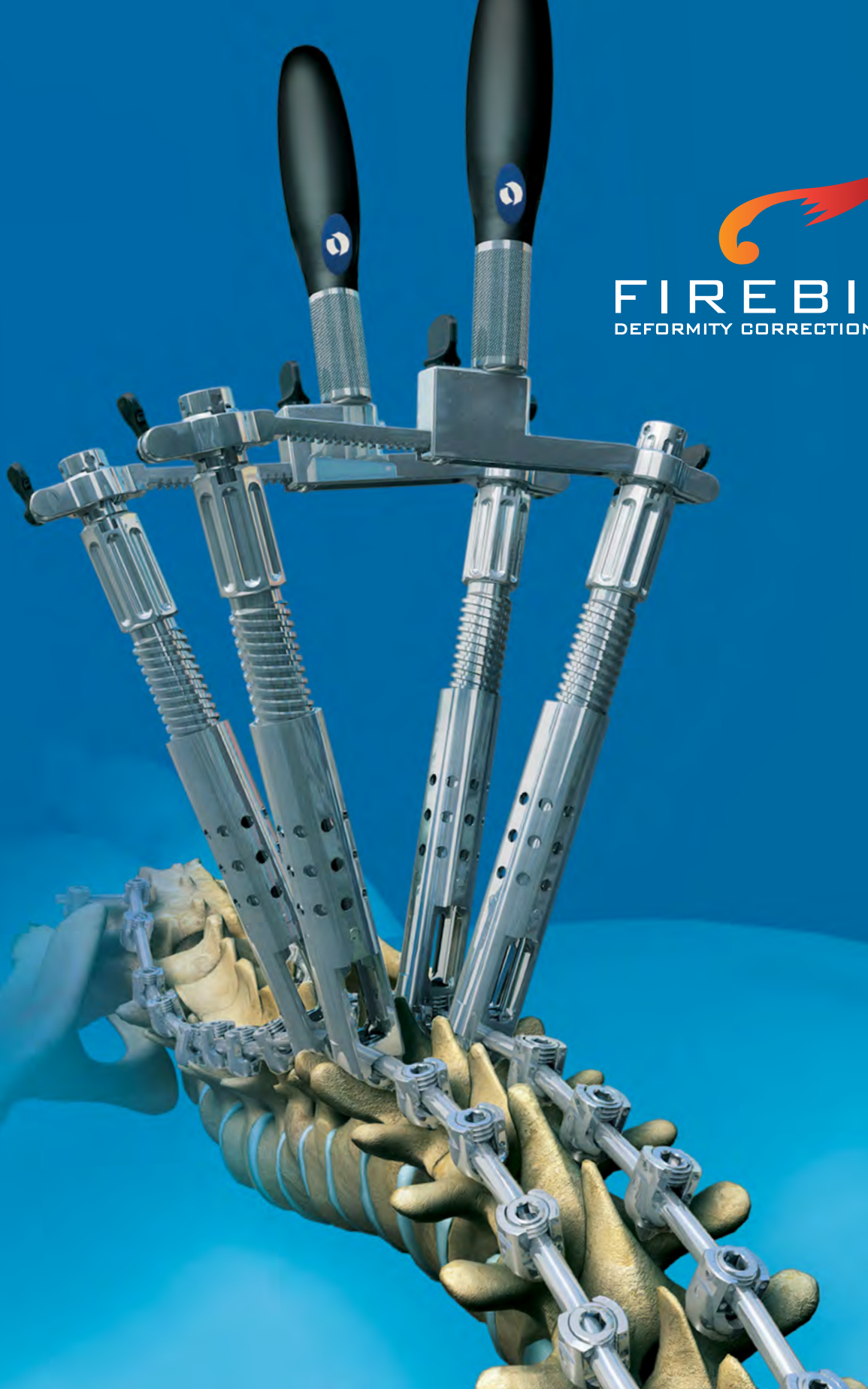




FIREBIRD[™]
DEFORMITY CORRECTION SYSTEM



ORTHOFIX[®]



FIREBIRD™

DEFORMITY CORRECTION SYSTEM

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



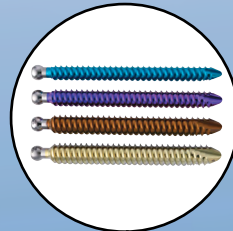
Closed Heads

Add strength at the end of long constructs



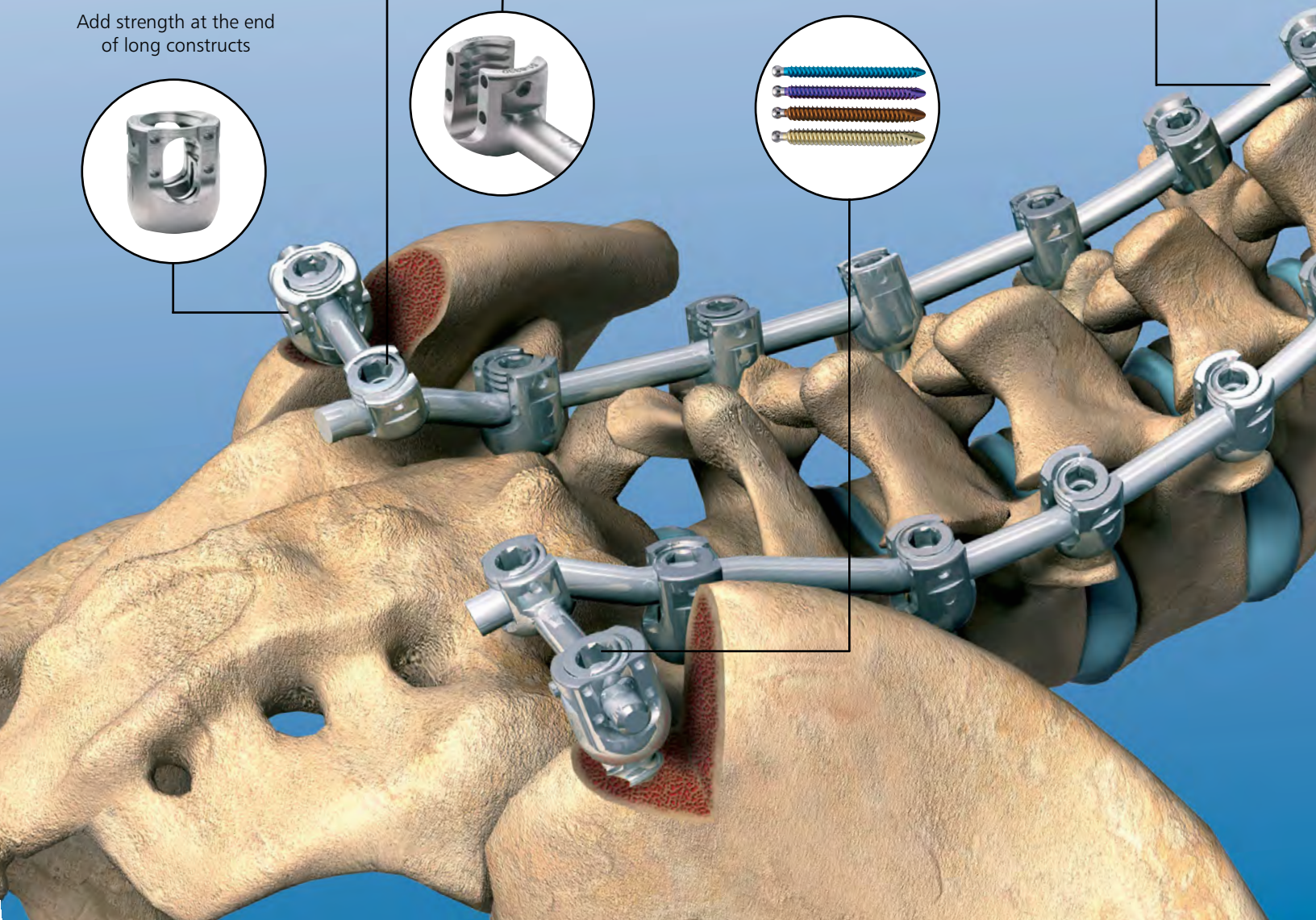
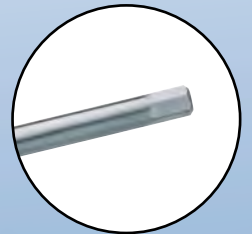
Large Diameter Bone Screws

Designed for iliac fixation



CoCr Rods

100% increased stiffness and
25% increased strength
vs. titanium rods¹



Reduction Heads

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



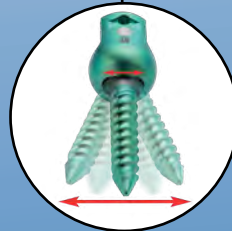
Mono-Axial Screws

Can be used in direct vertebral rotations



Hook Options

A wide variety to match anatomical variations



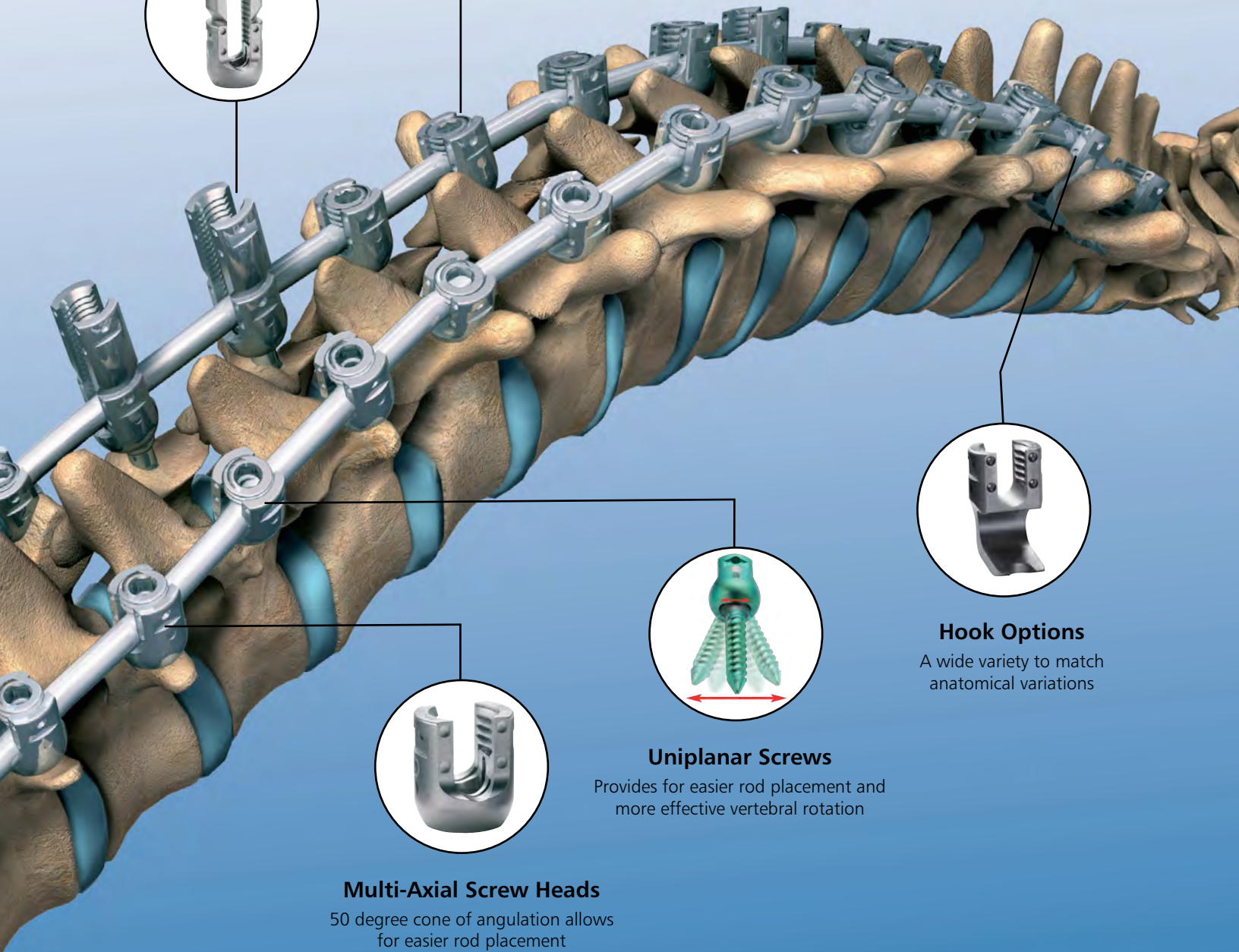
Uniplanar Screws

Provides for easier rod placement and more effective vertebral rotation



Multi-Axial Screw Heads

50 degree cone of angulation allows for easier rod placement



Reference:

1. Data on file at Orthofix

SYSTEM FEATURES

ILIAC FIXATION SET

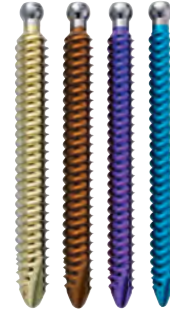
- Modular Bone Screw capability gives greater options and increases in-situ visibility
- Large diameter bone screws designed for iliac fixation
- Multiple iliac connection options



Mono-Axial Offset



Low Profile Offset Head

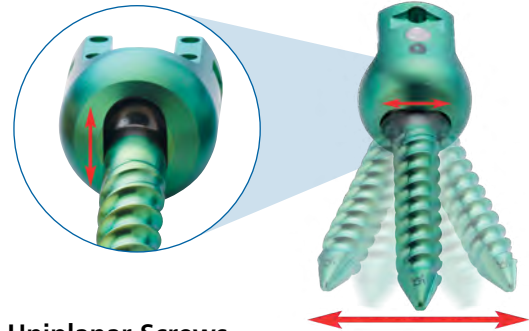


Iliac Bone Screws

THORACIC FIXATION SET

Uniplanar Screws*

- 50 degree 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



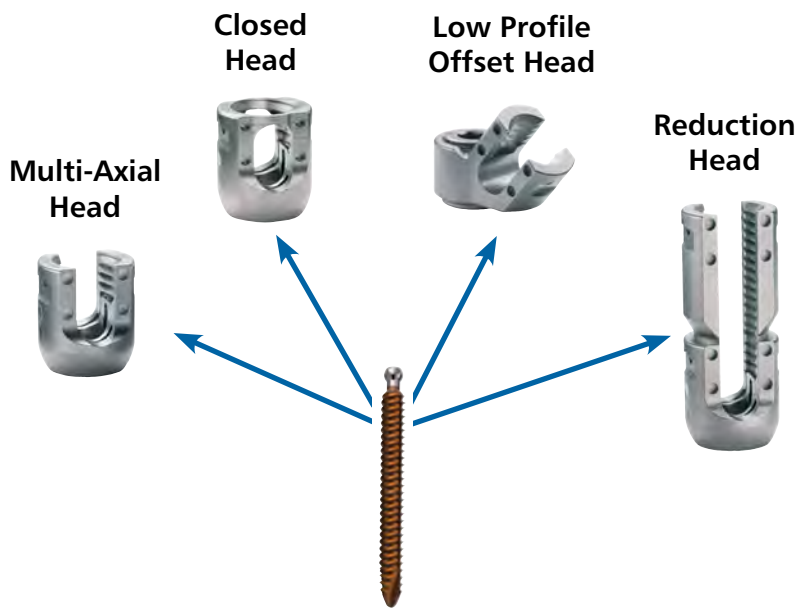
Thoracic Hooks*
narrow and wide



Pedicule Hooks*
small, medium or large

*Also available in reduction configuration

VERSATILE IMPLANTS - THE POWER OF MODULARITY



Modular Bone Screws

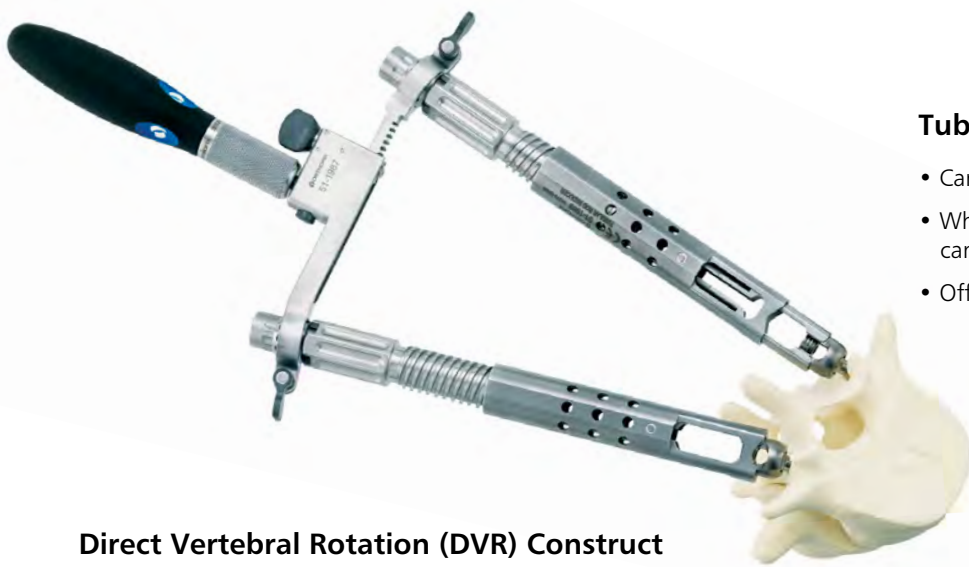
Increase intraoperative visualization and adapt to a variety of surgical requirements

VERSATILE INSTRUMENTS



Tubular Rod Reducer

- 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 28mm of reduction



Direct Vertebral Rotation (DVR) Construct

- Intuitive assembly and disassembly simplifies vertebral rotation procedures

ILIAC FIXATION 51-9560

Implants

Part #	Description	Qty Set	Part #	Description	Qty Set
44-2001	Set Screw	30	51-6315	Mono-Axial Lateral Offset, 15mm	2
44-2101	Body, Top Loading	30	51-6320	Mono-Axial Lateral Offset, 20mm	2
44-2102	Body, Closed	10	51-6325	Mono-Axial Lateral Offset, 25mm	2
44-5760	7.5mm x 60mm Bone Screw, Self Tapping	2	51-6330	Mono-Axial Lateral Offset, 30mm	2
44-5770	7.5mm x 70mm Bone Screw, Self Tapping	2	51-6335	Mono-Axial Lateral Offset, 35mm	2
44-5780	7.5mm x 80mm Bone Screw, Self Tapping	2	51-6380	Mono-Axial Lateral Offset, 80mm	2
44-5790	7.5mm x 90mm Bone Screw, Self Tapping	2	51-6408	Low Profile Offset, 8mm	2
44-5710	7.5mm x 100mm Bone Screw, Self Tapping	2	51-6411	Low Profile Offset, 11mm	2
44-5860	8.5mm x 60mm Bone Screw, Self Tapping	2	51-6414	Low Profile Offset, 14mm	2
44-5870	8.5mm x 70mm Bone Screw, Self Tapping	2	51-6417	Low Profile Offset, 17mm	2
44-5880	8.5mm x 80mm Bone Screw, Self Tapping	2	51-6420	Low Profile Offset, 20mm	2
44-5890	8.5mm x 90mm Bone Screw, Self Tapping	2	51-6423	Low Profile Offset, 23mm	2
44-5810	8.5mm x 100mm Bone Screw, Self Tapping	2	51-6426	Low Profile Offset, 26mm	2
44-5960	9.5mm x 60mm Bone Screw, Self Tapping	2	51-6429	Low Profile Offset, 29mm	2
44-5970	9.5mm x 70mm Bone Screw, Self Tapping	2	51-6432	Low Profile Offset, 32mm	2
44-5980	9.5mm x 80mm Bone Screw, Self Tapping	2	51-6435	Low Profile Offset, 35mm	2
44-5990	9.5mm x 90mm Bone Screw, Self Tapping	2	52-2450	450mm Rod, Ti	4
44-5910	9.5mm x 100mm Bone Screw, Self Tapping	2	51-2450	450mm Rod, CoCr	4
44-5060	10.5mm x 60mm Bone Screw, Self Tapping	2			
44-5070	10.5mm x 70mm Bone Screw, Self Tapping	2			
44-5080	10.5mm x 80mm Bone Screw, Self Tapping	2			
44-5090	10.5mm x 90mm Bone Screw, Self Tapping	2			
44-5010	10.5mm x 100mm Bone Screw, Self Tapping	2			

Instruments

Part #	Description	Qty Set	Part #	Description	Qty Set
51-1027	7.5mm Bone Tap, Modular	1	52-1011	Ratcheting Handle, T-Handle	1
51-1028	8.5mm Bone Tap, Modular	1	52-1013	Ratcheting Handle, Straight, Small	1
51-1029	9.5mm Bone Tap, Modular	1	51-0560	Iliac Fixation Case	1
51-1577	Flat Rod Bender	2	59-1041	In-Situ Rod Cutter	OPTIONAL
51-1303	Iliac Bone Probe, Duckbill	1	51-1020	10.5mm Bone Tap, Modular	OPTIONAL
51-1601	Low Profile Offset Template	1	51-1021	11.5mm Bone Tap, Modular	OPTIONAL

HOOK FIXATION 51-9570

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
51-7601	Hook Holder, Regular, Angled	2
51-7105	Hook Holder, Lateral, Straight	2
51-7606	Hook Holder, Lateral, Angled	2
51-7111	Hook Pusher	2
51-7620	Transverse Process Elevator	1
51-7621	Pedicle Elevator	1
51-7622	Laminar Elevator	1
51-0570	Hook Fixation Case	1



THORACIC FIXATION 51-9580

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			

6

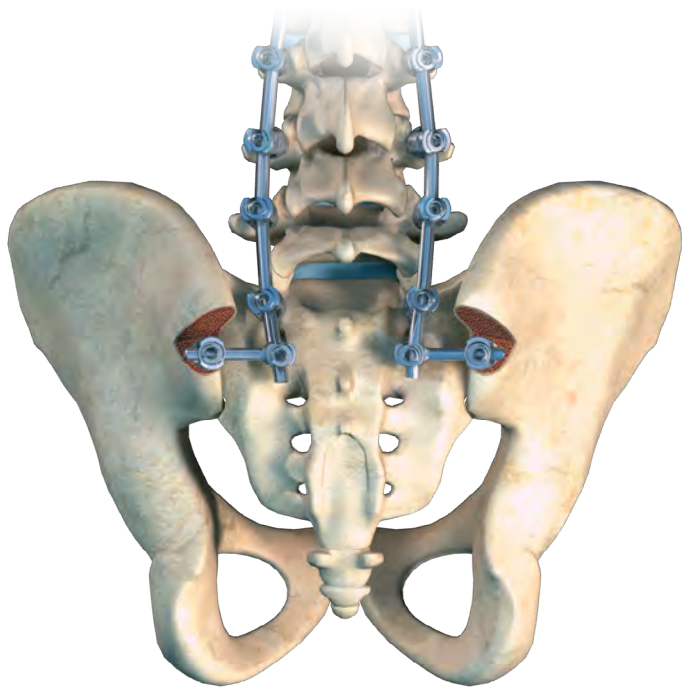
Instruments

Part #	Description	Qty Set	Part #	Description	Qty Set
51-1580	Hex Wrench	1	51-1476	Coronal Rod Bender, Left	1
51-1758	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	51-0580	Thoracic Case	1
51-1475	Coronal Rod Bender, Right	1			

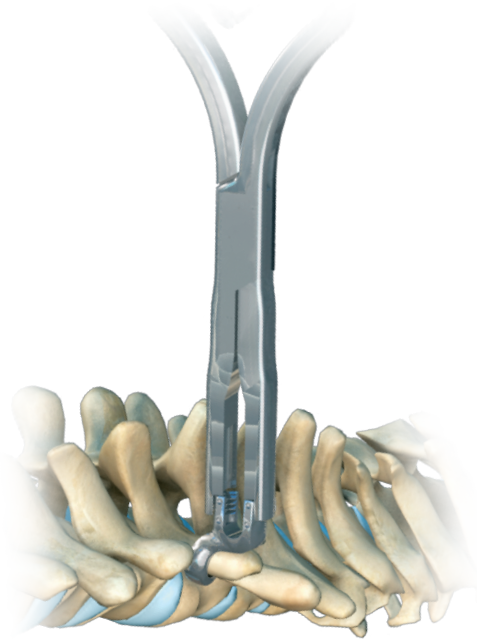
REDUCTION/DIRECT VERTEBRAL ROTATION 51-9590

Instruments

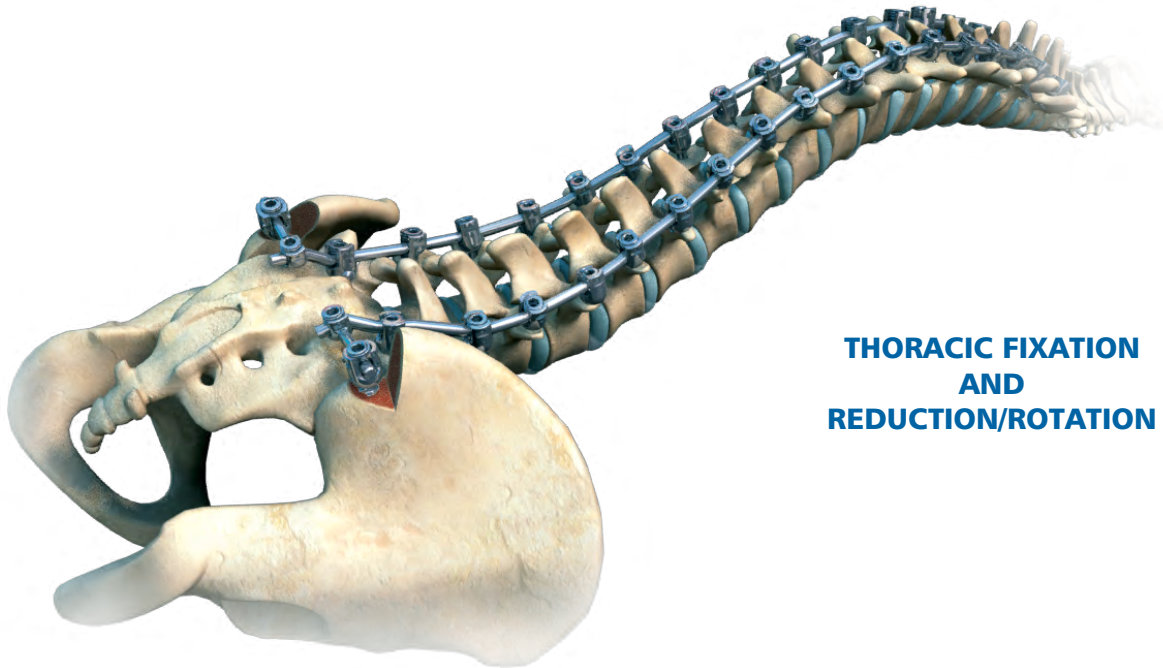
Part #	Description	Qty Set
51-1455	Linear Rod Reducer	2
51-1486	Rotation Handle	6
51-1987	Ratcheting Connector, Large	6
51-1988	Ratcheting Connector, Small	3
51-1989	Tubular Rod Reducer	12
51-1990	Driver, Tubular Rod Reducer	2
51-1759	Set Screw Holder / Driver, Modular, Long	2
52-1011	Ratcheting Handle, T Handle	1
52-1013	Ratcheting Handle, Straight, Small	1
51-0590	Reduction/Rotation Case	1



ILIAC FIXATION



HOOK FIXATION



**THORACIC FIXATION
AND
REDUCTION/ROTATION**



Caution: Federal law (USA) restricts this device to sale by or on the order of a physician. Proper surgical procedure is the responsibility of the medical professional. Operative techniques are furnished as an informative guideline. Each surgeon must evaluate the appropriateness of a technique based on his or her personal medical credentials and experience.



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