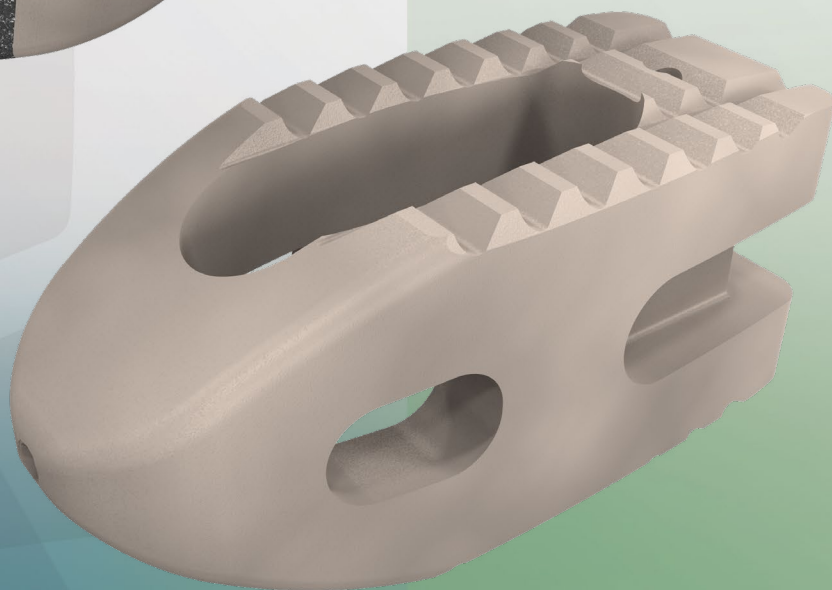
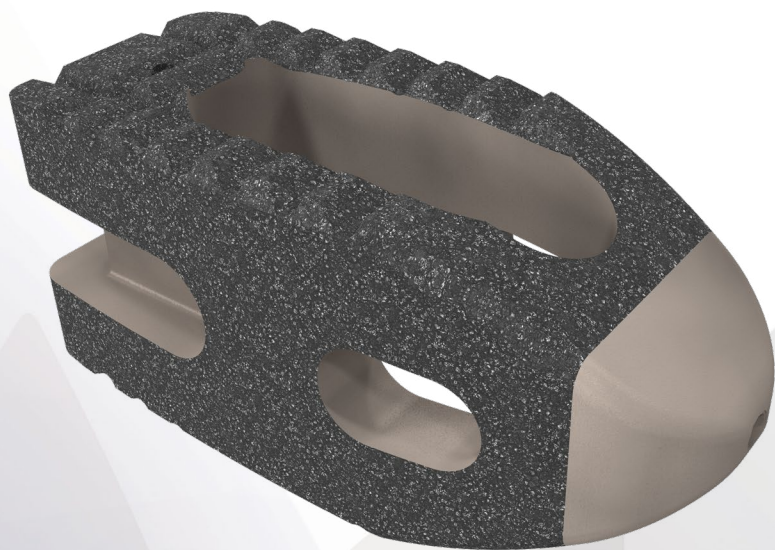
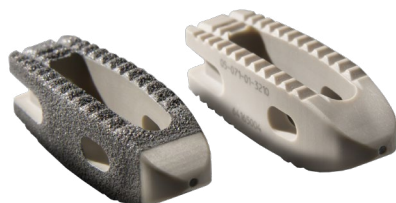




OCTANE[®] STRAIGHT

Surgical Technique

PEEK and Titanium Coated Lumbar Spacer



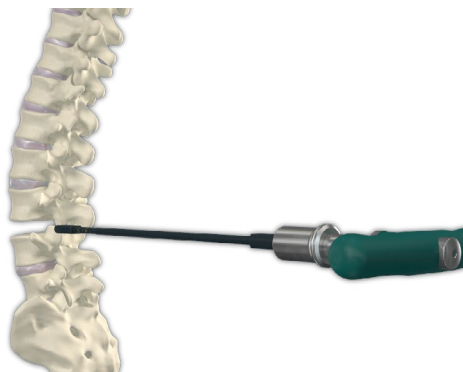
Octane® Straight is a PEEK Spacer System that provides two different implant options to accommodate a traditional straight implant insertion or an insert-and-rotate technique. The devices are manufactured from a Biocompatible PEEK-Optima® polymer with radiographic markers. In addition, multiple footprints allow for different approach options: Bilateral posterior approach using 24mm spacers, or Unilateral posterior approach using 28mm and 32mm spacers.

Octane® Straight PC is a PEEK Spacer System featuring a plasma sprayed titanium coating designed to create a bone friendly environment. This titanium coating offers significant imaging benefits through its radiolucency, allowing the surgeon to both confirm spacer positioning and assess fusion. Octane Straight PC is available in similar footprints, heights and styles to the Octane Straight devices.

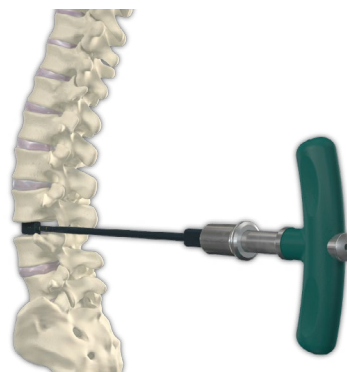
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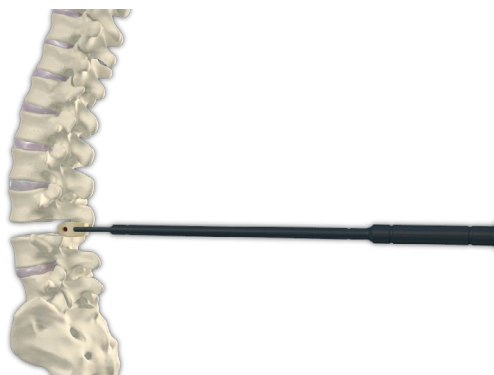
OPERATIVE TECHNIQUE OVERVIEW



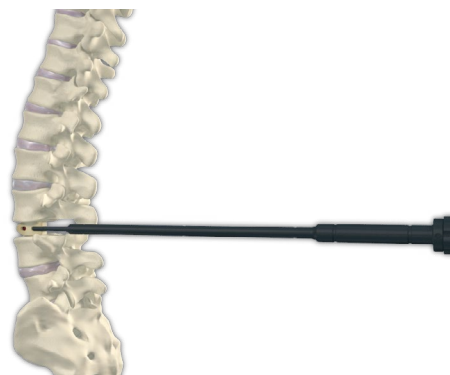
Trial Insertion



Trial Height



Insert Implant (Standard Technique)



Disconnect Inserter

DETAILED OPERATIVE TECHNIQUE

PREPARATION

Expose the posterior anatomy and perform the discectomy. A standard transforaminal approach is recommended for insertion of the 28mm and 32mm spacers, and a traditional bilateral approach is recommended for the insertion of the 24mm spacers.

A posterior disc preparation set of instruments is available to supplement the Octane Straight Instrumentation.

TRIAL SIZING

Choose the appropriate Trial Spacer and attach it to either the T or Axial Handle. Insert the Trial Spacer into the intervertebral space (Figure 1) and rotate it 90° (Figure 2) in order to determine height adequacy. Repeat, using the next larger size trial if necessary, until adequate anterior height is obtained. Use A/P and lateral fluoroscopy to confirm proper placement and trajectory.

INSERTER ATTACHMENT

Choose the appropriately sized footprint and lordotic angle based on the size determined during disc preparation and remove the Octane Straight spacer from the sterile package.

Using either the Straight or Offset Inserter, turn the knob on the end of the Inserter counter-clockwise to open the jaws. Place the posterior end of the spacer firmly against the inserter, then turn the knob on the end of the Inserter clockwise until it is secure (Figure 3).

Pack the internal cavity of the spacer with autologous bone.

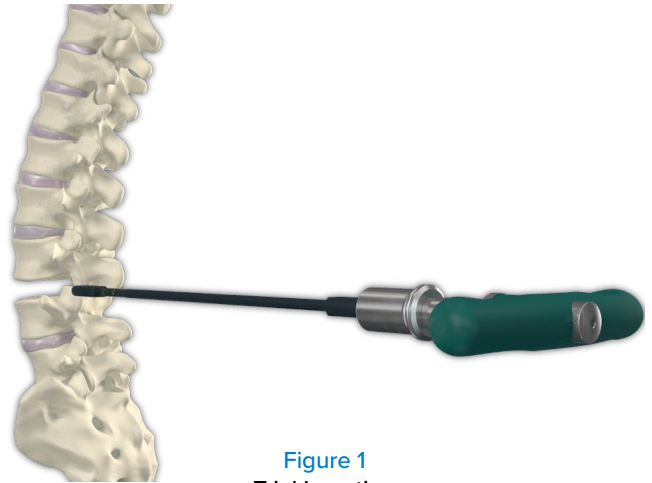


Figure 1
Trial Insertion

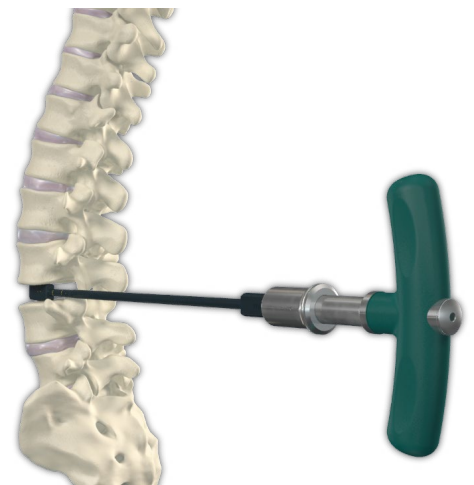


Figure 2
Trial Height

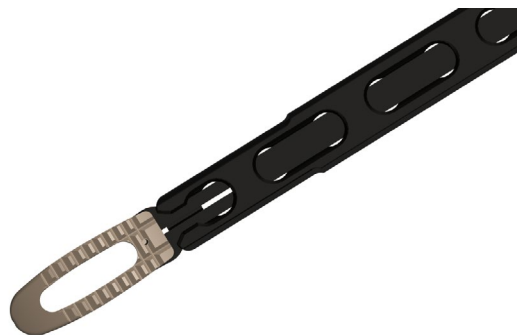


Figure 3
Inserter/Attachment

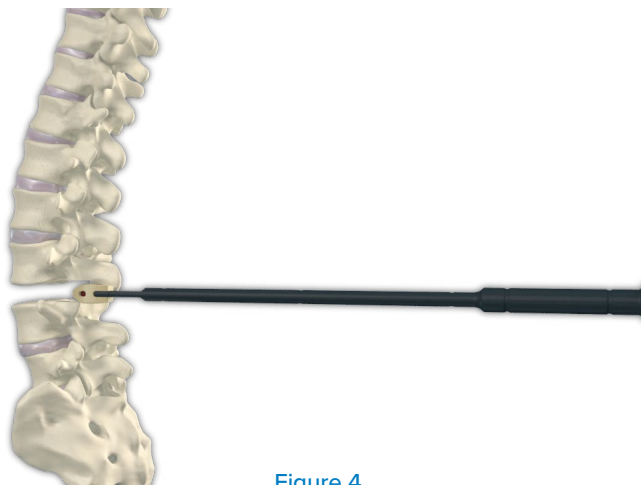


Figure 4
Insert Spacer

DETAILED OPERATIVE TECHNIQUE

PREPARATION

Expose the posterior anatomy and perform the discectomy. A standard transforaminal approach is recommended for insertion of the 28mm and 32mm spacers, and a traditional bilateral approach is recommended for the insertion of the 24mm spacers.

A posterior disc preparation set of instruments is available to supplement the Octane Straight Instrumentation.

TRIAL SIZING

Choose the appropriate Trial Spacer and attach it to either the T or Axial Handle. Insert the Trial Spacer into the intervertebral space (Figure 1) and rotate it 90° (Figure 2) in order to determine height adequacy. Repeat, using the next larger size

INSERTION - STANDARD TECHNIQUE

Using the preferred Inserter, position the spacer with the graft window in the cranial/caudal direction and impact on the end of the Inserter until the spacer is positioned across the midline and 3-4mm from the anterior longitudinal ligament (Figure 4).

NOTE: The Inserter shaft should be 30-45° from the midline.

Once the spacer has been fully inserted and the segment is fully distracted, use AP and Lateral fluoroscopy to confirm appropriate placement and trajectory.

Once the spacer positioning is confirmed, turn the knob on the proximal end of the Inserter counter-clockwise to release (Figure 5).



Figure 5
Disconnect the Inserter

DETAILED OPERATIVE TECHNIQUE

INSERTION - INSERT AND ROTATE TECHNIQUE

Note: Insert and Rotate option not available for Plasma Coated implants.

Using either the Straight or Pistol Grip Inserter, position the spacer with the graft window parallel to the vertebral endplate and impact on the end of the Inserter until the spacer is positioned across the midline and 3-4mm from the anterior longitudinal ligament. The Inserter shaft should be 30-45° from the midline (Figure 6).

Pack the internal cavity of the spacer with autologous bone.

Once the spacer is in position, rotate the Inserter 90° clockwise so that the main graft window of the spacer is in the cranial/caudal direction (Figure 7). Once the spacer has been fully inserted and rotated into position and the segment is fully distracted, use AP and Lateral fluoroscopy to confirm appropriate placement and trajectory.

Once the spacer position is confirmed, turn the knob on the end of the Inserter counter-clockwise to release.

REMOVAL

For spacer removal, expose the posterior anatomy to gain access to the posterior end of the spacer. Using either the Straight or Pistol Grip Threaded Inserter, thread the inner shaft into the threaded opening on the posterior end of the spacer and engage the slap hammer to remove (Figure 8).

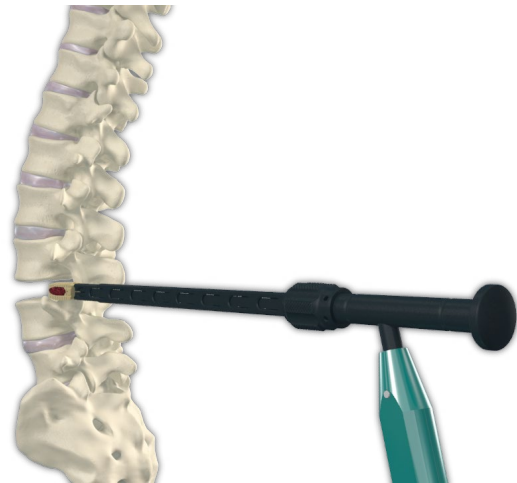


Figure 6
Insert Octane Straight PEEK Spacer



Figure 7
Rotate 90 Degrees to
Final Position

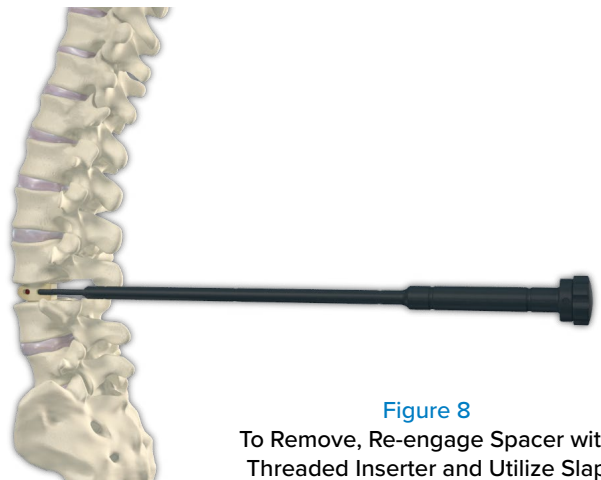


Figure 8
To Remove, Re-engage Spacer with
Threaded Inserter and Utilize Slap
Hammer

IMPLANT LISTING

Catalog Number Part Description

05-071-01-2406	Octane Straight Interbody 24mm x 10mm x 6mm Parallel
05-071-01-2407	Octane Straight Interbody 24mm x 10mm x 7mm Parallel
05-071-01-2408	Octane Straight Interbody 24mm x 10mm x 8mm Parallel
05-071-01-2409	Octane Straight Interbody 24mm x 10mm x 9mm Parallel
05-071-01-2410	Octane Straight Interbody 24mm x 10mm x 10mm Parallel
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05-071-01-2413	Octane Straight Interbody 24mm x 10mm x 13mm Parallel
05-071-01-2414	Octane Straight Interbody 24mm x 10mm x 14mm Parallel
05-071-01-2415	Octane Straight Interbody 24mm x 10mm x 15mm Parallel
05-071-02-2411	Octane Straight Interbody 24mm x 10mm x 11mm Insert & Rotate Parallel
05-071-02-2412	Octane Straight Interbody 24mm x 10mm x 12mm Insert & Rotate Parallel
05-071-02-2413	Octane Straight Interbody 24mm x 10mm x 13mm Insert & Rotate Parallel
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05-071-02-2415	Octane Straight Interbody 24mm x 10mm x 15mm Insert & Rotate Parallel
05-071-03-2407	Octane Straight Interbody 24mm x 10mm x 7mm Lordotic
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05-071-04-2411	Octane Straight Interbody 24mm x 10mm x 11mm Insert & Rotate Lordotic
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05-071-04-2415	Octane Straight Interbody 24mm x 10mm x 15mm Insert & Rotate Lordotic
05-071-01-2806	Octane Straight Interbody 28mm x 10mm x 6mm Parallel
05-071-01-2807	Octane Straight Interbody 28mm x 10mm x 7mm Parallel
05-071-01-2808	Octane Straight Interbody 28mm x 10mm x 8mm Parallel
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IMPLANT LISTING

Catalog Number Part Description

05-071-01-2406	Octane Straight Interbody 24mm x 10mm x 6mm Parallel
05-071-01-2407	Octane Straight Interbody 24mm x 10mm x 7mm Parallel
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IMPLANT LISTING

Catalog Number Part Description

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05-072-03-2414	Octane Straight PC Interbody 24mm x 10mm x 14mm Lordotic
05-072-03-2415	Octane Straight PC Interbody 24mm x 10mm x 15mm Lordotic

INSTRUMENT LISTING

Catalog Number Part Description

05-079-07-0000 Slap Hammer



05-049-01-0006 Trial Spacer, 6mm
05-049-01-0007 Trial Spacer, 7mm
05-049-01-0008 Trial Spacer, 8mm
05-049-01-0009 Trial Spacer, 9mm
05-049-01-0010 Trial Spacer, 10mm
05-049-01-0011 Trial Spacer, 11mm
05-049-01-0012 Trial Spacer, 12mm
05-049-01-0013 Trial Spacer, 13mm
05-049-01-0014 Trial Spacer, 14mm
05-049-01-0015 Trial Spacer, 15mm



05-049-02-0006 Paddle Scraper, 6mm
05-049-02-0007 Paddle Scraper, 7mm
05-049-02-0008 Paddle Scraper, 8mm
05-049-02-0009 Paddle Scraper, 9mm
05-049-02-0010 Paddle Scraper, 10mm
05-049-02-0011 Paddle Scraper, 11mm
05-049-02-0012 Paddle Scraper, 12mm
05-049-02-0013 Paddle Scraper, 13mm
05-049-02-0014 Paddle Scraper, 14mm
05-049-02-0015 Paddle Scraper, 15mm



28278 T-Handle Hudson Connect



28277 Straight Handle Hudson Connect



05-049-12-0000 Box Chisel-Starter Rasp



05-049-17-0000 Rasp, Angled
05-049-16-0000 Rasp, Straight



INSTRUMENT LISTING

Catalog Number Part Description

05-049-06-0001 Straight Threaded Inserter, Outer



05-049-06-0002 Straight Threaded Inserter, Inner



05-079-10-0001 Offset Threaded Inserter



05-079-11-0000 Offset Non-Threaded Inserter



05-079-09-0000 Straight Non-Threaded Inserter



05-079-04-0000 Straight Implant Pusher



05-079-05-0000 Angled Implant Pusher



INSTRUMENT LISTING

Catalog Number Part Description

05-079-07-0000 Slap Hammer



05-049-01-0006 Trial Spacer, 6mm
 05-049-01-0007 Trial Spacer, 7mm
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 05-049-01-0010 Trial Spacer, 10mm
 05-049-01-0011 Trial Spacer, 11mm
 05-049-01-0012 Trial Spacer, 12mm
 05-049-01-0013 Trial Spacer, 13mm
 05-049-01-0014 Trial Spacer, 14mm
 05-049-01-0015 Trial Spacer, 15mm



05-049-02-0006 Paddle Scraper, 6mm
 05-049-02-0007 Paddle Scraper, 7mm
 05-049-02-0008 Paddle Scraper, 8mm
 05-049-02-0009 Paddle Scraper, 9mm
 05-049-02-0010 Paddle Scraper, 10mm
 05-049-02-0011 Paddle Scraper, 11mm
 05-049-02-0012 Paddle Scraper, 12mm
 05-049-02-0013 Paddle Scraper, 13mm
 05-049-02-0014 Paddle Scraper, 14mm
 05-049-02-0015 Paddle Scraper, 15mm



28278 T-Handle Hudson Connect



28277 Straight Handle Hudson Connect



05-049-12-0000 Box Chisel-Starter Rasp



05-049-17-0000 Rasp, Angled
 05-049-16-0000 Rasp, Straight



INSTRUMENT LISTING

Catalog Number Part Description

05-049-06-0001 Straight Threaded Inserter, Outer



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05-079-10-0001 Offset Threaded Inserter



05-079-11-0000 Offset Non-Threaded Inserter



05-079-09-0000 Straight Non-Threaded Inserter



05-079-04-0000 Straight Implant Pusher



05-079-05-0000 Angled Implant Pusher



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



400 Erin Drive, Knoxville, TN 37919 | O: 865.246.3333 | F: 865.246.3334 | choicespine.com

STG-000007 REV A | 05/22