



THORACOLUMBAR FIXATION



FIREBIRD[™]
DEFORMITY CORRECTION SYSTEM



Spinal Implants | Biologics | Spine Fusion Stimulation | MIS | Bracing

1.888.298.5700
www.orthofix.com

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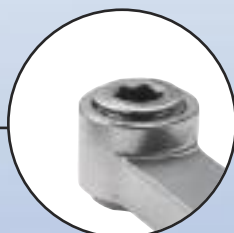


**SOME IMPLANT SYSTEMS DICTATE YOUR SURGICAL APPROACH.
FIREBIRD™ ADAPTS TO IT.**

As an extension to the already versatile Firebird Spinal Fixation platform, the Deformity Correction System offers even greater options for patients with spinal deformity. When surgically treating a variety of thoracolumbar and sacral pathologies, the Firebird Deformity Correction System offers additional implant and instrument options needed to perform complex spine procedures.

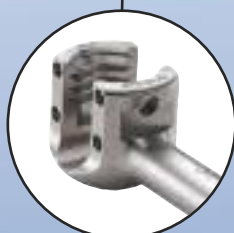
Offset Options

To be used based on surgeon preference



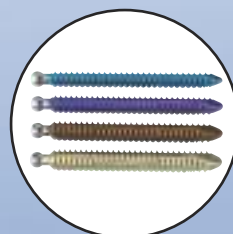
Closed Heads

Add strength at the end of long constructs



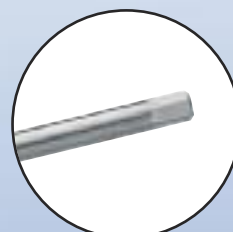
Larger Diameter Bone Screws (7.5mm to 11.5mm)

Ideal for improved iliac fixation



CoCr Rods

100% increased stiffness and 25% increased strength vs. titanium rods



Reduction Heads

Allow for rod reduction without the use of a dedicated reduction instrument



Mono-Axial Screws

Can be used in direct vertebral rotations



Hook Options

A wide variety to match anatomical variations



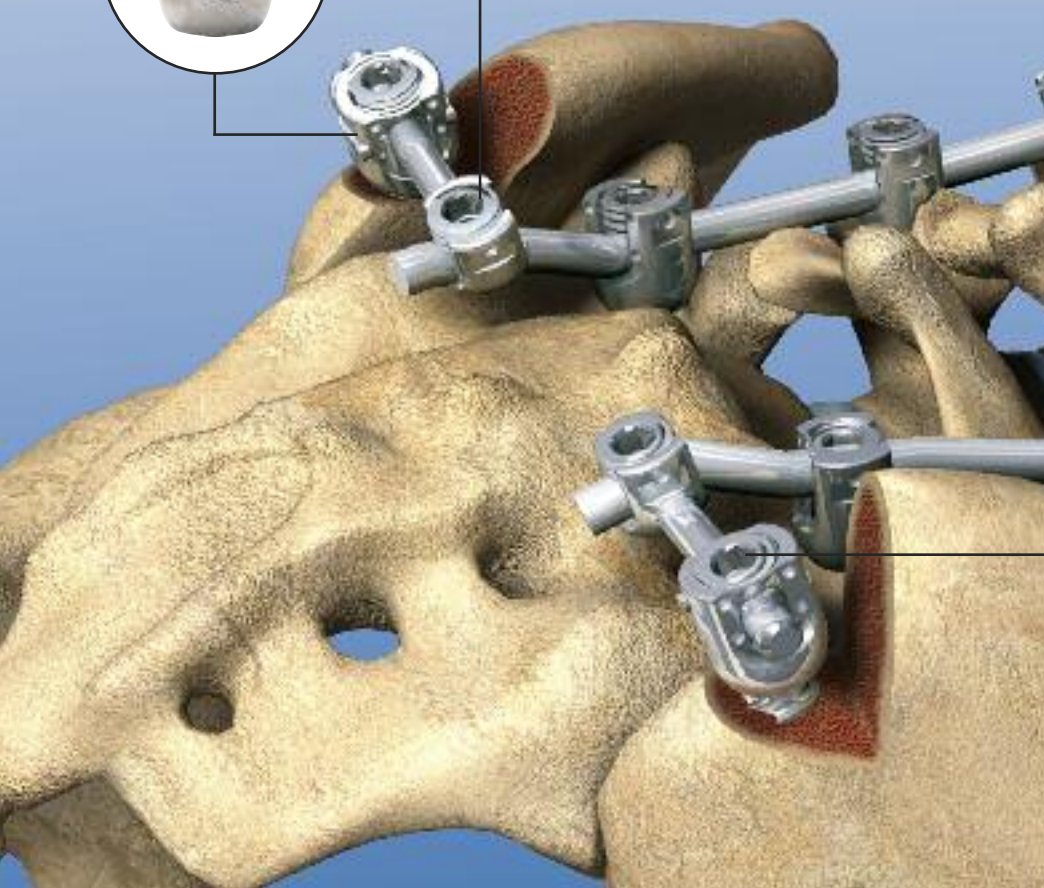
Uniplanar Screws

Provides for easier rod placement and more effective vertebral rotation



Multi-Axial Screw Heads

50° cone of angulation allows for easier rod placement



SYSTEM FEATURES

ILIAC FIXATION SET

- Modular Bone Screw capability gives greater options and increases in-situ visibility
- Larger Bone Screws available in 9.5mm, 10.5mm and an optional 11.5mm diameter. Up to 110mm lengths
- Multiple iliac connection options



Mono-Axial Offset



Low Profile Offset Head

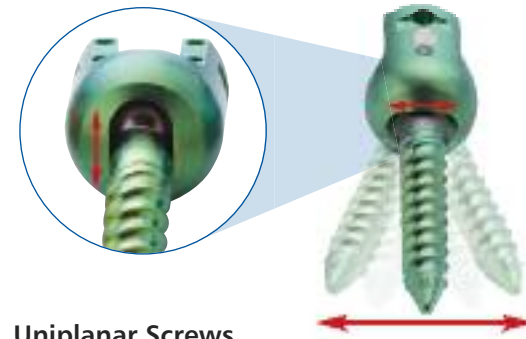


Iliac Bone Screws

THORACIC FIXATION SET

Uniplanar Screws

- 50° of angulation in Cephalad/Caudal plane only
- Work in conjunction with DVR instrument for rotation procedures
- Facilitate rod placement in kyphotic deformities
- 4.0mm, 4.5mm, 5.5mm and 6.5mm diameters



Uniplanar Screws

HOOK FIXATION SET



Angled Hooks
left and right



Laminar Hooks
narrow and wide



Offset Hooks
left and right

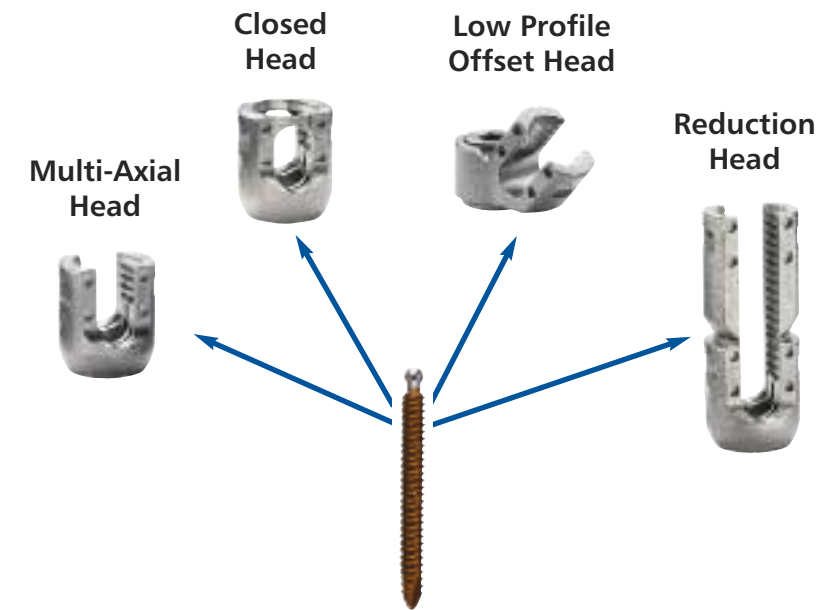


Thoracic Hooks
narrow and wide



Pedicule Hooks

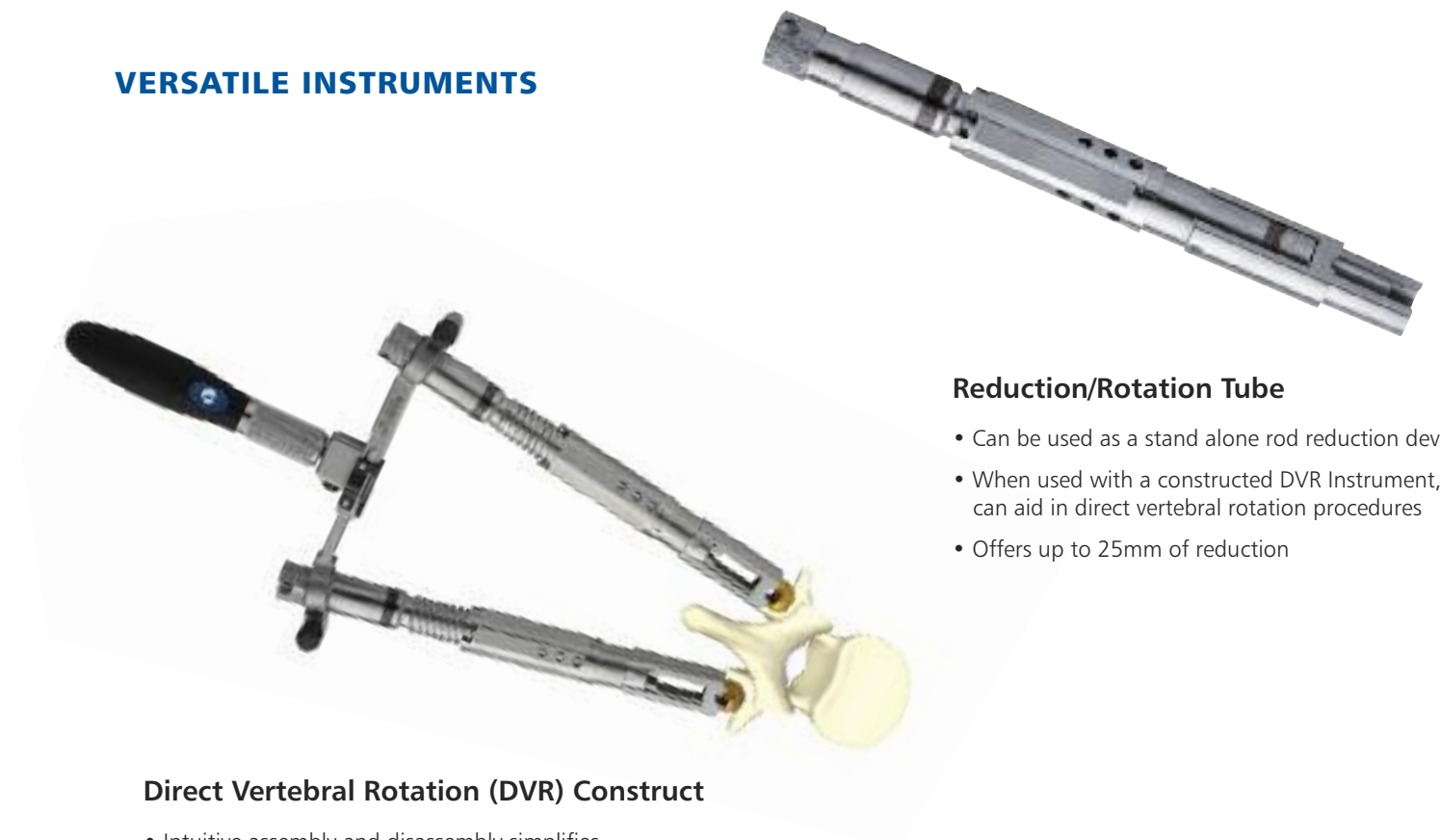
VERSATILE IMPLANTS - THE POWER OF MODULARITY



Modular Bone Screws

Increase intraoperative visualization and adapt to a variety of surgical requirements

VERSATILE INSTRUMENTS



Reduction/Rotation Tube

- Can be used as a stand alone rod reduction device
- When used with a constructed DVR Instrument, can aid in direct vertebral rotation procedures
- Offers up to 25mm of reduction

Direct Vertebral Rotation (DVR) Construct

- Intuitive assembly and disassembly simplifies vertebral rotation procedures

ILIAC FIXATION 51-9060

Implants					
Part #	Description	Qty Set	Part #	Description	Qty Set
44-2001	Set Screw		51-6320	Mono-Axial Lateral Offset, 20mm	
44-2101	Body, Top Loading		51-6325	Mono-Axial Lateral Offset, 25mm	
44-2102	Body, Closed		51-6330	Mono-Axial Lateral Offset, 30mm	
44-5760	7.5mm x 60mm Bone Screw, Self Tapping		51-6335	Mono-Axial Lateral Offset, 35mm	
44-5770	7.5mm x 70mm Bone Screw, Self Tapping		51-6380	Mono-Axial Lateral Offset, 80mm	
44-5780	7.5mm x 80mm Bone Screw, Self Tapping		51-6408	Low Profile Offset, 8mm	
44-5790	7.5mm x 90mm Bone Screw, Self Tapping		51-6411	Low Profile Offset, 11mm	
44-5710	7.5mm x 100mm Bone Screw, Self Tapping		51-6414	Low Profile Offset, 14mm	
44-5860	8.5mm x 60mm Bone Screw, Self Tapping		51-6417	Low Profile Offset, 17mm	
44-5870	8.5mm x 70mm Bone Screw, Self Tapping		51-6420	Low Profile Offset, 20mm	
44-5880	8.5mm x 80mm Bone Screw, Self Tapping		51-6423	Low Profile Offset, 23mm	
44-5890	8.5mm x 90mm Bone Screw, Self Tapping		51-6426	Low Profile Offset, 26mm	
44-5810	8.5mm x 100mm Bone Screw, Self Tapping		51-6429	Low Profile Offset, 29mm	
44-5960	9.5mm x 60mm Bone Screw, Self Tapping		51-6432	Low Profile Offset, 32mm	
44-5970	9.5mm x 70mm Bone Screw, Self Tapping		51-6435	Low Profile Offset, 35mm	
44-5980	9.5mm x 80mm Bone Screw, Self Tapping		52-2450	450mm Rod, Ti	
44-5990	9.5mm x 90mm Bone Screw, Self Tapping		51-2450	450mm Rod, CoCr	
44-5910	9.5mm x 100mm Bone Screw, Self Tapping				
44-5060	10.5mm x 60mm Bone Screw, Self Tapping				
44-5070	10.5mm x 70mm Bone Screw, Self Tapping				
44-5080	10.5mm x 80mm Bone Screw, Self Tapping				
44-5090	10.5mm x 90mm Bone Screw, Self Tapping				
44-5010	10.5mm x 100mm Bone Screw, Self Tapping				
51-6315	Mono-Axial Lateral Offset, 15mm				

* Optional 11.5mm Screws available on request

Instruments

Part #	Description	Qty Set	Part #	Description	Qty Set
51-1029	9.5mm Bone Tap, Modular	1	52-1011	Ratcheting Handle, T-Handle	1
51-1020	10.5mm Bone Tap, Modular	1	52-1013	Ratcheting Handle, Straight, Small	1
51-1077	Flat Rod Bender	2	51-0060	Iliac Fixation Sterilization Case	1
51-1302	Iliac Bone Probe	1	59-1041	In-Situ Rod Cutter	OPTIONAL
51-1303	Iliac Bone Probe, Duckbill	1	51-1021	11.5mm Bone Tap, Modular	OPTIONAL

HOOK FIXATION 51-9070

Implants					
Part #	Description	Qty Set	Part #	Description	Qty Set
44-2001	Set Screw	30	51-7042	Laminar Hook, Wide, Large	4
51-2450	450mm Rod, CoCr	4	51-7050	Offset Hook, Left, Medium	4
52-2450	450mm Rod, Ti	4	51-7051	Offset Hook, Left, Large	4
51-7010	Angled Hook, Left, Small	4	51-7060	Offset Hook, Right Medium	4
51-7011	Angled Hook, Left, Medium	4	51-7061	Offset Hook, Right, Large	8
51-7020	Angled Hook, Right, Small	4	51-7070	Pedicle Hook, Small	8
51-7021	Angled Hook, Right, Medium	4	51-7071	Pedicle Hook, Medium	4
51-7030	Laminar Hook, Narrow, Small	4	51-7072	Pedicle Hook, Large	6
51-7031	Laminar Hook, Narrow, Medium	4	51-7080	Thoracic Hook, Narrow, Small	6
51-7032	Laminar Hook, Narrow, Large	4	51-7081	Thoracic Hook, Narrow, Medium	4
51-7040	Laminar Hook, Wide, Small	4	51-7090	Thoracic Hook, Wide, Small	4
51-7041	Laminar Hook, Wide, Medium	4	51-7091	Thoracic Hook, Wide, Medium	4

Instruments

Part #	Description	Qty Set
51-7100	Hook Holder, Regular, Straight	2
51-7101	Hook Holder, Regular, Angled	2
51-7105	Hook Holder, Lateral, Straight	2
51-7106	Hook Holder, Lateral, Angled	2
51-7111	Hook Pusher	2
51-7120	Transverse Process Elevator	1
51-7121	Pedicle Elevator	1
51-7122	Laminar Elevator	1
51-0070	Hook Fixation Sterilization Case	1



THORACIC FIXATION 51-9080

Implants					
Part #	Description	Qty Set	Part #	Description	Qty Set
44-2001	Set Screw	30	51-3445	4.5mm x 45mm Uniplanar Screw, Self Tapping	6
51-2450	450mm Rod, CoCr	4	51-3525	5.5mm x 25mm Uniplanar Screw, Self Tapping	6
52-2450	450mm Rod, Ti	4	51-3530	5.5mm x 30mm Uniplanar Screw, Self Tapping	6
51-3325	4.0mm x 25mm Uniplanar Screw, Self Tapping	6	51-3535	5.5mm x 35mm Uniplanar Screw, Self Tapping	6
51-3330	4.0mm x 30mm Uniplanar Screw, Self Tapping	6	51-3540	5.5mm x 40mm Uniplanar Screw, Self Tapping	6
51-3335	4.0mm x 35mm Uniplanar Screw, Self Tapping	6	51-3545	5.5mm x 45mm Uniplanar Screw, Self Tapping	6
51-3340	4.0mm x 40mm Uniplanar Screw, Self Tapping	6	51-3625	6.5mm x 25mm Uniplanar Screw, Self Tapping	6
51-3345	4.0mm x 45mm Uniplanar Screw, Self Tapping	6	51-3630	6.5mm x 30mm Uniplanar Screw, Self Tapping	6
51-3425	4.5mm x 25mm Uniplanar Screw, Self Tapping	6	51-3635	6.5mm x 35mm Uniplanar Screw, Self Tapping	6
51-3430	4.5mm x 30mm Uniplanar Screw, Self Tapping	6	51-3640	6.5mm x 40mm Uniplanar Screw, Self Tapping	6
51-3435	4.5mm x 35mm Uniplanar Screw, Self Tapping	6	51-3645	6.5mm x 45mm Uniplanar Screw, Self Tapping	6
51-3440	4.5mm x 40mm Uniplanar Screw, Self Tapping	6			

Instruments					
Part #	Description	Qty Set	Part #	Description	Qty Set
51-1080	Hex Wrench	1	51-1476	Coronal Rod Bender, Left	1
51-1258	Set Screw Holder / Driver, Modular, Short	2	51-1480	Rod Gripper	2
51-1402	Bone Probe, Straight, Small	1	52-1011	Ratcheting Handle, T-Handle	1
51-1403	Bone Probe, Curved, Small	1	52-1013	Ratcheting Handle, Straight, Small	1
51-1423	3.5mm Bone Tap, Modular	1	51-0080	Thoracic Fixation Sterilization Case	1
51-1475	Coronal Rod Bender, Right	1			

REDUCTION/DIRECT VERTEBRAL ROTATION 51-9090

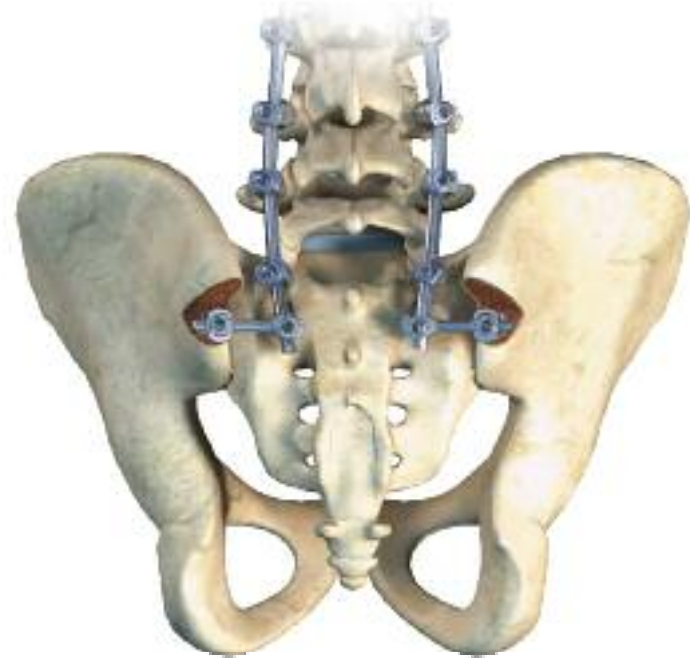
Instruments		
Part #	Description	Qty Set
51-1455	Linear Rod Reducer	2
51-1486	Rotation Handle	6
51-1487	Ratcheting Connector, Large	6
51-1488	Ratcheting Connector, Small	6
51-1489	Reduction/Rotation Tube	12
51-1490	Driver Reduction Tube	2
51-1259	Set Screw Holder / Driver, Modular, Long	2
52-1011	Ratcheting Handle, T Handle	1
52-1013	Ratcheting Handle, Straight, Small	1
51-0080	Reduction Rotation Sterilization Case	1

ALL FIREBIRD SCREWS HAVE A 50 DEGREE CONE OF ANGULATION*

Implants			
Description	Pitch (Mm)	Major/Minor Diameter	Thread Delta(Mm)
3.5mm Bone Tap	2.7	3.5/2.2	1.3
9.5mm Bone Tap	2.7	9.5/7.3	2.2
10.5mm Bone Tap	2.7	10.5/8.1	2.4
11.5mm Bone Tap	2.7	11.5/9.0	2.5
7.5mm Bone Screw	2.7	7.5/5.5	2.0
8.5mm Bone Screw	2.7	8.5/6.5	2.0
9.5mm Bone Screw	2.7	9.5/7.3	2.2
10.5mm Bone Screw	2.7	10.5/8.1	2.4
11.5mm Bone Screw	2.7	11.5/9.0	2.5

* Uniplanar screws have a 50 degree range of motion in the Cephalad/Caudal plane.

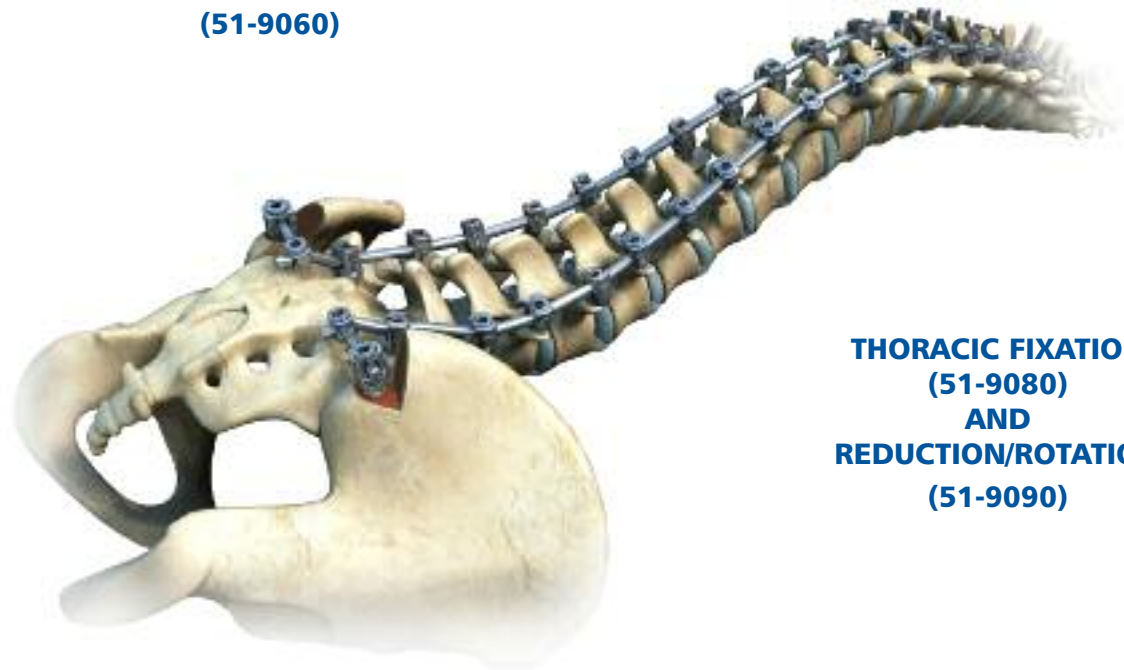




**ILIAC FIXATION
(51-9060)**



**HOOK FIXATION
(51-9070)**



**THORACIC FIXATION
(51-9080)
AND
REDUCTION/ROTATION
(51-9090)**