

Screw Options



Polyaxial

Primary Use: Offers 25° polyaxiality in each direction to ease rod placement.



Monoaxial

Primary Use: Fixed head well-suited for compression/distraction. Good for direct vertebral rotation in AIS cases.



Uniplanar

Primary Use: Polyaxial freedom in the cephalad/caudal plane to ease rod placement. Fixed movement in the medial/lateral plane well-suited for direct vertebral rotation in AIS cases.



Polyaxial Closed Head

Primary Use: Provides smaller and smoother tulip head that is designed to require less bone removal if used as an iliac screw.



Monoaxial Closed Head

Primary Use: Provides smaller and smoother tulip head that is designed to require less bone removal if used as an iliac screw.



Polyaxial Reduction

Primary Use: Designed to assist in persuading the rod down into the tulip head. Reduces the rod to the spine, and helps correct spinal deformities including but not limited to axial rotation, spondylolisthesis, and sagittal imbalance. Provides approximately 15mm of reduction.



Monoaxial Reduction

Primary Use: Fixed head, designed to assist in persuading the rod down into the tulip head. Well-suited for direct vertebral rotation in AIS cases, especially on the concavity of the apex of the curve. Provides approximately 15mm of reduction.



Uniplanar Reduction

Primary Use: Designed to assist in persuading the rod down into the tulip head. Well-suited for direct vertebral rotation in AIS cases, especially on the concavity of the apex of the curve. Provides approximately 15mm of reduction.



Monoaxial Biased

Primary Use: Fixed screw that offers 15° in the biased direction and can be used for iliac fixation.



Biased (Ceph-Caud) Angle

Primary Use: Offers 40° of cephalad-caudal polyaxiality in the biased direction and 10° in the unbiased direction. Well-suited for L5-S1; helps to prevent tulip convergence/crowding and/or excessive rod bending.



Medial (Med-Lat) Biased

Primary Use: Offers 40° of medial-lateral polyaxiality in the biased direction and 10° in the unbiased direction. Well-suited for instances where the screw takes a more lateral trajectory, and a normal polyaxial screw tulip may not be able to sit upright (allows for easier rod placement). Examples: cortical screw technique, S2 Alar technique for pelvic fixation.

Screwdriver Compatibility

Screwdriver	Screws
Xia 3 Polyaxial	Xia 3 Polyaxial, Xia 3 Uniplanar, Xia 3 Medial Biased, Xia 3 Polyaxial Biased
Xia 3 Monoaxial	Xia 3 Monoaxial
Xia 3 Iliac, 2 piece	Monoaxial Closed Head, Polyaxial Closed Head, Monoaxial Biased
Xia 3 Iliac, 1 piece	Monoaxial Closed Head, Polyaxial Closed Head, Monoaxial Biased, Revision Connector Screw
Xia 3 Reduction Uniplanar	Uniplanar Reduction
Xia II Reduction Polyaxial	Polyaxial Reduction
Xia II Reduction Monoaxial	Monoaxial Reduction

Connector Options

OASYS, 3.5 Rod

Description	Reference #
Offset Connectors	
12mm	48551081
20mm	48551080
Parallel Connectors	
3.5mm-3.5mm	48551088
3.5mm-4.5mm	48551091
3.5mm-5.5mm	48551089
3.5mm-6.0mm	48551090
Axial Connectors	
3.5mm-3.5mm	48551085
3.5mm-4.5mm	48551084
3.5mm-5.5mm	48551086
3.5mm-6.0mm	48551087

XIA 4.5, 4.5 Rod

Description	Reference #
Offset Connectors	
30mm	48135101
70mm	48135102
Parallel Connectors	
4.5mm-4.5mm Large	48135006
4.5mm-4.5mm Small	48135005
4.5mm-5.5/6.0mm Large	48135008
4.5mm-5.5/6.0mm Small	48135003
4.5mm-5.5/6.0mm Top-Loading/Side-Loading Open	48145010
4.5mm-5.5/6.0mm Angled Side-Loading/Side-Loading	48145011
4.5mm-5.5/6.0mm Small 0°	48140134
4.5mm-5.5/6.0mm Small 30°	48140135
4.5mm-5.5/6.0mm Large 0°	48140136
4.5mm-5.5/6.0mm Large 10°	48140137
Iliac 15°	48135106
Iliac 25°	48135107
Iliac 35°	48135108
Iliac 45°	48135109
Axial Connectors	
4.5mm-4.5mm	48135000
4.5mm-5.5/6.0mm	48135004
4.5mm-6.0mm	48135001
Extended 30mm	48135103
Extended 60mm	48135104

RADIUS, 5.5 Rod

Description	Reference #
Offset Connectors	
Low Profile	486614565
75° Bend	486614375
Neutral	486614310
105° Bend	486614305
Long Neutral	486614320
Parallel Connectors	
Small 0°	486614300
Small 30°	486614330
Large 0°	486614400
Large 10°	486614430
5.5mm-5.5mm	486614555
Axial Connectors	
5.5mm-5.5mm	486614550
5.5mm-6.0mm	486614560

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XIA 3, 5.5 and 6.0 Rod

Description	Reference #
Offset Connectors	
Top Loading, 100mm Long	48230139
Open Side-Loading, 69mm Long	48230144
J Hook, 100mm Long	48230143
Closed, 65mm Long	48230138
Parallel Connectors	
Top-Loading Open/Closed Small	48235007
Top-Loading Open/Closed Large	48235008
Top-Loading/Side-Loading Open	48235011
45° Angled Open	48235010
Parallel Small	48230141
Parallel Large	48235009
Axial Connector	
Revision	48235012

*Tulip/Opening accepts both 5.5 and 6.0mm rods. Rod extension for Offset Connectors is 6.0mm.

XIA II, 5.5 and 6.0 Rod

Description	Reference #
Offset Connectors	
105° Bend, 35mm Long	03820132
Long Neutral, 80mm Long	03820133
Neutral, 35mm Long	03820131
Parallel Connectors	
Large Neutral	03820136
Small 30°	03820135
Small 0°	03820134
Large 10°	03820137

XIA II, 6.0 Rod

Description	Reference #
Offset Connectors	
Low Profile Closed/Long 100mm	48230133
Low Profile Short	03820101
Parallel Connectors	
Dual	03805001
Axial Connectors	
6.0mm-6.0mm	03805002

Screwdrivers

Description	Reference #
Xia 3 Polyaxial	48231330
Xia 3 Monoaxial	48231320
Xia 3 Iliac, 2 piece	48231326
Xia 3 Iliac, 1 piece	48231314
Xia 3 Reduction Uniplanar	482331330
Xia II Reduction Polyaxial	48041330
Xia II Reduction Monoaxial	48041340

Stryker Complex Solutions

Offset Connectors



Offset Connectors: Connect existing hardware to iliac screw/bolt and allows rod connection medial/lateral.



Top Loading, 100mm long*

Primary Use: Connecting main construct to an iliac bolt.

Key Advantage: Can be applied to rod after main construct is in place. Has strong interconnection utilizing Xia blocker.



75° Bend, 35mm long

Primary Use: 75° bend connecting main construct to an iliac bolt.

Key Advantage: Ability to place connector at a higher position on the rod and angle down to iliac fixation point. Has strong interconnection utilizing Xia blocker.



105° Bend, 35mm long

Primary Use: 105° bend connecting main construct to an iliac bolt.

Key Advantage: Ability to place connector at a higher position on the rod and angle down to iliac fixation point. Has strong interconnection utilizing Xia blocker.



Long Neutral, 80mm long*

Primary Use: Open connector option connecting to an iliac bolt.

Key Advantage: Easy to attach to the rod. Has strong interconnection utilizing Xia blocker.



Neutral, 35mm long

Primary Use: Neutral open connector option connecting to an iliac bolt.

Key Advantage: Short rod option; easy to attach to the rod; has strong interconnection utilizing Xia blocker.

Most Often Used

*Extra length allows rod to be cut and/or contoured.



Low Profile Closed/Long 100mm, 100mm long*

Primary Use: Unique low profile option, connecting to main construct. Utilizes set screw.

Key Advantage: Circumferentially captures the rod. Optimal at the end of construct when space is tight. May need to prepare ahead of time, as this connector needs to slide onto rod before the rod is inserted into the tulip. Depending on the position of the iliac screw relative to the main construct, this connector can slide onto the rod prior to rod insertion if it needs to sit between screw heads.



Low Profile Short

Primary Use: Unique short rod; low profile option. Utilizes set screw.

Key Advantage: Great for tight areas. Circumferentially captures the rod. Optimal at the end of construct when space is tight. May need to prepare ahead of time, as this connector needs to slide onto rod before the rod is inserted into the tulip.



J Hook, 100mm long*

Primary Use: Low profile, "Clip on" connector option. Utilizes set screw.

Key Advantage: Able to connect to the rod like a M.A.C Connector and provide rigidity.



Open Side-Loading, 69mm long*

Primary Use: Connects to the main construct rod from the side and drops into the iliac bolt.

Key Advantage: Utilizes Xia blocker; allows for sturdy fixation and slides easily onto the rod.

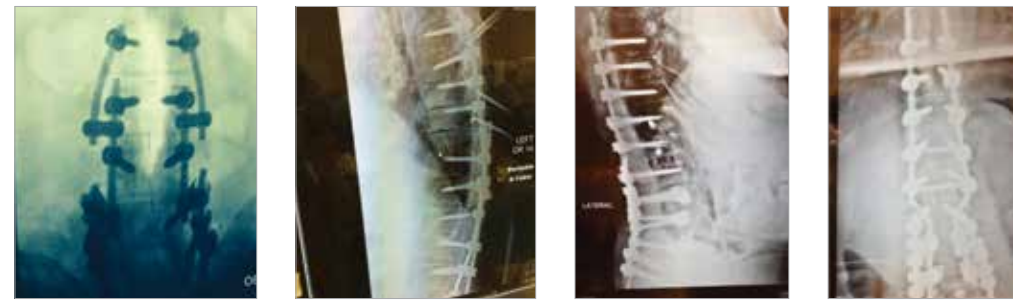


Closed, 65mm long*

Primary Use: Low profile connecting main construct to an iliac bolt. Utilizes set screw.

Key Advantage: Good for tight spaces; circumferentially captures the rod.

Parallel Connectors



Parallel Connectors: Connect existing hardware with a new construct.



**Top-Loading Open/Closed Small
Top-Loading Open/Closed Large**

Primary Use: Well-suited for circumferential capture of old rod and easier capture of new rod

Accommodates Rods that are: Small-12mm apart, Large-22mm apart

Key Advantage: When two connectors are utilized, the surgeon can alternate the closed/open sides to help create a strong connection.



Top-Loading/Side-Loading Open

Primary Use: Unique low profile side-loading/top-loading revision connector.

Accommodates Rods that are: 11mm apart

Key Advantage: Easy to install and use.



45° Angled Open

Primary Use: Unique side-loading/angled top-loading revision, connector option. Well-suited for small spaces.

Accommodates rods that are: 9.65mm apart

Key Advantage: Low Profile; easy to install.



Large Neutral

Primary Use: Connect existing hardware with new construct.

Accommodates Rods that are: 16mm apart

Key Advantage: Strong interconnection utilizing Xia Blocker.



Small 30°

Primary Use: Connect existing hardware with new construct.

Accommodates Rods that are: 12mm apart

Key Advantage: Can easily link onto an existing rod; tulip angle allows the rod to clear adjacent screws.



Small 0°

Primary Use: Connect existing hardware with new construct.

Accommodates Rods that are: 12mm apart

Key Advantage: Strong interconnection utilizing Xia Blocker.

Most Often Used



Large 10°

Primary Use: Connect existing hardware with new construct.

Accommodates Rods that are: 16mm apart

Key Advantage: Can easily link onto an existing rod; tulip angle allows the rod to clear adjacent screws.



**Parallel Small
Parallel Large**

Primary Use: Parallel closed revision connector with ability to connect rods of varying diameters.

Accommodates Rods that are: Small-7mm apart, Large-11mm apart

Key Advantage: Closed strong interconnection; designed to resist bending of the rod.

Axial Connectors

	Ø3.5mm-Ø3.5mm Ø3.5mm-Ø4.5mm Ø3.5mm-Ø5.5mm Ø3.5mm-Ø6.0mm
	Ø4.5mm-Ø4.5mm
	Ø4.5mm-Ø5.5/6.0mm
	Ø4.5mm-Ø6.0mm
	Ø5.5mm-Ø5.5mm
	Ø5.5mm-Ø6.0mm
	Ø6.0mm-Ø6.0mm

Additional Connector Options

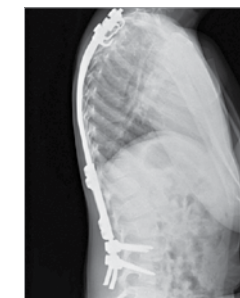


Revision Connectors: Extend or/revise existing constructs without sacrificing a fixation point.



Primary Use: Provides axial connection; allows connector to be fixed to the spine via its linkage to the bone screw, which allows the load to be appropriately distributed.

Diameter: 6.5-9.5mm
Length: 40, 50, 60mm



Extended Connectors: Distract between two adjacent rods, restoring spinal segment height.



Primary Use: Extending rod longer; allows for controlled distraction.

Two Sizes: 30mm and 60mm