

# TIGERSHARK™ THREADED TL

3D Printed Titanium Curved Interbody







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# Introduction

ChoiceSpine's TigerShark™ Threaded TL is a 3D Printed curved interbody for TLIF procedures. It is offered in many different footprints and 6° lordosis to accommodate patient anatomies. TigerShark Threaded TL features our propriety BioBond™, a porous structure technology designed to promote bone growth. TigerShark Threaded TL has a smooth bullet nose designed for fast insertion. TigerShark Threaded TL system must be used with supplemental fixation for the lumbar spine.

## Patient Positioning and Exposure:

Preoperative planning is important and recommended. The patient is placed in the prone position. Identify the appropriate surgical site using fluoroscopy. Create an incision laterally from the midline for a Transforaminal Lumbar Interbody Fusion (TLIF).

## Discectomy and Endplate Preparation:

Perform a thorough discectomy of the disc space. Distraction consists of opening of the disc space to restore the height of the interbody space and insertion of the cage(s). Distraction starts with the **Paddle Starter** (P070-6008) inserted flat in the disc space and rotated. Impaction can be performed to facilitate its insertion. Next, remove the superficial layers of the endplate using **Paddle Shavers** (P070-2107 through P070-2114; 7mm-14mm) provided to create bleeding bone. Soft tissue and cartilaginous endplate coverings are removed with the **Rasp** (P070-6006 or P070-6007) or **Cup Curettes** (P070-6015 - P070-6021). Scraping of the lower and upper endplates can be performed in a single maneuver with the rasp.



## Implant Sizing:

Choose the appropriate **Trial** (P070-TXXHHAA) and attach it to the **Insertter** (P070-6049). Insert the **Trial** into the intervertebral disc space. Confirm proper placement and location using fluoroscopy. Repeat, using the next size **Trial** if necessary.

Note: (Trials are available in 7mm-14mm)



## Implant Attachment:

Select the appropriately sized implant that corresponds to the previously selected **Trial** size. Tiger-Shark Threaded TL implants are sterile packed. Remove the appropriate implant size from the sterile packaging. Attach the implant to the **Insertor** by mating the posts on the distal end of the **Insertor** with the corresponding implant features. Thread the **Insertor Draw Rod** into the implant until the instrument and implant are flush with one another.

Pack the implant with ChoiceSpine's Stratofuse® Biologics.

## Implant Insertion and Confirmation:

For a transformational implant insertion, angle the **Insertor** laterally from the midline in an oblique trajectory and impact the **Insertor**. Once the implant is in the desired position, rotate the **Insertor Draw Rod** counterclockwise to remove the **Insertor** from the implant. To confirm the implant is in the desired position, identify the implant's radiolucent A/P windows using fluoroscopy. If the depth of the implant needs to be adjusted in the disc space, a **Straight** (P070-6023) or **Angled Tamp** (P070-6024) can be used or reattach the **Insertor** onto the implant.













## Removal:










To remove the implant, thread the implant onto the **Insertor** until fully seated by rotating the center draw rod clockwise. The prongs on the end of the **Insertor** capture in the pockets on each size of the implant. The **Slap Hammer** (P070-6031) works in conjunction with the **Insertor** to assist in the removal of the implant. Place the slot of the **Slap Hammer** over the **Insertor** shaft, slide the **Slap Hammer** along the inserter shaft and strike the shoulder of the proximal end of the **Insertor**.

## TigerShark™ Threaded TL Instruments:

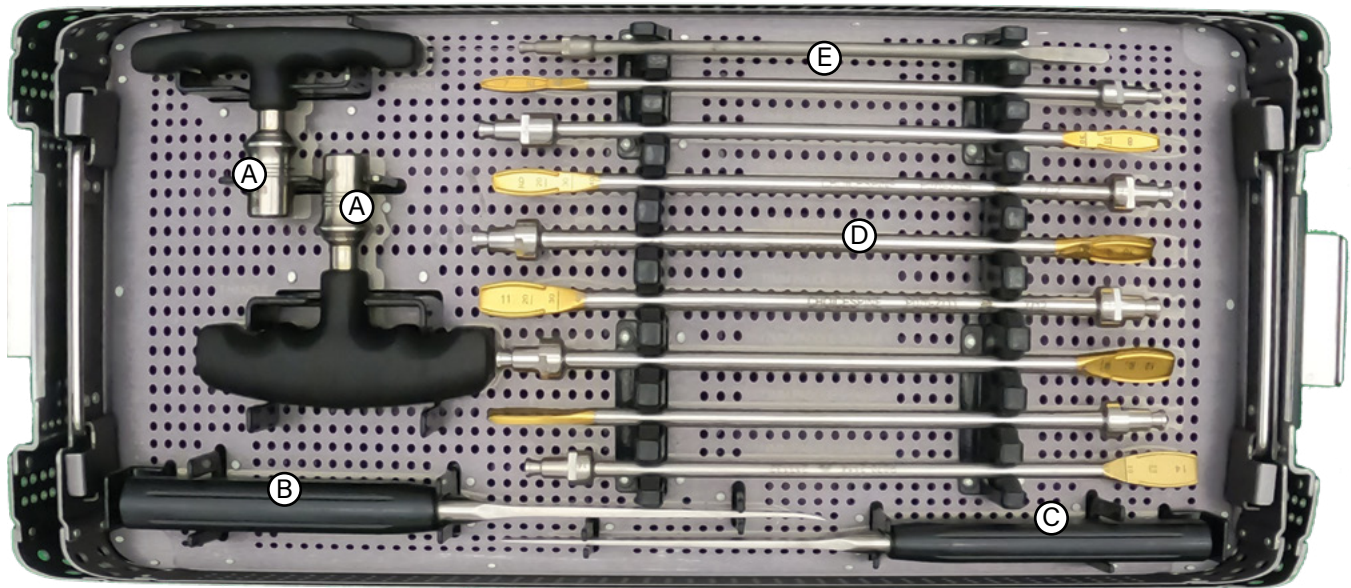
Part Number	Description	Image
P070-2107	7mm PADDLE SHAVER	
P070-2108	8mm PADDLE SHAVER	
P070-2109	9mm PADDLE SHAVER	
P070-2110	10mm PADDLE SHAVER	
P070-2111	11mm PADDLE SHAVER	
P070-2112	12mm PADDLE SHAVER	
P070-2113	13mm PADDLE SHAVER	
P070-2114	14mm PADDLE SHAVER	
P070-6003	QUICK CONNECT T-HANDLE	
P070-6008	PADDLE STARTER	

Part Number	Description	Image
P070-6006	STRAIGHT RASP	
P070-6007	ANGLED RASP	
P070-6015	SMALL STRAIGHT CUP CURETTE	
P070-6016	LARGE STRAIGHT CUP CURETTE	
P070-6017	ANGLED CUP CURETTE	
P070-6018	RIGHT ANGLE CUP CURETTE	
P070-6019	LEFT ANGLE CUP CURETTE	
P070-6020	REVERSE ANGLED CUP CURETTE	
P070-6021	DOWN PUSHING CUP CURETTE	
P070-6022	MULTI-TOOL	



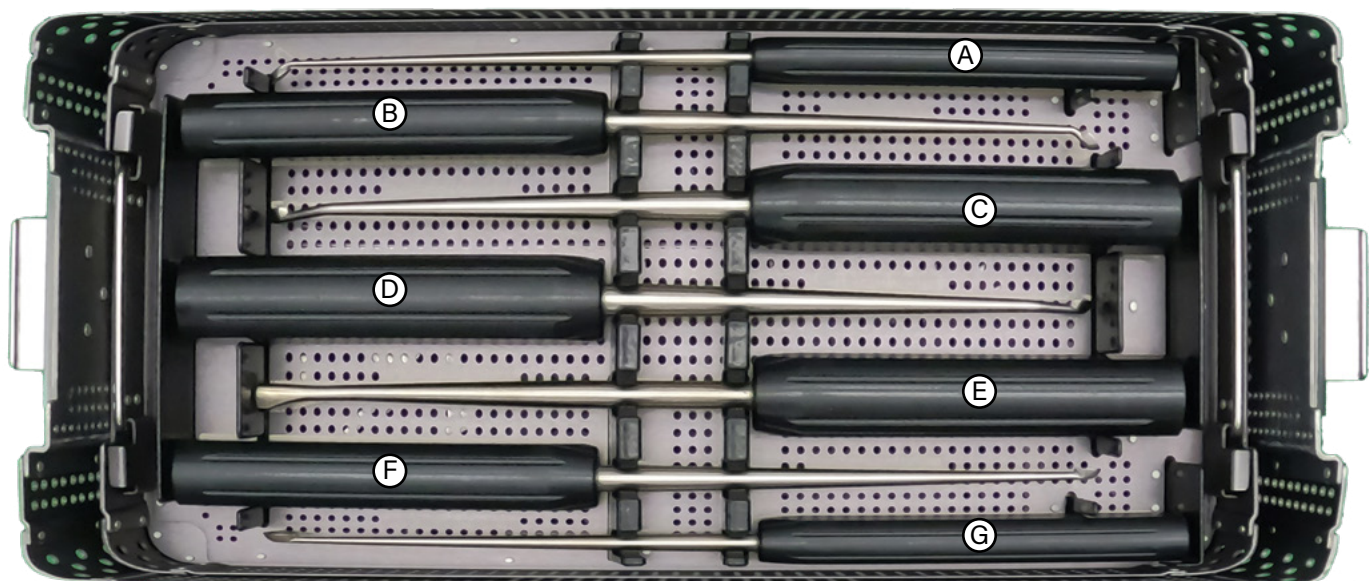
Part Number	Description	Image
P070-6023	STRAIGHT TAMP	
P070-6024	ANGLED TAMP	
P070-6031	SLAP HAMMER	
P070-6009	STRAIGHT OSTEOTOME	
P070-6010	CURVED OSTEOTOME	
P070-6049	2 PIECE PISTOL INSERTER	
P070-6012	STRAIGHT RONGEUR	
P070-6013	UPBITING RONGEUR	
P070-6014	DOWNBITING RONGEUR	

## Posterior Lumbar Interbody Disc Prep Top Tray



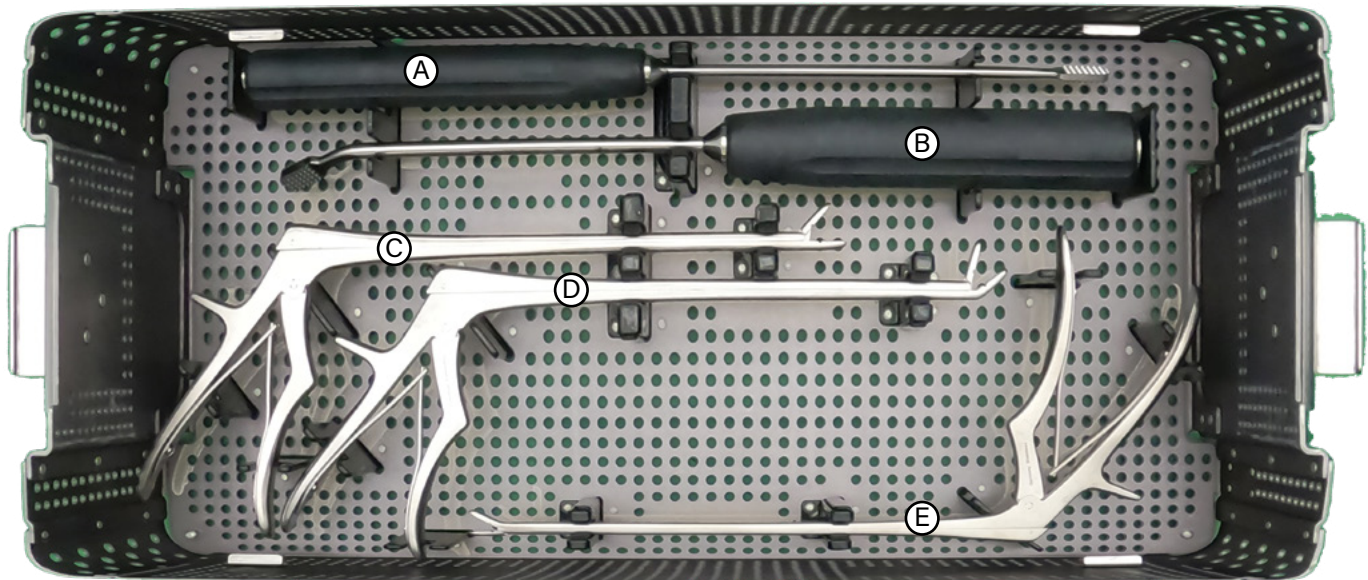
- Ⓐ Quick Connect T- Handle
  - Ⓑ Curved Osteotome
  - Ⓒ Straight Osteotome
- Ⓓ Paddle Shavers (7mm-14mm)
  - Ⓔ Paddle Starter

## Posterior Lumbar Interbody Disc Prep Middle Tray



- Ⓐ Angled Curette
  - Ⓑ Reverse Curette
  - Ⓒ Right Angle Curette
- Ⓓ Left Angled Curette
  - Ⓔ Down Pushing Curette
  - Ⓕ Small Straight Curette
- Ⓖ Large Straight Curette

## Posterior Lumbar Interbody Disc Prep Bottom Tray



Ⓐ Straight Rasp

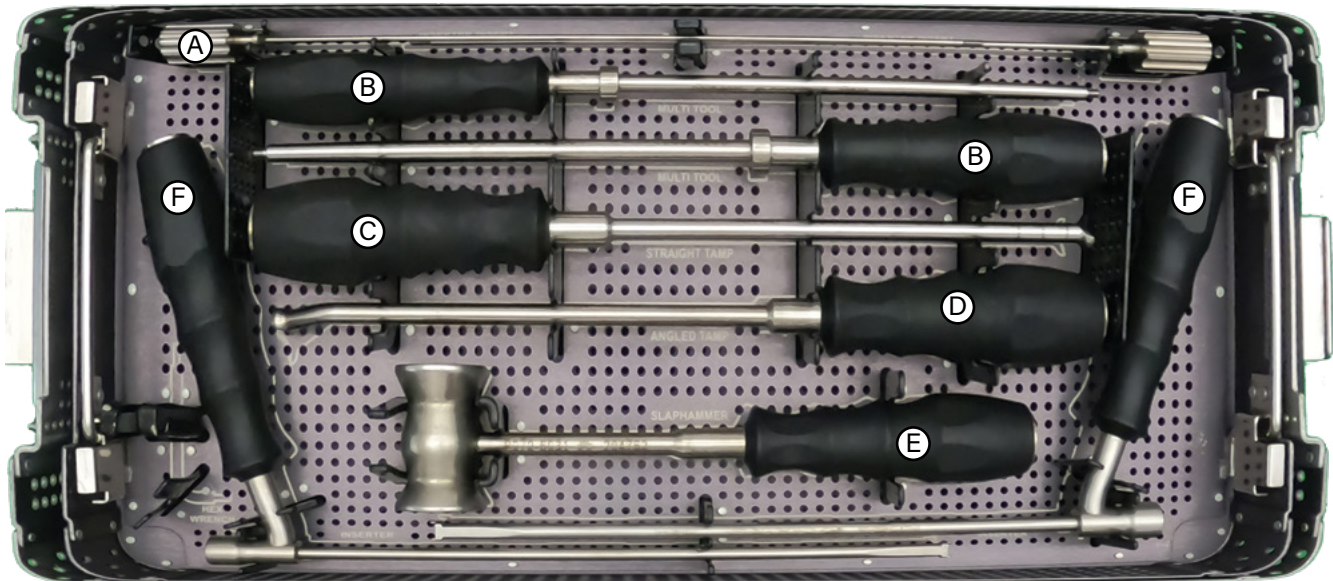
Ⓑ Angled Rasp

Ⓒ Straight Rongeur

Ⓓ Up Biting Rongeur

Ⓔ Down Biting Rongeur

## Posterior Lumbar Interbody Insertion Top Tray



Ⓐ Draw Rod

Ⓑ Multi Tool

Ⓒ Straight Tamp

Ⓓ Angled Tamp

Ⓔ Slap Hammer

Ⓕ Pistol Inserter

For Instructions for Use please visit <https://choicospine-eifu.com/>



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