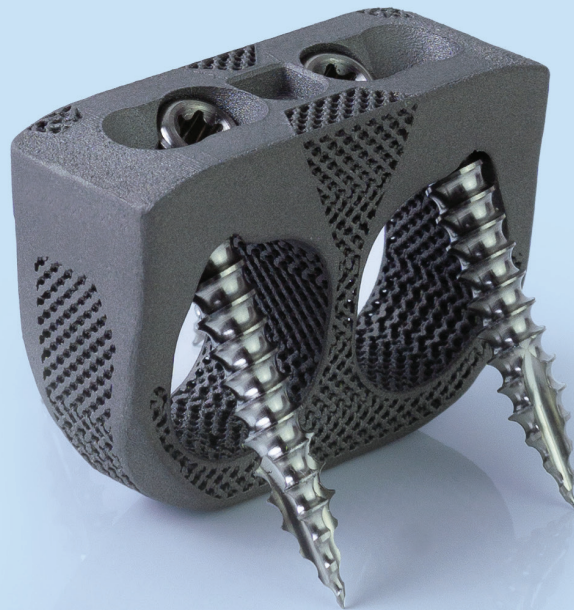




Idys® - ALIF ZP 3DTi

Porous Titanium



MANUFACTURER

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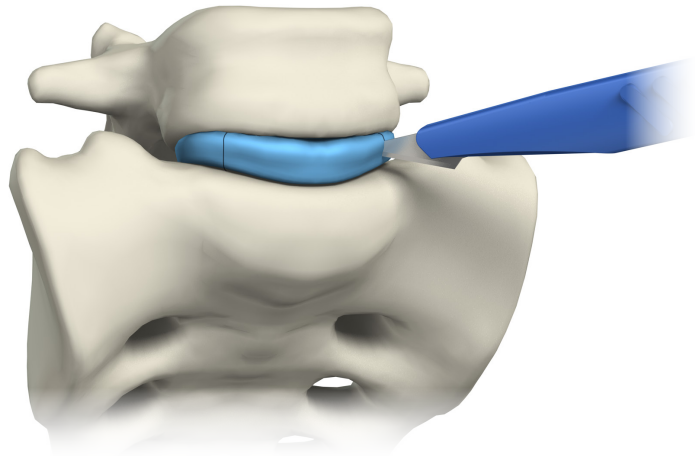
Surgical Technique

- 1 Discectomy
- 2 Segment Distraction
- 3 Endplate Preparation
- 4 Trial Selection
- 5 Implant Preparation
- 6 Cage Packing
- 7 Implant Insertion
- 8 Screw Preparation
- 9 Implant Fixation
- 10 Final Check
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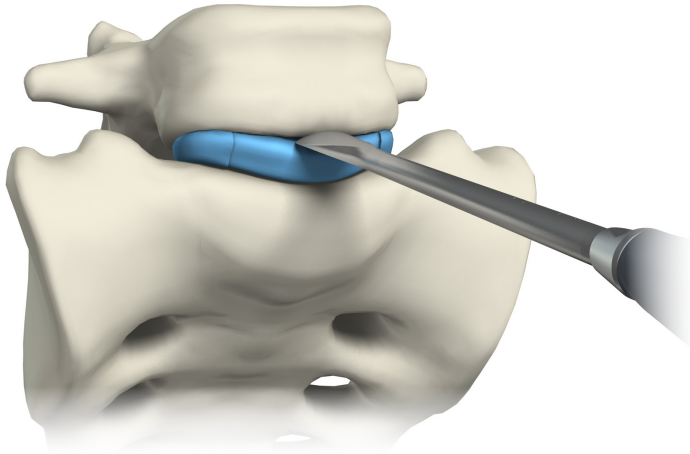
Discectomy

1

Using a scalpel, cut a rectangular window the width of the Clariance Idys - ALIF ZP 3DTi **Cage** into the intervertebral disc.



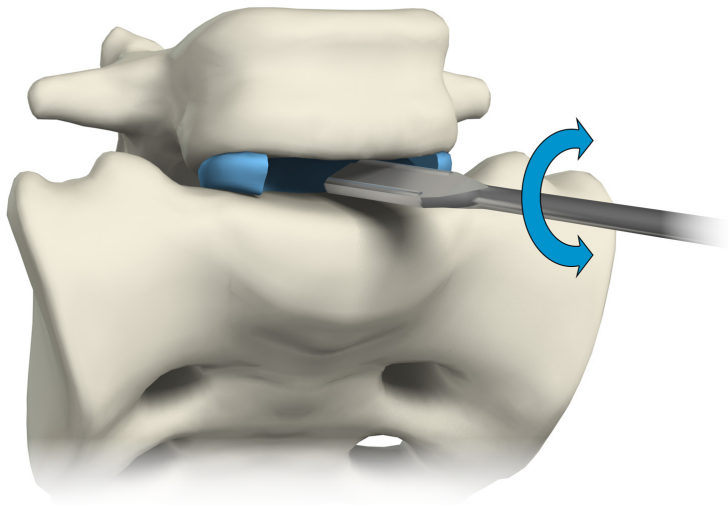
- Separate the disc from the superior and inferior endplates with the **Cobb Elevator**.



720-1834-0
720-1838-0f
COBB ELEVATOR

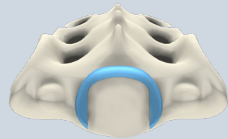
- Connect the **Shaver** to the **Cannulated T-Handle**.
- Rotate the **Shaver** to begin the discectomy.

Shavers are available in heights ranging from 8 - 18mm in 2mm increments.

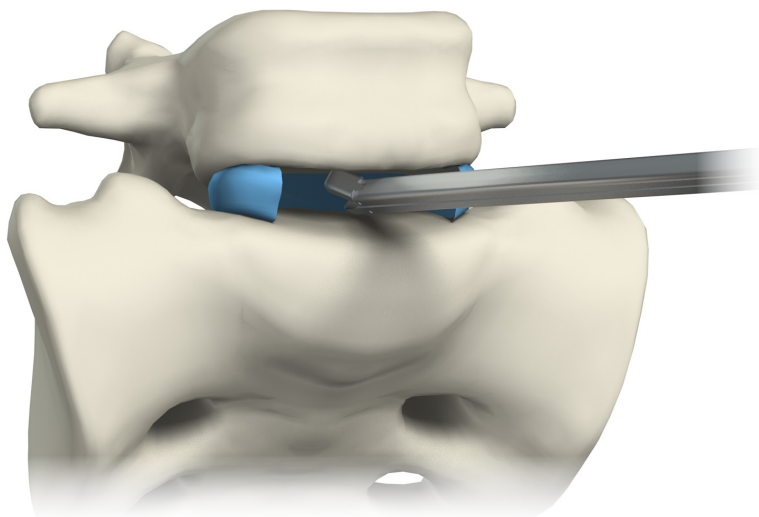


RECOMMENDATION:

It is recommended to retain as much of the anterolateral and posterior walls of the annulus as possible.



- Use the **Disc Rongeur** to remove the disc fragments.



247070xx
SHAVER
(8-18mm)



99781001
CANNULATED T-HANDLE



24708xxx
DISC RONGEUR STRAIGHT
(4-8mm)



24708132
ANGLED 30° DISC RONGEUR
(8mm)

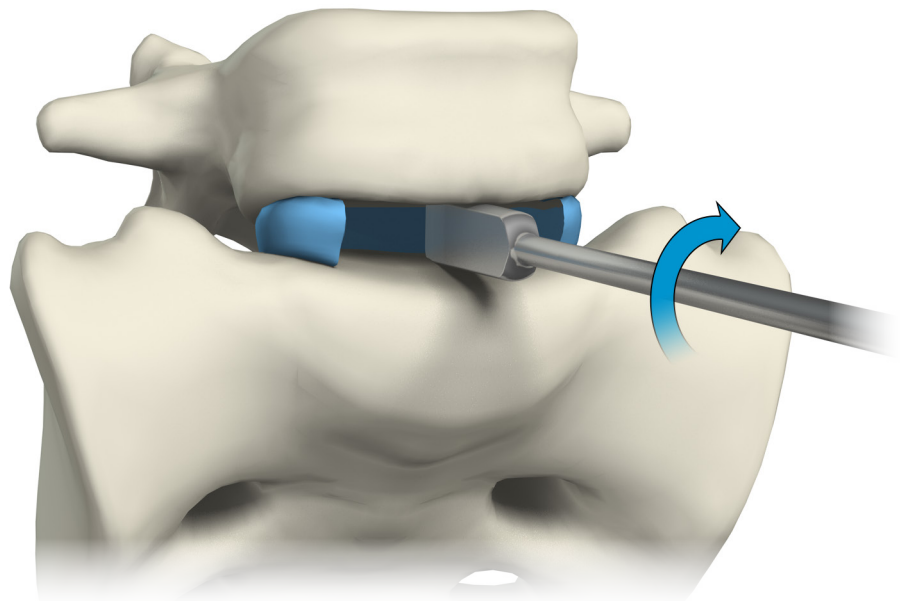
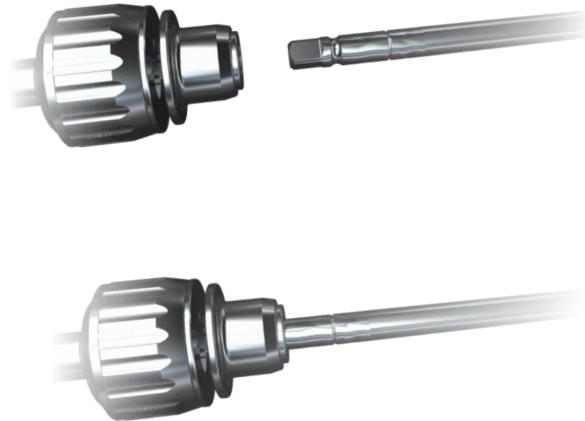
Segment Distraction

2

Use the **Distraction Forceps** or **Rounded Distractor** to open the disc space and gradually restore the disc height.

- Connect the **Rounded Distractor** to the **Cannulated T-Handle**.

Rounded Distractors are available in heights ranging from 6 - 18mm in 2mm increments.

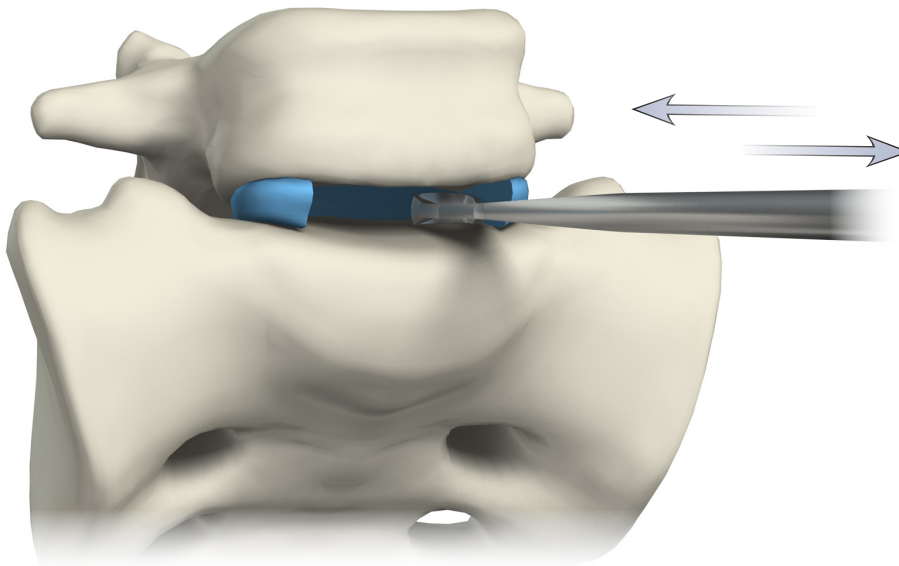
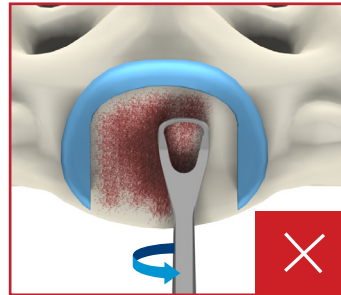
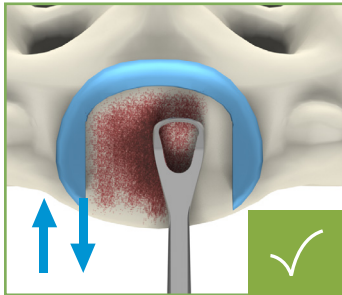


Endplate Preparation

3

Use the **Curette** to prepare the endplates, further excising the disc material and removing the cartilaginous layer from the endplates.

This is to improve vascularization of the implanted bone graft.



RECOMMENDATION:

Keep the **Curette** parallel to the endplates. Do not rotate the **Curette**.

Remove osteophytes with the **Bone Rongeur** if necessary.



710-1800-0C
710-1800-1C
710-1804-0
710-1806-1
CURETTE



24709x32
BONE RONGEUR
(2-4mm)

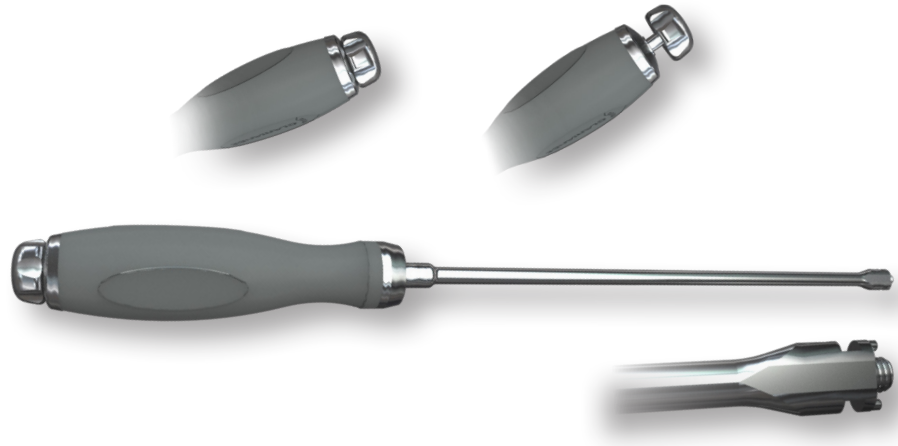
Trial Selection

4



45715000
CAGE HOLDER

- Slide the rod inside the **Cage Holder**.
- Screw in the rod until the tip is outside the **Cage Holder**.



Trials are color coded according to their height. After selecting the **Trial**:

- Insert the tip of the **Cage Holder** in the **Trial**.
- Rotate the knob of the **Cage Holder** clockwise until it is firmly tightened.
- The **Trial** should be flush against the **Cage Holder**.



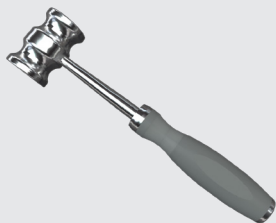
4571xxxx
TRIAL



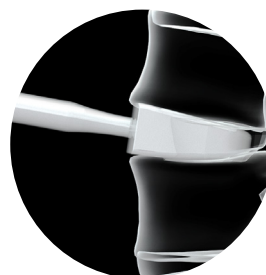
- Insert the **Trial** into the intervertebral space with the “TOP” of the **Trial** facing cranially.
- Lightly impact with the **Slap Hammer**.

Pay special attention to ensure that the **Trial** is centered in the disc space.

- Verify the position of the **Trial** and confirm the appropriate lordotic angle, disc height and footprint via X-Ray.



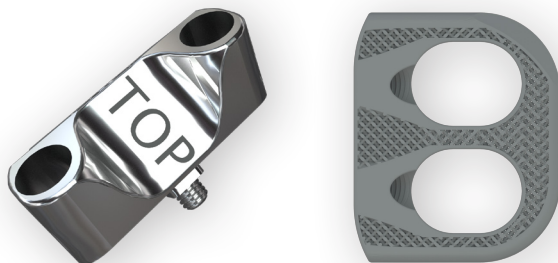
99762000
SLAP HAMMER



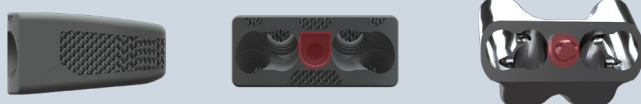
Implant Preparation

5

- Connect the ZP Guide to the Cage.



IMPORTANT:



The “TOP” side of the ZP Guide should face the same direction as the convex side of the Cage.

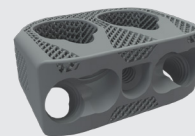
- Use the T15 Tightening Wrench to secure the ZP Guide onto the Cage.



ZP Guide not secured to the Cage X

ZP Guide secured to the Cage ✓

- Insert the tip of the Cage Holder in the ZP Guide/Cage assembly.



4557xxx-S
ALIF ZP 3DTi CAGE



51720001
T15 TIGHTENING WRENCH



45706000
ZP GUIDE



24762001

UNLOCKING WRENCH



45715000

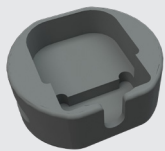
CAGE HOLDER



2476100x

GRAFT IMPACTOR ZP

(27x32/30x35-30x40/34x40mm)



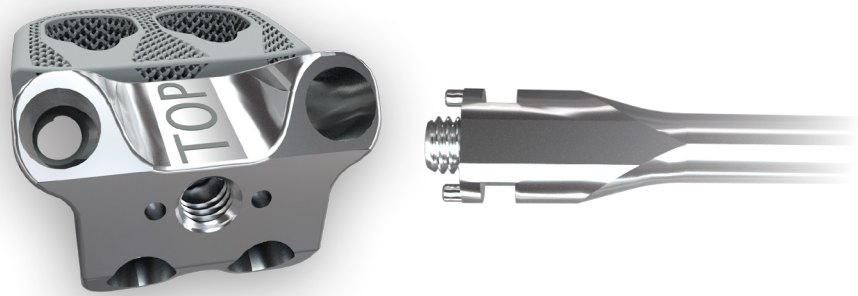
45717000

FILLING BLOCK



99762000

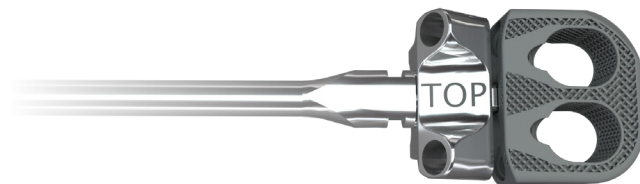
SLAP HAMMER



IMPORTANT:

The two pins on the **Cage Holder** must be inserted into the two holes on the **ZP Guide**.

- Rotate the knob of the **Cage Holder** clockwise until it is firmly tightened.



Cage Packing

6

- Place the **Cage** in the **Filling Block**.
- Use the **Graft Impactor ZP** to firmly pack the graft material into the cavities of the implant.



Implant Insertion

7

- With the **Cage Holder**, insert the **ZP Guide/Cage** assembly into the intervertebral disc space, with the “TOP” of the **ZP Guide** facing cranially.
- Lightly impact with the **Slap Hammer**.

IMPORTANT:

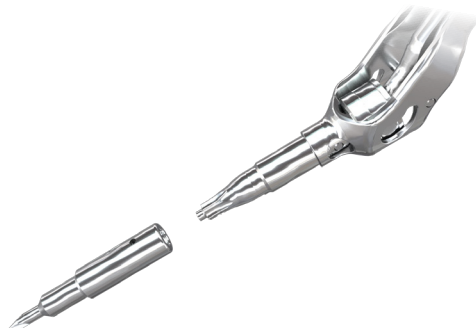
Pay special attention to ensure that the **Cage** is centered in the disc space.



Screw Preparation

8

- Connect the **Joint Screwdriver** to the **Torque Limited Handle**.
- Connect the **Punch** to the **Joint Screwdriver**.



- Insert the **Punch** into the **ZP Guide**.



- Rotate the **Torque Limited Handle** and apply downward pressure to the **Punch**. Repeat this step for all four of the screw openings on the **ZP Guide**.
- Remove the **Punch** from the **Joint Screwdriver**.



4572000

TORQUE LIMITED HANDLE



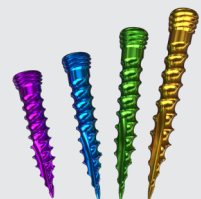
45700000

PUNCH



4571000

JOINT
SCREWDRIVER



240205xx-S

VERTEBRAL SCREWS Ø5mm
(L20-L35mm)

Implant Fixation

9

- Select the appropriate **Screws** according to the patient's anatomy.
- **Screws** are available in 20, 25, 30 and 35mm lengths.
- Use the **Joint Screwdriver** to insert **Screws** into the **Cage**.
- The **Screws** have a one-step conical locking mechanism. Screw-locking is obtained when the head of the **Screw** is completely inserted into the **Cage**.



IMPORTANT:

Screw insertion must be done through the ZP Cage Holder to ensure proper locking of the **Screw** to the **Cage**.

Four **Screws** should always be used with Idys - ALIF ZP 3DTi **Cage**.

Final Check

10

- Perform a final X-Ray check to verify the final positioning of the **Cage** and **Screws** in the AP and lateral directions.



Guide Removal

11

- Insert the T15 Tightening Wrench into the Holding Tube.



- Insert the tip of the T15 Tightening Wrench into the center hole of the ZP Guide.
- Rotate the Holding Tube clockwise until it is flush against the ZP Guide.

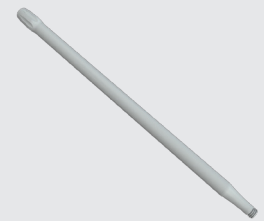


- Rotate the T15 Tightening Wrench counterclockwise to remove the ZP Guide.



51720001

T15 TIGHTENING WRENCH



45715001

HOLDING TUBE

Idys - ALIF ZP 3DTi Instruments

Base Anterior Disc Preparation #1



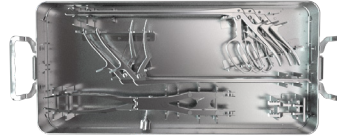
Anterior Disc Base #1

45990001



Anterior Disc Lid

45990004



Anterior Base Instruments

45990002



Pointe Carrée

J044123



Cobb Elevator

24703001



Anterior Cobb Elevator 9"

$\frac{3}{8}$ Handle 720-1834-0



Anterior Flat Cobb Elevator 9"

$\frac{3}{8}$ Handle 720-1838-0f



Cannulated T-Handle

99781001



Shaver

H08mm	24707008
H10mm	24707010
H12mm	24707012
H14mm	24707014
H16mm	24707016
H18mm	24707018



Disc Rongeur

Angled 30°	24708132
4mm	24708432
8mm	24708832



Bone Rongeur

24709232
24709432

Base Anterior Disc Preparation #2



Anterior Disc Base #2

45990002



Anterior Disc Lid

45990004



Anterior Base Instruments

45990003



Modular Spine Distractor

21-250-H-5P



Finger Pad

21-250-200



Cannulated T-Handle

99781001



Rounded Distractor

H06mm	24709006
H08mm	24709008
H10mm	24709010
H12mm	24709012
H14mm	24709014
H16mm	24709016
H18mm	24709018

Curette

9mm

24704109



Anterior Curette 9" Handle

#0 Straight

710-1800-0c



Anterior Curette 9" Handle

#4 Straight

710-1804-0



Anterior Curette 9" Handle

#0 Angled

710-1800-1c



Anterior Curette 9" Handle

#6 Angled

710-1806-1

Idys ALIF ZP 3DTi Instrument Tray #1



Idys ALIF ZP Tray #1

45990005



Idys ALIF ZP Lid

45990007



Slap Hammer

99762000



ZP Guide

45706000



T15 Tightening Wrench

51720001



Holding Tube

45715001



Cage Holder

45715000



Unlocking Wrench

24762001

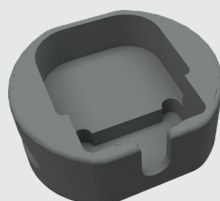


Graft Impactor ZP

ZP 27x32/30x35mm 45761000
ZP 30x40/34x40mm 45761001

Filling Block ZP

45717000



Joint Screwdriver

Angled 35° 45710000



Torque Limiting Handle



Punch

45700000

Idys ALIF ZP 3DTi Instrument Tray #2



Idys - ALIF ZP Tray #2

45990006

Idys - ALIF ZP Lid

45990007



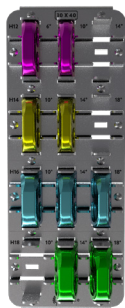
Rack Trial D27 W32mm

45990008



Rack Trial D30 W35mm

45990009



Rack Trial D30 W40mm

45990010



Rack Trial D35 W40mm

45990011



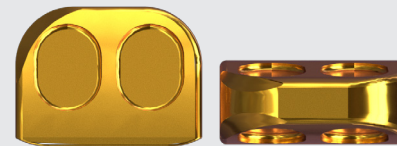
ALIF ZP Trial - D27 W32mm

	6°	10°	14°	18°
H12mm	45711206	45711210	45711214	-
H14mm	45711406	45711410	45711414	45711418
H16mm	45711606	45711610	45711614	45711618
H18mm	45711806	45711810	45711814	45711818



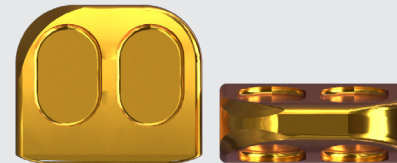
ALIF ZP Trial - D30 W35mm

	6°	10°	14°	18°
H12mm	45712206	45712210	45712214	-
H14mm	45712406	45712410	45712414	45712418
H16mm	45712606	45712610	45712614	45712618
H18mm	45712806	45712810	45712814	45712818



ALIF ZP Trial - D30 W40mm

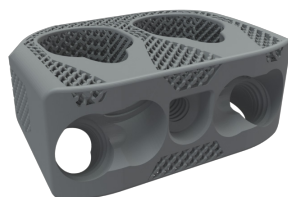
	6°	10°	14°	18°
H12mm	45713206	45713210	45713214	-
H14mm	45713406	45713410	45713414	45713418
H16mm	45713606	45713610	45713614	45713618
H18mm	45713806	45713810	45713814	45713818



ALIF ZP Trial - D34 W40mm

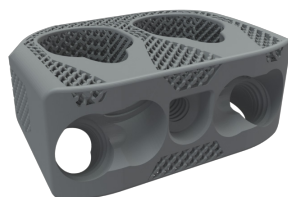
	6°	10°	14°	18°
H12mm	45714206	45714210	45714214	-
H14mm	45714406	45714410	45714414	45714418
H16mm	45714606	45714610	45714614	45714618
H18mm	45714806	45714810	45714814	45714818

Idys - ALIF ZP 3DTi Implants (Sterile)



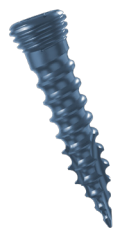
ALIF ZP Cage - 27x32mm

	6°	10°	14°	18°
H12mm	45570206-S	45570210-S	45570214-S	-
H14mm	-	45570410-S	45570414-S	45570418-S
H16mm	-	45570610-S	45570614-S	45570618-S
H18mm	-	-	-	-



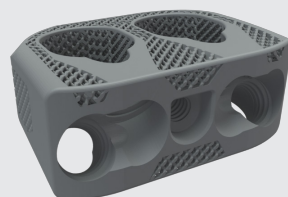
ALIF ZP Cage - 30x40mm

	6°	10°	14°	18°
H12mm	45573206-S	45573210-S	-	-
H14mm	-	45573410-S	45573414-S	-
H16mm	-	45573610-S	45573614-S	45573618-S
H18mm	-	-	45573814-S	45573818-S



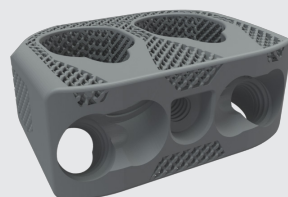
Vertebral Screw Ø5mm

L20	24020520-S
L25	24020525-S
L30	24020530-S
L35	24020535-S



ALIF ZP Cage - 30x35mm

	6°	10°	14°	18°
H12mm	45571206-S	45571210-S	45571214-S	-
H14mm	-	45571410-S	45571414-S	45571418-S
H16mm	-	45571610-S	45571614-S	45571618-S
H18mm	-	-	45571814-S	45571818-S



ALIF ZP Cage - 34x40mm

	6°	10°	14°	18°
H12mm	45574206-S	45574210-S	-	-
H14mm	-	45574410-S	45574414-S	-
H16mm	-	45574610-S	45574614-S	45574618-S
H18mm	-	-	45574814-S	45574818-S



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