordotic Angle 9°

Length x Width	Height	Part Number
27 x 12mm	7 mm	5819-2707
	8 mm	5819-2708
	9 mm	5819-2709
	10 mm	5819-2710
	11 mm	5819-2711
	12 mm	5819-2712
	13 mm	5819-2713
	14 mm	5819-2714
	15 mm	5819-2715
	16 mm	5819-2716
30 x 12mm	7 mm	5819-3007
	8 mm	5819-3008
	9 mm	5819-3009
	10 mm	5819-3010
	11 mm	5819-3011
	12 mm	5819-3012
	13 mm	5819-3013
	14 mm	5819-3014
	15 mm	5819-3015
	16 mm	5819-3016
33 x 13mm	7 mm	5819-3307
	8 mm	5819-3308
	9 mm	5819-3309
	10 mm	5819-3310
	11 mm	5819-3311
	12 mm	5819-3312
	13 mm	5819-3313
	14 mm	5819-3314
	15 mm	5819-3315
	16 mm	5819-3316
36 x 13mm	7 mm	5819-3607
	8 mm	5819-3608
	9 mm	5819-3609
	10 mm	5819-3610
	11 mm	5819-3611
	12 mm	5819-3612
	13 mm	5819-3613
	14 mm	5819-3614
	15 mm	5819-3615
	16 mm	5819-3616
17 mm	5819-3617	



## Instruments

- 5901-0110 Reamer Distractor 7mm
- 5901-0112 Reamer Distractor 9mm
- 5901-0114 Reamer Distractor 11mm
- 5901-0116 Reamer Distractor 13mm
- 5901-0118 Reamer Distractor 15mm
- 5901-0120 Reamer Distractor 17mm



- 5901-0099 Ring Curette



- 5901-0100 Dual-sided Rasp



- 5901-0104 Rake Right



- 5901-0105 Rake Left



- 5901-0107 Cup Curette Left



- 5901-0108 Cup Curette Right



- 5901-0109 Cup Curette Straight



4901-7021 T-Handle



5901-0121 Sliding I-handle



5901-0123 Sliding Hammer



5901-0125 TLIF Bone Graft Supporter



5901-0127 TLIF Bone Graft Impactor



5901-0128 TLIF Cage Holder



5901-0102 TLIF Cage Straight Impactor



5901-0101 TLIF Cage Curved Impactor



5901-0103 TLIF Cage Final Impactor



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5901-0097 Bone Syringe



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5901-0096 Bone Pusher



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5901-0098 Nerve Root Retractor



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5901-0126 Anterior Graft Pusher



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5901-3061 TLIF Cage Trial L27 x W12 / H7

5901-3063 TLIF Cage Trial L27 x W12 / H9

5901-3065 TLIF Cage Trial L27 x W12 / H11

5901-3067 TLIF Cage Trial L27 x W12 / H13

5901-3069 TLIF Cage Trial L27 x W12 / H15



5901-3072 TLIF Cage Trial L30 x W12 / H7

5901-3074 TLIF Cage Trial L30 x W12 / H9

5901-3076 TLIF Cage Trial L30 x W12 / H11

5901-3078 TLIF Cage Trial L30 x W12 / H13

5901-3080 TLIF Cage Trial L30 x W12 / H15

5901-3083 TLIF Cage Trial L33 x W13 / H7

5901-3085 TLIF Cage Trial L33 x W13 / H9

5901-3087 TLIF Cage Trial L33 x W13 / H11

5901-3089 TLIF Cage Trial L33 x W13 / H13

5901-3091 TLIF Cage Trial L33 x W13 / H15

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9901-5030 TLIF PEEK Cage Container I

9901-5031 TLIF PEEK Cage Container II

## Instruments (Optional)

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5901-0111 Reamer Distractor 8mm

5901-0113 Reamer Distractor 10mm

5901-0115 Reamer Distractor 12mm

5901-0117 Reamer Distractor 14mm

5901-0119 Reamer Distractor 16mm




**Willy**<sup>TM</sup>

Transforaminal Lumbar Interbody Fusion  
Sterilized PEEK Cage System

**SOLCO.**

[www.solcobiomedical.com](http://www.solcobiomedical.com)

 ISO 9001 ISO 13485  
0120

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