

# PATIENT-SPECIFIC SURGICAL PLAN

Case ID

Patient

Date of Birth

Surgeon



Confirm the Case ID matches the patient receiving treatment. Ensure the label at the top of each Guide matches this Case ID.

Guided Level(s)	OrthoPediatics: RESPONSE	
	Left (mm)	Right (mm)
<b>T2</b>	5.5 X 30	6.0 X 30
<b>T3</b>	5.5 X 30	5.5 X 30
<b>T5</b>	5.5 X 35	5.5 X 35
<b>T7</b>	5.5 X 35	5.5 X 35
<b>T9</b>	6.0 X 40	6.0 X 40
<b>T10</b>	6.0 X 40	6.0 X 40
<b>T11</b>	6.0 X 40	5.0 X 40
<b>T12</b>	5.0 X 40	5.0 X 40
<b>L1</b>	5.5 X 40	6.0 X 40
<b>L2</b>	6.0 X 45	6.5 X 45
<b>L4</b>	6.5 X 45	6.5 X 45
<b>L5</b>	6.5 X 40	6.5 X 40
<b>S2</b>	7.0 X 80	7.0 X 80

Note: Please review the pedicle screw spinal system labeling for its cleared indications for use and surgical technique.

Note: If applicable, compatible guided taps for this pedicle screw system are listed on page 21.

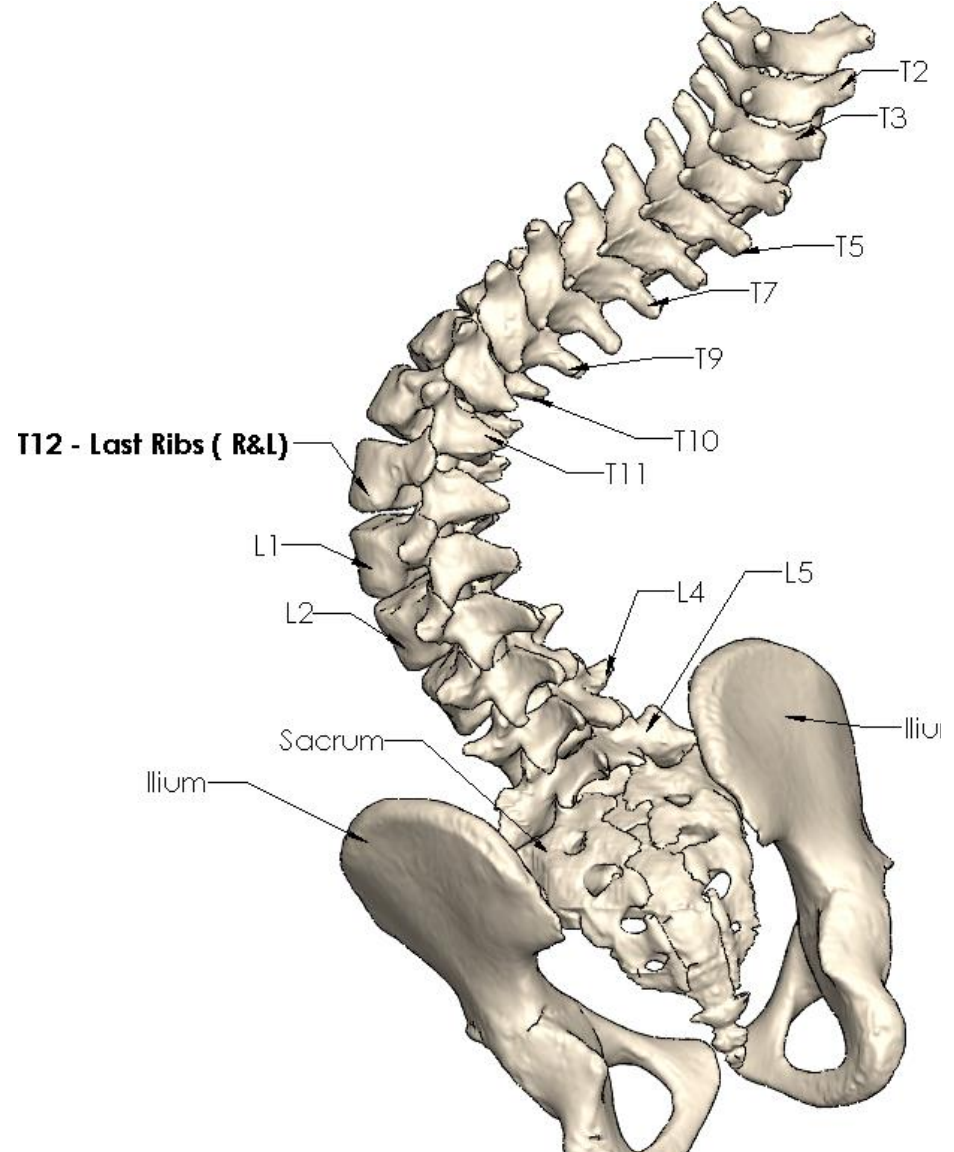
# Level Identification

CT Acquisition Date:

## All Anatomy Present in CT Scan

Thoracic Region in CT	T1-T12
Lumbar Region in CT	L1-L5
Last Rib – Right Side	T12
Last Rib – Left Side	T12
Additional Notes	Sacralized L5

## FIREFLY Region of Interest

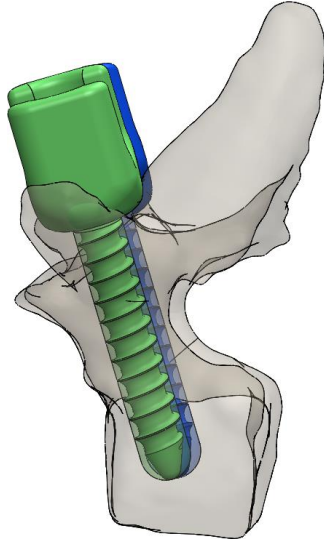


Anatomical models were generated from the CT scan acquired on the date listed above. Please alert Mighty Oak Medical to any errors in anatomical level identification.

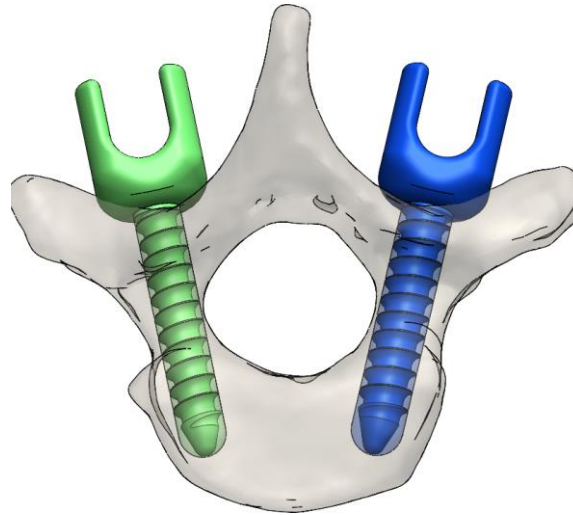
# T2

- Left Pedicle Screw **5.5 x 30** mm
- Right Pedicle Screw **6.0 x 30** mm

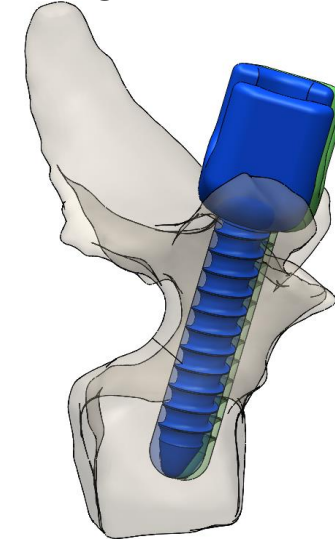
Left Lateral



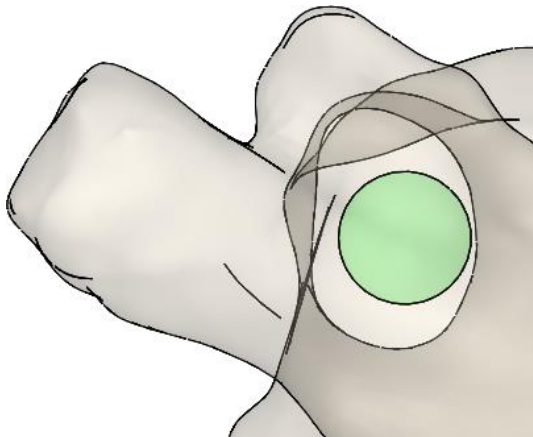
Transverse



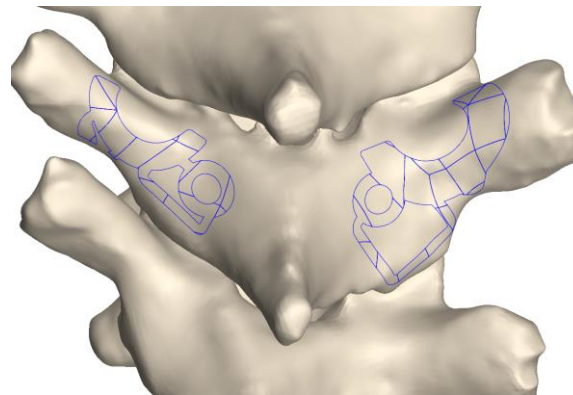
Right Lateral



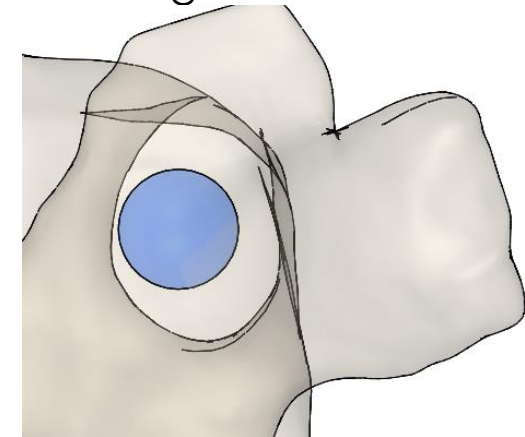
Left Pedicle



Guide Fit



Right Pedicle



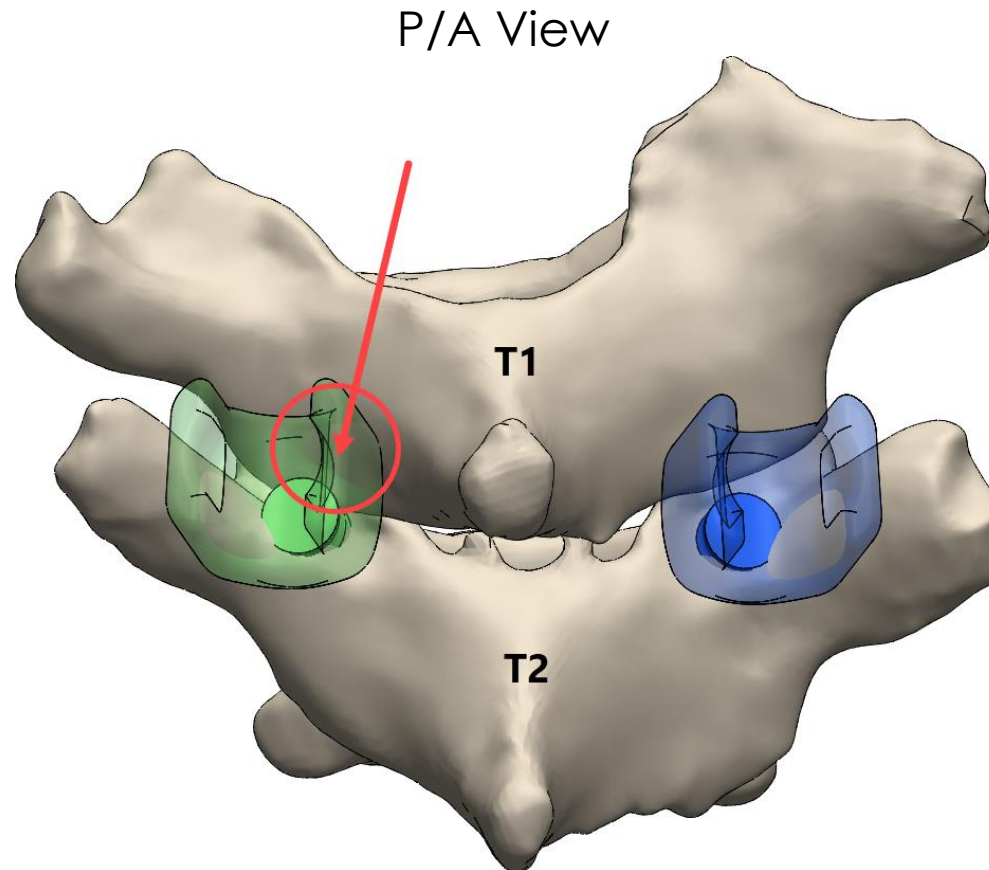
Level Information: Unilateral guides, screw head interference

# T2

- Left Pedicle Screw **5.5 x 30** mm
- Right Pedicle Screw **6.0 x 30** mm

## Supplemental Information

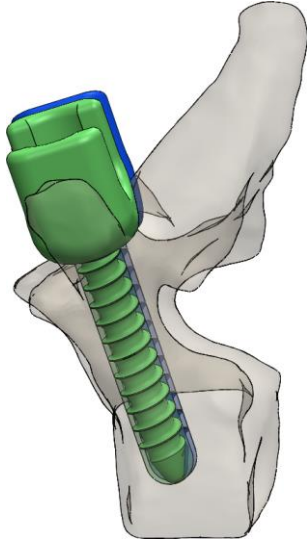
There is potential for screw head interference with the adjacent, unguided T1 level.



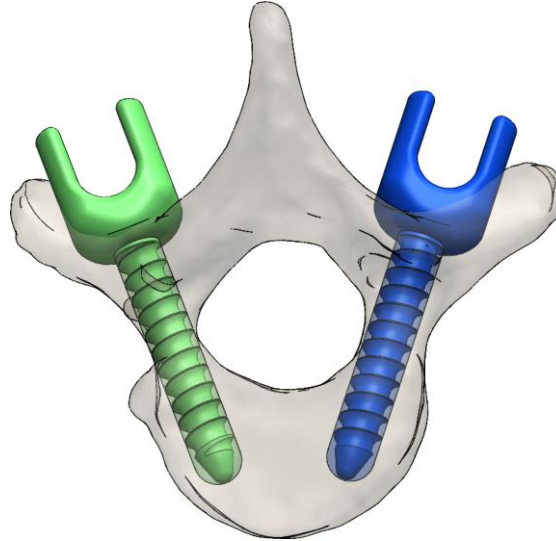
# T3

- Left Pedicle Screw **5.5 x 30** mm
- Right Pedicle Screw **5.5 x 30** mm

Left Lateral



Transverse



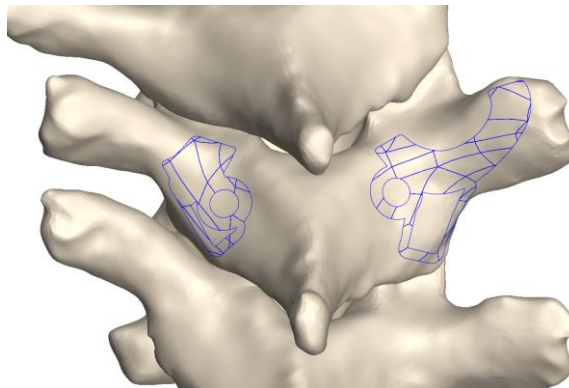
Right Lateral



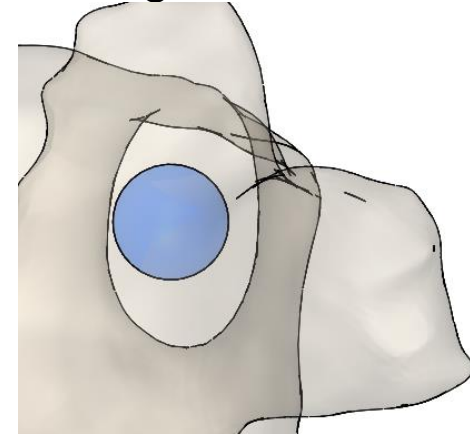
Left Pedicle



Guide Fit



Right Pedicle

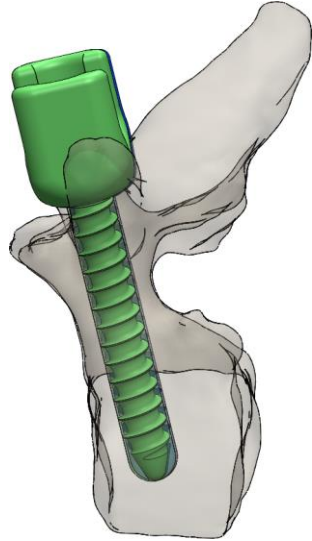


Level Information: Left lateral breach

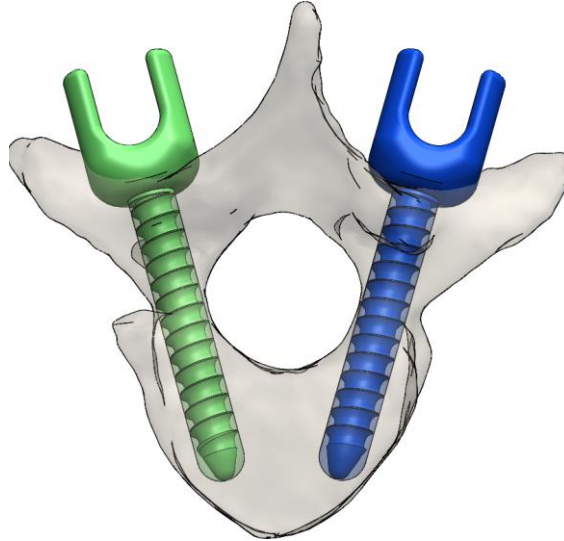
# T5

- Left Pedicle Screw **5.5 x 35** mm
- Right Pedicle Screw **5.5 x 35** mm

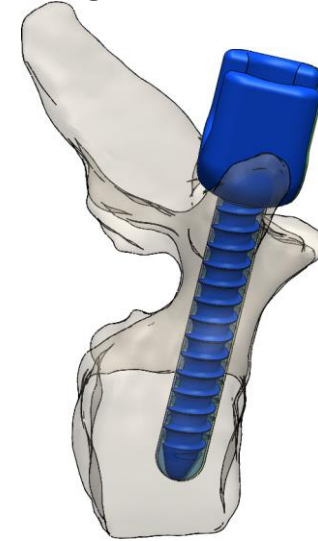
Left Lateral



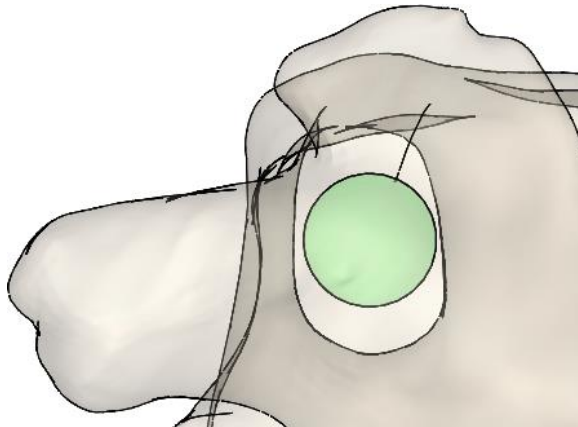
Transverse



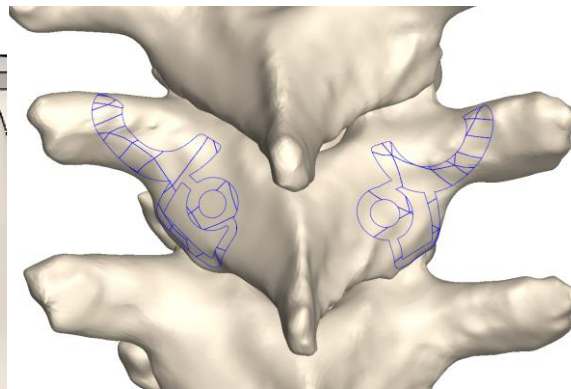
Right Lateral



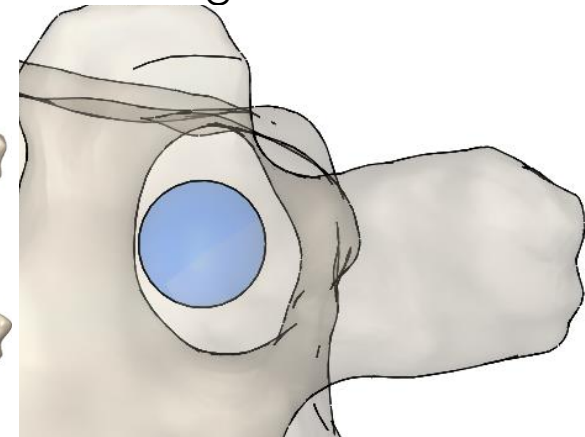
Left Pedicle



Guide Fit



Right Pedicle

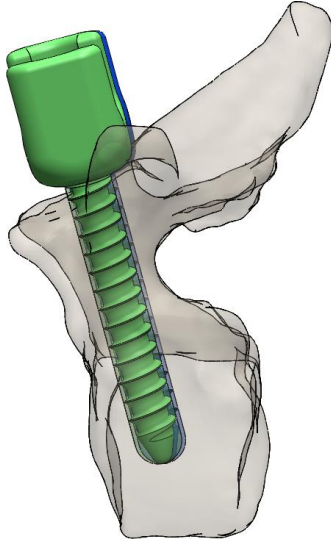


**T7**

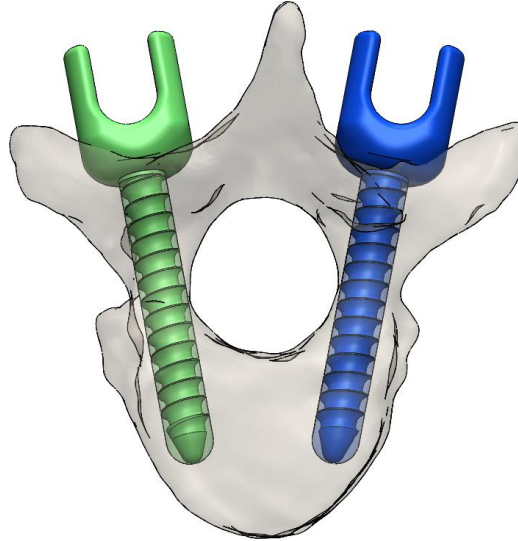
■ Left Pedicle Screw **5.5 x 35** mm

■ Right Pedicle Screw **5.5 x 35** mm

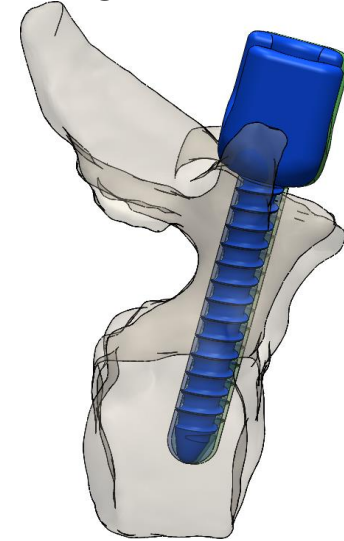
Left Lateral



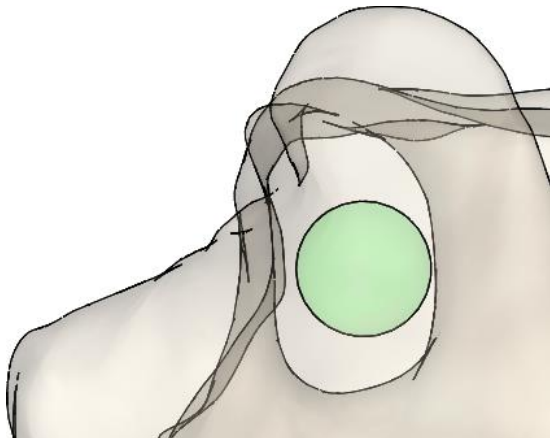
Transverse



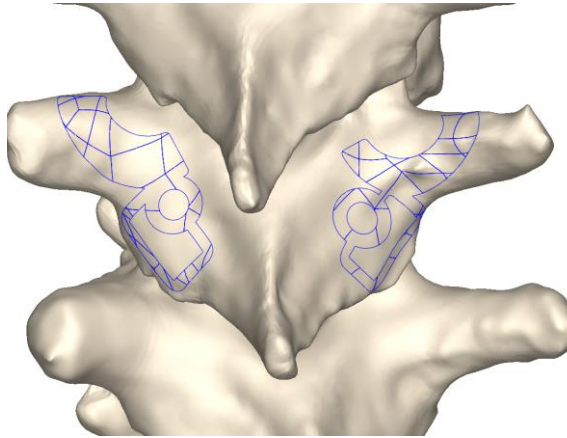
Right Lateral



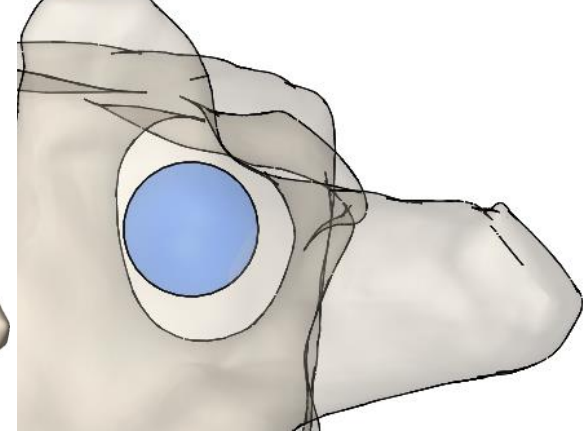
Left Pedicle



Guide Fit



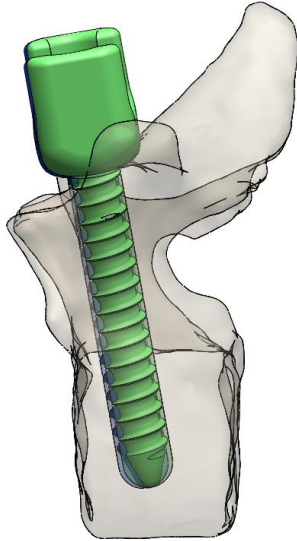
Right Pedicle



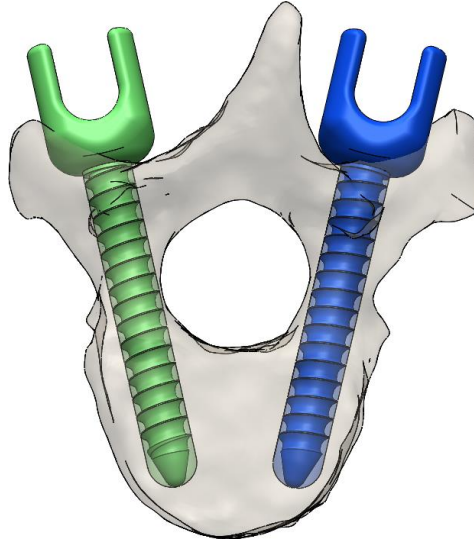
# T9

- Left Pedicle Screw **6.0 x 40** mm
- Right Pedicle Screw **6.0 x 40** mm

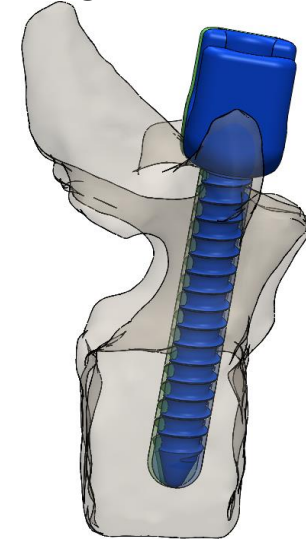
Left Lateral



Transverse



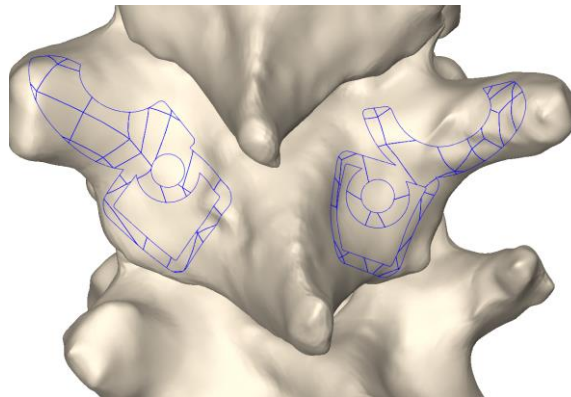
Right Lateral



Left Pedicle



Guide Fit



Right Pedicle

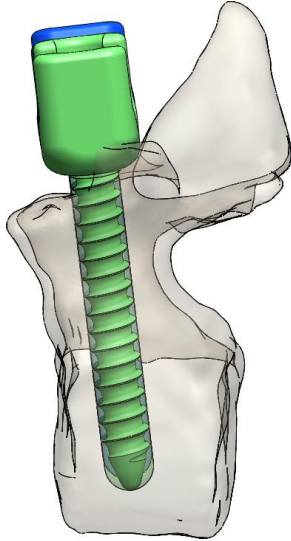




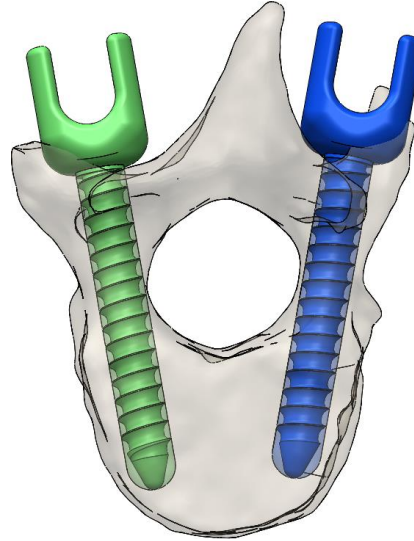
# T10

- Left Pedicle Screw **6.0 x 40** mm
- Right Pedicle Screw **6.0 x 40** mm

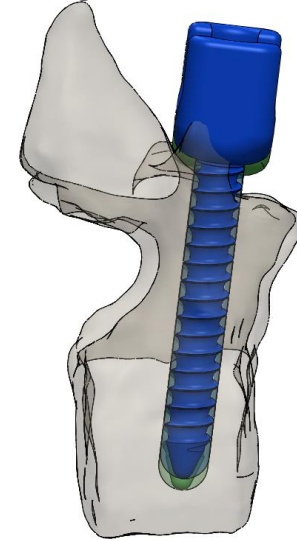
Left Lateral



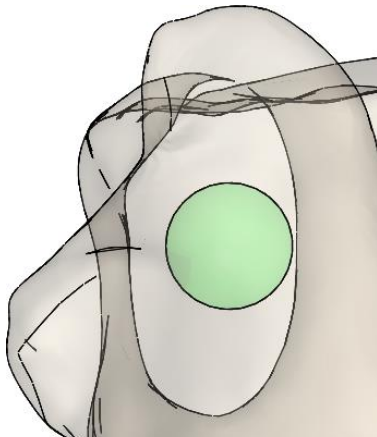
Transverse



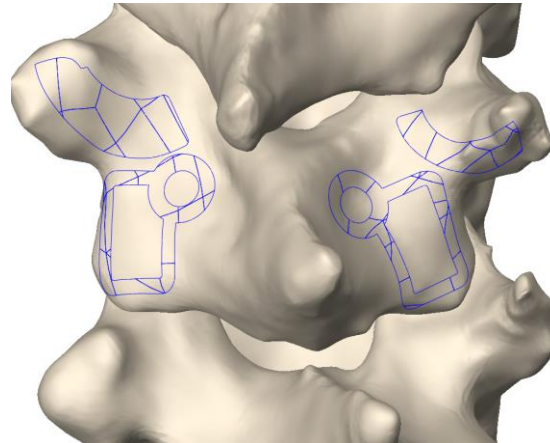
Right Lateral



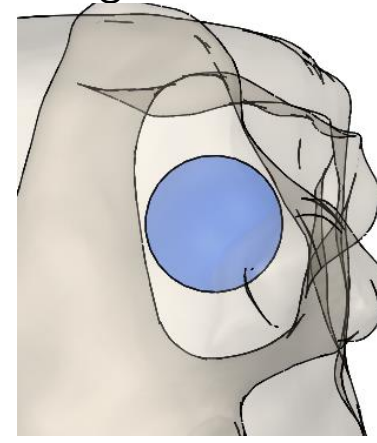
Left Pedicle



Guide Fit



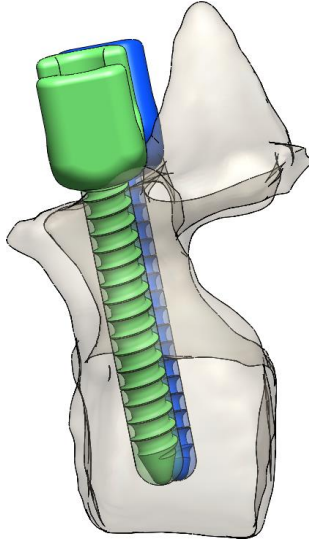
Right Pedicle



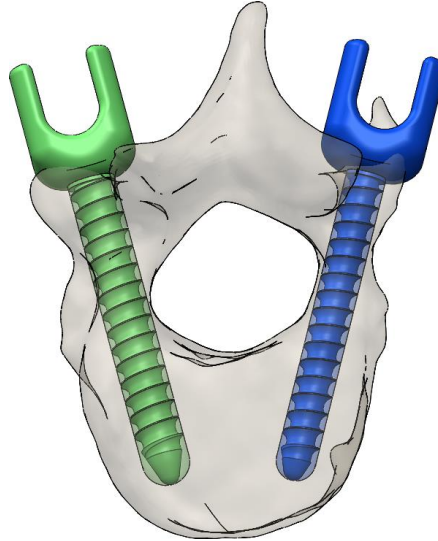
**T11**

- Left Pedicle Screw **6.0 x 40** mm
- Right Pedicle Screw **5.0 x 40** mm

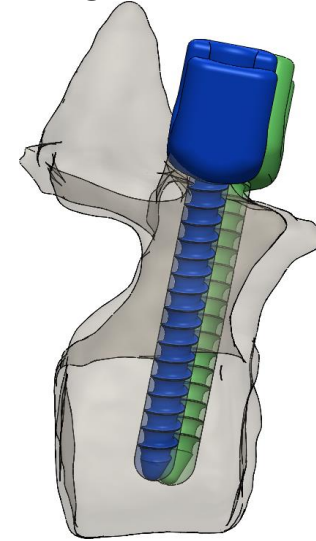
Left Lateral



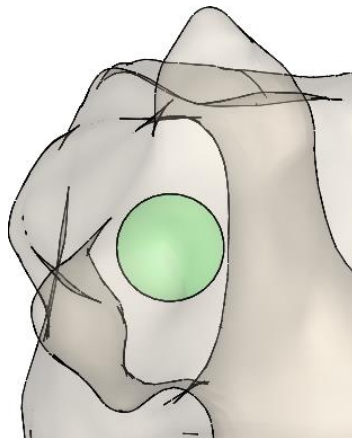
Transverse



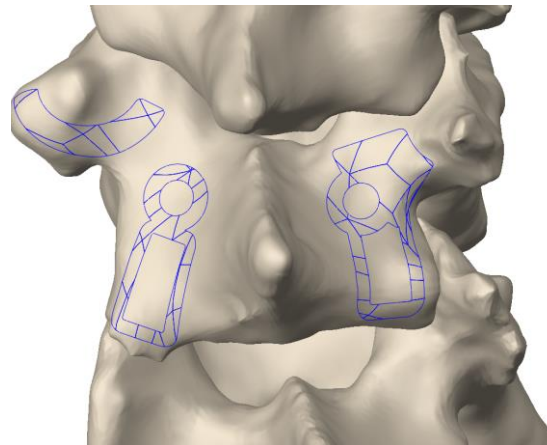
Right Lateral



Left Pedicle



Guide Fit



Right Pedicle

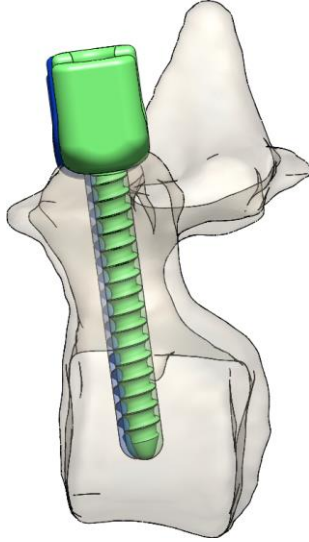


Level Information: Entry points on processes

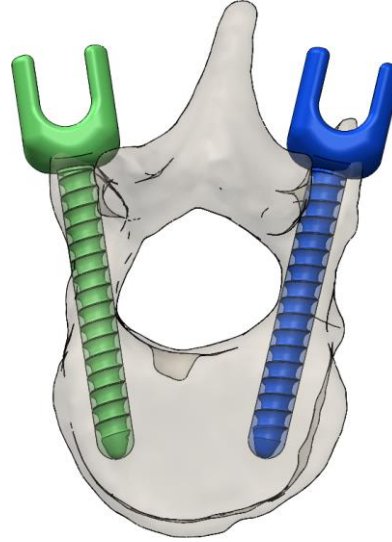
# T12

- Left Pedicle Screw **5.0 x 40** mm
- Right Pedicle Screw **5.0 x 40** mm

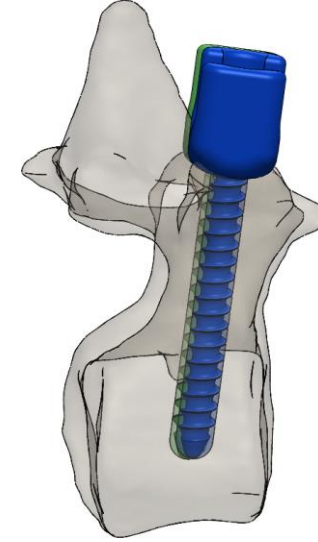
Left Lateral



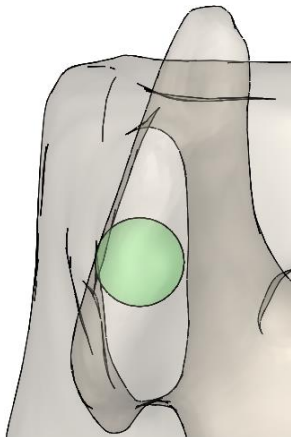
Transverse



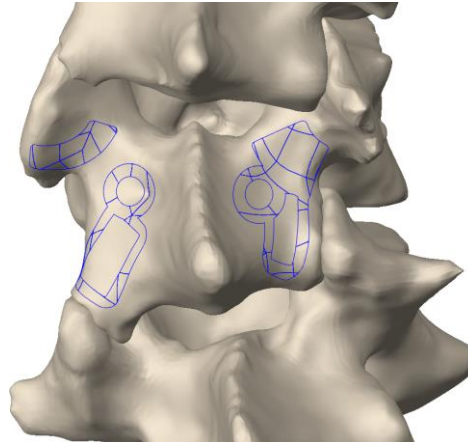
Right Lateral



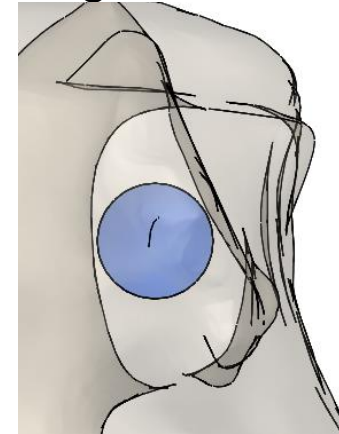
Left Pedicle



Guide Fit



Right Pedicle



Level Information: Entry points on processes, left lateral breach

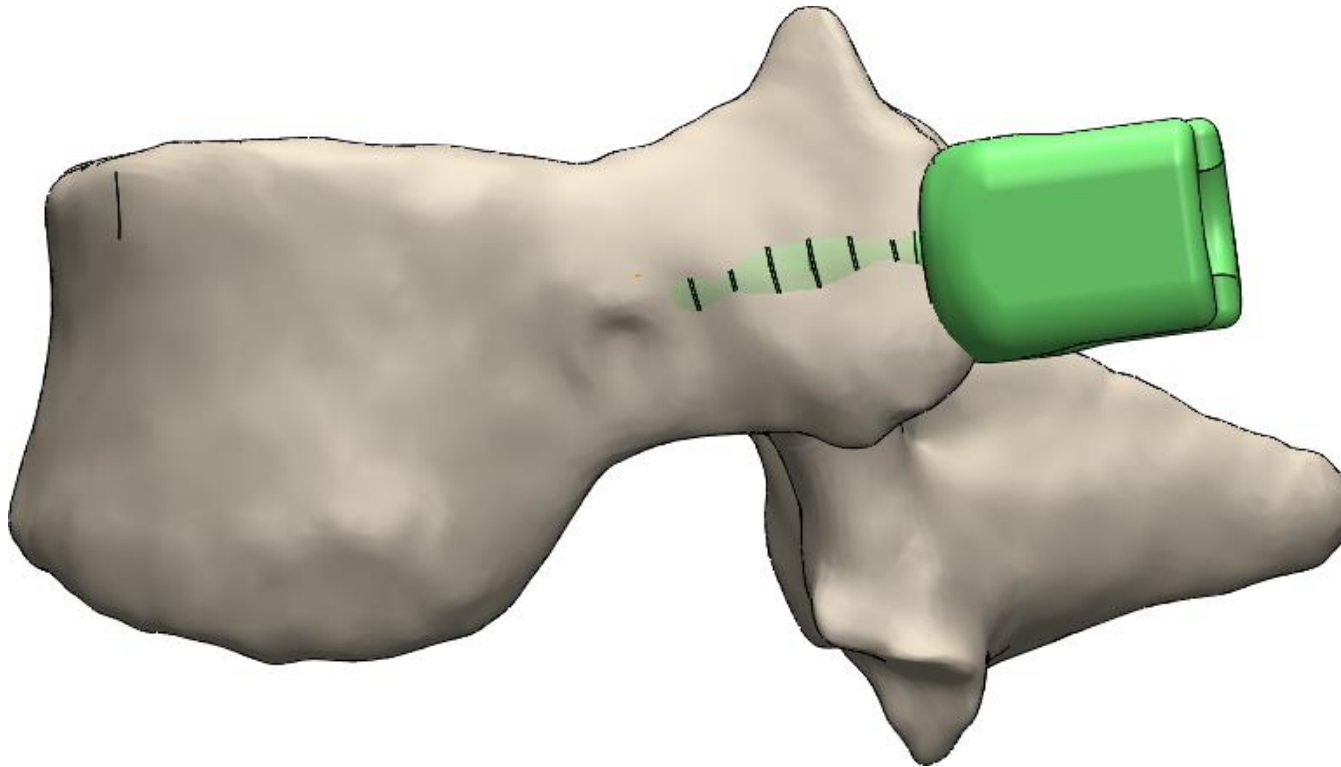
**T12**

- Left Pedicle Screw **5.0 x 40** mm
- Right Pedicle Screw **5.0 x 40** mm

Supplemental Information

Due to a small pedicle, there is a significant left lateral breach.

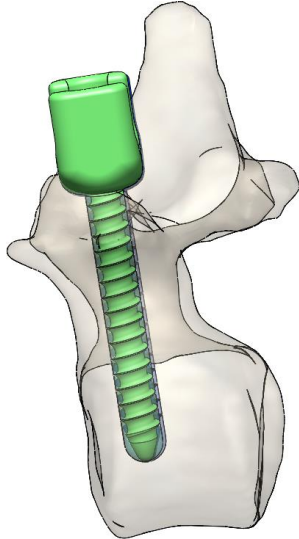
Left Lateral View



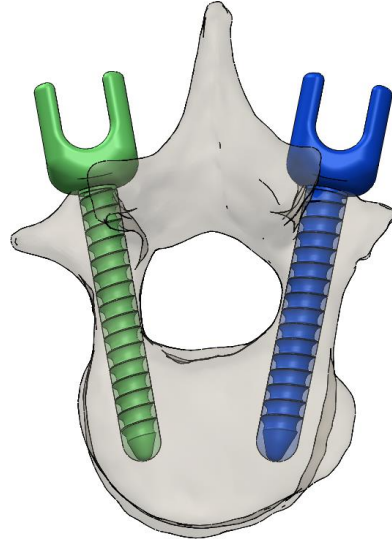
**L1**

- Left Pedicle Screw **5.5 x 40** mm
- Right Pedicle Screw **6.0 x 40** mm

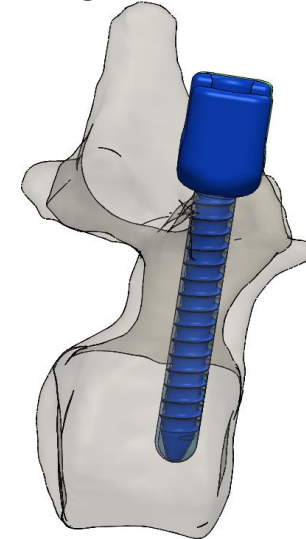
Left Lateral



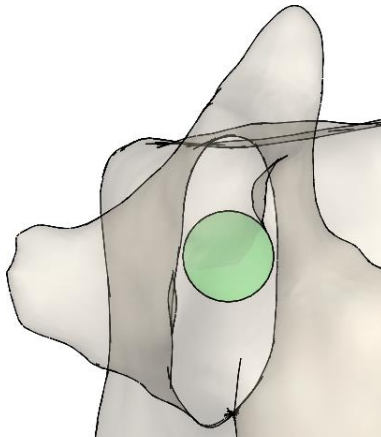
Transverse



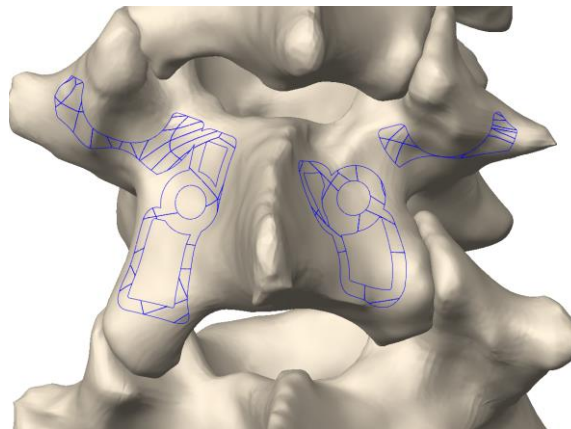
Right Lateral



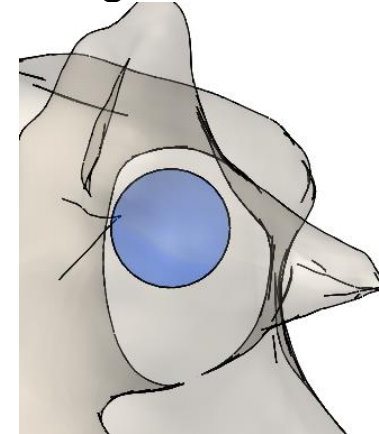
Left Pedicle



Guide Fit



Right Pedicle

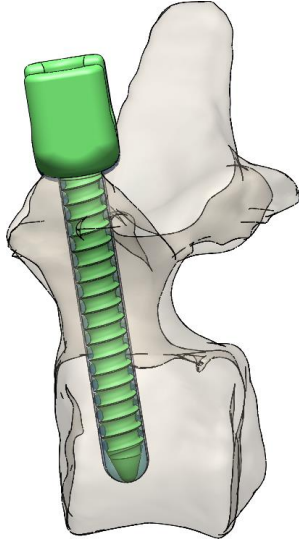


Level Information: Entry points on processes

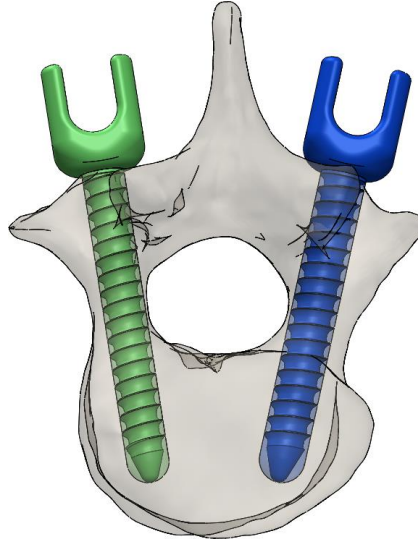
**L2**

- Left Pedicle Screw **6.0 x 45** mm
- Right Pedicle Screw **6.5 x 45** mm

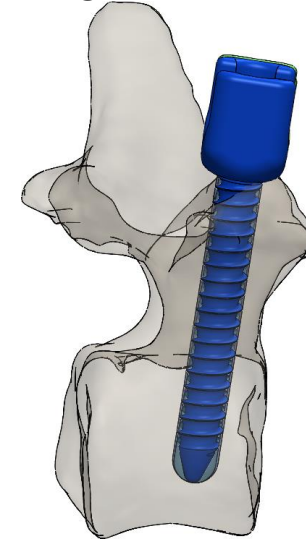
Left Lateral



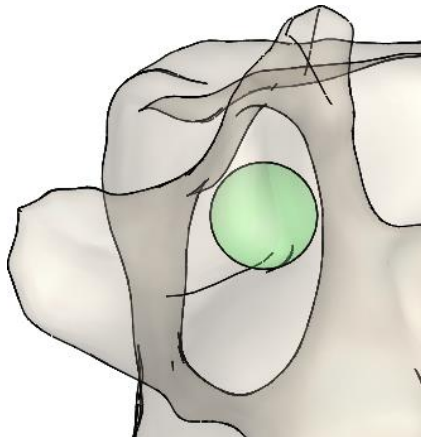
Transverse



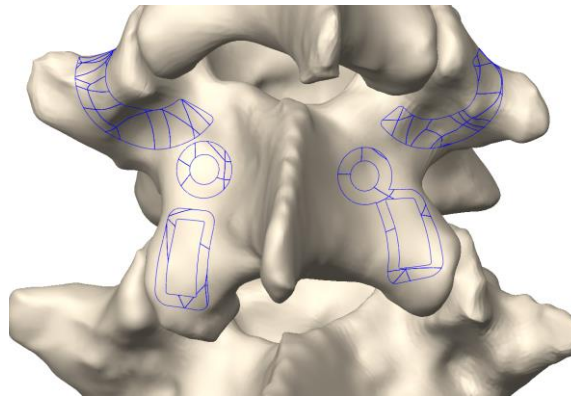
Right Lateral



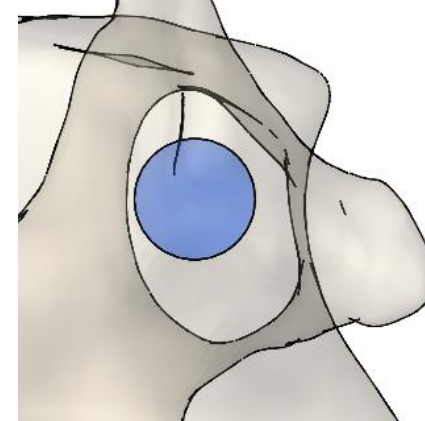
Left Pedicle



Guide Fit



Right Pedicle

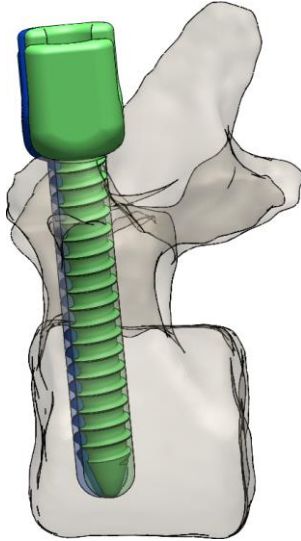


Level Information: Entry points on processes

**L4**

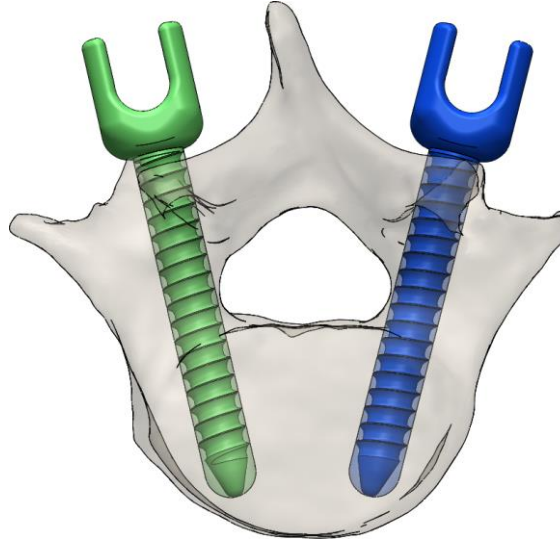
- Left Pedicle Screw **6.5 x 45** mm
- Right Pedicle Screw **6.5 x 45** mm

Left Lateral



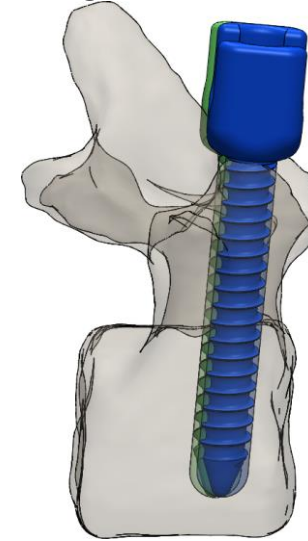
Left Pedicle

Transverse

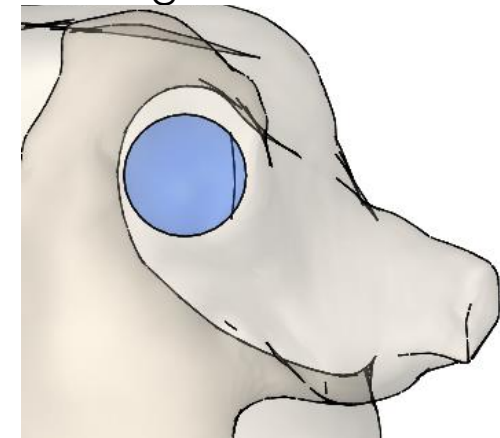
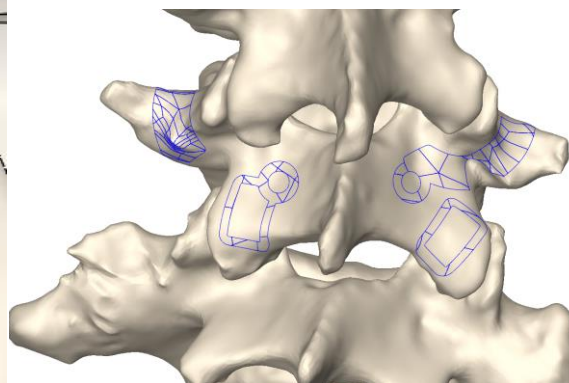


Guide Fit

Right Lateral



Right Pedicle



Level Information: Left entry point on process, right entry point on adjacent level

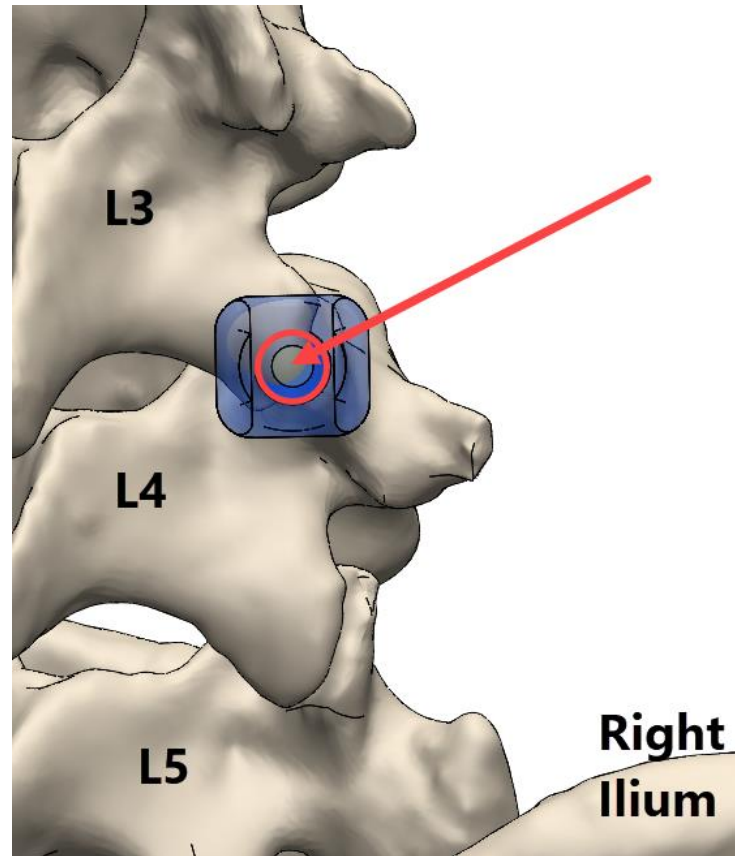
# L4

- Left Pedicle Screw **6.5 x 45** mm
- Right Pedicle Screw **6.5 x 45** mm

## Supplemental Information

The right entry point falls on the inferior articular process of the adjacent, unguided L3 level.

P/A View

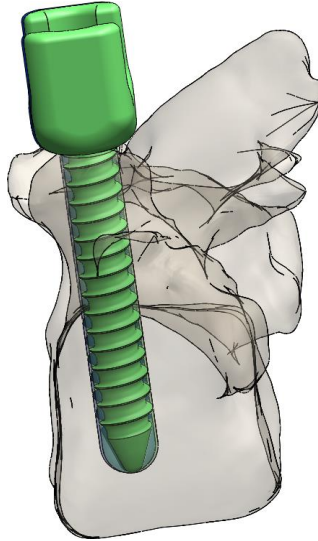




# L5

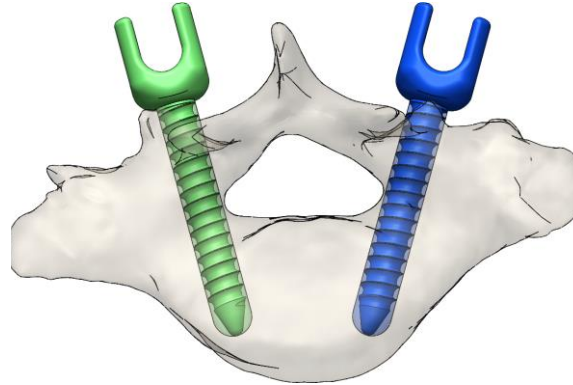
- Left Pedicle Screw **6.5 x 40** mm
- Right Pedicle Screw **6.5 x 40** mm

Left Lateral



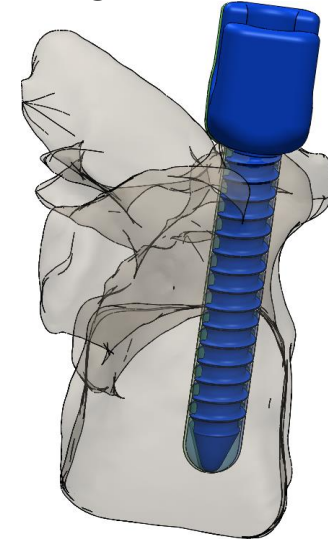
Left Pedicle

Transverse

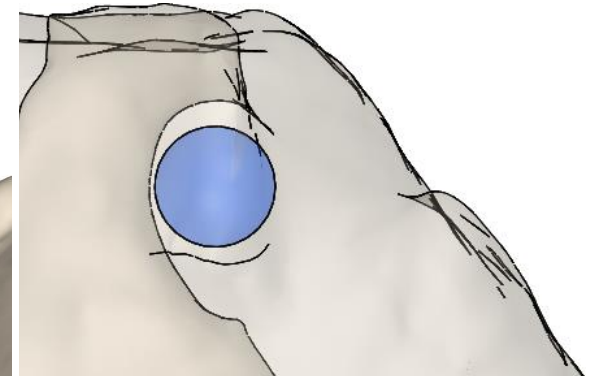
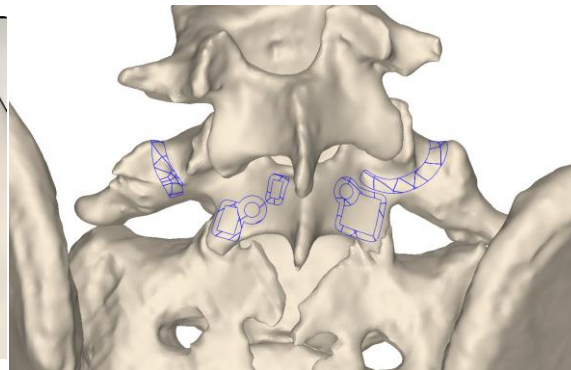


Guide Fit

Right Lateral



Right Pedicle



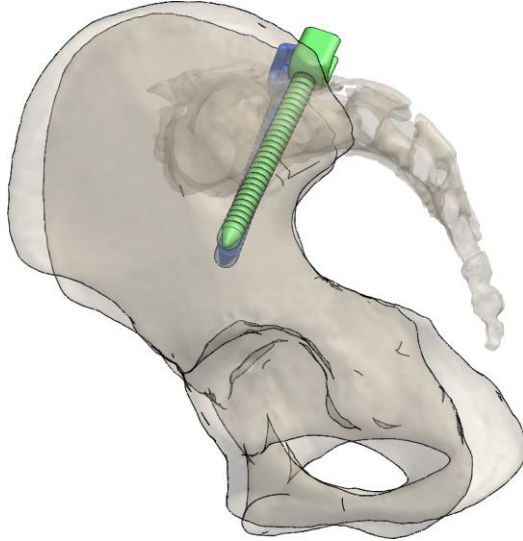
Level Information: Left entry point on adjacent level, right entry point on process

**S2**

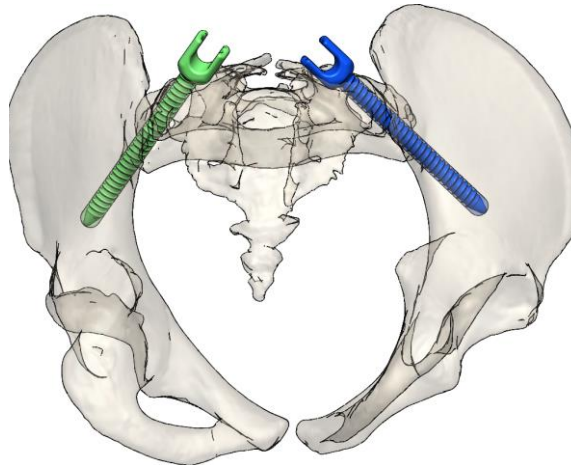
■ Left Pedicle Screw **7.0 x 80** mm

■ Right Pedicle Screw **7.0 x 80** mm

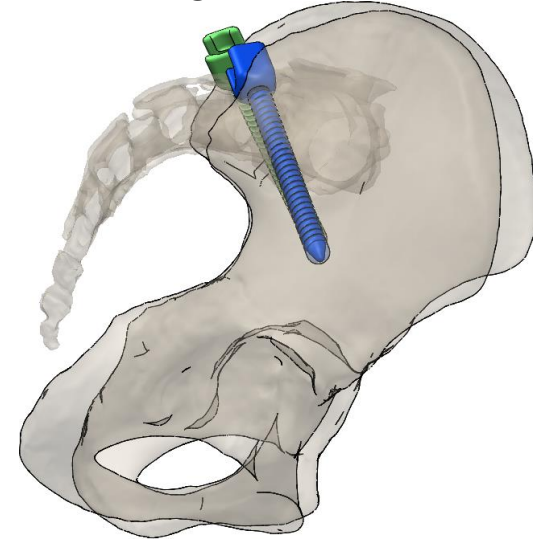
Left Lateral



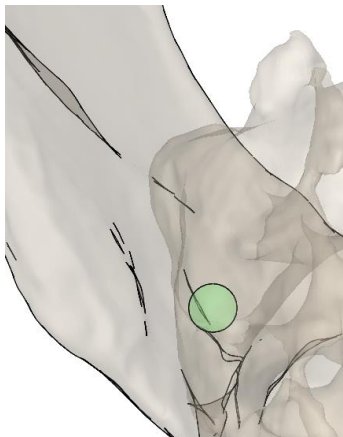
Transverse



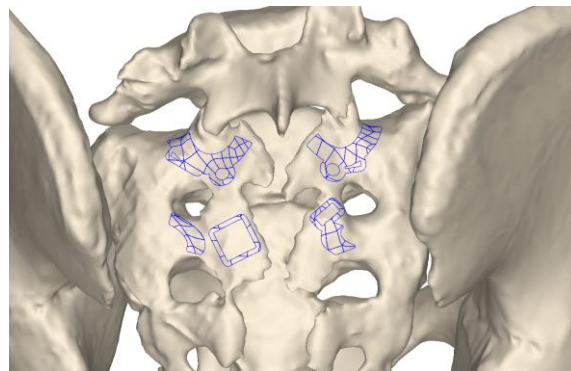
Right Lateral



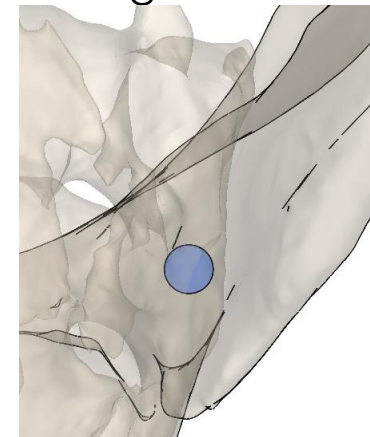
Left Side



Guide Fit



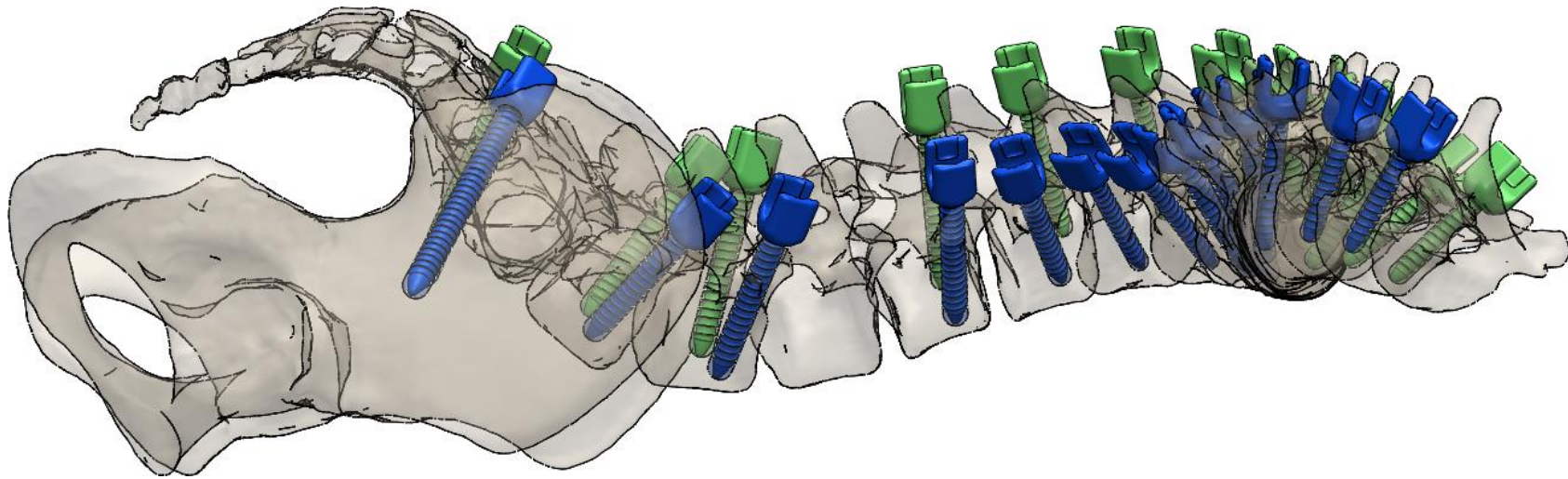
Right Side



Level Information: Unilateral guides

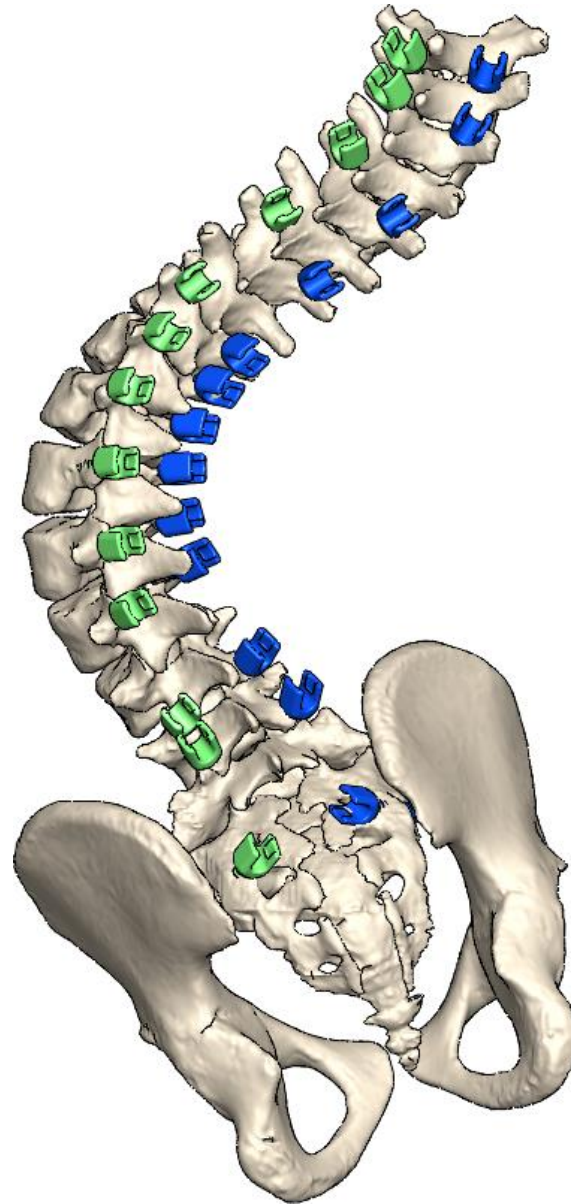
# Lateral Overview

CT Acquisition Date:



# Screw Alignment

CT Acquisition Date:



## OrthoPediatrics: RESPONSE

---

### Compatible Taps

FIREFLY Tap, 4.0 mm  
FIREFLY Tap, 5.0 mm  
FIREFLY Tap, 6.0 mm

### Part Numbers

DWG-01-1300-4040\*  
DWG-01-1300-4050\*  
DWG-01-1300-4060\*



Only compatible taps listed above may be guided for the selected pedicle screw system. Other taps must be used after the Guide has been removed from the bone.

\* Tap is only qualified for compatibility with a Ø3.2 mm pilot hole

## Additional Instructions

---

Instructions for using FIREFLY Pedicle Screw Navigation Guides can be found in the Surgical Technique.

## Contact Information

---

Comments and questions regarding use of this device may be directed to:

Email: support@mightyoakmedical.com  
Office: (720) 398-9703 ext. 207