Neodent Instruments
**Alvim Drill**
- Available in surgical steel
- Instrument sequence for surgical alveolus in Alvim/Drive Implants.

**Countsink Drill**
- Available in surgical steel;
- Preparation of bone crest for fitting the cervical bone Implants 3.3

**Initial Drill**
- Available in surgical steel;
- Cortical rupture;
- 2.0mm diameter.

**Pilot/Countersink Drill**
- Available in surgical steel;
- Increasing the surgical alveolus diameter ridge, easing the penetration of the next drill;
- Replaces the Countersink when using Morse Taper Implants.

**Twist Drill**
- Available in surgical steel;
- Instrument sequence for surgical alveolus in Titmax Implants.
**Facility Abutment Placement Aid**

- Available in titanium;
- Instrument to guide the implant’s position;
- Diameter of central band corresponds to CM implant diameter;
- Smaller side to be used after Ø2.0mm drill;
- Larger side to be used after the last drill before implant installation.

**Facility Drill**

- Available in surgical steel;
- Instrument sequence for surgical alveolus in Facility Implants;

<table>
<thead>
<tr>
<th>Facility Initial</th>
<th>Twist Ø</th>
<th>10 mm</th>
<th>12 mm</th>
<th>14 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>103.330</td>
<td>103.331</td>
<td>103.341</td>
<td>103.342</td>
<td>103.343</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Facility</th>
<th>Twist Ø</th>
<th>10 mm</th>
<th>12 mm</th>
<th>14 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>WS 128.024</td>
<td>128.025</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Direction Indicator**

- Available in surgical steel;
- Instrument sequence for surgical alveolus in Facility Implants;

<table>
<thead>
<tr>
<th>2.8/3.5</th>
<th>3.0/3.75</th>
<th>3.3/4.0</th>
<th>3.6/4.3</th>
<th>4.3/5.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>128.019</td>
<td>128.020</td>
<td>128.021</td>
<td>128.022</td>
<td>128.023</td>
</tr>
</tbody>
</table>

- Insertion of Facility prosthetic components through impact.

**Neodent Instruments**
Facility Connection

- For driver 105.104 maximum torque 45Ncm;
- For driver 105.109 maximum torque 45Ncm.

CM Implant Driver - Contra-Angle

- To place CM Implants with Contra-Angle, or attached to a manual Driver for Contra-Angle Connections (104.026) for hand placement;
- With six dimples to indicate the hex index face position;
- The laser marks indicate the depth of implant placement, bone level, 1 and 2mm infra-bone and last marking (3mm) biological space;
- Maximum torque: 30N.cm.

CM Implant Driver - Torque Wrench

- For placement CM Implants with the Torque Wrench (104.050);
- With six marks to indicate the hex index face position;
- The laser marks indicate the depth of implant placement, bone level, 1 and 2mm infra-bone and last marking (3mm) biological space;
- Maximum torque: 60N.cm.

Smart Connection - Contra-Angle

- Available in stainless steel;
- Connection for contra-angle adjusted to the Smart Implants Assembler;
- Maximum torque: 30N.cm.
Height Measurer
- Available in titanium;
- For selection of CM prosthetic abutments;
- Marks corresponding to transmucosa heights.

Drill Extension
- Available in surgical steel;
- Screw for drill retaining;
- Screw attached to drill extension;
- To tighten or untighten the screw, use a half-turn on the 1.2 Digital Driver (104.012) is enough;
- Maximum torque: 30N.cm.

Titanium Tweezers
- To handle implants;
- New Tweezer system that prevents deviation in the active bit;
- Millimeter scale for checking during procedures;
- Self-locking implant.

Handle Implant Driver
- Available in stainless steel;
**WS Implant Driver - Contra-Angle**
- Available in surgical steel;
- Adaptation of hex assemblies;
- To place implants using the motor and Contra-Angle;
- Maximum torque: 30N.cm.

**WS Implant Driver - Torque Wrench**
- Short
- Long
- Available in surgical steel;
- Adaptation of hex assemblies;
- Fit in square wrench;
- Maximum torque: 30N.cm.

**Alvim Bone tap**
- Suitable for the formation of threads in surgical socket before placing Alvim implants in bone bed type I or II.

**Facility Bone Tap**
- Suitable for the formation of threads in surgical socket before placing Facility implants in bone bed type I or II.

**Facility Bone Tap Connection**
- Suitable for manual installation using Torque Wrench.
**Depth Probe**
- Available in titanium;
- To probe preparations and analyze depth;
- Millimeter scale for checking during procedures.

**Manual Implant Driver - Contra-Angle**
- Available in surgical steel;
- Compatible with all Neodent Implant Lines Contra-Angle Drivers, it becomes a manual driver for implant placement.

**Manual Screwdriver 0.035/0.9 mm**
- Available in surgical steel;
- With diverging hex for better screw tightening and transport.

**Manual Screwdriver 0.048/1.2 mm**
- Available in surgical steel;
- With diverging hex for better screw tightening and transport.

**Analog Handle**
- Used for tightening analogs and milling prosthetic abutments.
Torque Wrench

:: Available in surgical steel;
:: Extremely safe (lower than 5% variation);
:: Fitting for square connections;
:: Collapsible Wrench that allows for proper assembly cleaning.

Operation Instructions

The Neodent Torque Wrench was designed to allow the necessary torque to be applied and simultaneous verification of that torque with the same Instrument.

All that is needed is to apply force to the wrench handle (never the wrench body) until the value marked on the LATERAL SCALE corresponds to the desired torque.

The Neodent Torque Wrench comes with pre-calibrated torques: 10, 20, 32, 45 and 60 Ncm.

The Wrench function works in both directions, by simply pulling and turning the driver’s pin 180°. However, the torque measurements work only clockwise.

WARNING: When inverting the torque direction, the gear may come loose from the driver body and fall. Therefore, this inversion should only be done with the driver connected to a part or outside the patient’s mouth.
**Screwdrivers**
- Available in surgical steel;
- Please note the screwdriver that matches the screw in the prosthetic abutment;
- To control the torque, the screwdriver should be adapted to a Torque Wrench (104.050);
- For manual torque, the screwdriver should be adapted to a Manual Driver (104.005).

<table>
<thead>
<tr>
<th>0.048/1.2</th>
<th>0.063/1.6</th>
<th>Prosthetic Abutment Driver (Short)</th>
<th>0.035/0.9</th>
<th>0.048/1.2</th>
<th>0.063/1.6</th>
<th>Slot</th>
<th>Square</th>
<th>Prosthetic Abutment Driver</th>
<th>0.048/1.2</th>
<th>Manual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short</td>
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<td>0.048/1.2 Short</td>
<td>0.035/0.9</td>
<td>0.048/1.2</td>
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<td>Slot</td>
<td>Square</td>
<td>Prosthetic Abutment Driver</td>
<td>0.048/1.2</td>
<td>Manual</td>
</tr>
</tbody>
</table>

**Drivers for Contra Angle**
- Available in surgical steel;
- Please note the screwdriver that matches the screw in the prosthetic Abutment;

- Available in surgical steel;
- Recommended for Conical Impression Coping (used in closed tray techniques).

**Impression Coping Driver - Closed-Tray**
- Available in surgical steel;
- Recommended for Conical Impression Coping (used in closed tray techniques).

**Trephine Bur**
- Available in surgical steel;
- Collecting bone cylinder;
- Implant removal.

<table>
<thead>
<tr>
<th>0.35 mm</th>
<th>Ø 3.3</th>
<th>Ø 4.1</th>
<th>Ø 4.3</th>
<th>Ø 5.0</th>
<th>Ø 8.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.35 mm</td>
<td>103.051</td>
<td>103.026</td>
<td>103.087</td>
<td>103.027</td>
<td>103.028</td>
</tr>
</tbody>
</table>
**Implant Removal**
- Available in surgical steel;
- 130.050 remove:
  - CM Ø 3.5, 3.75, 4.0, 4.3 and 5.0mm;
  - SMART Ø 3.5, 3.75, 4.0 and 4.3mm.
- 130.051 remove:
  - SMART Ø 5.0mm.
- 130.052 remove:
  - FACILITY

**Bone Profile Drill for CM Implants**
- Available in surgical steel;
- Used in the second surgical stage;
- Conforms the bone around the implant platform, preparing an emergence profile compatible with the prosthetic abutment’s profile.

**7 And 9 mm Space Planning Instrument**
- Available in surgical steel;
- Recommended for prosthetic/surgical planning;
- 7 and 9 mm marks.

**Tapered X-Ray Positioner Alvim / Drive**
- Available in titanium;
- Used to verify the depth of osteotomy without opening flaps;
- We suggest using a periapical x-ray to evaluate.

**Facility X-Ray Positioner**

**17°/30° 2.0 Drill Positioner**
- Available in titanium;
- Angles: 17° and 30°;
- To select and plan the angle of prosthetic abutments during surgical procedures;
- Suggested use: After Twist Drill 2.0.
Concave Osteotome
:: Available in surgical steel;
:: Concave active cutting bit for non-traumatic lifting the floor of the maxillary sinus;
:: Used to prepare the surgical alveolus for Implant placement in the posterior maxillary region with low bone height;
:: Marks from 7 to 17mm.

Convex Osteotome
:: Available in surgical steel;
:: Convex active bit;
:: Used when the bone width is insufficient, demanding bone compression and expansion before placing the implant;
:: Marks from 7 to 17mm.

Osteotomes Kit Case
:: Available in polymer;
:: Autoclavable;
:: Osteotomes sold separately.

Surgical Hammer
:: Available in surgical steel;
:: Polymer active bit;
:: Used in compactors and expanders;
:: Weight: 130g.
**Sinus Lift Curette**
- Available in surgical steel.
- Used to displace the Sinusal Membrane.

**Disposable Bone Scraper**
- Used to remove autogenous bone.
- Single use.
- Supplied sterile.
Disposable Bone Collector
- Available in polymer;
- To collect autogenous bone;
- Single use;
- Adaptable to vacuum pump;
- Includes two disposable sieves;
- Use second tip for saliva suction (watch for contamination).

Collector | Sieve
---|---
107.003 | 107.008

Surgical Labial Retractor
- Available in surgical steel;
- Rounded edges to minimize surgical trauma.

Surgical Labial Retractor | 124.001

Columbia Retractor
- Available in surgical steel;
- Rounded edges to minimize surgical trauma.

Columbia Retractor | 124.003

Scapel Handle
- Available in surgical steel;
- For standard scalpel blade use;
- Blade not included.

Scapel Handle | 129.008
Blade and Bivers Handle
- Handle and blade in surgical steel;
- Non-traumatic extraction for implant placement;
- Similar to a periosteum;
- Blades supplied individually.

Complement Case
- Available in autoclavable polymers;
- Used to organize drills and ancillary connectors.

Bone Mill
- Available in surgical stainless steel;
- Increases in bone volume;
- Blade comes with 3-year warranty, oxidation free;
- Fitted with lever for easier use;
- Bone mill pestle with slots to optimize bone block locking during use;
- Please avoid the use of bone originated from tissue banks;
- Bone Mill Teflon Ring (127.013) can be acquired.

Bovine bone block with volume = 1.76 cm$^3$

Magnified particles

After particling, volume gain was about 7 times.