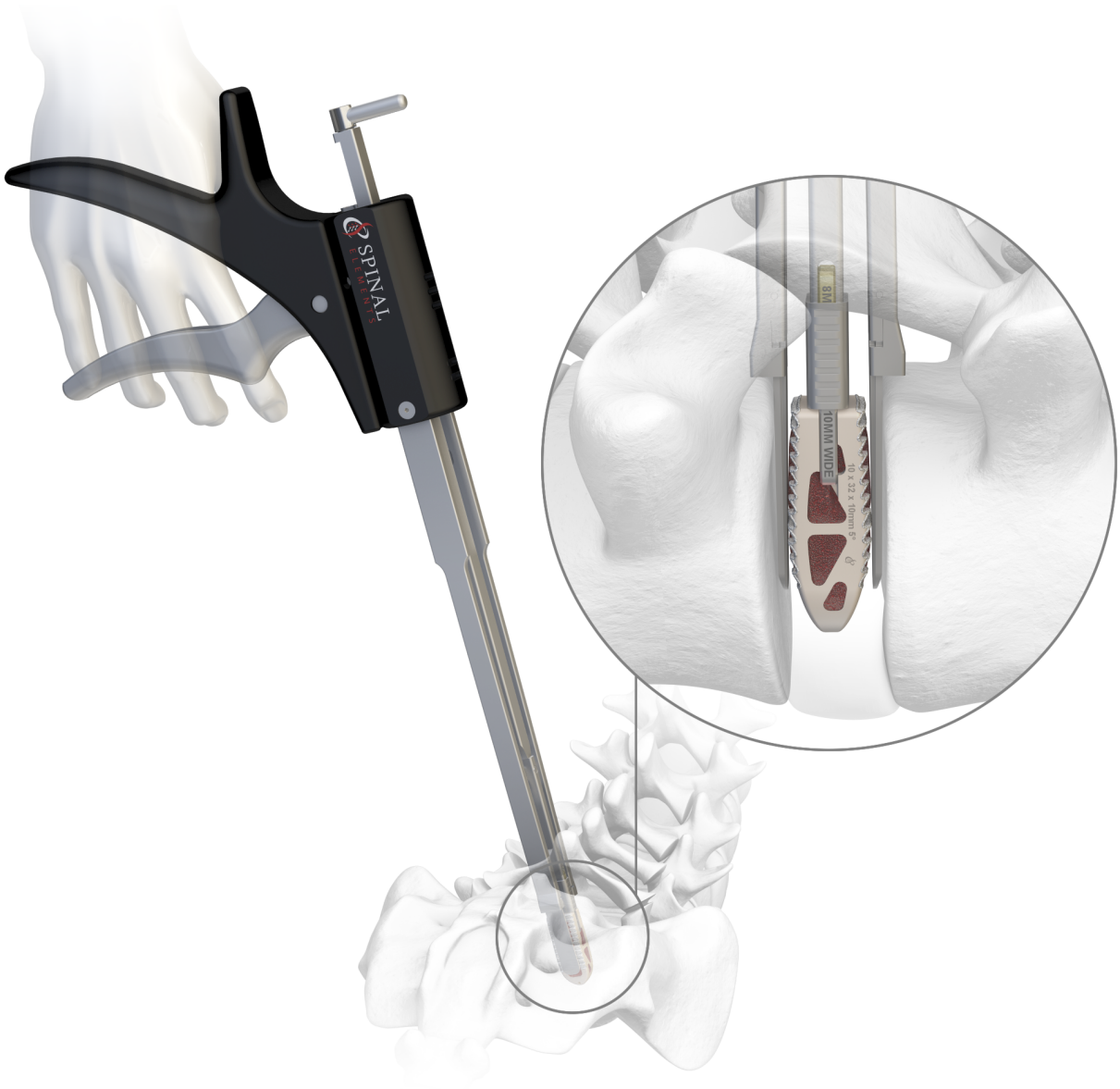
Controlled Delivery Systems®

PLIF / TLIF

Technique Guide



The New
Surgical Standard.

SPINAL elements®

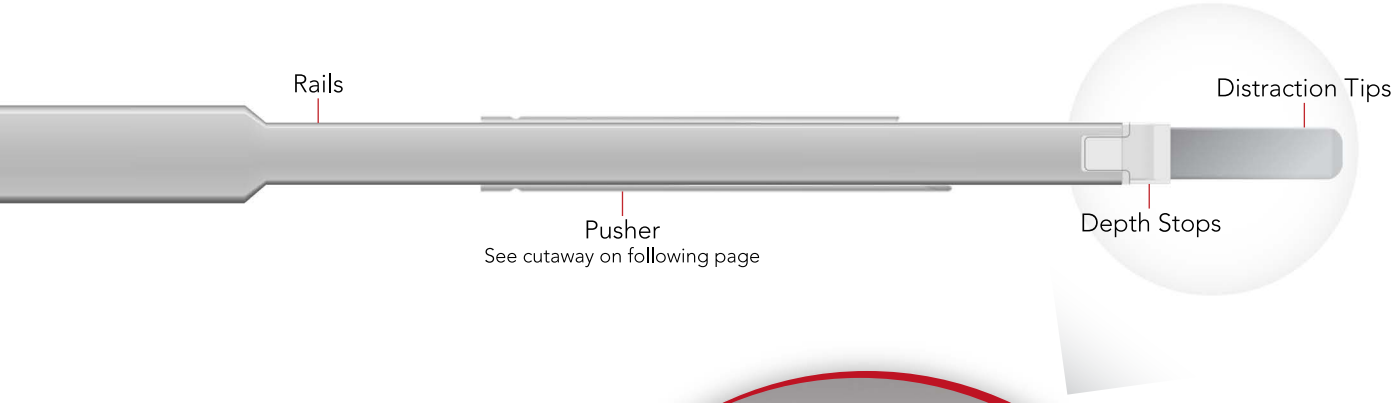
Controlled Delivery Guns: PLIF / TLIF

Lucent® Controlled Delivery Guns are designed to simultaneously distract adjacent vertebrae while inserting the interbody implant. The Lucent Guns deliver PLIF and TLIF implants to the disc space with maximum control over force and trajectory, while providing true tactile feedback and shielded nerve root protection for the utmost surgical confidence.

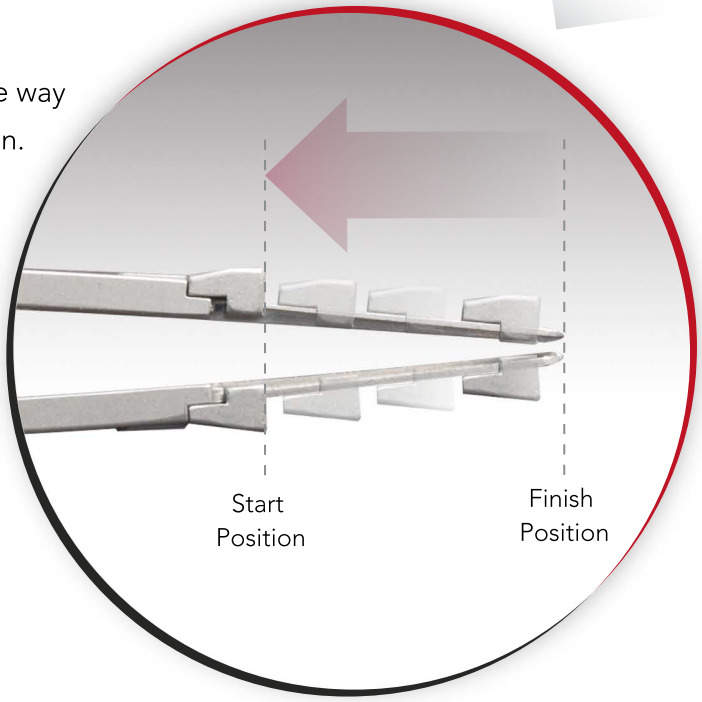
TECHNIQUE:

1 | Prepare Gun

A
1. Rotate Lever down (arrows in opposite directions) to disengage ratcheting teeth, and pull Shaft away from Gun.
2. Rotate Lever up (arrows in the same direction) to re-engage ratcheting teeth.



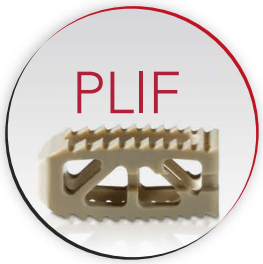
B Push Depth Stops all the way back to the Start Position.

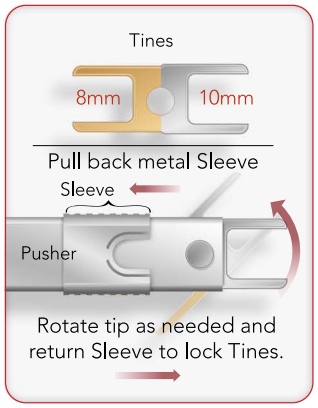


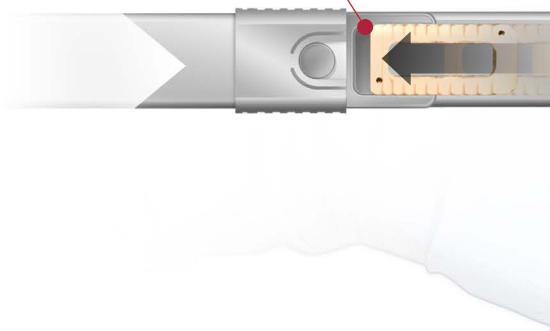
2 | Load Implant

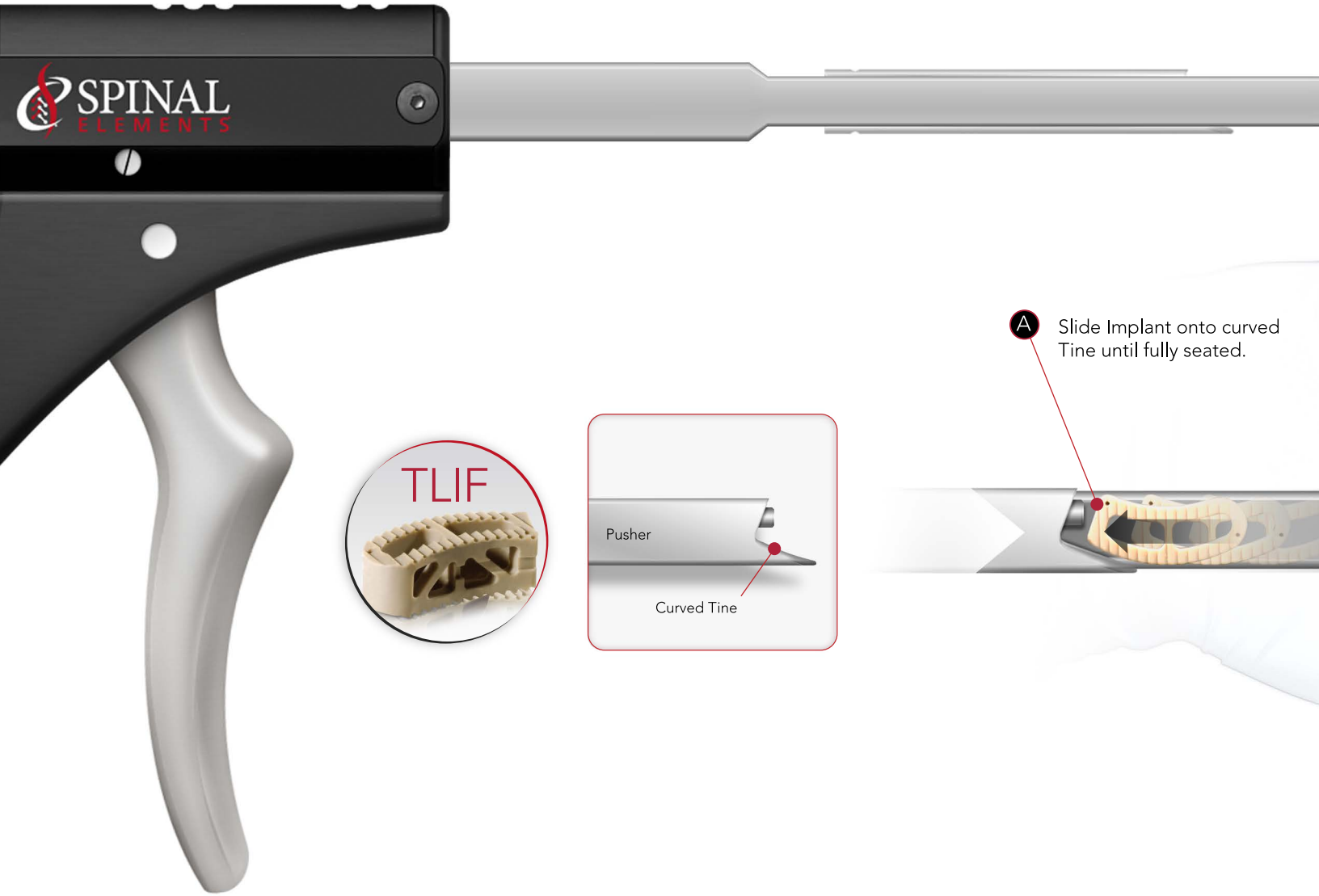
A PLIF ONLY: Select proper Tine.
8mm Implant uses gold Tine;
10mm Implant uses silver Tine.

B Slide Implant grooves into Tine until fully seated.



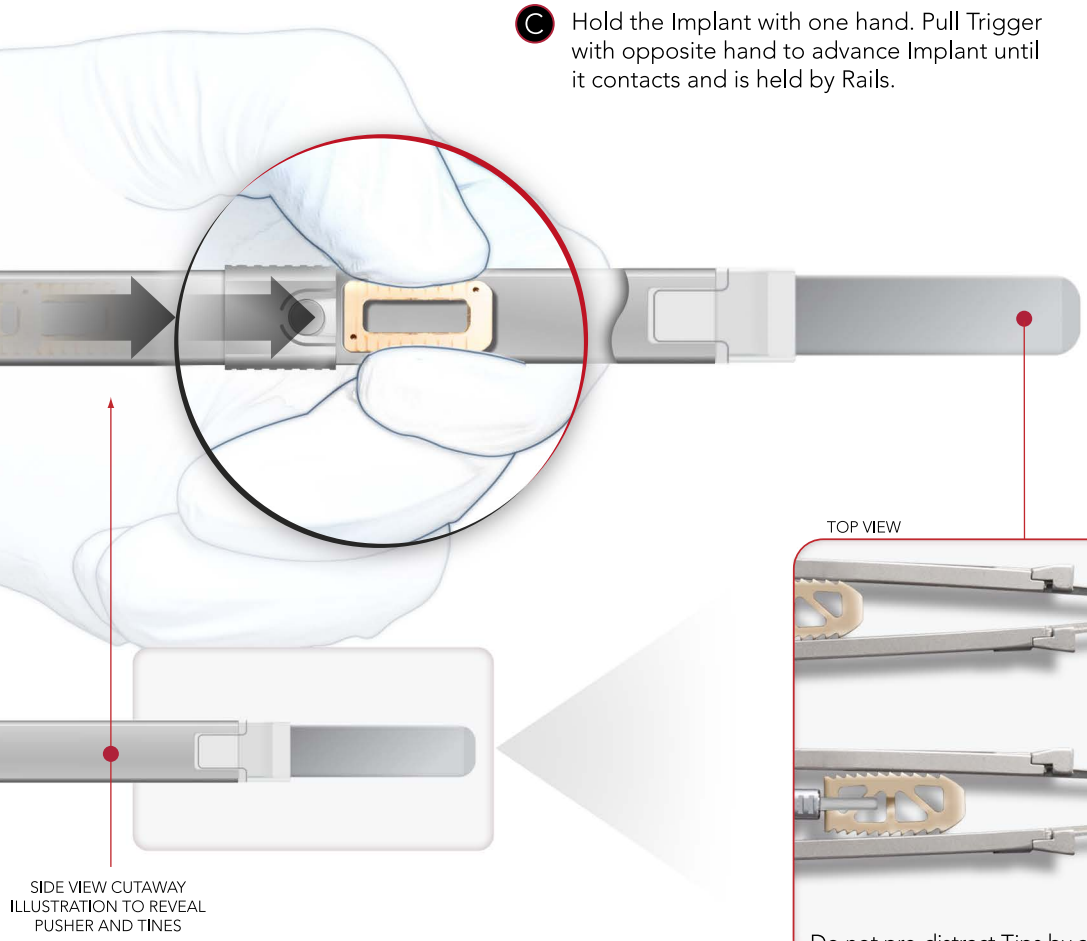






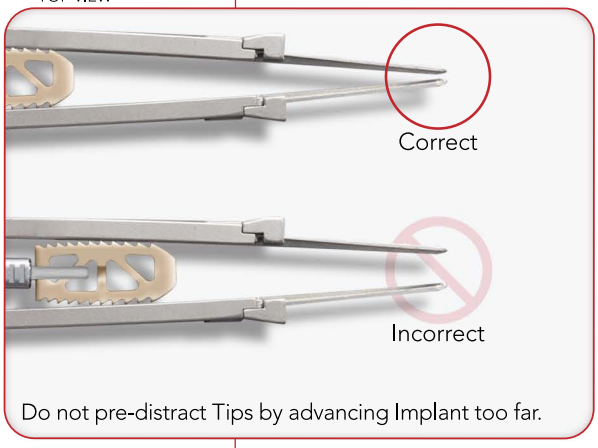
A Slide Implant onto curved Tine until fully seated.

C Hold the Implant with one hand. Pull Trigger with opposite hand to advance Implant until it contacts and is held by Rails.



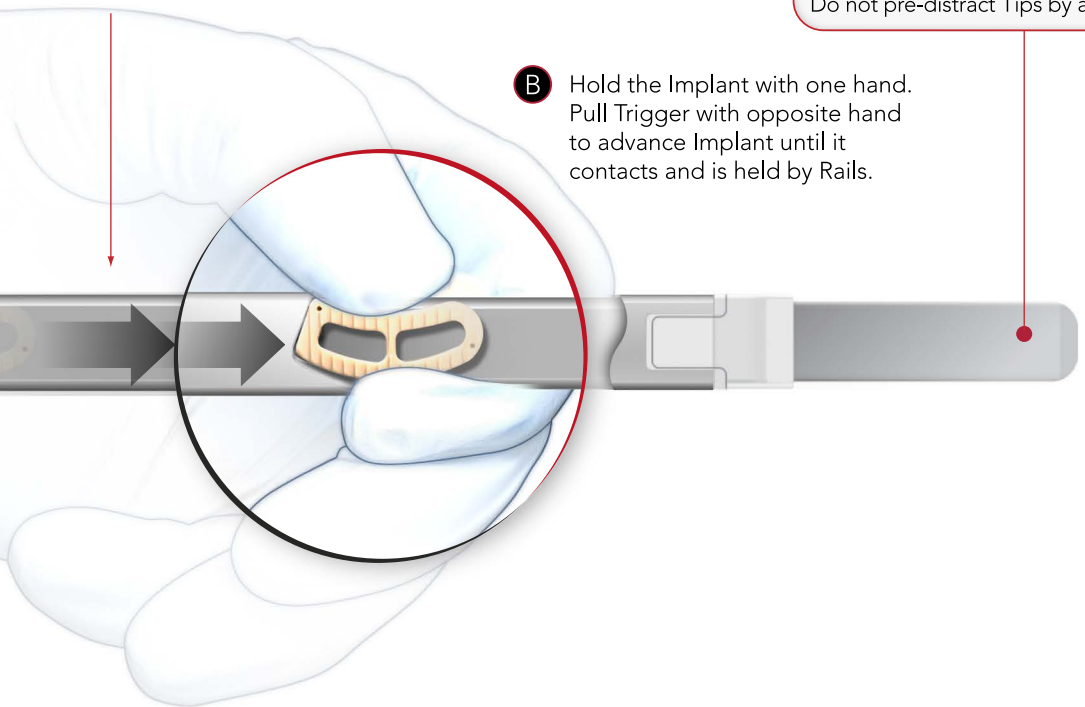
SIDE VIEW CUTAWAY ILLUSTRATION TO REVEAL PUSHER AND TINES

TOP VIEW



Do not pre-distract Tips by advancing Implant too far.

B Hold the Implant with one hand. Pull Trigger with opposite hand to advance Implant until it contacts and is held by Rails.

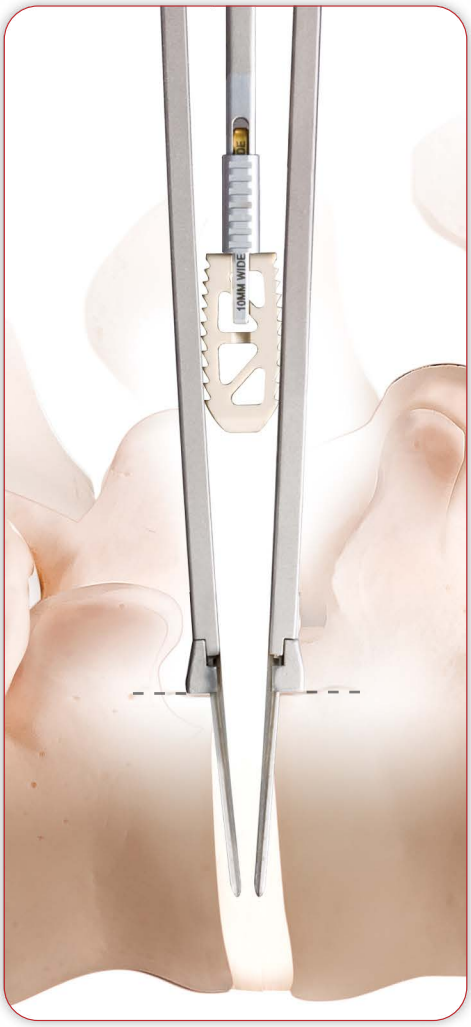


3 | Insert Implant

PLIF

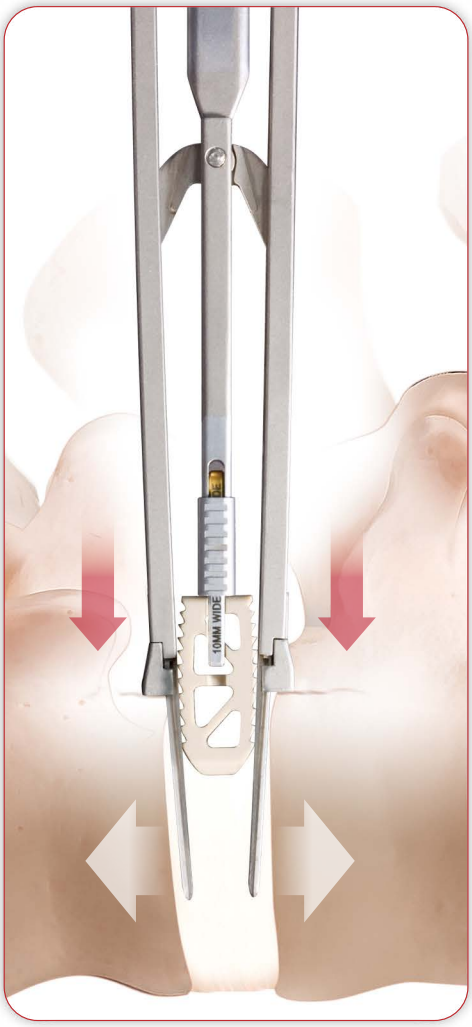
TLIF

Ⓐ Insert Gun Tips until Depth Stops are flush with adjacent vertebral bodies.



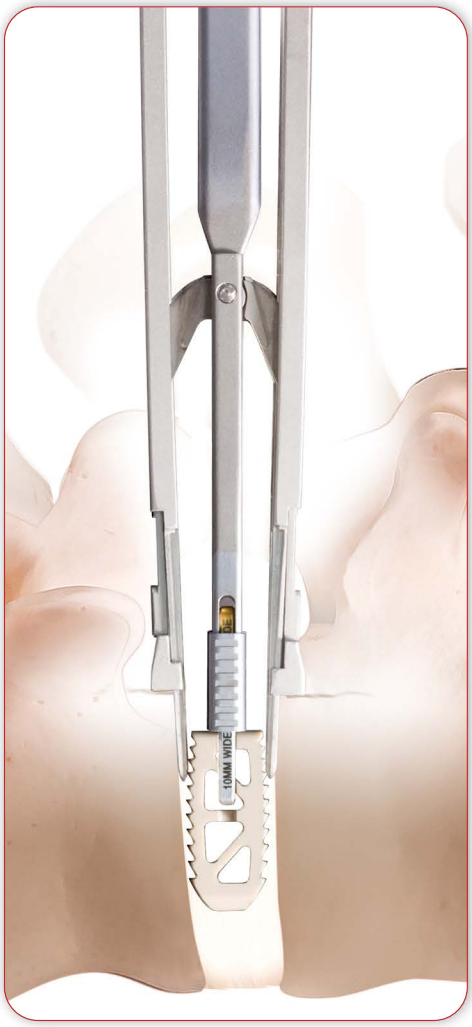
- For especially tight disc space, lightly tap Handle Strike Plate until Depth Stops are flush.

B Pull Trigger to advance Implant into disc space.



- Continue to apply sufficient pressure to maintain direct contact with both vertebrae during insertion. For especially tight disc space, lightly tap on Shaft Strike Plate to advance Implant.

C Continue to apply downward pressure and advance Implant as Depth Stops progress to Finish Position.



- Distraction Tips protect anatomy from teeth upon insertion.

D Pull Trigger until Implant ejects from the Gun.

- Depth Stops eject Gun from disc space.

Controlled Delivery Systems®

PLIF / TLIF

Technique Guide

Controlled Delivery Systems

- Control force and trajectory
- Reduce or eliminate need for impaction
- Shield exiting nerve roots
- Ideal for MIS applications

Spinal Elements offers a full line of Controlled Delivery Guns for all your lumbar needs: Stand-alone ALIF, ALIF, PLIF and TLIF.

SPINAL elements®

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