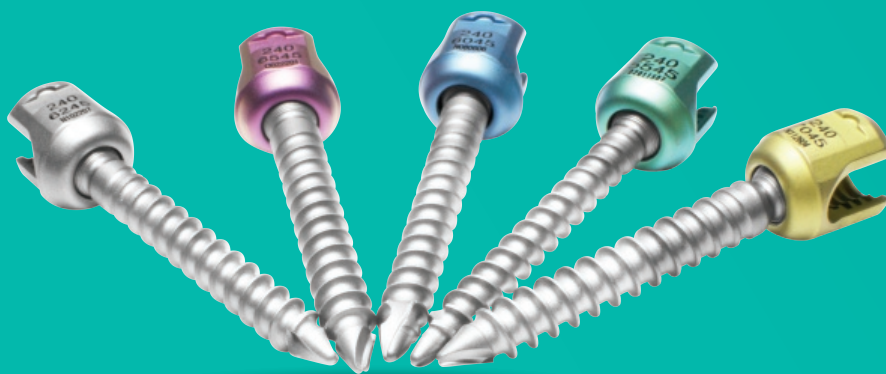


Lumbar Trans-Pedicle Screw Fixation System



Poly-axial

Top loading, easier for rod insertion.

Full Size Range

0.5 mm increment for diameter of the screw
with extra choice of 6.25

Reduction Ready

Double cup size or reduction tools
with side carving screw cups.

Lumbar Trans-Pedicle Screw Fixation System

Device Description

The ReBorn Essence Posterior Trans-Pedicle Screw Fixation System is designed for the treatments in spinal diseases. This system is designed to stabilize and promote fusion of the thoracolumbar. Please refer to the use of indication stated in the manual of the ReBorn Essence Posterior Trans-Pedicle Screw Fixation System. The ReBorn Essence Posterior Trans-Pedicle Screw Fixation System is not intended to be used with other systems of posterior trans-pedicle screw fixation system.

Indication

The ReBorn Essence Posterior Trans-Pedicle Screw Fixation System is intended to treat thoracolumbar spine instability including trauma, stenosis, dislocation, deformities, and other diseases requiring posterior stabilization. Tumor and infection can be treated with cross-level implantation. The combination of anterior fusion stabilization is recommended.

Contraindication

In the condition which is absence or compromise of significantly stabilizing elements. Patients with severe osteoporosis, infection, metal allergy, severe metabolic bone disease, or any entity or condition that totally precludes the possibility of fusion.

In addition, some of the lifestyles of the patients will be affecting the stress on the implants and causing the failure of the implantation, such as their occupation, overweight, mental illness, alcoholism, or drug abuse.

Introduction

The ReBorn Essence Trans-Pedicle Screw Fixation System consists of poly-axial screws, smooth rods, and locking nuts. Titanium compound is known for the best CT and MRI compatibility. The sizes are color-coated for reducing the chance of mistaking the sizes. With the requirement of the situation, a rotation handle can be used to rotate the rod for spinal correction.



Design Rationale

The ReBorn Essence Trans-Pedicle Screw Fixation System is designed with 30 degrees of angulation. This eases out the implantation of the rods in the short segment. When encountered with the sagittal balance correction like scoliosis, hyperkyphosis, and hyperlordosis, a rod rotating tools are available for angulation correction.

With this system, it also includes the side to side rod connector, head to head rod connector, side bar connector and extension rod connector. The complete set of the systems ensures users with better, more secure, and safer implantation in spine surgery.

Unique Tools

Specialized reduction tools are designed for the extreme reduction for poly-axial screws.

Conclusion

ReBorn Essence Trans-Pedicle Screw Fixation System is the easiest and most complete set of the trans-pedicle screw fixation system.

With a variety of component and various combinations, the surgery becomes simple, secure, and sagacious.



ReBorn Essence Lumbar Fixation System

Pedicle Screw



REF	Dia. (mm)	Length (mm)
660-5035	5	35
660-5040	5	40
660-5045	5	45
660-5050	5	50
660-5530	5.5	30
660-5535	5.5	35
660-5540	5.5	40
660-5545	5.5	45
660-5550	5.5	50
660-6030	6	30
660-6035	6	35
660-6040	6	40
660-6045	6	45
660-6050	6	50
660-6240	6.25	40
660-6245	6.25	45
660-6250	6.25	50
660-6530	6.5	30
660-6535	6.5	35
660-6540	6.5	40
660-6545	6.5	45
660-6550	6.5	50
660-6555	6.5	55
660-6560	6.5	60
660-7030	7	30
660-7035	7	35
660-7040	7	40
660-7045	7	45
660-7050	7	50

Poly Axial Screw



REF	Dia. (mm)	Length (mm)
240-4530	4.5	30
240-4535	4.5	35
240-4540	4.5	40
240-4545	4.5	45
240-4550	4.5	50
240-5030	5	30
240-5035	5	35
240-5040	5	40
240-5045	5	45
240-5050	5	50
240-5530	5.5	30
240-5535	5.5	35
240-5540	5.5	40
240-5545	5.5	45
240-5550	5.5	50
240-6030	6	30
240-6035	6	35
240-6040	6	40
240-6045	6	45
240-6050	6	50
240-6240	6.25	40
240-6245	6.25	45
240-6250	6.25	50
240-6530	6.5	30
240-6535	6.5	35
240-6540	6.5	40
240-6545	6.5	45
240-6550	6.5	50
240-6555	6.5	55
240-6560	6.5	60
240-7030	7	30
240-7035	7	35
240-7040	7	40
240-7045	7	45
240-7050	7	50
240-7055	7	55
240-7060	7	60
240-7530	7.5	30
240-7535	7.5	35
240-7540	7.5	40
240-7545	7.5	45
240-7550	7.5	50
240-7555	7.5	55
240-7560	7.5	60

Cannulated Poly Axial Screw



REF	Dia. (mm)	Length (mm)
280-5535	5.5	35
280-5540	5.5	40
280-5545	5.5	45
280-5550	5.5	50
280-6030	6	30
280-6035	6	35
280-6040	6	40
280-6045	6	45
280-6050	6	50
280-6240	6.25	40
280-6245	6.25	45
280-6250	6.25	50
280-6530	6.5	30
280-6535	6.5	35
280-6540	6.5	40
280-6545	6.5	45
280-6550	6.5	50
280-6555	6.5	55
280-6560	6.5	60
280-7030	7	30
280-7035	7	35
280-7040	7	40
280-7045	7	45
280-7050	7	50
280-7055	7	55
280-7060	7	60
280-7530	7.5	30
280-7535	7.5	35
280-7540	7.5	40
280-7545	7.5	45
280-7550	7.5	50
280-7555	7.5	55
280-7560	7.5	60

REF	Dia. (mm)	Length (mm)
281-5535	5.5	35
281-5540	5.5	40
281-5545	5.5	45
281-5550	5.5	50
281-6030	6	30
281-6035	6	35
281-6040	6	40
281-6045	6	45
281-6050	6	50
281-6240	6.25	40
281-6245	6.25	45
281-6250	6.25	50
281-6530	6.5	30
281-6535	6.5	35
281-6540	6.5	40
281-6545	6.5	45
281-6550	6.5	50
281-6555	6.5	55
281-6560	6.5	60
281-7030	7	30
281-7035	7	35
281-7040	7	40
281-7045	7	45
281-7050	7	50
281-7055	7	55
281-7060	7	60
281-7530	7.5	30
281-7535	7.5	35
281-7540	7.5	40
281-7545	7.5	45
281-7550	7.5	50
281-7555	7.5	55
281-7560	7.5	60

Pedicle Long Screw



REF	Dia. (mm)	Length (mm)
661-4530	4.5	30
661-4535	4.5	35
661-4540	4.5	40
661-4545	4.5	45
661-4550	4.5	50
661-5030	5	30
661-5035	5	35
661-5040	5	40
661-5045	5	45
661-5050	5	50
661-5530	5.5	30
661-5535	5.5	35
661-5540	5.5	40
661-5545	5.5	45
661-5550	5.5	50
661-6030	6	30
661-6035	6	35
661-6040	6	40
661-6045	6	45
661-6050	6	50
661-6240	6.25	40
661-6245	6.25	45
661-6250	6.25	50
661-6530	6.5	30
661-6535	6.5	35
661-6540	6.5	40
661-6545	6.5	45
661-6550	6.5	50
661-6555	6.5	55
661-6560	6.5	60
661-7030	7	30
661-7035	7	35
661-7040	7	40
661-7045	7	45
661-7050	7	50
661-7055	7	55
661-7060	7	60
661-7530	7.5	30

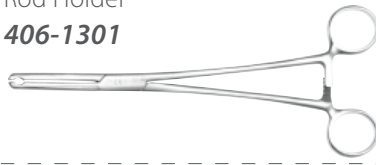
REF	Dia. (mm)	Length (mm)
661-7535	7.5	35
661-7540	7.5	40
661-7545	7.5	45
661-7550	7.5	50
661-7555	7.5	55
661-7560	7.5	60
662-5535	5.5	35
662-5540	5.5	40
662-5545	5.5	45
662-5550	5.5	50
662-6030	6	30
662-6035	6	35
662-6040	6	40
662-6045	6	45
662-6050	6	50
662-6240	6.25	40
662-6245	6.25	45
662-6250	6.25	50
662-6530	6.5	30
662-6535	6.5	35
662-6540	6.5	40
662-6545	6.5	45
662-6550	6.5	50
662-6555	6.5	55
662-6560	6.5	60
662-7030	7	30
662-7035	7	35
662-7040	7	40
662-7045	7	45
662-7050	7	50
662-7055	7	55
662-7060	7	60
662-7530	7.5	30
662-7535	7.5	35
662-7540	7.5	40
662-7545	7.5	45
662-7550	7.5	50

Tools

Sacrum Awl
180-0707



Rod Holder
406-1301



3mm Hex Screw Driver
406-0830



Awl
406-0201



Rod Bender
406-1201



Poly Axial Screw Adjustable Driver
409-0813



Probe
406-0301



Rod Pusher
406-2601



5mm Hex Screw Driver
409-0829



Probe
406-0302



Rod Pusher
406-2602



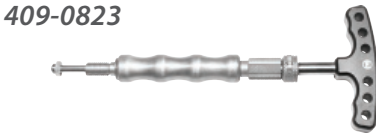
8mm Hex Socket Screw Driver
406-0808



5mm / 6mm Tap
406-0505 / 406-0506



Mono Axial Screw Driver
409-0823



5mm Rotator Bar
406-3005



Cannulated 4.5mm / 5.5mm Tap
405-0545 / 405-0555



Poly Axial Screw Driver
409-0824



Anti-Rotator Pliers
409-3002



Sensor / Sensor (Curved)
406-0401 / 406-0402



Cannulated Poly Axial Screw Driver
409-0832



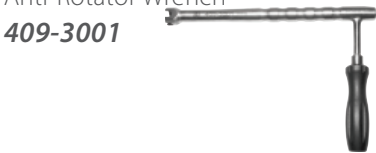
5mm Socket Wrench
406-2905



Guide Pin
406-3104 / 406-3114



Anti-Rotator Wrench
409-3001



Compression Device
409-0901



T-Handle
406-0101



Anti-Rotator Wrench
409-3003



Distraction Device
409-1601





Transverse Link

REF	Dia. (mm)	Length (mm)
620-5501	5.5	20
620-5502	5.5	40
620-5503	5.5	60



Transverse Link

REF	Dia. (mm)	Length (mm)
610-2602	5.5	70



Side Rod

REF	Dia. (mm)	Length (mm)
320-0520	5.5	20
320-0525	5.5	25
320-0530	5.5	30
320-0535	5.5	35



Smooth Rod

REF	Dia. (mm)	Length (mm)
320-5504	5.5	40
320-5505	5.5	50
320-5506	5.5	60
320-5507	5.5	70
320-5508	5.5	80
320-5509	5.5	90
320-5510	5.5	100
320-5511	5.5	110
320-5513	5.5	130
320-5515	5.5	150
320-5517	5.5	170
320-5520	5.5	200
320-5522	5.5	225
320-5525	5.5	250
320-5527	5.5	275
320-5530	5.5	300
320-5535	5.5	350
320-5540	5.5	400
320-5545	5.5	450
320-5548	5.5	480



Connection Rod

REF	Dia. (mm)	Length (mm)
350-5150	5.5	150



Spinal Hook

REF	Dia. (mm)	Length (mm)
560-2004	5.5	4.6
560-2006	5.5	6.6
560-2009	5.5	8.6
560-2012	5.5	11.3
560-2015	5.5	15.2
560-1109	9.5	7.4
560-1212	9.5	8.6



Lamina Hook

REF	Dia. (mm)	Length (mm)
560-3004	5.5	4.6
560-3006	5.5	6.6
560-3009	5.5	8.6
560-3012	5.5	11.3
560-3015	5.5	15.2

Tools

Hook Driver
197-0604



Laminar Hook Starter
197-0702



Pedicle Hook Starter
197-0703

