Zimmer Biomet Instrument Kit System

Reference Guide

Tapered Screw-Vent® (TSV™) Implant System
Trabecular Metal™ Dental Implants
3.1 mmD Eztetic® Dental Implants
The NP Surgical Module snaps into the Tapered Screw-Vent Surgical Kit

NP Surgical Module (NPMOD)

2.4 mm Driva™ Drill, 22 mmL SV2.4DN
2.8/2.4 mm Driva Surgical Step Drill, 22 mmL ZOP28DN
2.1 mm GemLock® Hex Drill, 22 mmL ZOPTT30
2.1 mm GemLock Hex Drill, Latch Lock, Short CHD2.1
2.1 mm GemLock Hex Tool, Ratchet, Short CHR2.1
2.1 mm GemLock Hex Tool, Ratchet, Long CHRL2.1
Removal Tool for Eztetic Abutments CLRT2

Drill Extender DE
3.7 mm Bone Tap TT3.7
4.1 mm Bone Tap TT4.1
4.7 mm Bone Tap TT4.7
6.0 mm Bone Tap TT6.0
2.5 mm GemLock Hex Drill, Latch Lock, Long HDX2.5
2.5 mm GemLock Hex Tool, Short RH2.5
2.5 mm GemLock Hex Tool, Long RHGL2.5

3.0 mm Hex Insertion Drill HX3.0D
3.0 mm Hex Insertion Tool, 17 mmL HX3.0-S
3.0 mm Hex Insertion Tool, 25 mmL HX3.0-S
Removal Tool TLRT2
1.25 mm Hex Driver with GemLock Retention, 22 mmL HXGR1.25
1.25 mm Hex Driver with GemLock Retention, 30 mmL HXLR1.25
1.25 mm Hex Tool, 17 mmL HX1.25
1.25 mm Hex Tool, 22 mmL HXL1.25
1.25 mm Hex Drill 23 mmL HX1.25D

Cleaning of Instruments*:
1. Disassemble multi-piece components.
2. Rinse instruments in cool to lukewarm drinkable water for 2 and a 1/2 minutes.
3. For drills, use the cleaning wire to remove any debris from the irrigation channel. Using a 25 gauge needle, flush the drill lumen with water to remove any remaining debris.
4. Sonicate the instruments for 10 minutes in an ultrasonic cleaner with a pH-neutral enzymatic detergent diluted with tap water per the manufacturer’s instructions.
5. Rinse the instruments with drinkable tap water for 3 minutes.
6. Inspect the instruments for signs of wear, damage, or unrecognizable color identification and replace the instruments accordingly.

Cleaning of Trays and Staging Block*:
1. Remove all parts and insert from the surgical tray. Clean parts per above instructions.
2. Rinse the tray and tray insert with cool to lukewarm drinkable tap water to remove all visible soil.
3. Fully immerse the kit in enzymatic detergent, prepared per manufacturer’s specifications, and allow the kit to soak for a minimum of one minute.
4. Use a damp cloth or soft-bristle brush to wipe and remove any excess soil from each part.
5. Rinse thoroughly with tap water for 3 minutes.

Sterilization*:
1. Individual parts should be placed in a sterilization pouch prior to sterilization.
2. Kits should be populated with clean instruments, placed in a sterilization pouch and sealed.
3. Validated sterilization parameters:

<table>
<thead>
<tr>
<th>Cycle Type</th>
<th>Temperature</th>
<th>Exposure Time</th>
<th>Dry Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gravity (steam)</td>
<td>132°C, 270°F</td>
<td>15 mins</td>
<td>20 mins</td>
</tr>
<tr>
<td>Pre-vacuum (steam)</td>
<td>132°C, 270°F</td>
<td>4 mins</td>
<td>20 mins</td>
</tr>
<tr>
<td>Pre-vacuum (steam)</td>
<td>134°C, 273°F</td>
<td>3 mins</td>
<td>20 mins</td>
</tr>
<tr>
<td>Pre-vacuum (steam)</td>
<td>134°C, 273°F</td>
<td>18 mins</td>
<td>20 mins</td>
</tr>
</tbody>
</table>

For maximum cutting efficiency, replace drills frequently.
Tapered Screw-Vent And Trabecular Metal Implant Surgical Protocol

Intuitive Flow And Color-Coding

A simple color-coding system identifies drills for each implant diameter, allowing you to easily follow any surgical sequence step-by-step. As an example, surgical drills required for placement of the 3.7 mmD Tapered Screw-Vent Implant are represented by horizontal green bars on the kit surface and are logically organized in the order you would use them from left to right. The color-coding also allows you to easily identify your drill options for soft- or dense-bone protocols – a dotted color bar denotes a final soft-bone drill, while the following solid color bar denotes a final dense-bone drill.

### Tapered Screw-Vent And Trabecular Metal Implants Color-Coding

<table>
<thead>
<tr>
<th>Implant Diameter</th>
<th>Color-Coding</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.7 mm</td>
<td>Green</td>
</tr>
<tr>
<td>4.1 mm</td>
<td>White</td>
</tr>
<tr>
<td>4.7 mm</td>
<td>Purple</td>
</tr>
<tr>
<td>6.0 mm</td>
<td>Yellow</td>
</tr>
</tbody>
</table>

### Step 1
The 3.7 mmD Tapered Screw-Vent and Trabecular Metal Implant are color-coded in green. Start with the first green bar on the kit, which indicates the first drill to be used in the drilling sequence for this implant size.

### Step 2
Follow the green color bars from left to right. In a soft-bone protocol, the dotted green bar represents the final drill. For dense bone, skip the dotted green bar and move on directly to the next solid green bar. The last solid bar in the sequence represents the final drill for dense bone.

### Step 3
When drilling in dense bone, you can optionally use the 3.7 mmD cortical bone tap located in a green grommet directly below the last solid green bar in the sequence.

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**3.7 mmD Tapered Screw-Vent and Trabecular Metal Implant (3.5 mmD Platform)**

1. **SV2.3DN**
   - 2.3 mmD Drill
   - For Soft Bone
2. **FOR SOFT BONE**
   - SV2.8DN 2.8 mmD Drill
3. **FOR DENSE BONE**
   - TSV3DN 3.4/2.8 mmD Drill
4. **OPTIONAL FOR DENSE BONE**
   - TT3.7 3.7 mmD Cortical Bone Tap
**4.1 mmD Tapered Screw-Vent and Trabecular Metal Implant (3.5 mmD Platform)**

1. SV2.3DN 2.3 mmD Drill
2. SV2.8DN 2.8 mmD Drill
3. FOR SOFT BONE SV3.4DN 3.4 mmD Drill
4. FOR DENSE BONE* TSV3.8DN

*When placing the 4.1 mmD Trabecular Metal Dental Implant in dense bone (Type D1), add an additional drill step utilizing the SV3.8DN/TSV3.8DSN drill after TSV3.8DN/TSV3.8DSN.

**4.7 mmD Tapered Screw-Vent and Trabecular Metal Implant (4.5 mmD Platform)**

1. SV2.3DN
2. TSV3DN 3.4/2.8 mmD Drill
3. FOR SOFT BONE SV3.8DN
4. FOR DENSE BONE* TSV4DN 4.4/3.8 mmD Drill

*In dense bone, an optional additional step drill may be used before TSV6DN/TSV6DSN: TSV5.1DN/TSV5.1DSN. Note this additional drill is sold separately and is not included in kits.

**6.0 mmD Tapered Screw-Vent and Trabecular Metal Implant (5.7 mmD Platform)**

1. SV2.3DN 2.3 mmD Drill
2. TSV3DN 3.4/2.8 mmD Drill
3. TSV4DN 4.4/3.8 mmD Drill
4. FOR SOFT BONE SV5.1DN 5.1 mmD Drill
5. FOR DENSE BONE* TSV6DN 5.7/5.1 mmD Drill

*In dense bone, an optional additional step drill may be used before TSV6DN/TSV6DSN: TSV5.1DN/TSV5.1DSN. Note this additional drill is sold separately and is not included in kits.
Intuitive Flow And Color-Coding
A simple color-coding system identifies drills for each implant diameter, allowing you to easily follow any surgical sequence step-by-step. As an example, surgical drills required for placement of the 3.1 mmD Eztetic Implant are represented by horizontal blue bars on the kit and NP Module and are logically organized in the order you would use them from left to right and up to the NP Module. The color-coding also allows you to easily identify your drill options for soft- or dense-bone protocols – a dotted color bar denotes a final soft-bone drill, while the following solid color bar denotes a final dense-bone drill.

3.1 mmD Eztetic Implant Color-Coding
With the instrument kit system comes a simple way of working. Its unique, color-coded surgical protocol labeling system helps to guide you effortlessly through each drilling sequence.

Step 1
The 3.1 mmD Eztetic Implant is color-coded in blue. Start with the first blue bar in the main kit.

Step 2
Follow the blue color bars from left to right for the 2.3 mmD Drill, and up to the NP Surgical Module. Utilize the 2.4 mmD Drill as the final drill in soft bone. The last blue solid bar in the sequence is located in the NP Surgical Module and represents the final drill in dense bone (2.8/2.4 mmD).

Step 3
When drilling in dense bone, you can optionally use the 3.0 mmD cortical bone tap located in the blue grommet that follows the 2.8/2.4 mm drill.
3.1 mmD Eztetic Implants

1. 0201DSN
   2.1/1.6 mmD,
   8 mmL - 11.5 mmL
   Drill

2. SV2.3DN
   2.3 mmD
   Drill

3. SV2.4DN
   2.4 mmD
   Drill

4. ZOP28DN
   2.8/2.4 mmD
   Drill

OPTIONAL FOR DENSE BONE
ZOPTT30
3.0 mmD
Cortical Bone Tap