THE CUTTING EDGE IN SCREW TECHNOLOGY

FOR UNCOMPROMISED PRECISION

DePuy Synthes Cannulated Compression Headless Screw (CCHS) System

Titanium alloy
Partially threaded
Self-drilling/ Self-tapping
Reverse cutting flutes
Differential thread pitch
CCHS OFFERS SURGEONS UNCOMPROMISED PRECISION THROUGH

Innovative cutting edge for improved cutting efficiency

Cobalt Chrome Guide Wire for less deflection

Most comprehensive portfolio on the market to address a wide range of surgical needs

COBALT CHROME GUIDE WIRE FOR LESS DEFLECTION

- Stiffer guide wire results in less deflection during screw insertion to maintain intended trajectory

29% higher bending stiffness of Cobalt Chrome Guide Wire compared to stainless steel guide wire

DePuy Synthes

PART OF THE JOHNSON & JOHNSON FAMILY OF COMPANIES
INNOVATIVE CUTTING EDGE

- Three uniquely angled surfaces combine to form an innovative cutting edge designed to reduce insertion force and minimize the need for predrilling.

COBALT CHROME GUIDE WIRE FOR LESS DEFLECTION

- Stiffer guide wire results in less deflection during screw insertion to maintain intended trajectory.

29% higher bending stiffness of Cobalt Chrome Guide Wire compared to stainless steel guide wire.

MOST COMPREHENSIVE PORTFOLIO TO ADDRESS A WIDE RANGE OF SURGICAL NEEDS

- Widest Range of Screw Diameters (2.0 mm, 2.5 mm, 3.0 mm, 3.5 mm, 4.0 mm, 4.5 mm, 5.5 mm, 6.5 mm, 7.5 mm) and lengths (10 mm-140 mm)
- Screws are offered in color-coded titanium alloy, which indicates the diameter and corresponding instrumentation
- Partially threaded short and long screw designs
- 2.0 mm Quick Insertion Screws are self-drilling and self-tapping twist-off style screws offered in lengths ranging from 11 mm to 18 mm

Unique Easy Loader instrument designed to prevent premature post breakage of the screws.
## CCHS INSTRUMENTATION AND IMPLANT OVERVIEW

<table>
<thead>
<tr>
<th>Screw Diameter (mm)</th>
<th>Guide Wire (Ø/L)</th>
<th>Cannulated Drill Bit Ø</th>
<th>Drill Guide Ø</th>
<th>Cannulated Screwdriver</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0</td>
<td>0.8/1.0 100 mm</td>
<td>1.6 mm</td>
<td>0.8/1.6 mm</td>
<td>T6</td>
</tr>
<tr>
<td>2.5</td>
<td>1.1/1.5 150 mm</td>
<td>2.0 mm</td>
<td>1.1/2.0 mm</td>
<td>T8</td>
</tr>
<tr>
<td>3.0</td>
<td>1.4/1.5 150 mm</td>
<td>2.7 mm</td>
<td>1.4/2.7 mm</td>
<td>T15</td>
</tr>
<tr>
<td>3.5</td>
<td>1.6/1.5 220 mm</td>
<td>3.0 mm</td>
<td>1.6/3.0 mm</td>
<td>T30</td>
</tr>
<tr>
<td>4.0</td>
<td>2.8/1.5 220 mm</td>
<td>5.0 mm</td>
<td>2.8/5.0 mm</td>
<td></td>
</tr>
<tr>
<td>4.5</td>
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<tr>
<td>5.5</td>
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<tr>
<td>6.5</td>
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<tr>
<td>7.5</td>
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</tbody>
</table>

**Handle**

- Small Handle With Jeweler's Cap (Standard AO)
- Large Ratcheting Handle (Standard AO)
- Large Ratcheting Handle (Large Quick Coupling)

**Screw Length**

- Short Thread: 10-30 mm (2 mm increments) 14-50 mm (2 mm increments) 20-60 mm (2 mm increments) 30-130 mm (5 mm increments) 30-140 mm (5 mm increments)
- Long Thread: 10-40 mm (2 mm increments) 14-60 mm (2 mm increments) 20-110 mm (5 mm increments) 30-130 mm (5 mm increments) 30-140 mm (5 mm increments)

**Thread Length**

- Short Thread: 4-8 mm 5-10 mm 5-15 mm 8-28 mm 16 mm
- Long Thread: 8-12 mm 8-16 mm 10-20 mm 12-44 mm 32 mm

Instrument sets are designed to be modular for optimal flexibility.[2]

### Small Set (2.0-4.0 Instruments and Implants)
- Instrument and Implant Set - Flex Small, Lower Extremity (01.333.001)
- Upgrade Implant Set - Small (01.333.002)
- Instrument and Implant Set - Flex Small, Upper Extremity (01.333.101)

### Large Set (4.5-7.5 Instruments and Implants)
- Instrument and Implant Set - Flex Large (01.333.003)
- Upgrade Implant Set - Large (01.333.004)


[3] Bench testing not indicative of clinical performance. FAST Screw Cutting Performance (0000288513). Axial load of 6 samples of each screw type were measured. Test groups were DePuy Synthes CCHS 6.5 and 7.5 mm, HCS 6.5 mm, and Striker Fixes 2.7 mm screws.


[5] Research was performed [June 2019] comparing cannulated headless screw offerings among all main competitors who offer this product line. Main competitors were defined based on market report Medtech 360 Trauma Devices Market Analysis US (2018). Most comprehensive is defined as the widest range of portfolio of available cannulated headless screw diameters currently marketed.

Please also refer to the package insert(s) or other labeling associated with the devices identified in this brochure for additional information.

**CAUTION**: Federal Law restricts these devices to sale by or on the order of a physician.

Some devices listed in this brochure may not have been licensed in accordance with Canadian law and may not be for sale in Canada.

Please contact your sales consultant for items approved for sale in Canada.

Not all products may currently be available in all markets.

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