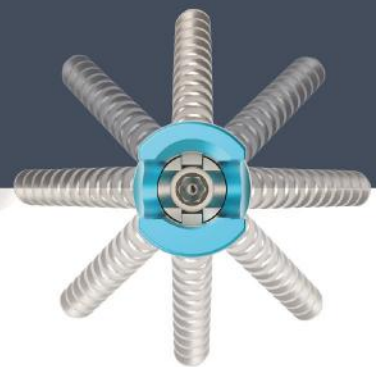


SURGICAL TECHNIQUE



PLEXUS

Posterior Thoracolumbar
Fixation System



PLEXUS

Posterior Thoracolumbar
Fixation System

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PLEXUS

Posterior Thoracolumbar
Fixation System

INTRODUCTION



PLEXUS Features

- Easy Lock System
- Cylindrical feature Self-Tapping
- 57 degree with polyaxial screws
- Implantable pedicle screws as a Monoaxial and Polyaxial screw
- Designed to minimize soft tissue interaction
- Excellent anchoring stability of the implants guaranties lasting safety
- 5,5 mm and 6,0 mm spinal system available

PLEXUS

Posterior Thoracolumbar Fixation System

INTRODUCTION



Indications

Plexus is intended to provide immobilization and stabilization of spinal segments in skeletally mature patients as an adjunct to fusion in the treatment of acute and chronic instabilities or deformities of the thoracic, lumbar and sacral spine.

Plexus is intended for non-cervical pedicle fixation and non-pedicle fixation for the following indications: degenerative disc disease (defined as back pain of discogenic origin with degeneration of the disc confirmed by history and radiographic studies); spondylolisthesis; trauma (i.e., fracture or dislocation); spinal stenosis; curvatures (i.e., scoliosis, kyphosis, and/or lordosis); tumour; pseudoarthrosis; and failed previous fusion in skeletally mature patients.

Contraindications

Disease conditions that have been shown to be safely and predictably managed without the use of internal fixation devices are relative contraindications to the use of these devices.

Active systemic infection or infection localised to the site of the proposed implantation are contraindications to implantation.

Severe osteoporosis is a relative contraindication because it may prevent adequate fixation of spinal anchors and thus preclude the use of this or any other spinal instrumentation system.

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Posterior Thoracolumbar Fixation System

SURGICAL TECHNIQUE

1

Patient positioning



Position the patient in a restored physiological lordosis.



Figure 1a

2

Exposure



Surgical levels may be verified either clinically or radiographically. To help ensure adequate exposure, the incision is made to extend just beyond the length of the intended fusion.

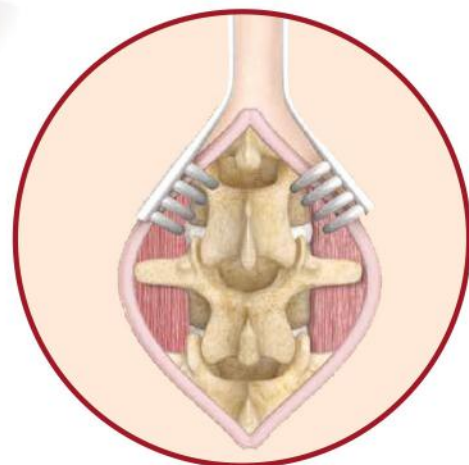


Figure 2a

PLEXUS

Posterior Thoracolumbar Fixation System

SURGICAL TECHNIQUE

3

Preparing the Pedicle

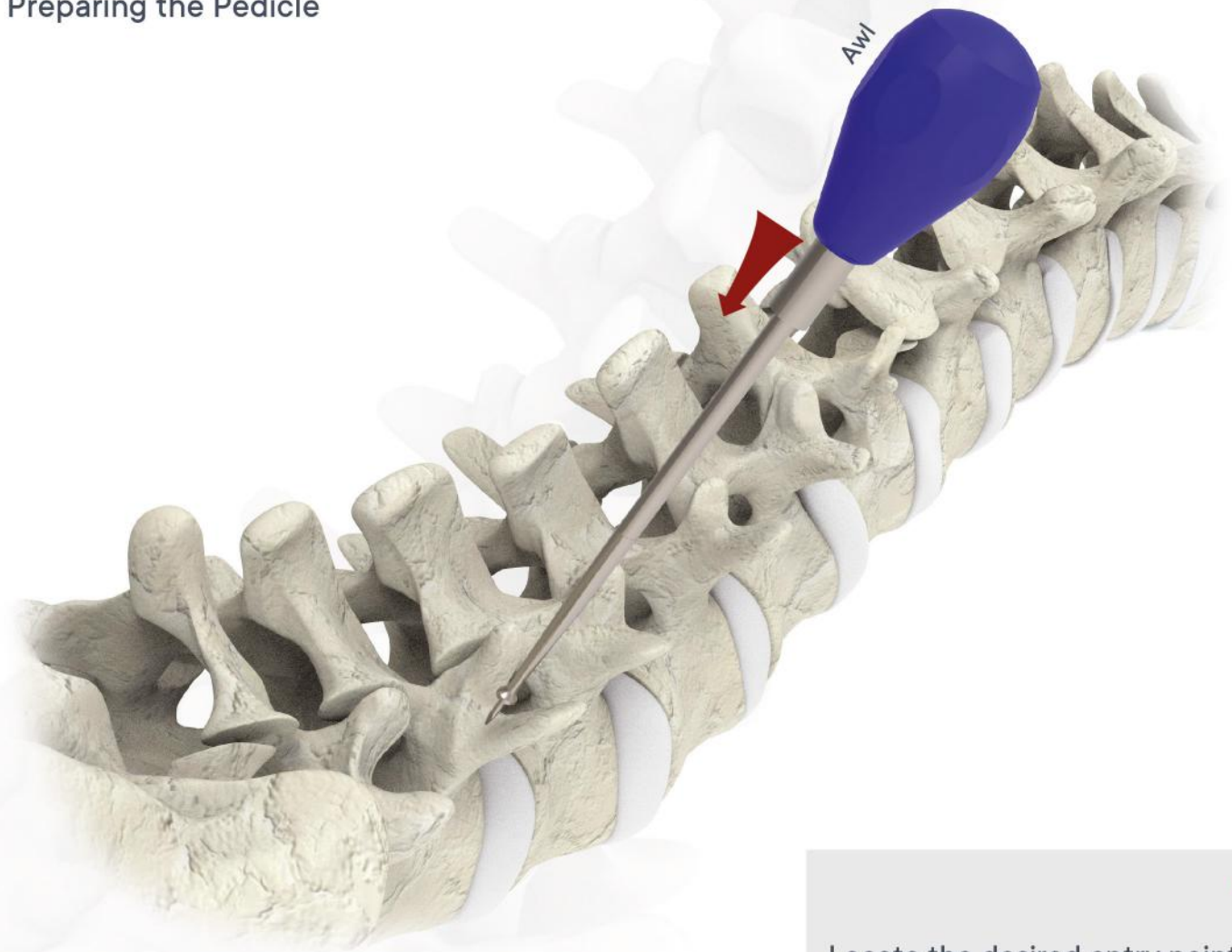


Figure 3a



Locate the desired entry point into the pedicle and perforate the cortex. A pilot hole can also be created, using a **Awi (PS020)**.

PLEXUS

Posterior Thoracolumbar Fixation System

SURGICAL TECHNIQUE

3

Preparing the Pedicle

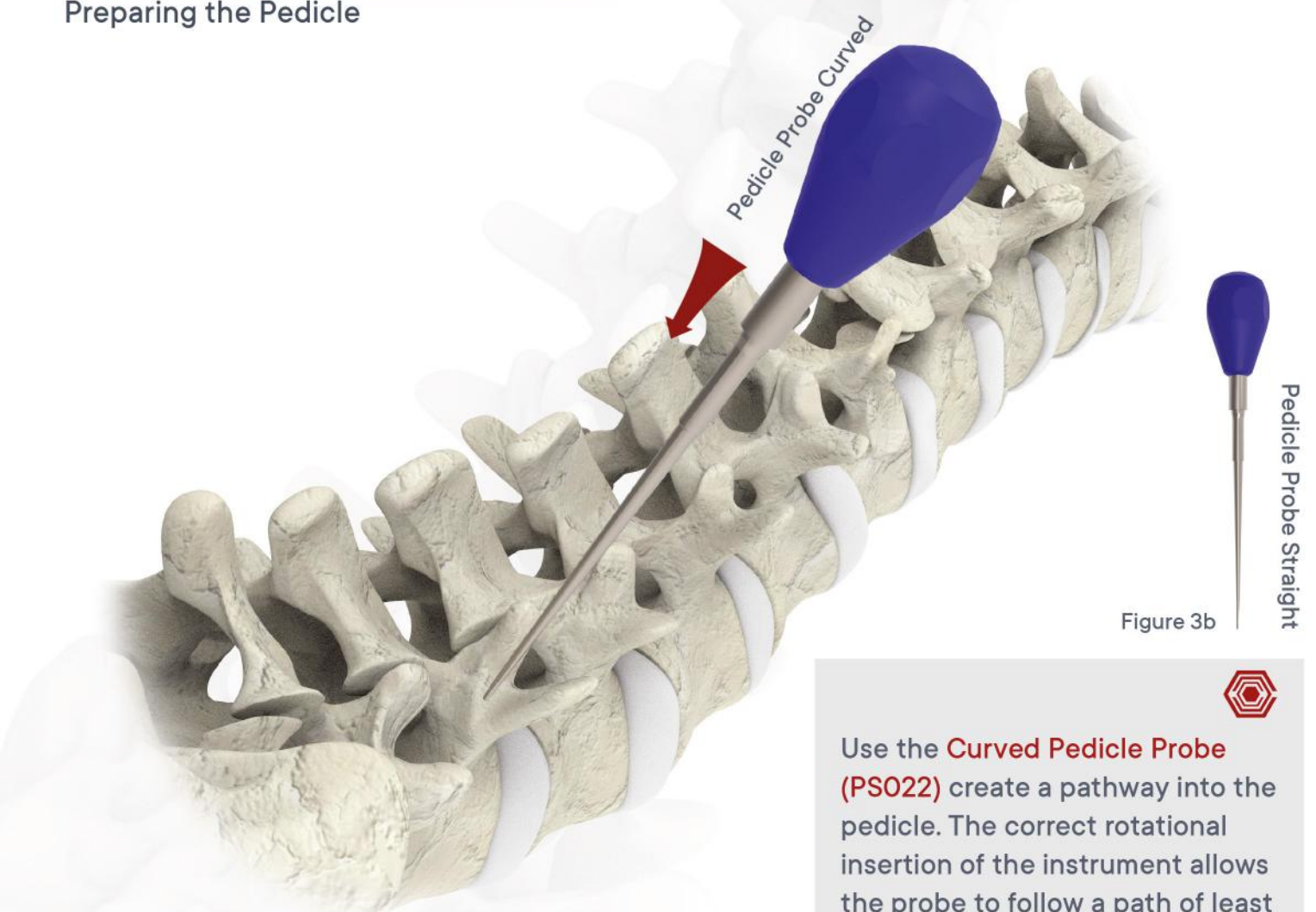


Figure 3b

Figure 3c



Use the **Curved Pedicle Probe (PS022)** create a pathway into the pedicle. The correct rotational insertion of the instrument allows the probe to follow a path of least resistance without violating the pedicle walls. If desired can be use the **Straight Pedicle Probe (PS021)**.

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Posterior Thoracolumbar Fixation System

SURGICAL TECHNIQUE

4

Tapping



For increased bone purchase, use the taps to prepare the pedicle canal. After attaching a **T Handle (PS010)** insert the **Tap (PS030)** into the pedicle and the vertebral body.



Figure 4b



Figure 4a



Taps are available in the following sizes:

Ø4.5mm Tap (PS030)

Ø5.5mm Tap (PS031)

Ø6.5mm Tap (PS032)



PLEXUS

Posterior Thoracolumbar Fixation System

SURGICAL TECHNIQUE

5

Screw Types



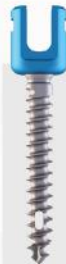
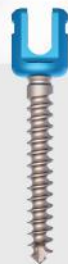
PLEXUS MONOAXIAL SCREW



PLEXUS MONOAXIAL
LYSTHESIS SCREW



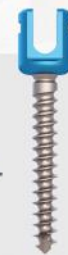
PLEXUS POLYAXIAL SCREW



PLEXUS POLYAXIAL
FENESTRATED SCREW



PLEXUS CANNULATED POLYAXIAL
SCREW



PLEXUS REDUCTION
POLYAXIAL SCREW

PLEXUS

Posterior Thoracolumbar Fixation System

SURGICAL TECHNIQUE

6

Polyaxial Screw Insertion



The Polyaxial Screw Driver (PS027) provide a rigid connection between the polyaxial screw and the T Handle.



Figure 6a



NOTE:

The Polyaxial Screw Driver (PS027) attaching a T Handle (PS010). (Figure 6b)

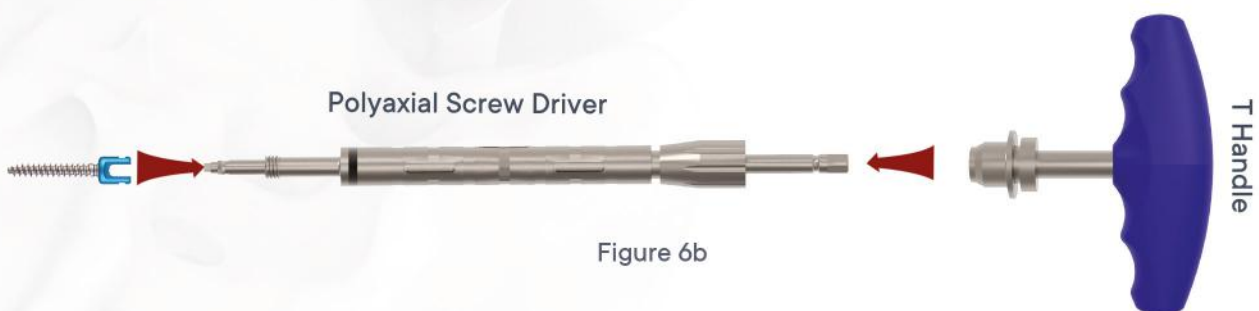


Figure 6b

PLEXUS

Posterior Thoracolumbar Fixation System

SURGICAL TECHNIQUE

6

Polyaxial Screw Insertion



Figure 6c

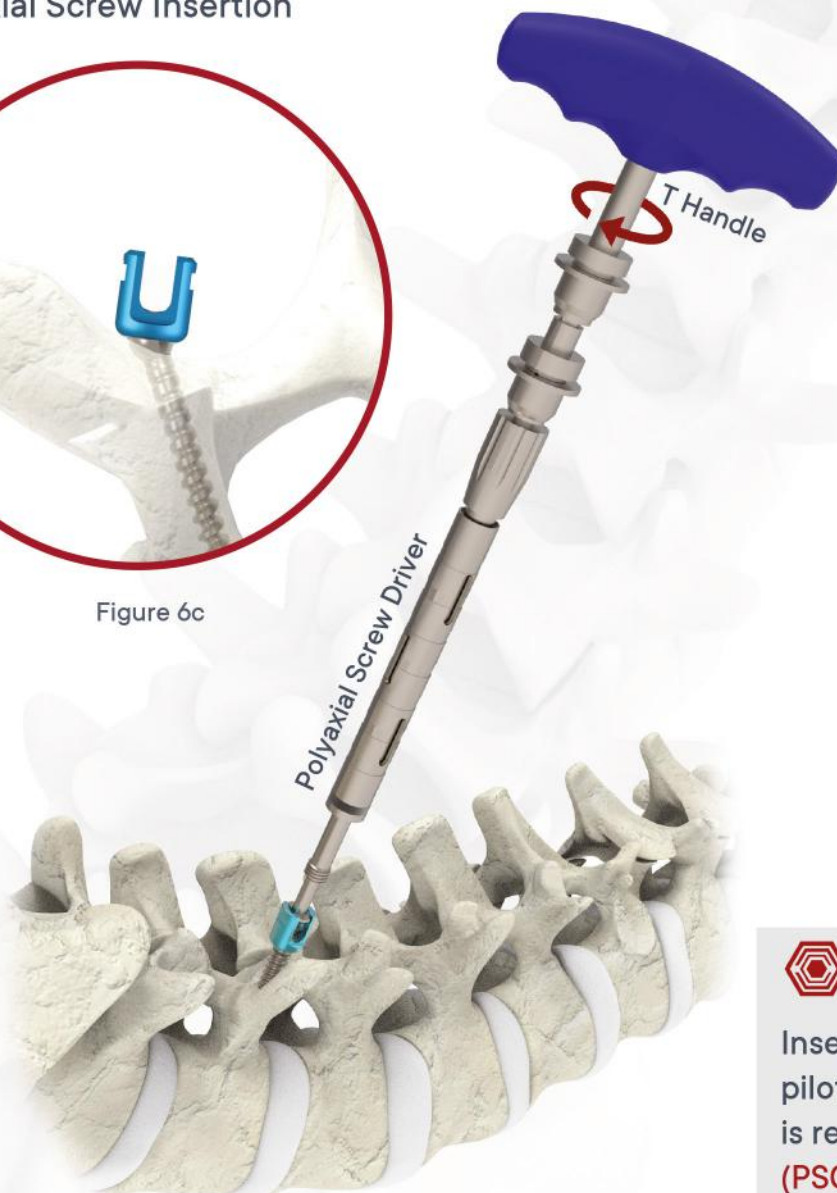


Figure 6d



Monoaxial Screw
Driver (PS028)



Insert the polyaxial screw into the pilot hole until the desired depth is reached. **Polyaxial Screw Driver (PS027)**

PLEXUS

Posterior Thoracolumbar Fixation System

SURGICAL TECHNIQUE

7

Rod Preparation



Optional Instrument:

Use the appropriate pre-cut rods or cut a longer rod to the desired length using the **Rod Cutter (PX042)**. (Figure 7a)

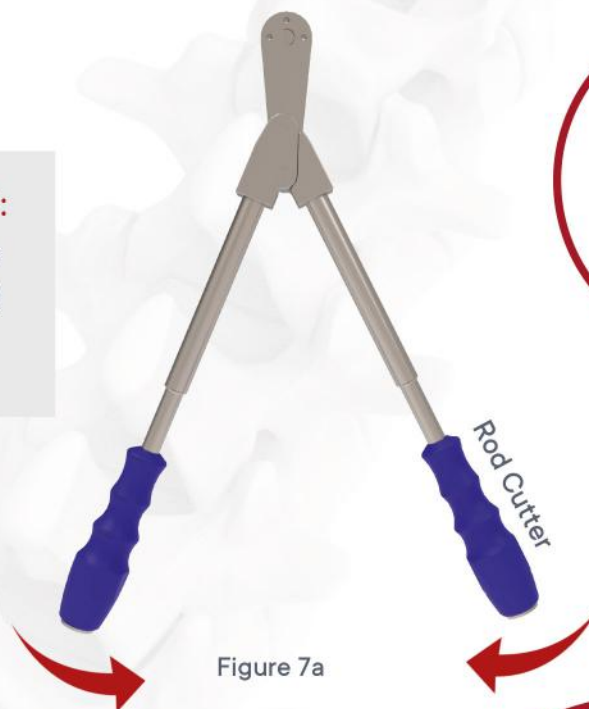


Figure 7a



Figure 7b



To fit the desired spinal contours, rod bending can be performed with the **Rod Bender (PS007)**. To contour the rod, a series of small incremental adjustments will bend the rod gradually and help ensure even stress distribution on the rod. (Figure 7c)



Figure 7c

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Posterior Thoracolumbar Fixation System

SURGICAL TECHNIQUE

8

Rod Insertion



Figure 8a

NOTE:



Do not repeatedly contour the rod. Care should be taken not to make extreme bends, so as to avoid stress concentration and notching of the rod. Do not contour a bent rod in the opposite direction; bending and unbending the rod.



Once the rod is bent to the desired contour, **Forceps Rod Holder (PS012)** can be used to help place the rod into the grooves of the implant. (Figure 8a)

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Posterior Thoracolumbar Fixation System

SURGICAL TECHNIQUE

8

Rod Insertion

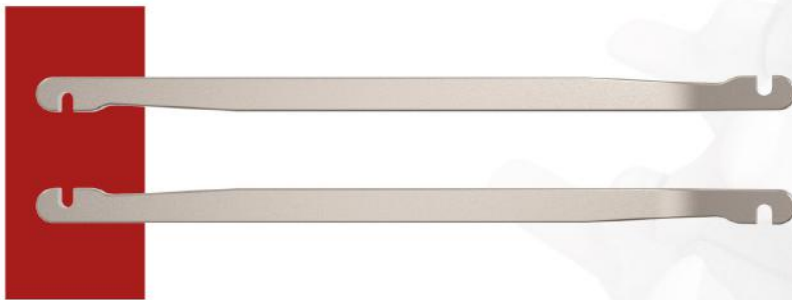


Figure 8b



The In-Situ Bender R (PS005),
In-Situ Bender L (PS006) can be
used to achieve final incremental
correction maneuvers. (Figure 8c)

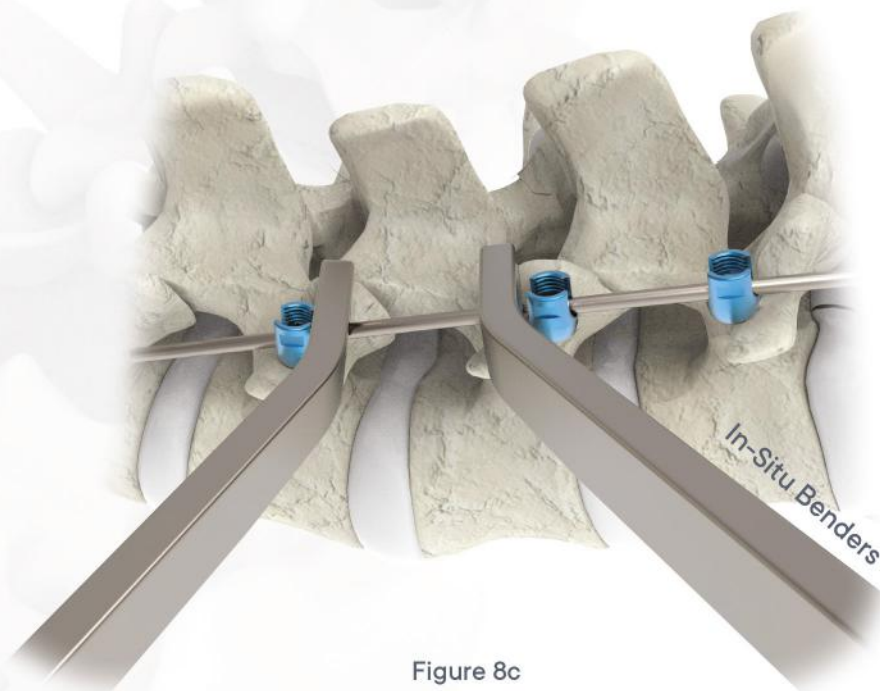


Figure 8c

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Posterior Thoracolumbar Fixation System

SURGICAL TECHNIQUE

9

Rod Reduction



Turn the rear part of the **Persuader** (PS003) and retract the shaft for easier gripping of the screw head. (Figure 9a)

Persuader



Step 1



Step 2



Step 3

Figure 9a



Figure 9b

PLEXUS

Posterior Thoracolumbar Fixation System

SURGICAL TECHNIQUE

9

Rod Reduction



Step 1: Verify the indication line on the **Persuader (PS003)** is in the “2” starting position.

Step 2: Connect the **Persuader** to the head of the implant. Rotate the handle of the **Persuader** clockwise until the indication line is in the “1” position. At this position the **Persuader** is locked to the implant and the rod can be pushed into the screw. (Figure 9c)



To Remove the Persuader:

Step 1: Rotate the handle counterclockwise until the indication line is in the “0” starting position.

Step 2: Twist the instrument to disengage from the implant.

NOTE: Blockers can be inserted through the Persuader into the screw heads.



Figure 9c

PLEXUS

Posterior Thoracolumbar Fixation System

SURGICAL TECHNIQUE

10

Compression and Distraction

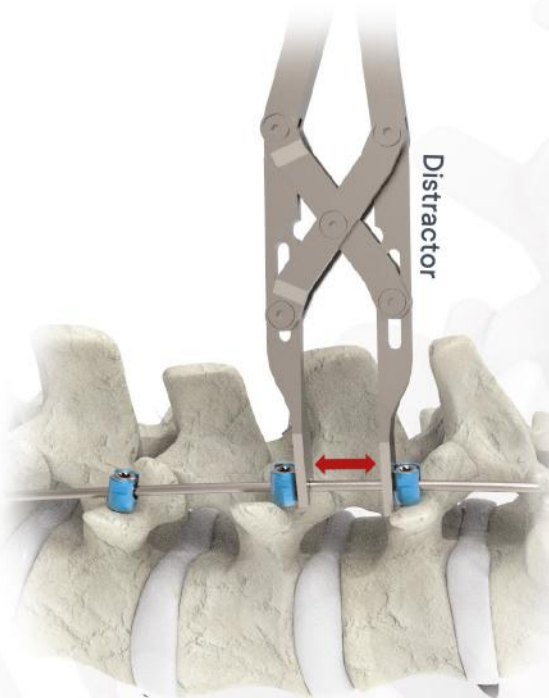


Figure 10a



NOTE:

The compression or distraction maneuvers should be performed once all of the blockers are inserted but not final tightened.



Compressor (PS002) and **Distractor (PS001)** are available for both distracting and compressing the disc space as well as correcting spinal deformities. Spinal deformities can be affected by creating a distraction on the concavity of the deformity and compression on the convexity of the deformity.

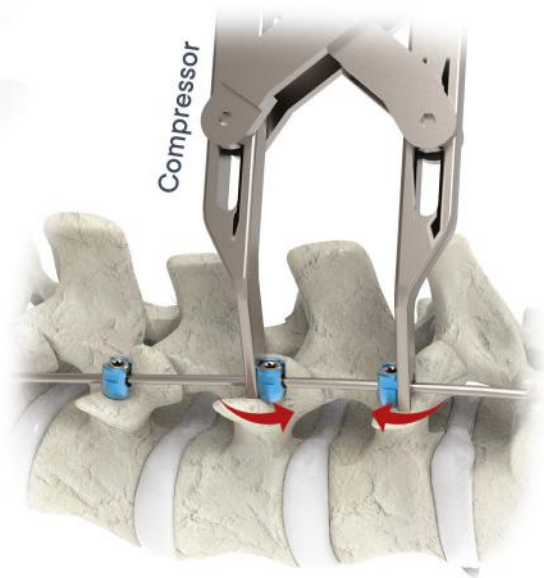


Figure 10b

PLEXUS

Posterior Thoracolumbar Fixation System

SURGICAL TECHNIQUE

11

Final Process



Figure 11a

Step 1: Place the **Anti-Torque (PS008)** over the screw head.
Step 2: Place the **10 Nm Torque Limiting Handle (PS009)** through the **Anti-Torque (PS008)** until it is guided into the **Set Screw Driver For 10 Nm Torque (PS015)**.

Break Reduction Screw Heads Using the **Lysthesis Screw Head Cutter (PS017)**



Figure 11b

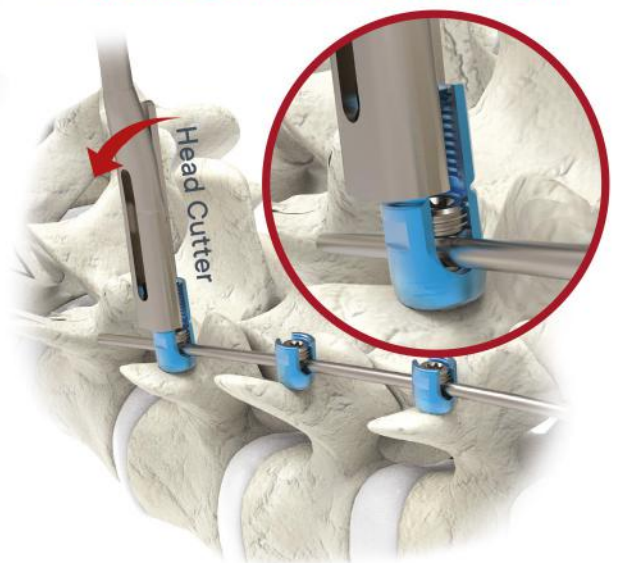


Figure 11c

PLEXUS

Posterior Thoracolumbar Fixation System

SURGICAL TECHNIQUE

12

Transverse Link Placement



Use the **Forceps Transvers Link Holder (PS013)** to place the appropriate length connector on the rod. Use the **Final Screw Driver (PS018)** to tighten one of the set screws onto the rod. **Multiaxial Transvers Link Fixer (PS025)**



Figure 12a



Figure 12b



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Posterior Thoracolumbar Fixation System

IMPLANT TYPES



Catalogue No.	Diameter	Length	Catalogue No.	Diameter	Length
NMSMA4025	4,0 mm	25 mm	NMSMA6530	6,5 mm	30 mm
NMSMA4030	4,0 mm	30 mm	NMSMA6535	6,5 mm	35 mm
NMSMA4035	4,0 mm	35 mm	NMSMA6540	6,5 mm	40 mm
NMSMA4040	4,0 mm	40 mm	NMSMA6545	6,5 mm	45 mm
NMSMA4045	4,0 mm	45 mm	NMSMA6550	6,5 mm	50 mm
NMSMA4530	4,5 mm	30 mm	NMSMA6555	6,5 mm	55 mm
NMSMA4535	4,5 mm	35 mm	NMSMA6560	6,5 mm	60 mm
NMSMA4540	4,5 mm	40 mm	NMSMA7030	7,0 mm	30 mm
NMSMA4545	4,5 mm	45 mm	NMSMA7035	7,0 mm	35 mm
NMSMA5030	5,0 mm	30 mm	NMSMA7040	7,0 mm	40 mm
NMSMA5035	5,0 mm	35 mm	NMSMA7045	7,0 mm	45 mm
NMSMA5040	5,0 mm	40 mm	NMSMA7050	7,0 mm	50 mm
NMSMA5045	5,0 mm	45 mm	NMSMA7055	7,0 mm	55 mm
NMSMA5050	5,0 mm	50 mm	NMSMA7060	7,0 mm	60 mm
NMSMA5530	5,5 mm	30 mm	NMSMA7530	7,5 mm	30 mm
NMSMA5535	5,5 mm	35 mm	NMSMA7535	7,5 mm	35 mm
NMSMA5540	5,5 mm	40 mm	NMSMA7540	7,5 mm	40 mm
NMSMA5545	5,5 mm	45 mm	NMSMA7545	7,5 mm	45 mm
NMSMA5550	5,5 mm	50 mm	NMSMA7550	7,5 mm	50 mm
NMSMA5555	5,5 mm	55 mm	NMSMA7555	7,5 mm	55 mm
NMSMA6035	6,0 mm	35 mm	NMSMA7560	7,5 mm	60 mm
NMSMA6040	6,0 mm	40 mm	NMSMA8035	8,0 mm	35 mm
NMSMA6045	6,0 mm	45 mm	NMSMA8040	8,0 mm	40 mm
NMSMA6050	6,0 mm	50 mm	NMSMA8045	8,0 mm	45 mm
NMSMA6055	6,0 mm	55 mm	NMSMA8050	8,0 mm	50 mm
			NMSMA8055	8,0 mm	55 mm
			NMSMA8060	8,0 mm	60 mm

PLEXUS

Posterior Thoracolumbar Fixation System

IMPLANT TYPES

PLEXUS MONOAXIAL LYSTHESIS SCREW



Catalogue No.	Diameter	Length	Catalogue No.	Diameter	Length
NMSMRS4025	4,0 mm	25 mm	NMSMRS6530	6,5 mm	30 mm
NMSMRS4030	4,0 mm	30 mm	NMSMRS6535	6,5 mm	35 mm
NMSMRS4035	4,0 mm	35 mm	NMSMRS6540	6,5 mm	40 mm
NMSMRS4040	4,0 mm	40 mm	NMSMRS6545	6,5 mm	45 mm
NMSMRS4045	4,0 mm	45 mm	NMSMRS6550	6,5 mm	50 mm
NMSMRS4525	4,5 mm	25 mm	NMSMRS6555	6,5 mm	55 mm
NMSMRS4530	4,5 mm	30 mm	NMSMRS6560	6,5 mm	60 mm
NMSMRS4535	4,5 mm	35 mm	NMSMRS7035	7,0 mm	35 mm
NMSMRS4540	4,5 mm	40 mm	NMSMRS7040	7,0 mm	40 mm
NMSMRS4545	4,5 mm	45 mm	NMSMRS7045	7,0 mm	45 mm
NMSMRS5030	5,0 mm	30 mm	NMSMRS7050	7,0 mm	50 mm
NMSMRS5035	5,0 mm	35 mm	NMSMRS7055	7,0 mm	55 mm
NMSMRS5040	5,0 mm	40 mm	NMSMRS7060	7,0 mm	60 mm
NMSMRS5045	5,0 mm	45 mm	NMSMRS7530	7,5 mm	30 mm
NMSMRS5050	5,0 mm	50 mm	NMSMRS7535	7,5 mm	35 mm
NMSMRS5055	5,0 mm	55 mm	NMSMRS7540	7,5 mm	40 mm
NMSMRS5530	5,5 mm	30 mm	NMSMRS7545	7,5 mm	45 mm
NMSMRS5535	5,5 mm	35 mm	NMSMRS7550	7,5 mm	50 mm
NMSMRS5540	5,5 mm	40 mm	NMSMRS7555	7,5 mm	55 mm
NMSMRS5545	5,5 mm	45 mm	NMSMRS7560	7,5 mm	60 mm
NMSMRS5550	5,5 mm	50 mm	NMSMRS8030	8,0 mm	30 mm
NMSMRS5555	5,5 mm	55 mm	NMSMRS8040	8,0 mm	40 mm
NMSMRS6035	6,0 mm	35 mm	NMSMRS8045	8,0 mm	45 mm
NMSMRS6040	6,0 mm	40 mm	NMSMRS8050	8,0 mm	50 mm
NMSMRS6045	6,0 mm	45 mm	NMSMRS8055	8,0 mm	55 mm
NMSMRS6050	6,0 mm	50 mm	NMSMRS8060	8,0 mm	60 mm
NMSMRS6055	6,0 mm	55 mm			

PLEXUS

Posterior Thoracolumbar Fixation System

IMPLANT TYPES



Catalogue No.	Diameter	Length	Catalogue No.	Diameter	Length
NMSPA4020	4,0 mm	20 mm	NMSPA6030	6,0 mm	30 mm
NMSPA4025	4,0 mm	25 mm	NMSPA6035	6,0 mm	35 mm
NMSPA4030	4,0 mm	30 mm	NMSPA6040	6,0 mm	40 mm
NMSPA4035	4,0 mm	35 mm	NMSPA6045	6,0 mm	45 mm
NMSPA4040	4,0 mm	40 mm	NMSPA6050	6,0 mm	50 mm
NMSPA4045	4,0 mm	45 mm	NMSPA6055	6,0 mm	55 mm
NMSPA4520	4,5 mm	20 mm	NMSPA6525	6,5 mm	25 mm
NMSPA4525	4,5 mm	25 mm	NMSPA6530	6,5 mm	30 mm
NMSPA4530	4,5 mm	30 mm	NMSPA6535	6,5 mm	35 mm
NMSPA4535	4,5 mm	35 mm	NMSPA6540	6,5 mm	40 mm
NMSPA4540	4,5 mm	40 mm	NMSPA6545	6,5 mm	45 mm
NMSPA4545	4,5 mm	45 mm	NMSPA6550	6,5 mm	50 mm
NMSPA4550	4,5 mm	50 mm	NMSPA6555	6,5 mm	55 mm
NMSPA4555	4,5 mm	55 mm	NMSPA6560	6,5 mm	60 mm
NMSPA5025	5,0 mm	25 mm	NMSPA7030	7,0 mm	30 mm
NMSPA5030	5,0 mm	30 mm	NMSPA7035	7,0 mm	35 mm
NMSPA5035	5,0 mm	35 mm	NMSPA7040	7,0 mm	40 mm
NMSPA5040	5,0 mm	40 mm	NMSPA7045	7,0 mm	45 mm
NMSPA5045	5,0 mm	45 mm	NMSPA7050	7,0 mm	50 mm
NMSPA5050	5,0 mm	50 mm	NMSPA7055	7,0 mm	55 mm
NMSPA5055	5,0 mm	55 mm	NMSPA7525	7,5 mm	25 mm
NMSPA5520	5,5 mm	20 mm	NMSPA7530	7,5 mm	30 mm
NMSPA5525	5,5 mm	25 mm	NMSPA7535	7,5 mm	35 mm
NMSPA5530	5,5 mm	30 mm	NMSPA7540	7,5 mm	40 mm
NMSPA5535	5,5 mm	35 mm	NMSPA7545	7,5 mm	45 mm
NMSPA5540	5,5 mm	40 mm	NMSPA7550	7,5 mm	50 mm
NMSPA5545	5,5 mm	45 mm	NMSPA7555	7,5 mm	55 mm
NMSPA5550	5,5 mm	50 mm	NMSPA7560	7,5 mm	60 mm
NMSPA5555	5,5 mm	55 mm			

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Posterior Thoracolumbar Fixation System

IMPLANT TYPES



Catalogue No. Diameter Length

NMSPA7565	7,5 mm	65 mm
NMSPA7570	7,5 mm	70 mm
NMSPA7575	7,5 mm	75 mm
NMSPA7580	7,5 mm	80 mm
NMSPA7585	7,5 mm	85 mm
NMSPA7590	7,5 mm	90 mm
NMSPA7595	7,5 mm	95 mm
NMSPA75100	7,5 mm	100 mm
NMSPA8025	8,0 mm	25 mm
NMSPA8030	8,0 mm	30 mm
NMSPA8035	8,0 mm	35 mm
NMSPA8040	8,0 mm	40 mm
NMSPA8045	8,0 mm	45 mm
NMSPA8050	8,0 mm	50 mm
NMSPA8055	8,0 mm	55 mm
NMSPA8060	8,0 mm	60 mm
NMSPA8070	8,0 mm	70 mm
NMSPA8080	8,0 mm	80 mm
NMSPA8090	8,0 mm	90 mm
NMSPA80100	8,0 mm	100 mm

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Posterior Thoracolumbar Fixation System

IMPLANT TYPES



PLEXUS POLYAXIAL FENESTRATED SCREW



Catalogue No.	Diameter	Length	Catalogue No.	Diameter	Length
NMSPAH5530	5,5 mm	30 mm	NMSPAH7030	7,0 mm	30 mm
NMSPAH5535	5,5 mm	35 mm	NMSPAH7035	7,0 mm	35 mm
NMSPAH5540	5,5 mm	40 mm	NMSPAH7040	7,0 mm	40 mm
NMSPAH5545	5,5 mm	45 mm	NMSPAH7045	7,0 mm	45 mm
NMSPAH5550	5,5 mm	50 mm	NMSPAH7050	7,0 mm	50 mm
NMSPAH5555	5,5 mm	55 mm	NMSPAH7055	7,0 mm	55 mm
NMSPAH6030	6,0 mm	30 mm	NMSPAH7530	7,5 mm	30 mm
NMSPAH6035	6,0 mm	35 mm	NMSPAH7535	7,5 mm	35 mm
NMSPAH6040	6,0 mm	40 mm	NMSPAH7540	7,5 mm	40 mm
NMSPAH6045	6,0 mm	45 mm	NMSPAH7545	7,5 mm	45 mm
NMSPAH6050	6,0 mm	50 mm	NMSPAH7550	7,5 mm	50 mm
NMSPAH6055	6,0 mm	55 mm	NMSPAH7555	7,5 mm	55 mm
NMSPAH6530	6,5 mm	30 mm	NMSPAH8030	8,0 mm	30 mm
NMSPAH6535	6,5 mm	35 mm	NMSPAH8035	8,0 mm	35 mm
NMSPAH6540	6,5 mm	40 mm	NMSPAH8040	8,0 mm	40 mm
NMSPAH6545	6,5 mm	45 mm	NMSPAH8045	8,0 mm	45 mm
NMSPAH6550	6,5 mm	50 mm	NMSPAH8050	8,0 mm	50 mm
NMSPAH6555	6,5 mm	55 mm	NMSPAH8055	8,0 mm	55 mm

PLEXUS

Posterior Thoracolumbar Fixation System

IMPLANT TYPES

PLEXUS CANNULATED POLYAXIAL SCREW



Catalogue No.	Diameter	Length	Catalogue No.	Diameter	Length
NMCPS4530	4,5 mm	30 mm	NMCPS7030	7,0 mm	30 mm
NMCPS4535	4,5 mm	35 mm	NMCPS7035	7,0 mm	35 mm
NMCPS4540	4,5 mm	40 mm	NMCPS7040	7,0 mm	40 mm
NMCPS4545	4,5 mm	45 mm	NMCPS7045	7,0 mm	45 mm
NMCPS4550	4,5 mm	50 mm	NMCPS7050	7,0 mm	50 mm
NMCPS5530	5,5 mm	30 mm	NMCPS7055	7,0 mm	55 mm
NMCPS5535	5,5 mm	35 mm	NMCPS7530	7,5 mm	30 mm
NMCPS5540	5,5 mm	40 mm	NMCPS7535	7,5 mm	35 mm
NMCPS5545	5,5 mm	45 mm	NMCPS7540	7,5 mm	40 mm
NMCPS5550	5,5 mm	50 mm	NMCPS7545	7,5 mm	45 mm
NMCPS5555	5,5 mm	55 mm	NMCPS7550	7,5 mm	50 mm
NMCPS6030	6,0 mm	30 mm	NMCPS7555	7,5 mm	55 mm
NMCPS6035	6,0 mm	35 mm	NMCPS8035	8,0 mm	35 mm
NMCPS6040	6,0 mm	40 mm	NMCPS8040	8,0 mm	40mm
NMCPS6045	6,0 mm	45 mm	NMCPS8045	8,0 mm	45 mm
NMCPS6050	6,0 mm	50 mm	NMCPS8050	8,0 mm	50 mm
NMCPS6055	6,0 mm	55 mm	NMCPS8055	8,0 mm	55 mm
NMCPS6530	6,5 mm	30 mm			
NMCPS6535	6,5 mm	35 mm			
NMCPS6540	6,5 mm	40 mm			
NMCPS6545	6,5 mm	45 mm			
NMCPS6550	6,5 mm	50 mm			
NMCPS6555	6,5 mm	55 mm			

PLEXUS

Posterior Thoracolumbar Fixation System

IMPLANT TYPES

PLEXUS REDUCTION-POLYAXIAL SCREW



Catalogue No.	Diameter	Length	Catalogue No.	Diameter	Length
NMSPRS4525	4,5 mm	25 mm	NMSPRS6545	6,5 mm	45 mm
NMSPRS4530	4,5 mm	30 mm	NMSPRS6550	6,5 mm	50 mm
NMSPRS4535	4,5 mm	35 mm	NMSPRS6555	6,5 mm	55 mm
NMSPRS4540	4,5 mm	40 mm	NMSPRS6560	6,5 mm	60 mm
NMSPRS4545	4,5 mm	45 mm	NMSPRS7030	7,0 mm	30 mm
NMSPRS4550	4,5 mm	50 mm	NMSPRS7035	7,0 mm	35 mm
NMSPRS4555	4,5 mm	55 mm	NMSPRS7040	7,0 mm	40 mm
NMSPRS5030	5,0 mm	30 mm	NMSPRS7045	7,0 mm	45 mm
NMSPRS5035	5,0 mm	35 mm	NMSPRS7050	7,0 mm	50 mm
NMSPRS5040	5,0 mm	40 mm	NMSPRS7055	7,0 mm	55 mm
NMSPRS5045	5,0 mm	45 mm	NMSPRS7530	7,5 mm	30 mm
NMSPRS5050	5,0 mm	50 mm	NMSPRS7535	7,5 mm	35 mm
NMSPRS5055	5,0 mm	55 mm	NMSPRS7540	7,5 mm	40 mm
NMSPRS5520	5,5 mm	20 mm	NMSPRS7545	7,5 mm	45 mm
NMSPRS5525	5,5 mm	25 mm	NMSPRS7550	7,5 mm	50 mm
NMSPRS5530	5,5 mm	30 mm	NMSPRS7555	7,5 mm	55 mm
NMSPRS5535	5,5 mm	35 mm	NMSPRS7560	7,5 mm	60 mm
NMSPRS5540	5,5 mm	40 mm	NMSPRS7565	7,5 mm	65 mm
NMSPRS5545	5,5 mm	45 mm	NMSPRS7570	7,5 mm	70 mm
NMSPRS5550	5,5 mm	50 mm	NMSPRS7575	7,5 mm	75 mm
NMSPRS5555	5,5 mm	55 mm	NMSPRS7580	7,5 mm	80 mm
NMSPRS6030	6,0 mm	30 mm	NMSPRS7585	7,5 mm	85 mm
NMSPRS6035	6,0 mm	35 mm	NMSPRS7590	7,5 mm	90 mm
NMSPRS6040	6,0 mm	40 mm	NMSPRS7595	7,5 mm	95 mm
NMSPRS6045	6,0 mm	45 mm	NMSPRS75100	7,5 mm	100 mm
NMSPRS6050	6,0 mm	50 mm	NMSPRS8035	8,0 mm	35 mm
NMSPRS6055	6,0 mm	55 mm	NMSPRS8040	8,0 mm	40 mm
NMSPRS6530	6,5 mm	30 mm	NMSPRS8045	8,0 mm	45 mm
NMSPRS6535	6,5 mm	35 mm	NMSPRS8050	8,0 mm	50 mm
NMSPRS6540	6,5 mm	40 mm	NMSPRS8055	8,0 mm	55 mm

PLEXUS

Posterior Thoracolumbar Fixation System

IMPLANT TYPES

PLEXUS REDUCTION-POLYAXIAL SCREW



Catalogue No.	Diameter	Length
NMSPRS8060	8,0 mm	60 mm
NMSPRS8065	8,0 mm	65 mm
NMSPRS8070	8,0 mm	70 mm
NMSPRS8075	8,0 mm	75 mm
NMSPRS8080	8,0 mm	80 mm
NMSPRS8085	8,0 mm	85 mm
NMSPRS8090	8,0 mm	90 mm
NMSPRS8095	8,0 mm	95 mm
NMSPRS80100	8,0 mm	100 mm

PLEXUS

Posterior Thoracolumbar Fixation System

IMPLANT TYPES

PLEXUS ROD



Catalogue No.	Diameter	Length	Catalogue No.	Diameter	Length
NMSR1604	6,0 mm	40 mm	NMSR1631	6,0 mm	310 mm
NMSR1605	6,0 mm	50 mm	NMSR1632	6,0 mm	320 mm
NMSR1606	6,0 mm	60 mm	NMSR1640	6,0 mm	400 mm
NMSR1607	6,0 mm	70 mm	NMSR1648	6,0 mm	480 mm
NMSR1608	6,0 mm	80 mm	NMSR1650	6,0 mm	500 mm
NMSR1609	6,0 mm	90 mm	NMSR1660	6,0 mm	600 mm
NMSR1610	6,0 mm	100 mm	NMSR15504	5,5 mm	40 mm
NMSR1611	6,0 mm	110 mm	NMSR15505	5,5 mm	50 mm
NMSR1612	6,0 mm	120 mm	NMSR15506	5,5 mm	60 mm
NMSR1613	6,0 mm	130 mm	NMSR15507	5,5 mm	70 mm
NMSR1614	6,0 mm	140 mm	NMSR15508	5,5 mm	80 mm
NMSR1615	6,0 mm	150 mm	NMSR15509	5,5 mm	90 mm
NMSR1616	6,0 mm	160 mm	NMSR15510	5,5 mm	100 mm
NMSR1617	6,0 mm	170 mm	NMSR15511	5,5 mm	110 mm
NMSR1618	6,0 mm	180 mm	NMSR15512	5,5 mm	120 mm
NMSR1619	6,0 mm	190 mm	NMSR15513	5,5 mm	130 mm
NMSR1620	6,0 mm	200 mm	NMSR15514	5,5 mm	140 mm
NMSR1621	6,0 mm	210 mm	NMSR15540	5,5 mm	400 mm
NMSR1622	6,0 mm	220 mm	NMSR15550	5,5 mm	500 mm
NMSR1623	6,0 mm	230 mm	NMSR15560	5,5 mm	600 mm
NMSR1624	6,0 mm	240 mm			
NMSR1625	6,0 mm	250 mm			
NMSR1626	6,0 mm	260 mm			
NMSR1627	6,0 mm	270 mm			
NMSR1628	6,0 mm	280 mm			
NMSR1629	6,0 mm	290 mm			
NMSR1630	6,0 mm	300 mm			

PLEXUS

Posterior Thoracolumbar Fixation System

IMPLANT TYPES

PLEXUS DYNAMIC ROD



Catalogue No.	Diameter	Length
NMDNR6050	6,0 mm	50 mm
NMDNR6060	6,0 mm	60 mm
NMDNR6070	6,0 mm	70 mm
NMDNR6080	6,0 mm	80 mm
NMDNR6090	6,0 mm	90 mm
NMDNR6010	6,0 mm	100 mm
NMDNR60200	6,0 mm	200 mm
NMDNR60300	6,0 mm	300 mm

PLEXUS SACRAL SCREW



Catalogue No.	Diameter	Length
NMSSS6035	6,0 mm	35 mm
NMSSS6040	6,0 mm	40 mm
NMSSS6045	6,0 mm	45 mm
NMSSS6050	6,0 mm	50 mm
NMSSS6055	6,0 mm	55 mm
NMSSS7040	7,0 mm	40 mm
NMSSS7045	7,0 mm	45 mm
NMSSS7050	7,0 mm	50 mm
NMSSS7055	7,0 mm	55 mm

PLEXUS LAMINAR ANGLED 20° LEFT & RIGHT HOOK



Catalogue No.	Diameter	Length
NMPLHLA709	7 mm	9 mm
NMPLHLA711	7 mm	11 mm
NMPLHRA709	7 mm	9 mm
NMPLHRA711	7 mm	11 mm

PLEXUS

Posterior Thoracolumbar Fixation System

IMPLANT TYPES

PLEXUS LAMINAR HOOK



Catalogue No.	Diameter	Length
NMSSS6035	6,0 mm	35 mm
NMSSS6040	6,0 mm	40 mm
NMSSS6045	6,0 mm	45 mm
NMSSS6050	6,0 mm	50 mm
NMSSS6055	6,0 mm	55 mm
NMSSS7040	7,0 mm	40 mm
NMSSS7045	7,0 mm	45 mm
NMSSS7050	7,0 mm	50 mm
NMSSS7055	7,0 mm	55 mm

PLEXUS LAMINAR FLEXIBLE HOOK

Catalogue No.	Diameter	Length
NMLHF0505	5 mm	5 mm
NMLHF0507	5 mm	7 mm

PLEXUS PEDICULAR HOOK



Catalogue No.	Diameter	Length
NMPPH0505	5 mm	5 mm
NMPPH0507	5 mm	7 mm
NMPPH0805	8 mm	5 mm
NMPPH0807	8 mm	7 mm
NMPPH0809	8 mm	9 mm

PLEXUS PEDICLE FLEXIBLE HOOK

Catalogue No.	Diameter	Length
NMLHF0505	5 mm	5 mm
NMLHF0507	5 mm	7 mm

PLEXUS TRANSVERSE LINK HOOK

Catalogue No.

NMSTLH



PLEXUS SACRAL CONNECTOR

Catalogue No.

NMSSC15
NMSSC20

Length

15 mm
20 mm

PLEXUS

Posterior Thoracolumbar Fixation System

IMPLANT TYPES

PLEXUS LATERAL-EXTENSION CONNECTOR

Catalogue No.

NMSLCNT15
NMSLCNT20
NMSLCNT25
NMSLCNT30
NMSLCNT40

Length

15 mm
20 mm
25 mm
30 mm
40 mm



PLEXUS TRANSVERSE LINK

Catalogue No.

NMSTL140
NMSTL150
NMSTL160
NMSTL170
NMSTL180

Length

40 mm
50 mm
60 mm
70 mm
80 mm



PLEXUS TRANSVERSE LINK MULTIAXIAL

Catalogue No.

NMSATL2040
NMSATL4060
NMSATL6080
NMSATL80100

Length

20-40 mm
40-60 mm
60-80 mm
80-100 mm



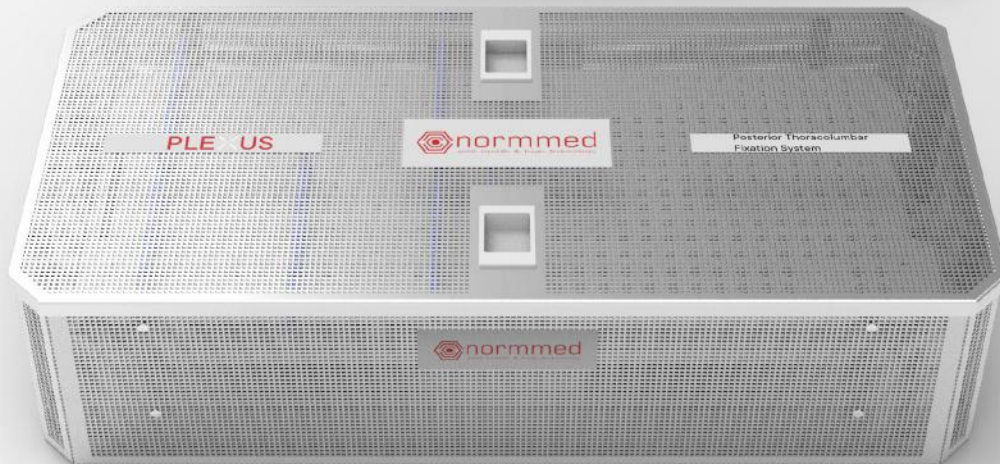
PLEXUS

Posterior Thoracolumbar
Fixation System

INSTRUMENT CONTAINER

First Container

Include the first and third trays.



Second Container

Include the second tray.

PLEXUS

Posterior Thoracolumbar
Fixation System

INSTRUMENT CONTAINER



This container is made of wiremesh stainless steel. It has a high stability, low weight and good sterilization feature.



Tray 1



Tray 3



First Container

Include the first and third trays.

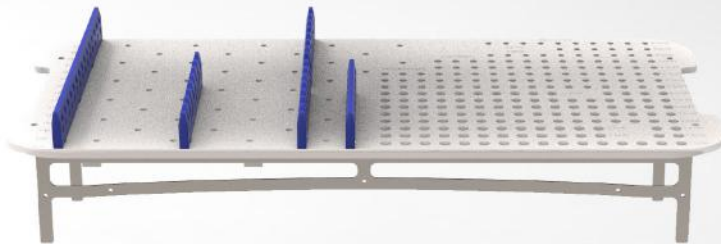
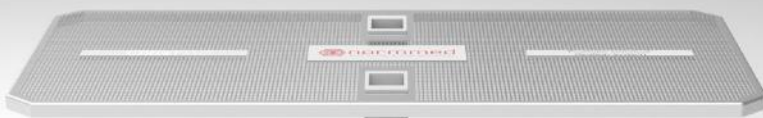
PLEXUS

Posterior Thoracolumbar Fixation System

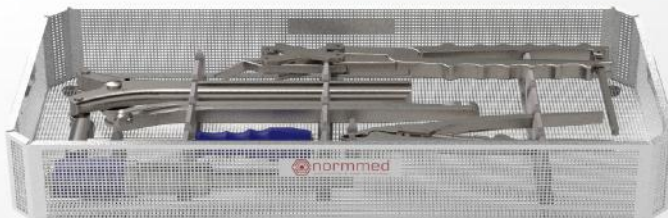
INSTRUMENT CONTAINER



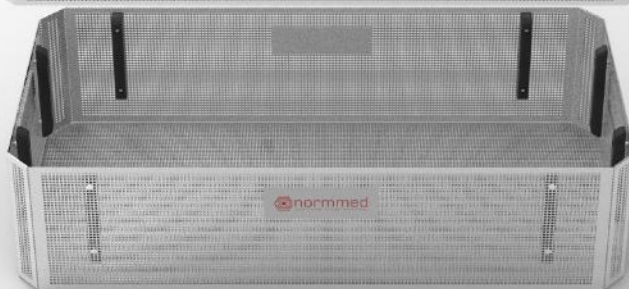
This container is made of wiremesh stainless steel. It has a high stability, low weight and good sterilization feature.



Rod And Screw
Tray



Tray 2



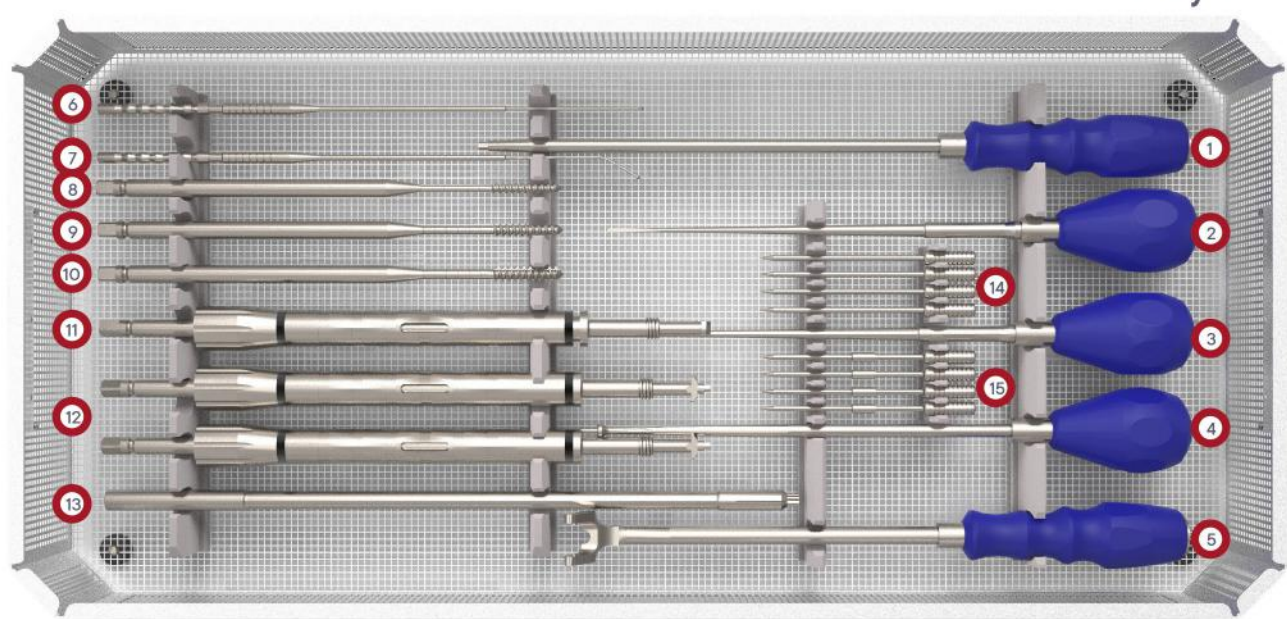
Second Container
Include the second tray.

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Posterior Thoracolumbar
Fixation System

INSTRUMENT TYPES

Tray 1



Set No.	Catalogue No.	Description	Piece
01	PS018	Final Screw Driver	1
02	PS021	Straight Pedicle Probe	1
03	PS022	Curved Pedicle Probe	1

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Posterior Thoracolumbar Fixation System

INSTRUMENT TYPES

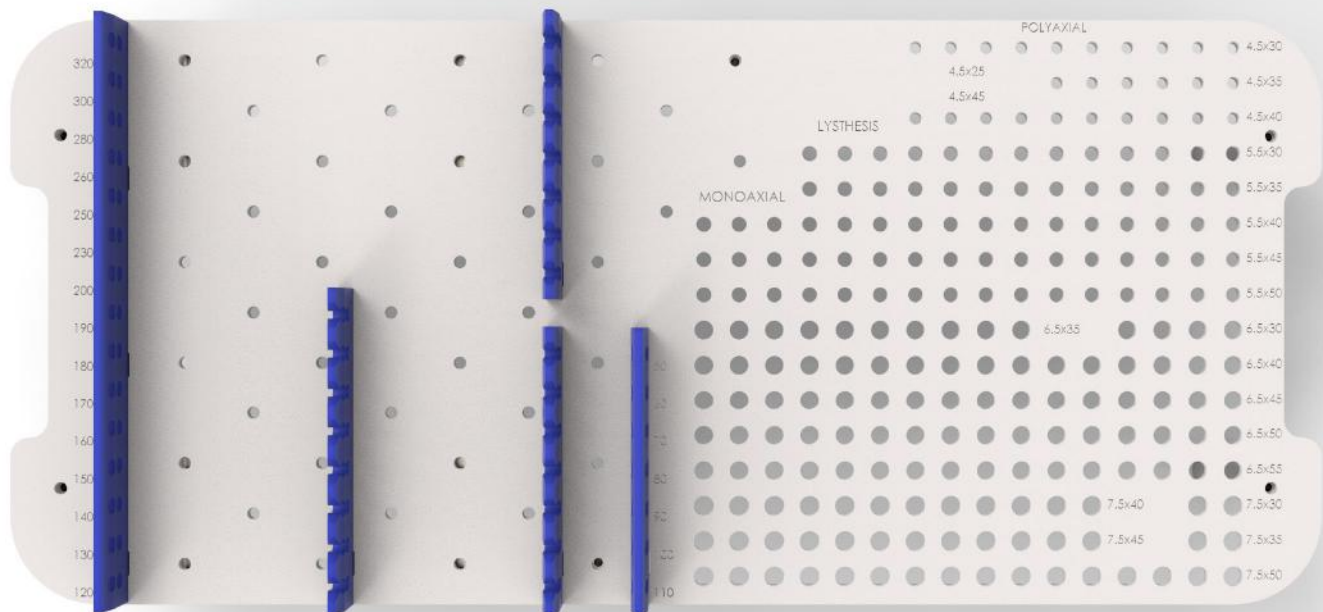
	Set No.	Catalogue No.	Description	Piece
	04	PS020	Awl	1
	05	PS014	Rocker	1
	06	PS023	Straight Feeler Probe	1
	07	PS024	Curved Feeler Probe	1
	08	PS030	Tap 4.5mm	1
	09	PS031	Tap 5.5mm	1
	10	PS032	Tap 6.5mm	1
	11	PS028	Monoaxial Screw Driver	1
	12	PS027	Polyaxial Screw Driver	2
	13	PS026	Set Screw Holder	1
	14	PS034	Pedicule Marker	4
	15	PS033	Pedicule Marker With Stopper	4

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Posterior Thoracolumbar
Fixation System

INSTRUMENT TYPES

Tray 2



Catalogue No.

PPSU 525X233X45

Description

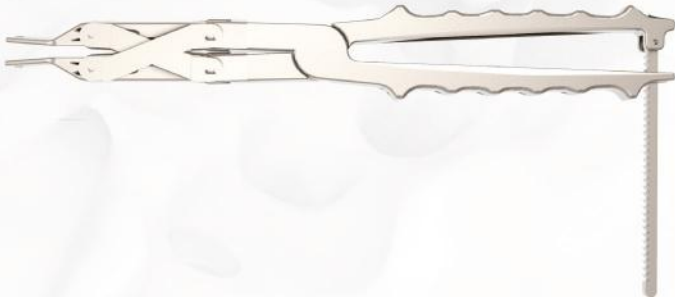
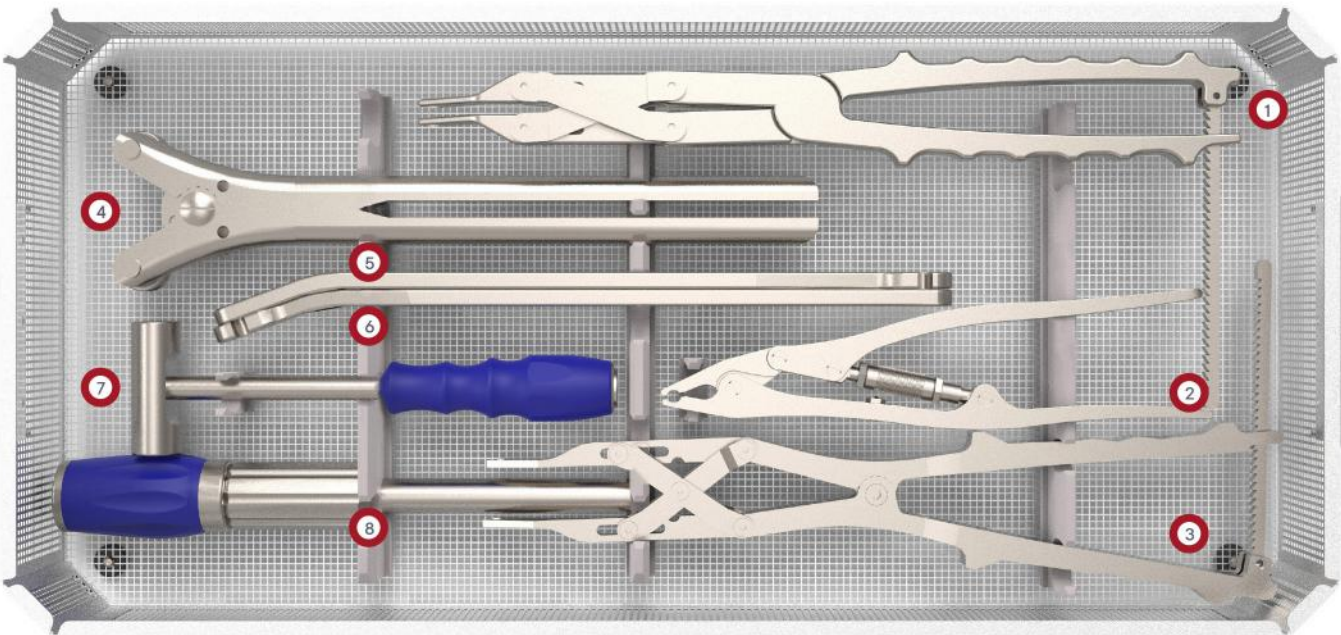
Rod And Screw Tray

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Posterior Thoracolumbar
Fixation System

INSTRUMENT TYPES

Tray 2



Set No.	Catalogue No.	Description	Piece
01	PS002	Compressor	1

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Posterior Thoracolumbar Fixation System

INSTRUMENT TYPES

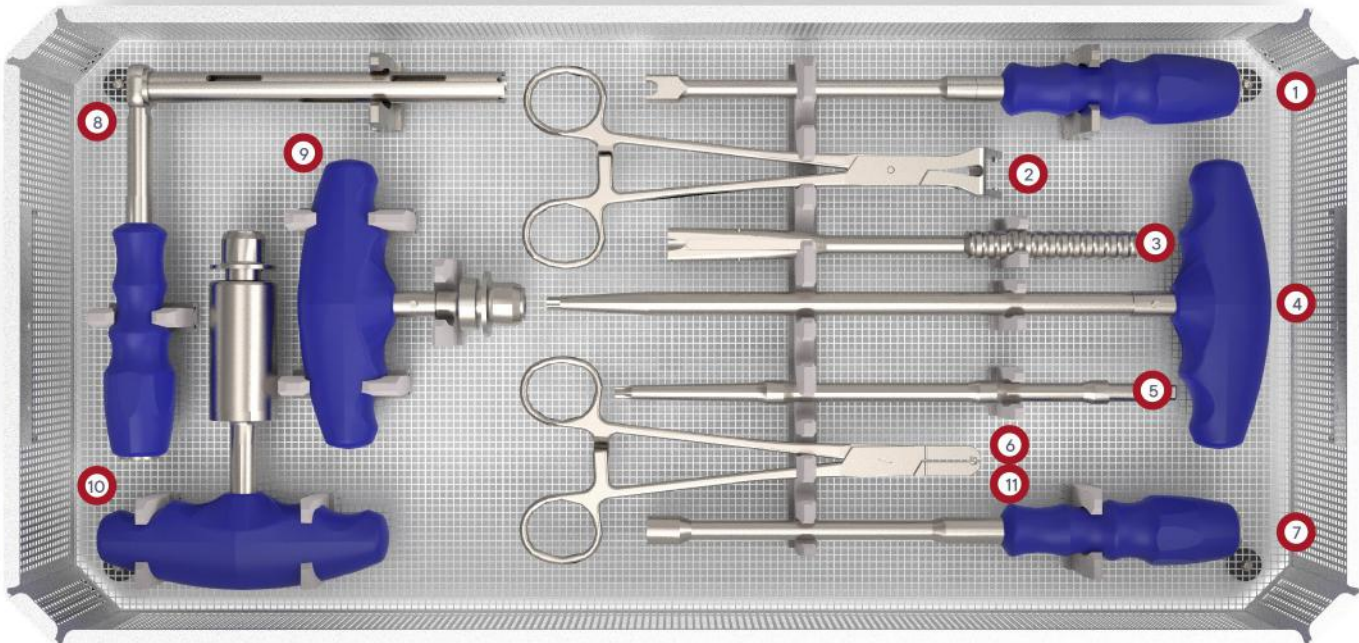
	Set No.	Catalogue No.	Description	Piece
	02	PS004	Rod Gripper	1
	03	PS001	Distractor	1
	04	PS007	Rod Bender	1
	05	PS005	In-Situ Rod Bender Right	1
	06	PS006	In-Situ Rod Bender Left	1
	07	PS008	Hammer	1
	08	PS010	Persuader	1

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Posterior Thoracolumbar
Fixation System

INSTRUMENT TYPES

Tray 3



Set No.	Catalogue No.	Description	Piece
01	PS019	Rod Pusher	1
02	PS011	Forceps Rocker	1
03	PS017	Lythesis Screw Head Cutter	1

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Posterior Thoracolumbar Fixation System

INSTRUMENT TYPES

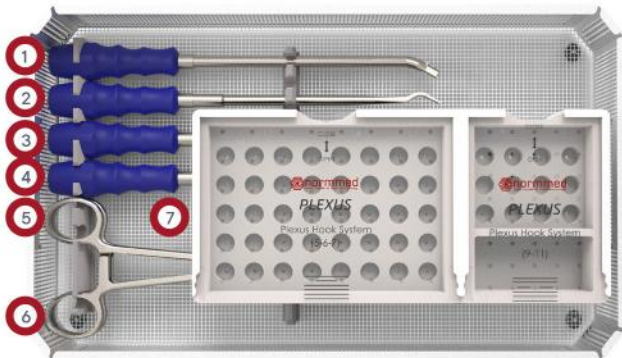
	Set No.	Catalogue No.	Description	Piece
	04	PS016	Set Screw Driver	1
	05	PS015	Set Screw Driver For 10 Nm Torque	1
	06	PS012	Forceps Rod Holder	1
	11	PS013	Forceps Transvers Link Holder	1
	07	PS025	Multiaxial Transvers Link Fixer	1
	08	PS008	Anti Torque	1
	09	PS010	T-Handle	1
	10	PS009	10 Nm Torque Limiting Handle	1

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Posterior Thoracolumbar Fixation System

INSTRUMENT TYPES

Optional: Hook Container



Set No.	Catalogue No.	Description	Piece
01	PHS004	Hook Impactor	1
02	PHS001	Pedicle Preparer	1
03	PHS002	Laminar Preparer	1
04	PHS003	Small Preparer	1
05	PHS008	Hook Holder Forceps Angular	1
06	PHS005	Hook Holder Forceps	1
07	PHS006	Hook PPSU	1

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Posterior Thoracolumbar
Fixation System

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