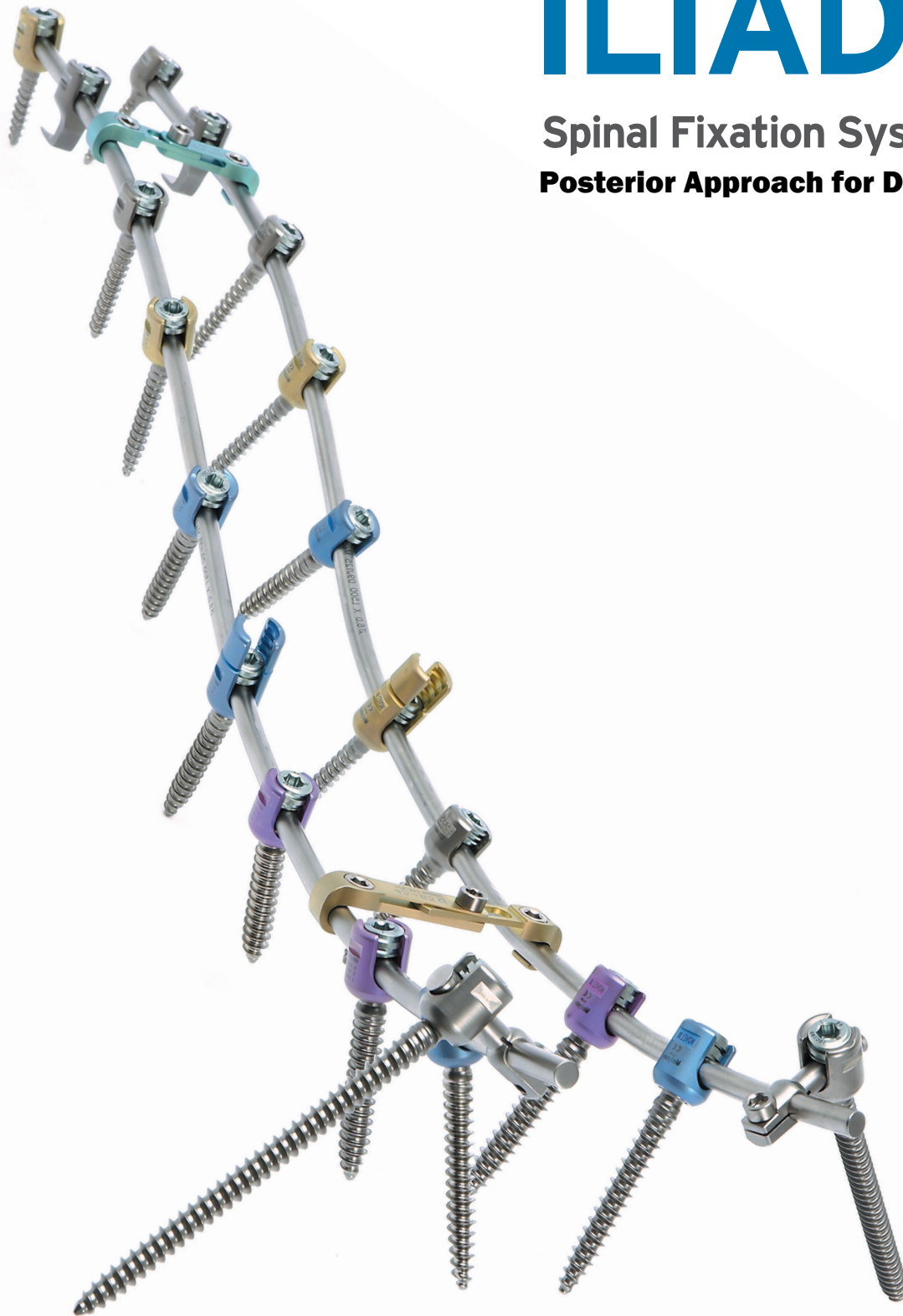
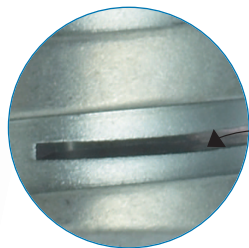


# ILIAD™

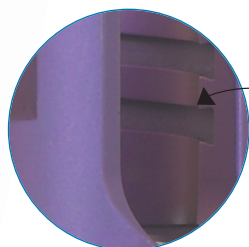
Spinal Fixation System  
Posterior Approach for Deformity



## ILIAD™ SYSTEM Competitive Advantage

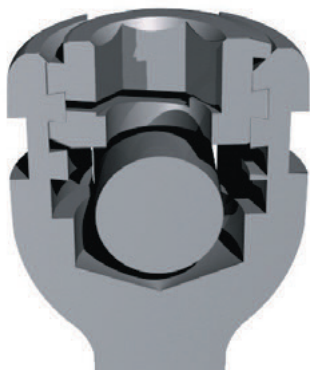


1. Linear Slot Design built into the threads allows for increase holding force during final tightening. The design acts like a vice grip reducing the chance of the set screw back out after final tightening.

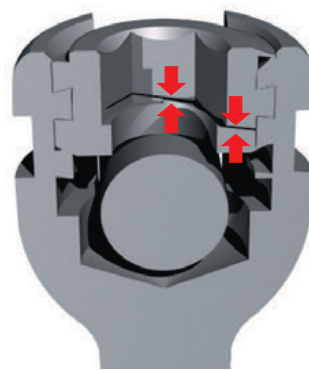


2. Unique Dovetail Thread Design allows easy insertion while reducing the chance of cross threading.

### Linear Slot Effect



Provisional tightened set screw



Final tightened set screw with linear slot compressed

## Introduction

**ILIAD™ Spinal Fixation System** provides simple and comprehensive stabilization solutions for spinal fixation. The Patented Reverse **DOVETAIL** Locking System with **LINEAR SLOT** is a foundation of the ILIAD™ system. This unique thread design practically eliminates cross threading, prevents splaying of the screw head and increase the holding moment up to 30Nm.

- Outside Head Diameter : 13.80mm
- Reverse Dove Tail Thread
- Linear Slot in the middle of Set Screw
- Top-Loading, Top-Tightening, Self-Tapping Screws
- Oscillation Angle up to 60°
- Anodized Color-coding of Polyaxial Pedicle Screws by Diameter
- Accomodate Both 6.0 and 6.35 Rods.
- Material : Ti6Al-4V ELI per ASTM F136

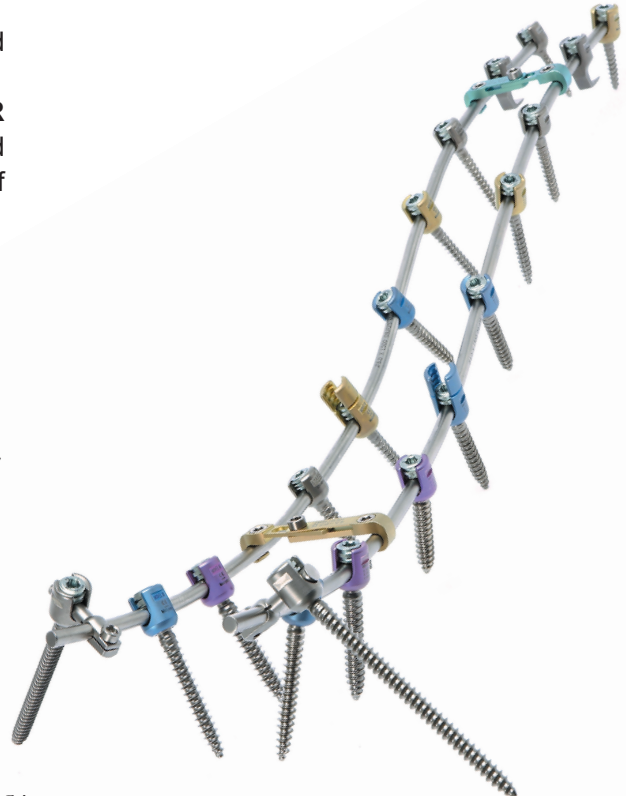
## Indications

ILIAD™ Spinal Fixation System is indicated for the treatment of degenerative disc diseases and instabilities, degenerative spondylolisthesis, isthmic spondylolisthesis, deformity or curvatures (scoliosis, kyphosis, lordosis), pseudoarthrosis or failed spondylodesis.

- Degenerative Disc Diseases and Instabilities
- Degenerative Spondylolisthesis
- Isthmic Spondylolisthesis
- Deformity or curvatures (scoliosis, kyphosis, lordosis)
- Pseudoarthrosis or Failed Spondylodesis

## Contraindications

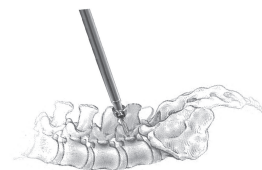
- Severe Osteoporosis
- Unstable Burst Fractures and Compression Fractures
- Destructive Tumors
- Acute Infections
- Extensive Peridural Scarring



## STEP 1 PEDICLE SCREW PLACEMENT

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Follow Step 1 through Step 9 from Iliad™ Spinal Fixation System Surgical Technique for Pedicle Screw Placement.



## STEP 2 HOOK PLACEMENT

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Use the Lamina Finder to prepare and identify the Lamina for Lamina Hook. Lamina Finder separates ligamentum flavum from the lamina to ensure good bony contact.

Use the Pedicle Finder to open facet capsule and locate pedicle. A small piece of inferior articular process may be removed with osteotome to ensure proper pedicle hook seating. The hook may be inserted in a cephalad direction and placed into joint cavity and not splitting the inferior articular process.

Use the Housing Holder to place the hook in the desired location. Use the Hook Impactor to properly seat and clip the hook. If needed, a Mallet may be used to impact the Impactor.

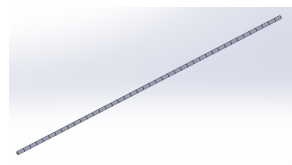
The Offset Hook may be used in conjunction with Pedicle Hook for the transverse process site.



## STEP 3 ROD PLACEMENT

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Use Rod Template to determine the contour and length of the rod. Cut the rod to length using the Rod Cutter. Then, contour the rod according to rod template using the Rod Bender. You may bend the rod in-situ using the Single Bender. Once rod is ready, use the Rod Holder to position the rod onto screws and hooks.



## STEP 4 ATTACHING OF CONNECTORS

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In situation where rod contour or patient anatomy prevents direct connection and alignment, use Transverse Connector to attach in lateral extension any screw or hook to rod. Use the Zenius Cross Link Driver to tighten the nut for closure. This may eliminate coronal plane bending reducing the stress at bone/screw interface. PoliAxial Connector are available for conical angulation if needed.

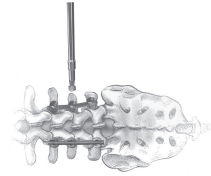
Use Single or Double Connector (also called the Domino) to connect and extend construct with two rods. Use the Zenius Cross Link Driver to tighten the nut for closure.



## STEP 5 SET SCREW INSERTION

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Load the Inserter onto the housing of each Screw and Hook. Then, position the Set Screw using Set Screw Starter and tighten it using the Set Screw Driver. Make sure the Set Screw is only tightened enough to move rod.



## STEP 6 DISTRACTION AND COMPRESSION

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Use the Large Distractor or Large Compressor to distract against the point of fixation to achieve the desired sagittal-plane construct. Use Rod Holder as a point of fixation against which to distract or compress. For derotation, grasp the rod with Rod Holder and rotate the rod in proper direction using the Derotator.



## STEP 7 FINAL LOCKING AND CROSS LINK INSERTION

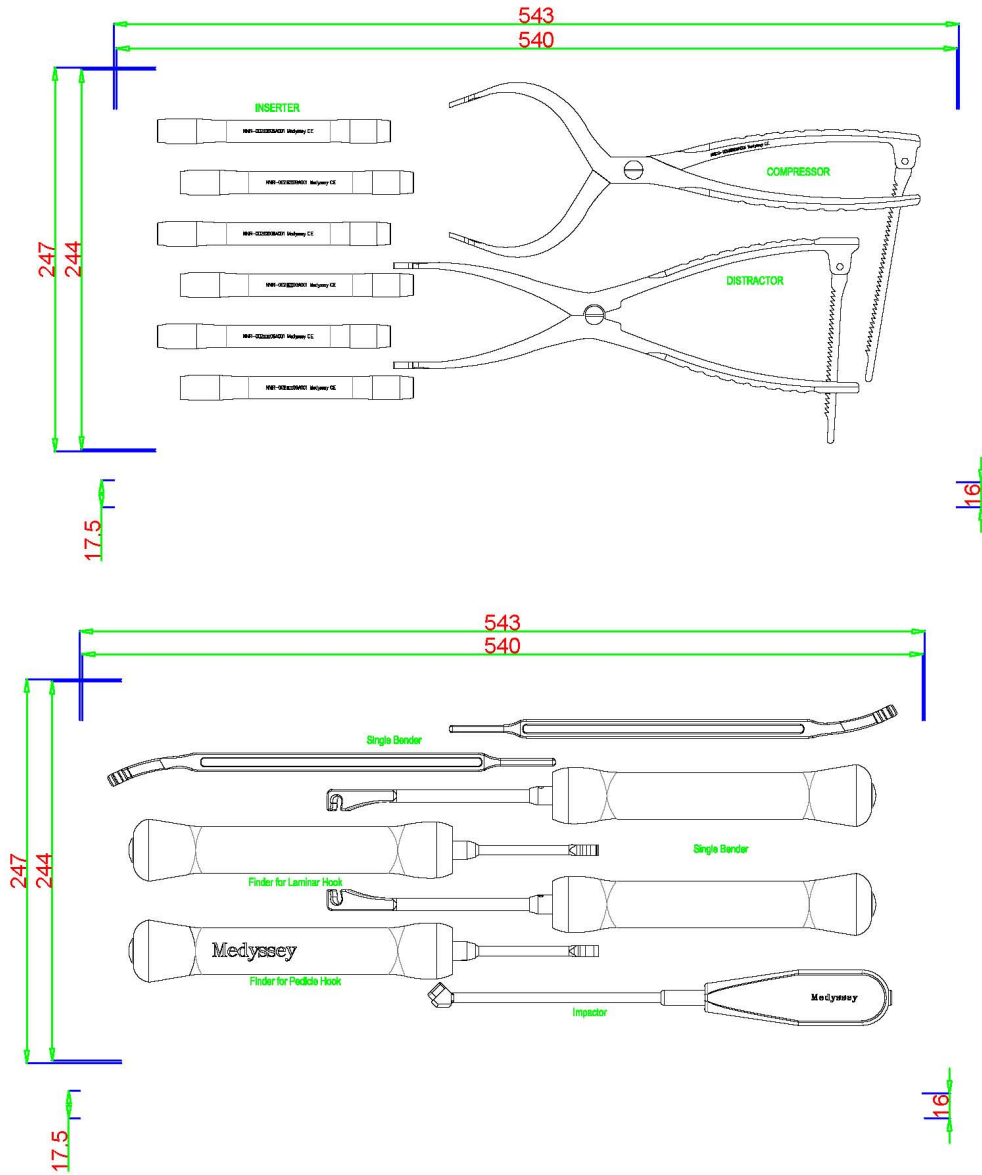
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Once the construct is in desired position, load the Anti-torque Wrench over screw housing. Then, use the 13Nm Torque Wrench for final tightening of Set Screw. Note that any distraction or compression must be completed before final tightening.

After final tightening of set screw, the transverse link is installed. The transverse link assembly consists of two transverse bar and two transverse hooks. Use the Cross Link Driver to tighten the transverse hook and center locking screw onto rod.



# Instrument



<b>Implant</b>		
Code	Description	Size
PH0707	Pedicle Hook	7*7
PH0907	Pedicle Hook	7*9
LH0707	Laminar Hook	7*7
LH0907	Laminar Hook	7*9
OHL060	Off Set Hook	L
OHR060	Off Set Hook	R
SCB6060	Single Connector	-
SDCB6060	Double Connector	Small
LDCB6060	Double Connector	Double
PO6580	Iliac Screw	6.5x80
PO6590	Iliac Screw	6.5x90
PO65100	Iliac Screw	6.5x100
TCL6060	Iliac Connector	Transvers / 20mm
TCX6060	Iliac Connector	Transvers / 40mm
IPCCL6060	Iliac Connector	Poly / 20mm
IPCCX6060	Iliac Connector	Poly / 40mm
IMCCL6060	Iliac Connector	Mono / 20mm
IMCCX6060	Iliac Connector	Mono / 40mm

<b>Instrument</b>		
Code	Description	Size
NNIR-002	Insertor	
NNCO-201	Large compressor	
NNDR-201	Large spreader (Distractor)	
NNLS-R01	Single bender	Right
NNLS-L01	Single bender	Left
NNSH-R01	Handle single bender	Right
NNSH-L01	Handle single bender	Left
NHLF-701	Finder Laminar	7mm
NHPF-701	Finder Pedicle	7mm
NHLH-001	Impactor	
NNHH-002	Housing Holder	
NZCT-101	Zenius Cross Link Driver (For connector screw)	



*At the Helm of Medical Technology™*

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