Xia® 3
Spinal System

Comprehensive pedicle screw system based on patented foundational technology and designed to offer “Simplicity with Options”

Offering 15 years of design history, the patented buttress thread locking mechanism is designed to minimize cross threading and splaying of the screw head.

System accepts both 5.5 and 6.0mm diameter rods, offering intraoperative flexibility in choosing rod diameters and materials.

Enhanced 6-star screw head design provides a more rigid connection to screwdriver than previous design and enhances intraoperative usability during screw engagement.

The cutting flute of the screw allows for easier insertion and elimination of the tapping step during the procedure.

Cortical/Cancellous thread on screws has been shown to increase pull-out strength over competitive thread patterns.
Xia® 3

User Experience

• Comprehensive system that is designed to treat degenerative, trauma, and deformity applications including adolescent idiopathic scoliosis
• Provides intraoperative flexibility in choosing rod diameters and materials. System accepts both Ø5.5mm and Ø6.0mm diameter rods in straight, precut, and pre-bent Titanium Alloy, Commercially Pure Titanium, and Vitallium materials for addressing multiple pathologies with one system1
• Enhanced 6-star screw head design provides a more rigid connection to screwdriver compared to previous design and enhances intraoperative usability to engage screw twice as well as Medtronic Legacy, potentially allowing for increased OR efficiency and an enhanced user experience3
• 10 unique screw designs, 6 rod options and multiple connector capabilities are designed to provide intraoperative versatility
• The cutting flute of the screw allows for easier insertion and elimination of the tapping step during the procedure5
• Intuitive instrumentation is specifically designed to address screw insertion, rod bending, and direct vertebral rotation and varies in size and type to meet varying ergonomic needs
• National and local surgeon-led education courses offer HCPs the opportunities to gain practical experience and product knowledge in both didactic and simulated OR settings

Proven Biomechanical Results

• Used in over 500,000 surgeries and in more than 73 different countries since 19977
• Offering 15 years of design history, the patented1 buttress thread locking mechanism is designed to minimize cross threading and plaving of the screw head2
• Cortical/Cancellous thread on screws has been shown to increase pull-out strength4 over competitive thread patterns

figure 1

<table>
<thead>
<tr>
<th>3.00 Ti6Al4V</th>
<th>3.20 Ti6Al4V</th>
<th>3.50 CoCr</th>
<th>3.50 CPTi</th>
<th>3.50 Ti6Al4V</th>
<th>4.50 CoCr</th>
<th>4.50 Ti6Al4V</th>
<th>4.75 CoCr</th>
<th>5.50 SS</th>
<th>5.50 Ti6Al4V</th>
<th>6.00 CoCr</th>
<th>6.00 Ti6AI4V</th>
<th>6.35 CoCr</th>
<th>6.35 CpTi</th>
<th>6.35 SS</th>
<th>6.35 Ti6Al4V</th>
<th>6.35 PEEK</th>
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</thead>
<tbody>
<tr>
<td>Rod Stiffness - Greater stiffness than a 6.0mm Titanium rod</td>
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<td>1.2</td>
<td>1.0</td>
<td>0.8</td>
<td>0.6</td>
<td>0.4</td>
<td>0.2</td>
<td>0</td>
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</tr>
</tbody>
</table>

figure 2

| 3.00 Ti6Al4V | 3.20 Ti6Al4V | 3.50 CoCr | 3.50 CPTi | 3.50 Ti6Al4V | 4.50 CoCr | 4.50 Ti6Al4V | 4.75 CoCr | 5.50 SS | 5.50 Ti6Al4V | 6.00 CoCr | 6.00 Ti6AI4V | 6.35 CoCr | 6.35 CpTi | 6.35 SS | 6.35 Ti6Al4V | 6.35 PEEK |
|----------------|----------------|-------------|-------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Rod Yield - Greater strength than a 6.0mm Titanium rod |
| 1.2 | 1.0 | 0.8 | 0.6 | 0.4 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

• Vitallium rod offers lower profile rod with greater strength and stiffness than a 6.0mm Titanium rod3 (see figure 1 and 2)
• Xia 3 demonstrates solid biomechanical strength in comparison with CD Legacy9,10

Economic Solutions/Cross Divisional Capabilities

• Trays are specifically designed to accommodate both degenerative and complex deformity cases
• With the ability to accept two rod diameters, Xia 3 rod-to-rod, offset and revision connectors are designed to adapt to any existing construct in revision cases
• Compatible with Stryker Navigation SpineMap 3D and NAV3i software with navigation-specific instruments designed for OR efficiency
• Cleared for powered screw insertion using Stryker’s Cordless Driver III (CD3) and RemB (corded) drivers

1 Patent #6,074,391, 2 DHF0000016688, 3 DHF0000016685, 4 DHF0000016731, 5 DHF0000016989, 6 PROJ0000031800, 7 TLXIABR12100_US, 8 RD0000029504, 9 PROJ0000016869, 10 PROJ0000016869

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