

SURGICAL TECHNIQUE



Tra-Ti

PLIF Cage

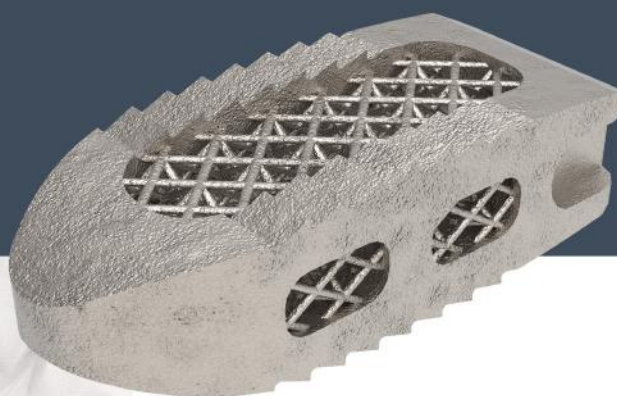


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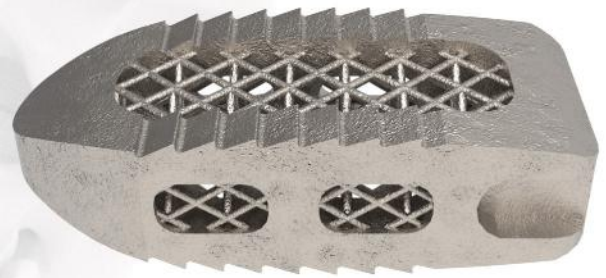
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PLIF Cage

INTRODUCTION

Tra-Ti PLIF Cage Features

- Smooth wedge nose to facilitate insertion.
- Solid-tipped, precisely angled serrations on the superior and inferior surfaces designed for bidirectional fixation and to maximize surface area for endplate contact with the implant.
- Highly porous titanium alloy on top and bottom of implant and all sides of internal graft window.



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INTRODUCTION



Indications

Indications are lumbar and lumbosacral pathologies in which segmental spondylodesis is indicated, for example:

- Degenerative disc diseases and spinal instabilities
- Revision procedures for post-discectomy syndrome
- Pseudarthrosis or failed spondylodesis
- Degenerative spondylolisthesis
- Isthmic spondylolisthesis

Contraindications

- Vertebral body fractures
- Spinal tumors
- Major spinal instabilities
- Primary spinal deformities

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SURGICAL TECHNIQUE

1

Patient positioning



Position the patient in a restored physiological lordosis. (Figure 1a)



Figure 1a

2

Exposure



The PLIF approach can be performed using standard open or minimally invasive techniques. The laminae and articular processes are exposed laterally to the base of the transverse processes. (Figure 2a)



Figure 2a

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SURGICAL TECHNIQUE

3

PLIF Site Preparation



Lumbar Reamer (LPC008) can be used to complete the resection in areas of reduced access or to clear an area for insertion. (Figure 3a, 3b)



Figure 3a



Figure 3b

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4

Determine Implant Size



Impact an appropriately sized **Trial Implant** with the etch representing the axial canal positioned cranial/caudal. **Hammer** (LPC009)



Trial 7 mm (LPC002), Trial 8 mm (LPC003), Trial 9 mm (LPC004), Trial 10 mm (LPC005), Trial 11 mm (LPC006), Trial 12 mm (LPC007)

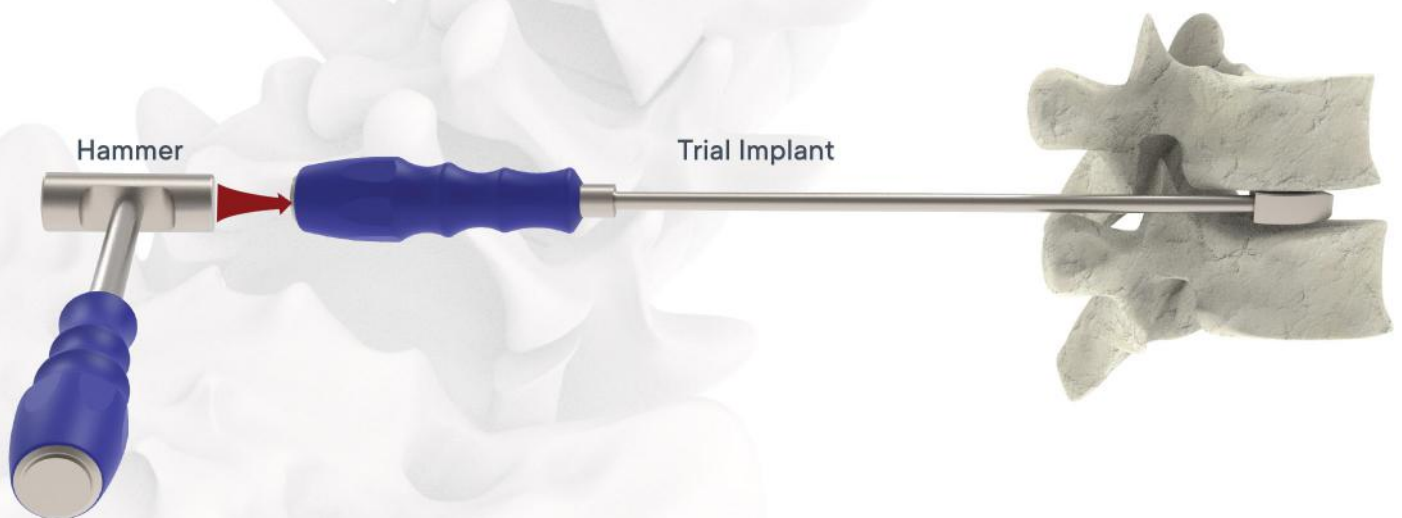


Figure 4a

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SURGICAL TECHNIQUE

5

Implant Insertion



Figure 5b



These parts allow easy grip of the implant. **Implant Holder (LPC001)**



Figure 5a

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5

Implant Insertion



These systems are offered in multiple sizes and lordotic angles, with a central opening that allows for increased graft volume. **Implant Holder (LPC001), Hammer (LPC009)**

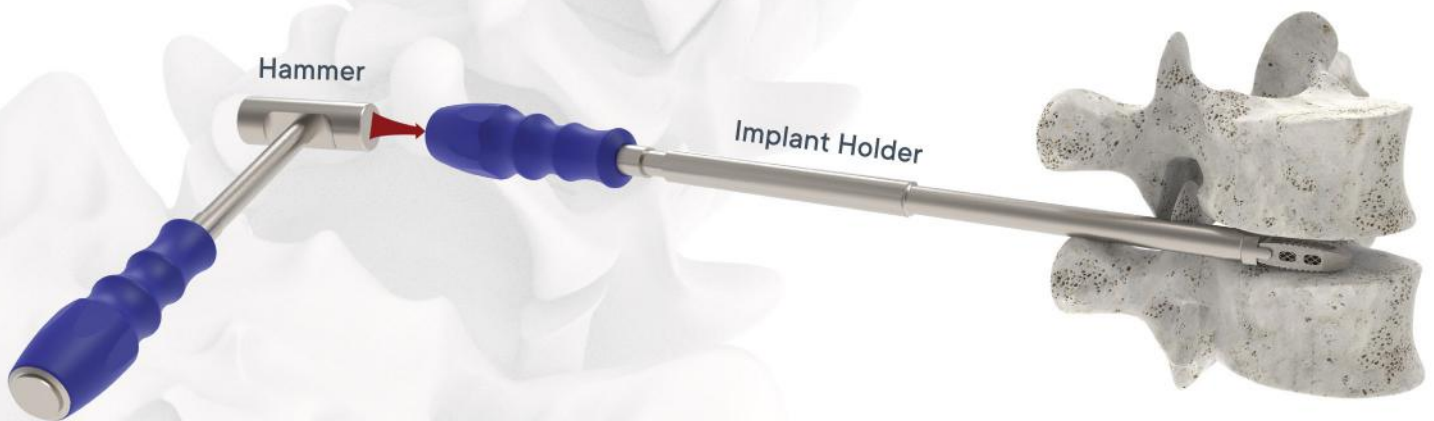


Figure 5c

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SURGICAL TECHNIQUE

5

Final Position



Once inserted, the posterior end of the cage should lie between 2mm-4mm anterior to the posterior vertebral body wall. **Implant Holder (LPC001)** is then release. (Figure 5c)



Figure 4c

6

Removal



For removal step, **Alligator-Exp Extractor (ELPC002)** is placed behind **Alligator-Exp** implant. Retracts by sliding impact. (Figure 6a)



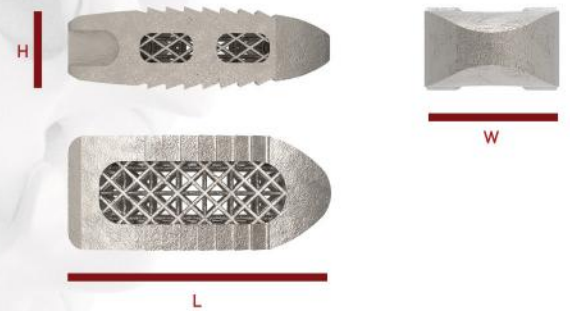
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SIZES OF IMPLANTS

 Tra-Ti PLIF Cage

Catalogue No.	Width	Length	Height
NM-TTP2407	10 mm	24 mm	7 mm
NM-TTP2408	10 mm	24 mm	8 mm
NM-TTP2409	10 mm	24 mm	9 mm
NM-TTP2410	10 mm	24 mm	10 mm
NM-TTP2411	10 mm	24 mm	11 mm
NM-TTP2412	10 mm	24 mm	12 mm
NM-TTP2413	10 mm	24 mm	13 mm
NM-TTP2807	10 mm	28 mm	7 mm
NM-TTP2808	10 mm	28 mm	8 mm
NM-TTP2809	10 mm	28 mm	9 mm
NM-TTP2810	10 mm	28 mm	10 mm
NM-TTP2811	10 mm	28 mm	11 mm
NM-TTP2812	10 mm	28 mm	12 mm
NM-TTP2813	10 mm	28 mm	13 mm
NM-TTP3207	10 mm	32 mm	7 mm
NM-TTP3208	10 mm	32 mm	8 mm
NM-TTP3209	10 mm	32 mm	9 mm
NM-TTP3210	10 mm	32 mm	10 mm
NM-TTP3211	10 mm	32 mm	11 mm
NM-TTP3212	10 mm	32 mm	12 mm
NM-TTP3213	10 mm	32 mm	13 mm



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INSTRUMENT CONTAINER



This container is made of wiremesh stainless steel. It has a high stability, low weight and good sterilization feature.



Container

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INSTRUMENT CONTAINER



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Container

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INSTRUMENT TYPES



Set No.	Catalogue No.	Description	Piece
01	LPC002	7 mm Trial	1
02	LPC003	8 mm Trial	1
03	LPC004	9 mm Trial	1

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INSTRUMENT TYPES

	Set No.	Catalogue No.	Description	Piece
	04	LPC005	10 mm Trial	1
	05	LPC006	11 mm Trial	1
	06	LPC007	12 mm Trial	1
	07	LPC008	Lumbar Reamer	1
	08	LPC001	Implant Holder	1
	09	ELPC001	Alligator-Exp Holder	1
	10	ELPC002	Alligator-Exp Extractor	1
	11	LPC009	Hammer	1

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CONTACT



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