Neodent® provides you with a complete range of products and services that are designed and produced by a team of professionals who truly love what they do. Just like you, we live to give people new reasons to smile. New ways to enjoy everything life has to offer. Every day.
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Innovative and easy to use

Neodent® Packaging

Neodent® implant packaging has been updated to a concept that provides convenience through all steps of the procedure, from storage to the placement of the implant. The new packaging aids in identification of both the implant model as well as its diameter and length, regardless of its storage position.

After breaking the sterility seal on the blister, hold the primary package (vial) and twist the lid to open it.

To remove the implant from the vial lift the cap up, which has the stand and implant attached to it.

To secure the implant, grip both sides of the implant carrier.

While gripping the implant carrier, remove the lid.

To capture the implant with the contra-angle handpiece attachment, grip the implant carrier while placing the attachment into the implant chamber.

The implant can now be transported to the surgical site.
e-IFU – Electronic Instructions For Use

Neodent® innovates once more, providing an on-line platform designed to provide quick and practical use of its own products instructions: the e-IFU (Instructions For Use) website.

To facilitate access, have the article number, which can be found on the external packaging of the product, in this catalogue or with your local distributor. Once the article number is entered in the website, the professional will have access to relevant information to this product, such as description, indication for use, contraindications, handling, traceability and other features.

Access: ifu.neodent.com.br/en
Constant evolution.

Based on the abrasive sandblasting concept followed by acid etching, the NeoPoros surface promotes, by using controlled grain oxides, cavities on the implant surface that then are uniformed with the acid etching technique.

The whole process of obtaining this surface is guaranteed due to automated time, speed, pressure and particle size control.

Several scientific studies continue to be performed so that the NeoPoros surface may be always evolving and promoting much more reliability for you.

Controlled roughness on all implant surface. Scanning electron microscopy (A) shows macro (15-30μm) and (B) microtopography (0.3 - 1,3μm).

Image taken by confocal microscopy. Roughness and Microtopography. (Sa= 1,4 – 1.8 μm; Sz= 15 μm).
The Hydrophilic Surface is designed for high treatment predictability.

The Neodent® Acqua hydrophilic surface is the next level of the highly successful S.L.A. type of surface developed to achieve successful outcomes even in challenging situations, such as soft bone or immediate protocols.¹⁻⁴

Hydrophilicity

The hydrophilic surface presents a smaller contact angle when in contact with hydrophilic liquids. This provides greater accessibility of organic fluids to Acqua implant surface.²

Surface comparison

Lab generated images.

NeaPoros surface. Acqua Hydrophilic Surface.
Grand Morse®

GREATNESS IS AN ACHIEVEMENT

GRAND RELIABILITY

STABLE AND STRONG FOUNDATION DESIGNED FOR LONG TERM SUCCESS

The implant-abutment interface is crucial for a successful long term functional and esthetic result. The Neodent® Grand Morse® connection offers a unique combination based on proven concepts: a platform switching associated with a deep 16° Morse Taper including an internal indexation for a strong and stable connection designed to achieve long-lasting results.

1. **Platform Switching**
   Abutment design with a narrower diameter than the implant coronal area, enabling the platform switching concept[5-8].

2. **Internal Indexation**
   Precise abutment positioning, protection against rotation and easy handling.

3. **Deep Connection**
   Allowing a large contact area between the abutment and the implant for an optimal load distribution.

4. **16° Morse Taper Connection**
   Designed to ensure tight fit for an optimal connection sealing.
GRAND SIMPLICITY

EASE OF USE AT ITS BEST

Implant therapy has become an integral part of clinical dentistry, with ever increasing numbers of patients seeking such treatment. The Neodent® Grand Morse® Implant System is smartly engineered providing efficiency and simplicity within the dental treatment network for both surgical to restoratives steps.

ONE PROSTHETIC PLATFORM

All Neodent® Grand Morse® implants feature the unique Grand Morse® connection regardless of the implant diameter.

ONE SCREWDRIVER

The Neo Screwdriver has a star attachment offering reliability and durability compatible with all Neodent® Grand Morse® healing abutments and restorative screws.

ONE IMPLANT DRIVER

The Neodent® implant driver allows reliable implant pick up and placement.

ONE SURGICAL KIT

Intuitive and functional compact surgical kit, that allows the placement of Helix GM® implants in all bone types.
GRAND STABILITY

STABLE AND STRONG FOUNDATION DESIGNED FOR LONG TERM SUCCESS

The increasing expectations for shortened treatment duration represents a significant challenge for dental professionals. The Neodent® Grand Morse® system offers a unique implant design featuring the innovative Acqua hydrophilic surface designed to maximize primary stability and predictability in immediate protocols.

HELIX® - OPTIMAL IMPLANT DESIGNED TO ACHIEVE HIGH PRIMARY STABILITY

Helix® Grand Morse® is an innovative hybrid implant design maximizing treatment options and efficiency in all bone types.

**Tapered body design**
- Coronal: 2° - 12°
- Apex: 16°
  » Allowing under-osteotomy

**Hybrid contour**
- Coronal: Cylindrical
- Apex: Conical
  » For stability with vertical placement flexibility

**Active apex**
- Soft rounded small tip
- Helical flutes
  » Enabling immediate loading

**Dynamic progressive thread design**
- Coronal: Trapezoidal > compressing
- Apex: V-Shape > Self-tapping
  » Achieving high primary stability in all bone types

**Acqua hydrophilic surface**
Designed for high treatment predictability
Today, patients expect both short treatment times and esthetic results. The Neodent® Grand Morse® restorative portfolio offers flexibility to simplify soft tissue management respecting the biological distances for achieving immediate function and esthetics.

---

![Image of various abutments and prostheses]

*TiN-Titanium nitride*
Helix GM®

PRODUCT FEATURES:

Implants Description:
• Dual tapered implant;
• Hybrid contour with a cylindrical coronal part and conical on the apical area;
• Active apex including a soft rounded small tip and helicoidal flutes;
• Dynamic progressive thread design: from compressing trapezoidal threads on the coronal area to self-tapping V-shape threads on the apical part;
• Double threaded implant;
• Grand Morse® connection.

Indications:
• Indicated for all types of bone density and implant immediate placement post extraction.

Drilling features:
• Contour drill is required in bone types I and II;
• Final pilot drills are highly recommended in bone types I and II;
• Implant should be positioned 1 or 2 mm below bone level;
• Drilling speed: 800-1200 rpm for bone type I and II;
• Drilling speed: 500-800 rpm for bone type III and IV;
• Implant insertion speed: 30 rpm;
• Maximum torque for implant placement: 60 N.cm.

Available with:
Neoporos or acqua
### Drill Sequence

<table>
<thead>
<tr>
<th>Ø 3.5</th>
<th>Ø 3.75</th>
<th>Ø 4.0</th>
<th>Ø 4.3</th>
<th>Ø 5.0</th>
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### Helix GM® Implants

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### GM Healing Abutment

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### GM Customizable Healing Abutments

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### GM Cover Screw

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</tbody>
</table>

- Use the manual Neo Screwdriver (104.060).
- Do not exceed the insertion torque of 10 N cm.

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**Bone types I and II:**

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<thead>
<tr>
<th>Ø 3.5</th>
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**Bone types III and IV:**

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<th>Ø 4.3</th>
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</tbody>
</table>
Implants Description:
- Tapered implant;
- Square shape threads;
- Double threaded implant;
- Reverse cutting chambers distributed across the implant body;
- Rounded apex with a sharp edge;
- Grand Morse® connection.

Indications:
- Indicated for bone types III and IV and implant immediate placement post-extraction;

Drilling features:
- Final pilot drill is optional in bone types III and IV;
- Implant should be positioned 1 or 2 mm below bone level;
- Drilling speed: 500-800 rpm;
- Implant insertion speed: 30 rpm;
- Maximum torque for implant placement: 60 N.cm.

Available with:
Neoporous or acqua
Drill Sequence

<table>
<thead>
<tr>
<th>Ø 3.5 mm</th>
<th>Ø 4.3 mm</th>
<th>Ø 5.0 mm</th>
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Bone types II and IV

Drive GM® Implants

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GM Healing Abutment

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<th>1.5 mm</th>
<th>2.5 mm</th>
<th>3.5 mm</th>
<th>4.5 mm</th>
<th>5.5 mm</th>
<th>6.5 mm</th>
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<tbody>
<tr>
<td>Ø 3.3</td>
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<td>106.224</td>
<td>106.241</td>
<td>106.258</td>
<td>106.275</td>
<td>106.292</td>
<td>106.309</td>
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<tr>
<td>Ø 4.5</td>
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GM Customizable Healing Abutments

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<tbody>
<tr>
<td>Ø 5.5</td>
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<td>Ø 7.0</td>
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GM Cover Screw

<table>
<thead>
<tr>
<th>0 mm</th>
<th>2 mm</th>
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<tbody>
<tr>
<td>117.021</td>
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</table>

- Use the manual Neo Screwdriver (104.060).
- Do not exceed the insertion torque of 10 N.cm.
Implants Description:
• Cylindrical implant (parallel walls);
• V-shape threads;
• Double threaded implant;
• Self tapping apex;
• Grand Morse® connection.

Indications:
• Indicated for bone types I and II or grafted areas such as bone block.

Drilling features:
• Final pilot drill is highly recommended in bone types I and II;
• Implant should be positioned 1 or 2 mm below bone level;
• Self tapping implant which doesn’t require the use of bone tap or contour drill;
• Drilling speed: 800-1200 rpm;
• Implant insertion speed: 30 rpm;
• Maximum torque for implant placement: 60 N.cm.

Available with:
Neoporos or acqua
**Drill Sequence**

<table>
<thead>
<tr>
<th>Ø 3.5 mm</th>
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<th>Ø 5.0 mm</th>
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<tbody>
<tr>
<td>❌</td>
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**Titanax GM® Implants**

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<th>8.0 mm</th>
<th>9.0 mm</th>
<th>11.0 mm</th>
<th>13.0 mm</th>
<th>15.0 mm</th>
<th>17.0 mm</th>
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<td>140.910</td>
<td>140.911</td>
<td>140.912</td>
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</table>

| Ø 3.75 | Acqua | 140.899| 140.900| 140.901| 140.902| 140.903| 140.904| 140.905 |

| Ø 4.0  | Acqua | 140.911| 140.912| 140.913| 140.914| 140.915| 140.916| 140.917| 140.918 |

| Ø 5.0  | Acqua | 140.921| 140.922| 140.923| 140.924| 140.925| 140.926 |

**GM Healing Abutment**

- Profile Ø 3.3
  - 0.8 mm: 106.207
  - 1.5 mm: 106.208
  - 2.5 mm: 106.209
  - 3.5 mm: 106.210
  - 4.5 mm: 106.211
  - 5.5 mm: 106.212

- Profile Ø 4.5
  - 0.8 mm: 106.213
  - 1.5 mm: 106.214
  - 2.5 mm: 106.215
  - 3.5 mm: 106.216
  - 4.5 mm: 106.217
  - 5.5 mm: 106.218

- Profile Ø 5.5
  - 0.8 mm: 106.219
  - 1.5 mm: 106.220
  - 2.5 mm: 106.221
  - 3.5 mm: 106.222
  - 4.5 mm: 106.223
  - 5.5 mm: 106.224

- Profile Ø 7.0
  - 0.8 mm: 106.225
  - 1.5 mm: 106.226
  - 2.5 mm: 106.227
  - 3.5 mm: 106.228
  - 4.5 mm: 106.229
  - 5.5 mm: 106.230

**GM Customizable Healing Abutments**

- Profile Ø 3.3
  - 1.5 mm: 106.221
  - 2.5 mm: 106.222
  - 3.5 mm: 106.223
  - 4.5 mm: 106.224
  - 5.5 mm: 106.225
  - 6.5 mm: 106.226

**GM Cover Screw**

- Profile Ø 3.3
  - 0 mm: 117.021
  - 2 mm: 117.022

- Profile Ø 4.5
  - 0 mm: 117.023
  - 2 mm: 117.024

- Profile Ø 5.5
  - 0 mm: 117.025
  - 2 mm: 117.026

- Profile Ø 7.0
  - 0 mm: 117.027
  - 2 mm: 117.028

- Use the manual Neo Screwdriver (104.060).
- Do not exceed the insertion torque of 10 N.cm.
GM Abutment

Recommended for posterior region.

Consider in addition 1.5 - 2.0 mm for the restorative material
Minimum interocclusal space of 4.9 mm from the mucosa level

Accessories

- Mini Conical Abutment Polishing Protector
- Replacement Coping Screw
- Titanium
Workflow Options

Intraoral

1. GM Abutment Scanbody
2. GM Abutment Hybrid Repositionable Analog
3. GM Abutment Impression Coping
4. GM Abutment Hybrid Repositionable Analog
5. GM Abutment Scanbody
6. GM Abutment Coping for Crown - Digital Workflow

Model Scanning

1. GM Abutment Scanbody
2. GM Abutment Impression Coping Closed Tray
3. GM Abutment Hybrid Repositionable Analog
4. Neo Abutment Titanium Coping
5. GM Abutment Scanbody
6. GM Abutment Coping for Crown - Digital Workflow
7. Neo Abutment CoCr Coping

Conventional

1. GM Abutment Scanbody
2. GM Abutment Impression Coping Closed Tray
3. Neo Abutment Titanium Coping
4. Neo Abutment Protection Cylinder
5. GM Abutment Scanbody
6. GM Abutment Coping for Crown - Digital Workflow
7. Neo Abutment CoCr Coping
8. Neo Abutment Burn-out Coping

Neo Screwdriver Torque Connection + Torque Wrench
Neo Screwdriver Torque Connection + Manual Screwdriver Torque
GM Mini Conical Abutment

Consider in addition 1.5 - 2.0 mm for the restorative material

Minimum interocclusal space of 4.5 mm from the mucosa level for straight abutments.

- **Accessories**
  - Mini Conical Abutment Polishing Protector
  - Replacement Coping Screw
  - Titanium

Multiple-unit screw-retained prosthesis
Workflow Options

1. GM Mini Conical Abutment
   - 0.8 mm
   - 1.5 mm
   - 2.5 mm
   - 3.5 mm

2. GM Exact Mini Conical Abutment 17°/30°
   - 1.5 mm
   - 2.5 mm
   - 3.5 mm

3. Slim Mini Conical Abutment Open Tray Impression Coping

4. Model Scanning
   - GM Mini Conical Abutment Scanbody

5. Conventional
   - Slim Mini Conical Abutment Open Tray Impression Coping
   - Slim Mini Conical Abutment Closed Tray Impression Coping

6. Intraoral
   - GM Mini Conical Abutment Scanbody

7. Neo Mini Conical Abutment One Step Hybrid Coping

8. Neo Mini Conical Abutment Protection Cylinder

9. Neo Mini Conical Abutment Protection

10. Neo Mini Conical Abutment One Step Hybrid Coping

11. Neo Mini Conical Abutment Open Tray Impression Coping

12. Neo Mini Conical Abutment Hybrid Repositionable Analog

13. Neo Mini Conical Abutment CoCr Coping

14. Neo Mini Conical Prosthetic Driver Torque Wrench

15. Neo Screwdriver Torque Connection


17. Intraoral Model Scanning Workflow Options
   - Conventional
   - Model Scanning
   - Intraoral

18. Hexagonal Prosthetic Driver Torque Wrench

19. Neo Mini Conical Abutment Hybrid Repositionable Analog

20. Neo Mini Conical Abutment Hybrid Repositionable (conventional/digital)

21. Neo Mini Conical Abutment Analog

22. Neo Mini Conical Abutment Burn-out Coping

23. Neo Mini Conical Abutment Hybrid Repositionable Analog

24. Neo Mini Conical Abutment Hybrid Repositionable Analog

25. Neo Mini Conical Abutment Hybrid Repositionable Analog

26. Neo Mini Conical Abutment Hybrid Repositionable Analog

27. Neo Mini Conical Abutment Hybrid Repositionable Analog
GM Micro Abutment

Recommended for limited spaces and narrow inter-dental spaces.

Consider in addition 1.5 - 2.0 mm for the restorative material
Minimum interocclusal space of 3.5 mm from the mucosa level

Accessories

- Micro Abutment Polishing Protector
- Replacement Coping Screw
- Bridge
- Titanium
GM Anatomic Abutment

Recommended for anterior region.

- Gingiva color for esthetic outcomes
- Click retention for provisional copings
- Exact
- Unlocking feature

Consider in addition 1.5 - 2.0 mm for the restorative material
Minimum interocclusal space of 4.9 mm from the mucosa level
Installation Sequence

1. GM Exact Click Anatomic Abutment
   - GM Exact Click Anatomic Abutment 17°
   - Impression of the GM Exact Click Anatomic Abutment
   - Lab stage
   - Finalized prosthesis

2. GM Exact Click Narrow Anatomic Abutment
   - GM Implant Exact Impression Coping Closed and Open Tray
   - Regular
   - Long
   - Lab stage
   - Finalized prosthesis

3. GM Implant Analog
   - GM Exact Click Anatomic Abutment
   - Click Provisional Coping
   - Neo Screwdriver
   - Torque Wrench
   - Manual Screwdriver
   - Torque Connection

Hybrid Repositionable (conventional/digital)
- Ø 3.5/4.3
- Ø 4.0/4.3
- Ø 5.0/6.0
- Conventional
- Ø 3.5/4.3
- Ø 5.0/6.0
- Lab stage
- Finalized prosthesis
GM Universal Abutment

Click retention for provisional copings

Exact Unlocking feature

Consider in addition 1.5 - 2.0 mm for the restorative material

Minimum interocclusal space of 4.9 mm from the mucosa level
Installation Sequence

1. GM Exact Click Universal Abutment

2. GM Exact Click Universal Abutment 17°

3. GM Exact Click Universal Abutment 30°

Click Universal Abutment Impression Coping

Click Universal Abutment Provisional Coping

Universal Abutment Analog

Universal Abutment Burn-out Coping

Neo Screwdriver Torque Connection

Torque Wrench

Hybrid Repositionable (conventional/digital) Click (conventional)
GM Exact TiBase with Removable Screw

With removable screw.

- Customizable up to 4 mm high
- Cementable area: 6.0 or 4.0 mm
- Exact

Consider in addition 1.5 - 2.0 mm for the restorative material.
Minimum interocclusal space of 4.9 mm from the mucosa level.

Accessories

Replacement Sterile Screws
Titanium 116.286
Workflow Options

Intraoral

Model Scanning

Conventional

GM Implant Exact Impression Coping
Closed and Open Tray

Neo Screwdriver Torque Connection + Torque Wrench

Neo Screwdriver Torque Connection + Manual Screwdriver Torque

GM Implant Intraoral Scanbody

GM Exact Implant Scanbody

GM Implant Analog

GM Exact Titanium Base

GM Titanium Base Burn-out Coping

Regular
Long

118.320
118.321
118.322
118.323
118.325
118.326
118.327

4.0 mm
6.0 mm

Ø 5.5
Ø 4.5
Ø 3.5

Neo Screwdriver Torque Connection

Torque Wrench

GM Implant Exact Impression Coping
Closed and Open Tray

GM Implant Exact Impression Coping
Closed and Open Tray

Round Repositionable (conventional/digital)

Round Repositionable (conventional/digital)

Regular
Long

108.160
108.161
108.164
108.165
108.167
108.168

6 mm
4 mm

Ø 3.5
Ø 4.5
Ø 5.5

GM Implant Analog

GM Implant Analog

GM Implant Analog

Hybrid Repositionable (conventional/digital)

Hybrid Repositionable (conventional/digital)

Ø 3.5/3.75
Ø 4.0/4.3
Ø 5.0/6.0

GM Implant Intraoral Scanbody

GM Implant Analog

GM Implant Analog

Hybrid Repositionable (conventional/digital)

Hybrid Repositionable (conventional/digital)

Ø 3.5/3.75
Ø 4.0/4.3
Ø 5.0/6.0
GM Titanium Base for Bridge

With removable screw.

Cementable area: 4.0 mm for Ø 3.5
4.5 mm for Ø 4.5 and Ø 5.5

Accessories

Replacement Sterile Screws

Titanium 116.286
## Workflow Options

### Intraoral

- **GM Implant Intraoral Scanbody**
- **GM Implant Analog**
- **GM Exact Implant Scanbody**

### Model Scanning

- **GM Implant Impression Coping Open Tray (non-indexed)**
- **GM Implant Analog**

### GM Titanium Base for Bridge

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<th>Size</th>
<th>0.8 mm</th>
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### Tools

1. **Neo Screwdriver**
   - Torque Connection + Torque Wrench
2. **Neo Screwdriver**
   - Torque Connection + Manual Screwdriver

**Conventional**

- Ø 5.0/6.0

**Hybrid Repositionable (conventional/digital)**

- Ø 3.5/4.3
- Ø 5.0/6.0

**GM Titanium Base for Bridge**

- Ø 3.5
- Ø 4.5
- Ø 5.5

**Torque Connection**

- 2.5 mm 4.5 mm 1.5 mm 3.5 mm 0.8 mm 20 N.cm
GM Titanium Base Angled Solution (AS)

With removable screw.

- **Cementable area**: 6.0 or 4.0 mm

- **Single-unit screw-retained prosthesis** OR **Single-unit cement-retained prosthesis**

**Accessories**

- Replacement Sterile Screw

- Screw for GM Titanium Base AS
Workflow Options

Intraoral

GM Implant Intraoral Scanbody

Model Scanning

GM Implant Exact Impression Coping
Closed and Open Tray

Regular
Long

GM Implant Intraoral Scanbody

GM Implant Analog

GM Exact Implant Scanbody

GM Titanium Base Angled Solution (AS)

Ø 4.0
Ø 4.5
Ø 5.5

0.8 mm
1.5 mm
2.5 mm
4 mm
6 mm

0.8 mm
1.5 mm
2.5 mm
4 mm
6 mm

Short
Regular
Long

105.150
105.147
105.151
105.148
105.152
105.149

20 N•cm
20 N•cm
20 N•cm

Neo Screwdriver Torque Wrench
Manual Screwdriver Contra-angle

Angled Solution Screwdriver for Torque Wrench
Torque Wrench
Short
Regular
Long
Angled Solution Screwdriver for Contra-angle
Contra-angle
Titanium Base C for GM

With removable screw.

Accessories

Replacement Sterile Screws

Titanium 116.286
Installation Sequence

Workflow

Step 1
Gingiva height selection and ordering.

1. Select the Titanium Base C for GM Exact gingival height.
2. Order the Titanium Base C for GM Exact.
   Please note that the scanbody has to be purchased directly from the equipment manufacturer.

Step 2
Intra-oral scanning.

1. Insert the Titanium Base C for GM Exact in the Neodent® implant.
2. Insert scanbody on the Titanium Base C for GM Exact.

Step 3
Design and milling.

1. Select in the CAD software the comparable third-party Ti-base and perform the digital design.
2. Mill the digital design.

CEREC digital library compatibility

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<th>Library</th>
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<td>Scanbody</td>
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<td>3.4 L</td>
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<td>GM, CM, HE, IPbase</td>
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<td>SBL 4.1 L</td>
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<tr>
<td>BO 3.4 L</td>
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</table>

Step 4
Finalization and fixation.

1. Check the fit of milled restoration in the patient’s mouth and adapt it, if needed.
2. Cement the restoration on the Titanium Base C for GM Exact and insert it into the patient’s mouth.
GM Titanium Block for MEDENTiKA® Holder

Screw sold separately.

Consider in addition 1.5 - 2.0 mm for the restorative material
Minimum interocclusal space of 4.9 mm from the mucosa level

 ⟨ Accessories ⟩

Sterile Screws sold separately

038
Complete Digital Workflow

1. GM Exact Titanium Block
   - Ø 11.5 mm
   - Ø 15.8 mm
   - USK135.252-1
   - USK135.253-1

2. GM Implant Intraoral Scanbody
   - GM Implant Analog
   - Hybrid Repositionable (conventional/digital)

3. GM Exact Titanium Block

Finalized Prosthesis with CADCAM process

Semi Digital Workflow

1. GM Exact Titanium Block
   - Ø 11.5 mm
   - Ø 15.8 mm
   - USK135.252-1
   - USK135.253-1

2. GM Implant Analog
   - Ø 4.0/4.3
   - Hybrid Repositionable (conventional/digital)

3. GM Implant Scanbody

Finalized Prosthesis with CADCAM process
GM Titanium Block for AG Holder

Screw sold separately.

Accessories

Replacement Sterile Screws

Titanium 116.286
Complete Digital Workflow

1. GM Exact Titanium Block
   - Ø 12.0 mm
   - Amann Girrbach Holder

2. GM Implant Intraoral Scanbody
   - GM Implant Analog
   - Ø 4.0/4.3
   - Hybrid Repositionable (conventional/digital)

Finalized Prosthesis with CADCAM process

Semi Digital Workflow

1. GM Exact Titanium Block
   - Ø 12.0 mm
   - Amann Girrbach Holder

2. GM Implant Analog
   - Ø 4.0/4.3
   - Hybrid Repositionable (conventional/digital)

3. GM Implant Intraoral Scanbody
   - GM Implant Analog
   - Ø 4.0/4.3
   - Hybrid Repositionable (conventional/digital)
   - Conventional

Finalized Prosthesis with CADCAM process

Tools:
- Neo Screwdriver
- Torque Connection
- Torque Wrench
GM CoCr Abutment

Consider in addition 1.5 - 2.0 mm for the restorative material
Minimum interocclusal space of 4.9 mm from the mucosa level

Accessories

Replacement Sterile Screws
Titanium 116.283
Installation Sequence

1. GM Implant Exact Impression Coping
   - Regular 108.160
   - Regular 108.161
   - Long 108.162
   - Long 108.163

2. GM Implant Exact CoCr Abutment Set
   - Ø 3.5 / 3.75
   - Ø 4.0 / 4.3
   - Ø 5.0 / 6.0
   - 118.309
   - 118.310
   - 118.311

3. GM Healing for CoCr Abutment
   - Ø 3.5 / 3.75
   - Ø 4.0 / 4.3
   - Ø 5.0 / 6.0
   - 106.237
   - 106.238
   - 106.239

4. GM Temporary Abutment for Crown or GM Pro PEEK Abutment

The set includes one GM CoCr Abutment, one Titanium Screw and one GM Implant Analog.

5. Neo Screwdriver Torque Connection + Torque Wrench

6. Neo Screwdriver Torque Connection + Manual Screwdriver Torque
GM Temporary Abutment

Customizable area made of titanium
A minimum height of 4 mm of the customizable area must be kept
With retentive grooves for acrylic material and allows customization

Interocclusal height of 10 mm (can be customized up to 4.0 mm)
Exact for crown
Can be customized

Consider in addition 1.5 - 2.0 mm for the restorative material

Accessories

Replacement Sterile Screws
Titanium 116.286
Installation Sequence

1. GM Temporary Abutment for Crown

- Ø 3.5
- Ø 4.5

2. GM Temporary Abutment for Bridge

- Ø 3.5
- Ø 4.5

Customization

Temporary Prosthesis

1. Neo Screwdriver Torque Connection +

Torque Wrench
GM Pro PEEK Abutment

Biocompatible PEEK of easy customization

Interocclusal height of 9.2 mm (can be customized up to 5.0 mm)

Exact
Unlocking feature

Consider in addition 1.5 - 2.0 mm for the restorative material
Installation Sequence

GM Pro PEEK Abutment

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</table>

In mouth customization

1 Neo Screwdriver Torque Connection

Torque Wrench
GM Attachment TiN* for Removable Prostheses

Angled version with removable screw

Accessories

- Equipment Box: 2010.91
- Processing Spacer: 2010.723
- Mounting Insert: 2010.725
- Matrix Housing Extractor: 2010.751
- Demounting Tool for Mounting Inserts for Analogs: 2010.731
- Mounting and Demounting Tool for Retention Inserts: 2010.741
Installation Sequence

GM Attachment TiN* for Removable Prostheses

GM Attachment TiN* for Removable Prostheses 15°

Forming/Fixing Matrix

4 Units

Attachment Analog

Attachment Analog 15°

Mounting Collar

Retention Insert

Neo Screwdriver
Torque Connection

Neo Screwdriver
Torque Connection

Torque Wrench

Retention Insert

Red (approx. 300 g)

White (approx. 750 g)

Yellow (approx. 1200 g)

Green (approx. 1650 g)

Blue (approx. 2100 g)

Black (approx. 2550 g)

*TiN - Titanium nitride
Measurements GM Mini Conical Abutment

- **17°**
  - Dimensions: 1.5, 2.5, 3.5, 4.9
  - References: 115.249, 115.250, 115.251

- **30°**
  - Dimensions: 1.5, 2.5, 3.5, 4.9, 5.9
  - References: 115.252, 115.253, 115.254
Measurements GM Anatomic Abutment

- **Narrow Anatomic Abutment**
  - Transmucosal: 4.75
  - 4.25
  - 4.8
  - 8.1

- **Anatomic Abutment**
  - Transmucosal: 6.05
  - 4.85
  - 5.8
  - 7.3

- **Narrow Anatomic Abutment 17°**
  - Transmucosal: 6.1
  - 2.5
  - 3.5

- **Anatomic Abutment 17°**
  - Transmucosal: 8.5
  - 3.5

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Narrow Anatomic Abutment 17°</th>
<th>Anatomic Abutment 17°</th>
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<td>114.767</td>
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</table>
Measurements GM Universal Abutment

17°

4 mm chimney height
Ø 3.3 / 17°

4 mm chimney height
Ø 4.5 / 17°

6 mm chimney height
Ø 3.3 / 17°

6 mm chimney height
Ø 4.5 / 17°
30°

4 mm chimney height

Ø 3.3 / 30°

6 mm chimney height

Ø 3.3 / 30°

4 mm chimney height

Ø 4.5 / 30°

6 mm chimney height

Ø 4.5 / 30°
Grand Morse® Kits
Grand Morse® Surgical Kit

Autoclavable polymer case.
The Kit presents two compositions:
- Complete: for Helix GM®, Drive GM® and Titamax GM® implants;
- Helix®: for Helix GM® implants.

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<th>Helix®</th>
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<td>GM Implant Driver - Contra-Angle</td>
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Note: Items that compose Neodent® Kits are sold separately.
Helix GM® Compact Surgical Kit

Autoclavable polymer case. The Kit allows the installation of Helix GM® Implants in all bone types.

Articles

| 110.297 | Helix GM® Compact Surgical Kit Case |
| 103.170 | Initial Drill |
| 103.425 | Tapered Drill 2.0 |
| 103.399 | Tapered Drill 3.5 |
| 103.402 | Tapered Drill 3.75 |
| 103.405 | Tapered Drill 4.0 |
| 103.408 | Tapered Drill 4.3 |
| 103.411 | Tapered Drill 5.0 |
| 103.427 | Tapered Drill 6.0 |
| 104.060 | Neo Manual Screwdriver (Medium) |
| 104.028 | Manual Implant Driver - Contra-angle |
| 103.426 | Drill Extension |
| 103.419 | Tapered Contour Drill 3.5 |
| 103.420 | Tapered Contour Drill 3.75 |
| 103.421 | Tapered Contour Drill 4.0 |
| 103.422 | Tapered Contour Drill 4.3 |
| 103.423 | Tapered Contour Drill 5.0 |
| 105.131 | GM Implant Driver - Contra-angle |
| 105.130 | GM Implant Driver - Torque Wrench (Long) |
| 105.129 | GM Implant Driver - Torque Wrench (Short) |
| 103.414 | GM Pilot Drill 2.8/3.5 |
| 103.415 | GM Pilot Drill 3.0/3.75 |
| 103.416 | GM Pilot Drill 3.3/4.0 |
| 103.417 | GM Pilot Drill 4.3 |
| 103.418 | GM Pilot Drill 4.3/5.0 |
| 128.028 | GM Height Measurer |
| 128.030 | Angle Measurer for Drill 2.0 17° |
| 128.031 | Angle Measurer for Drill 2.0 30° |
| 128.019 | Direction Indicator 2.8/3.5 |
| 128.020 | Direction Indicator 3.0/3.75 |
| 128.021 | Direction Indicator 3.3/4.0 |
| 128.022 | Direction Indicator 3.6/4.3 |
| 128.023 | Direction Indicator 4.3/5.0 |
| 129.004 | Depth Probe |
| 104.050 | Torque Wrench |

Note: Items that compose Neodent® Kits are sold separately.
Grand Morse® Prosthetic Kit

Autoclavable polymer case.

To order the pre-mounted version of the kit, with its complete composition, use code 110.304

Articles

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>110.294</td>
<td>GM Prosthetic Kit Case</td>
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<tr>
<td>105.146</td>
<td>Neo Screwdriver Torque Connection - Contra-angle (Extra-short)</td>
</tr>
<tr>
<td>105.135</td>
<td>Neo Screwdriver Torque Connection - Contra-angle (Short)</td>
</tr>
<tr>
<td>105.136</td>
<td>Neo Screwdriver Torque Connection - Contra-angle (Medium)</td>
</tr>
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<td>105.138</td>
<td>Hexagonal Prosthetic Driver - Contra-angle</td>
</tr>
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<td>105.137</td>
<td>Hexagonal Prosthetic Driver - Torque Wrench</td>
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<tr>
<td>105.133</td>
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<td>105.132</td>
<td>Neo Screwdriver Torque Connection (Medium) - Torque Wrench</td>
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<td>105.134</td>
<td>Neo Screwdriver Torque Connection (Long) - Torque Wrench</td>
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<td>104.005</td>
<td>Manual Screwdriver Torque</td>
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<td>104.050</td>
<td>Torque Wrench</td>
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</table>

Note: Items that compose Neodent® Kits are sold separately.
Grand Morse® Try-In Kit

Autoclavable polymer case.

To order the pre-mounted version of the kit, with its complete composition, use code 110.305.

Articles

<table>
<thead>
<tr>
<th>Code</th>
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<tr>
<td>110.295</td>
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<td>GM Abutment Try-In 3.3X6X3.5</td>
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<td>114.776</td>
<td>GM Abutment Try-In 3.3X6X4.5</td>
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<td>114.777</td>
<td>GM Abutment Try-In 3.3X6X5.5</td>
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<td>114.781</td>
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<td>114.782</td>
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<td>114.783</td>
<td>GM Abutment Try-In 4.5X6X5.5</td>
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<td>114.784</td>
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<td>114.785</td>
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<td>114.786</td>
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<td>114.791</td>
<td>GM Abutment Try-In 30° 3.3X6X2.5</td>
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<tr>
<td>114.792</td>
<td>GM Abutment Try-In 30° 3.3X6X3.5</td>
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<td>114.795</td>
<td>GM Abutment Try-In 30° 4.5X6X3.5</td>
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<tr>
<td>114.796</td>
<td>GM Anatomic Abutment Try-In 1.5</td>
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<tr>
<td>114.797</td>
<td>GM Anatomic Abutment Try-In 2.5</td>
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<tr>
<td>114.798</td>
<td>GM Anatomic Abutment Try-In 3.5</td>
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<tr>
<td>114.799</td>
<td>GM Lateral Anatomic Abutment Try-In 1.5</td>
</tr>
<tr>
<td>114.800</td>
<td>GM Lateral Anatomic Abutment Try-In 2.5</td>
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<tr>
<td>114.801</td>
<td>GM Lateral Anatomic Abutment Try-In 3.5</td>
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<tr>
<td>104.058</td>
<td>Neo Manual Screwdriver (Short)</td>
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<tr>
<td>128.028</td>
<td>GM Height Measurer</td>
</tr>
</tbody>
</table>

Note: Items that compose Neodent® Kits are sold separately.
Grand Morse® Instruments
Initial Drill
- Available in surgical steel;
- 2.0 mm diameter.

Tapered Drills
- Available in surgical steel;
- Drill sequence for Helix GM® and Drive GM® Implants.

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Short 31 mm</th>
<th>Regular 35 mm</th>
<th>Long 43 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 2.0</td>
<td>103.400</td>
<td>103.399</td>
<td>103.401</td>
</tr>
<tr>
<td>Ø 3.5</td>
<td>103.403</td>
<td>103.402</td>
<td>103.404</td>
</tr>
<tr>
<td>Ø 3.75</td>
<td>103.406</td>
<td>103.405</td>
<td>103.407</td>
</tr>
<tr>
<td>Ø 4.0</td>
<td>103.409</td>
<td>103.408</td>
<td>103.410</td>
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<tr>
<td>Ø 4.3</td>
<td>103.412</td>
<td>103.411</td>
<td>103.413</td>
</tr>
<tr>
<td>Ø 5.0</td>
<td>103.415</td>
<td>103.414</td>
<td>103.415</td>
</tr>
<tr>
<td>Ø 6.0</td>
<td>103.417</td>
<td>103.416</td>
<td>103.417</td>
</tr>
</tbody>
</table>

GM Tapered Contour Drills
- For preparing the implant bed in bone types I and II for Helix GM® Implants.

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Short 31 mm</th>
<th>Regular 35 mm</th>
<th>Long 43 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 3.5+</td>
<td>103.419</td>
<td>103.420</td>
<td>103.421</td>
</tr>
<tr>
<td>Ø 3.75+</td>
<td>103.422</td>
<td>103.423</td>
<td>103.424</td>
</tr>
<tr>
<td>Ø 4.0+</td>
<td>103.425</td>
<td>103.426</td>
<td>103.427</td>
</tr>
<tr>
<td>Ø 4.3+</td>
<td>103.428</td>
<td>103.429</td>
<td>103.430</td>
</tr>
<tr>
<td>Ø 5.0+</td>
<td>103.431</td>
<td>103.432</td>
<td>103.433</td>
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</tbody>
</table>

Pilot Drills
- Available in surgical steel;
- Increasing the surgical alveolus diameter ridge, easing the penetration of the next drill or the implant.

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Short 31 mm</th>
<th>Regular 35 mm</th>
<th>Long 43 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 2/3</td>
<td>103.213</td>
<td>103.214</td>
<td>103.215</td>
</tr>
<tr>
<td>Ø 2.8/3.5</td>
<td>103.216</td>
<td>103.217</td>
<td>103.218</td>
</tr>
<tr>
<td>Ø 3/3.75</td>
<td>103.219</td>
<td>103.220</td>
<td>103.221</td>
</tr>
<tr>
<td>Ø 3.3/4</td>
<td>103.222</td>
<td>103.223</td>
<td>103.224</td>
</tr>
<tr>
<td>Ø 3.6/4.3</td>
<td>103.225</td>
<td>103.226</td>
<td>103.227</td>
</tr>
<tr>
<td>Ø 4.3/5</td>
<td>103.228</td>
<td>103.229</td>
<td>103.230</td>
</tr>
<tr>
<td>Ø 3.8/4.3</td>
<td>103.231</td>
<td>103.232</td>
<td>103.233</td>
</tr>
<tr>
<td>Ø 5.3/6</td>
<td>103.234</td>
<td>103.235</td>
<td>103.236</td>
</tr>
</tbody>
</table>

Twist Drills
- Available in surgical steel;
- Drill sequence for Titamax GM® Implants.

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Short 31 mm</th>
<th>Regular 35 mm</th>
<th>Long 43 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 2.0</td>
<td>103.222</td>
<td>103.223</td>
<td>103.224</td>
</tr>
<tr>
<td>Ø 2.8</td>
<td>103.225</td>
<td>103.226</td>
<td>103.227</td>
</tr>
<tr>
<td>Ø 3.0</td>
<td>103.162</td>
<td>103.163</td>
<td>103.164</td>
</tr>
<tr>
<td>Ø 3.3</td>
<td>103.166</td>
<td>103.167</td>
<td>103.168</td>
</tr>
<tr>
<td>Ø 3.8</td>
<td>103.228</td>
<td>103.229</td>
<td>103.230</td>
</tr>
<tr>
<td>Ø 4.3</td>
<td>103.231</td>
<td>103.232</td>
<td>103.233</td>
</tr>
</tbody>
</table>
**GM Height Measurer**
- Available in titanium;
- For selecting GM prosthetic abutments;
- Marks corresponding to transmucosa heights.
- Can be used as X-Ray Positioner.

<table>
<thead>
<tr>
<th>Height (mm)</th>
<th>Code</th>
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<tbody>
<tr>
<td>0.8</td>
<td>128.019</td>
</tr>
<tr>
<td>2.5</td>
<td>128.020</td>
</tr>
<tr>
<td>3.5</td>
<td>128.021</td>
</tr>
<tr>
<td>4.5</td>
<td>128.022</td>
</tr>
<tr>
<td>5.5</td>
<td>128.023</td>
</tr>
</tbody>
</table>

**GM Implant Driver - Contra-Angle**
- To capture the implant directly from the packaging;
- To place GM implants with contra-angle, or attached to a manual driver for contra-angle connections (104.028) 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 35 N.cm.

**GM Implant Driver - Torque Wrench**
- To place GM 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 60 N.cm.

**Drill Extension**
- Available in surgical steel;
- Fit the drill directly into the Drill Extension.

**Direction Indicators**
- Available in titanium;
- Instrument to guide the implant position;
- Diameter of central band corresponds to GM Implant diameter;
- Smaller side to be used after Ø2.0mm drill;
- Larger side to be used after the last drill before implant installation.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.8/3.5</td>
<td>128.019</td>
</tr>
<tr>
<td>3.0/3.75</td>
<td>128.020</td>
</tr>
<tr>
<td>3.3/4.0</td>
<td>128.021</td>
</tr>
<tr>
<td>3.6/4.3</td>
<td>128.022</td>
</tr>
<tr>
<td>4.3/5.0</td>
<td>128.023</td>
</tr>
</tbody>
</table>
Manual Implant Drivers

- Available in surgical steel;
- For Contra-angle connections: connected to GM Implant Driver, it becomes a manual driver for implant placement.
- For Torque Wrench connections: connected to screwdrivers, it provides manual torque.

Neo Screwdriver Torque Connection - Torque Wrench

- Available in surgical steel;
- Yellow color for line identification.
- Long Neo Screwdriver Torque Connection - Wrench (105.134) recommended for Impression Copings and Copings for screw-retained prostheses.

Neo Screwdriver Torque Connection - Contra-angle

- Available in surgical steel;
- Yellow color for line identification;
- Medium Neo Screwdriver Torque Connection - Contra-angle (105.136) recommended for Impression Copings and Copings for screw-retained prostheses.
- Extra Short Neo Screwdriver Torque Connection - Contra-angle (105.148) recommended for Impression Copings, Cover Screws and Healing Abutments.

Hexagonal Prosthetic Driver

- Available in surgical steel;
- To install and apply torque over straight GM Mini Conical Abutments and GM Micro Abutments;
- Yellow color for line identification;
- Hexagonal Prosthetic Driver for Contra-angle: to install GM Mini Conical Abutment (straight).
Angled Solution Screwdriver for Contra-angle

- To place GM Titanium Bases for Angled Solution with contra-angle;
- Maximum torque of 20 N.cm.

<table>
<thead>
<tr>
<th></th>
<th>Short 20 mm</th>
<th>Regular 26 mm</th>
<th>Long 32 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>105.147</td>
<td>105.148</td>
<td>105.149</td>
</tr>
</tbody>
</table>

Angled Solution Screwdriver for Torque Wrench

- To place GM Titanium Bases for Angled Solution with torque wrench;
- Maximum torque of 20 N.cm.

<table>
<thead>
<tr>
<th></th>
<th>Short 16.5 mm</th>
<th>Regular 22.5 mm</th>
<th>Long 28.5 mm</th>
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<tbody>
<tr>
<td></td>
<td>105.150</td>
<td>105.151</td>
<td>105.152</td>
</tr>
</tbody>
</table>

GM Bone Profile Drill with Guide

- Available in surgical steel;
- Used in the surgical second step;
- Conforms the bone around the implant platform, preparing the emergence profile to be suitable to prosthetic components.
**Angle Measurer for Drill 2.0**
- Available in titanium;
- Angles: 17° and 30°;
- To select and plan the abutments angulation during surgical procedures;
- Suggested use: after Twist Drill 2.0.

**GM Angle Measurer**
- Available in titanium;
- Angles: 17° and 30°;
- To a more accurate selection and planning of the abutments angulation during the prosthetic phase.

**Torque Wrench**
- Available in surgical steel;
- Fitting for square connections;
- Collapsible Wrench that allows for proper assembly cleaning;
- For full instructions see page 107.
Increasing expectations for shortened treatment duration represent a significant challenge for dental professionals especially in patients with anatomical deficiencies. The Neodent® Implant System offers an optimized solution for immediate fixed treatment protocols in edentulous patients even with severe atrophic maxilla. Neodent® NeoArch® allows to significantly improve patient satisfaction and quality of life by immediately restoring function and esthetics.
Immediate function resulting in shorter treatment times.
- Different implants techniques to minimize the use of grafting procedures[11].
- Optimized implant design to achieve high primary stability in all bone types[12].

Immediate natural-looking esthetics with versatile restorative options.
- A broad gingival height abutment range to cater the patient’s needs.
- Options of straight and angled abutments (17°, 30° and 45°).

Immediate peace of mind thanks to a stable foundation.
- One connection regardless of the diameters.
- Unique connection combining Platform Switching associated with a deep 16° Morse taper including an internal indexation.

SOLUTIONS FOR ALL CLINICAL NEEDS

A implant system designed for predictable immediate treatments in all bone types even with different conditions of the residual alveolar bone.
Helix GM® Long

PRODUCT FEATURES:

Implants Description:
• Dual tapered implant;
• Hybrid contour with a cylindrical coronal part and conical on the apical area;
• Active apex including a soft rounded small tip and helicoidal flutes;
• Dynamic progressive thread design: from compressing trapezoidal threads on the coronal area to self-tapping threads on the apical part;
• Double lead threaded implant;
• Holder integrated to the implant body;
• Neoporos surface;
• Grand Morse® connection.

Indications:
• Indicated for surgical intraoral installation, in bone types III/IV for cases of total or partial edentulism and for multiple-unit prostheses.

Drilling features:
• For infraosseous positioning it is recommended to add 1 to 2 mm in length to the implant during surgical instrumentation.
• Drilling speed: 500-800 rpm;
• Implant insertion speed: 30 rpm;
• Maximum torque for implant placement: 60 N.cm.

Available with:
Neoporos®
Drill Sequence

<table>
<thead>
<tr>
<th>Ø 3.75 mm</th>
<th>Ø 4.0 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optional</td>
<td>Optional</td>
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</tbody>
</table>

Bone types III and IV

The procedure can be with Guided Surgery. Check the instruments for more information.

**Helix GM® Long implants**

<table>
<thead>
<tr>
<th>Length (mm)</th>
<th>NeoPoros</th>
<th>NeoPoros</th>
<th>NeoPoros</th>
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<tr>
<td>22.5</td>
<td>109.1046</td>
<td>109.1047</td>
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</table>

**GM Healing Abutment**

<table>
<thead>
<tr>
<th>Profile</th>
<th>0.8 mm</th>
<th>1.5 mm</th>
<th>2.5 mm</th>
<th>3.5 mm</th>
<th>4.5 mm</th>
<th>5.5 mm</th>
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<tbody>
<tr>
<td>Ø 3.3</td>
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<td>108.208</td>
<td>108.209</td>
<td>108.210</td>
<td>108.211</td>
<td>108.212</td>
</tr>
<tr>
<td>Ø 4.5</td>
<td>108.213</td>
<td>108.214</td>
<td>108.215</td>
<td>108.216</td>
<td>108.217</td>
<td>108.218</td>
</tr>
</tbody>
</table>

- Use the manual Neo Screwdriver (104.060).
- Do not exceed the insertion torque of 10 N.cm.

**GM Customizable Healing Abutments**

<table>
<thead>
<tr>
<th>Profile</th>
<th>1.5 mm</th>
<th>2.5 mm</th>
<th>3.5 mm</th>
<th>4.5 mm</th>
<th>5.5 mm</th>
<th>6.5 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 5.5</td>
<td>108.223</td>
<td>108.224</td>
<td>108.225</td>
<td>108.226</td>
<td>108.227</td>
<td>108.228</td>
</tr>
<tr>
<td>Ø 7.0</td>
<td>108.233</td>
<td>108.234</td>
<td>108.235</td>
<td>108.236</td>
<td>108.237</td>
<td>108.238</td>
</tr>
</tbody>
</table>

**GM Cover Screw**

<table>
<thead>
<tr>
<th>Length (mm)</th>
<th>0 mm</th>
<th>2 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>117.021</td>
<td>117.022</td>
</tr>
</tbody>
</table>

- Use the manual Neo Screwdriver (104.060).
- Do not exceed the insertion torque of 10 N.cm.
Zygoma GM™

PRODUCT FEATURES:

Implants Description:
• Hybrid contour with a cylindrical coronal part and conical on the apical area;
• The apex has a conical profile with a spherical tip and three equally spaced helical flutes;
• Trapezoidal thread and progressive increase of the thread depth at the apical portion;
• Tissue Protect: portion without threads, near the cervical region, indexed to the hexagon face;
• Holder integrated to the implant body;
• Neoporos surface;
• Grand Morse® connection.

Indications:
• Indicated for surgical procedures in the posterior region of the maxilla and in the zygoma, in cases of severe maxilla resorption. Zygomatic Implants may be used in immediate loading procedures when there is good primary stability and appropriate occlusal loading.

Drilling features:
• Drilling speed: 800-1200 rpm;
• Lateral Direction Drill speed: 600-800 rpm;
• Implant insertion speed: 30 rpm;
• Maximum torque for implant placement: 60 N.cm.
The procedure can start guided. Check the instruments for more information.

Zygoma GM™ Implants

<table>
<thead>
<tr>
<th>Ø 4.0 mm</th>
<th>30.0 mm</th>
<th>35.0 mm</th>
<th>37.5 mm</th>
<th>40.0 mm</th>
<th>42.5 mm</th>
<th>45.0 mm</th>
<th>47.5 mm</th>
<th>50.0 mm</th>
<th>52.5 mm</th>
<th>55.0 mm</th>
</tr>
</thead>
</table>

GM Cover Screw

- Use the manual Neo Screwdriver (104.060).
- Do not exceed the insertion torque of 10 Ncm.
GM Mini Conical Abutment

Consider in addition 1.5 - 2.0 mm for the restorative material.
Minimum interocclusal space of 4.5 mm from the mucosa level for straight abutments.

- **Accessories**
  - Mini Conical Abutment Polishing Protector
  - Replacement Coping Screw
  - Titanium
## Workflow Options

### Intraoral
- **GM Mini Conical Abutment Scanbody**
  - GM Mini Conical Abutment
    - 0.8 mm: 115.243
    - 1.5 mm: 115.244
    - 2.5 mm: 115.245
    - 3.5 mm: 115.246
    - 4.5 mm: 115.247
    - 5.5 mm: 115.248

### Model Scanning
- **Slim Mini Conical Abutment Open Tray Impression Coping**
  - GM Mini Conical Abutment Scanbody
  - Neo Mini Conical Abutment
    - One Step Hybrid Coping
    - Titanium Coping
    - CoCr Coping
  - 20 N.cm

### Conventional
- **Neo Conical Abutment Protection Cylinder**
  - Neo Mini Conical Abutment
    - Protection Cylinder
    - CoCr Coping
    - Titanium Coping
    - 20 N.cm

*The 45° Mini Conical Abutment is indicated for use only with Helix GM® Long and Zygoma GM™.*
Measurements GM Mini Conical Abutment

- **17°**
- **30°**
- **45°**

*The 45° Mini Conical Abutment is indicated for use only with Helix GM® Long and Zygoma GM™.*
NeoArch® Kits
Helix GM® Long Compact Surgical Kit

Autoclavable polymer case.

Articles

- 110.300: Helix GM® Long Compact Surgical Kit Case
- 103.395: Guided Surgery Drill 1.3mm
- 125.100: Guided Surgery Guide Clamp
- 125.140: Drill Guide For NGS Helix GM® Long 2.0/2.35mm
- 125.141: Drill Guide For NGS Helix GM® Long 3.75/4.0mm
- 103.460: Twist Drill For NGS Helix GM® Long 2.35mm
- 103.461: Twist Drill For NGS Helix GM® Long 3.75mm
- 103.462: Twist Drill For Helix GM® Long 2.35mm
- 103.463: Twist Drill For Helix GM® Long 3.75mm
- 103.464: Twist Drill For Helix GM® Long 4.0mm
- 129.021: Helix GM® Long X-ray Positioner
- 128.032: GM Angle Measurer 17º
- 128.033: GM Angle Measurer 30º
- 128.034: GM Angle Measurer 45º
- 105.143: Regular Guided Surgery GM Connection for Torque Wrench
- 105.140: Regular Guided Surgery GM Connection - Contra-angle
- 104.060: Neo Manual Screwdriver (medium)
- 105.129: GM Implant Driver - Torque Wrench [short]
- 105.131: GM Implant Driver - Contra-angle
- 104.050: Torque Wrench

Note: Items that compose Neodent® Kits are sold separately.
Zygoma GM™ Surgical Kit

Autoclavable polymer case.

Articles

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<tr>
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<td>Zygoma GM™ Surgical Kit Case</td>
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<tr>
<td>103.395</td>
<td>Guided Surgery Drill 1.3mm</td>
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<tr>
<td>125.100</td>
<td>Guided Surgery Guide Clamp</td>
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<td>125.139</td>
<td>Drill Guide For Ngs Zygoma GM™ 2.35mm</td>
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<td>Twist Drill For Ngs Zygoma GM™ 2.35mm</td>
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<td>Lateral Direction Drill For Zygoma GM™ 4.0mm</td>
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<td>103.465</td>
<td>Pilot Twist Drill For Zygoma GM™ 2.3/3.2mm</td>
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<tr>
<td>104.063</td>
<td>Zygoma GM™ Installation Driver</td>
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<td>Zygoma GM™ Probe 2.35mm</td>
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<td>GM Angle Measurer 17º</td>
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<td>128.033</td>
<td>GM Angle Measurer 30º</td>
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<td>128.034</td>
<td>GM Angle Measurer 45º</td>
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<td>GM Height Measurer</td>
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<td>Neo Manual Screwdriver (medium)</td>
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<td>105.129</td>
<td>GM Implant Driver – Torque Wrench (short)</td>
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<td>GM Implant Driver – Contra-angle</td>
</tr>
<tr>
<td>104.050</td>
<td>Torque Wrench</td>
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</table>

Note: Items that compose Neodent® Kits are sold separately.
NeoArch® Instruments
**Helix GM® Long Drills**
- Available in surgical steel;
- Drill sequence for Helix GM® Long implants.

<table>
<thead>
<tr>
<th>Initial</th>
<th>Ø 2.35</th>
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<th>Ø 4.0</th>
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<td>103.462</td>
<td>103.463</td>
<td>103.464</td>
</tr>
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</table>

**Helix GM® Long Drills for Guided Surgery**
- Available in surgical steel;
- Drill sequence for Helix GM® Long implants on Guided Surgery.

<table>
<thead>
<tr>
<th>Ø 2.35</th>
<th>Ø 3.75</th>
<th>Ø 4.0</th>
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<td>103.459</td>
<td>103.460</td>
<td>103.461</td>
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**Zygoma GM™ Drills**
- Available in surgical steel;
- Drill sequence for Zygoma GM™ implants.

<table>
<thead>
<tr>
<th>Ø 2.35</th>
<th>Ø 2.35</th>
<th>Pilot Ø 2.3/3.2</th>
<th>Ø 3.75</th>
<th>Ø 4.0</th>
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<td>103.456</td>
<td>103.457</td>
<td>103.458</td>
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</tr>
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</table>

**Zygoma GM™ Lateral Direction Drill**
- Available in surgical steel;
- Spherical tip with guide pin and helical blades for preparing the site for the implant placement in the exteriorized technique.

<table>
<thead>
<tr>
<th>Ø 4.0</th>
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</thead>
<tbody>
<tr>
<td>103.458</td>
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</tbody>
</table>

**Zygoma GM™ Drill for Guided Surgery**
- Available in surgical steel;
- After using the first drill, the surgical guide must be removed and the conventional protocol must be started.

<table>
<thead>
<tr>
<th>Ø 2.35</th>
</tr>
</thead>
<tbody>
<tr>
<td>103.454</td>
</tr>
</tbody>
</table>
GM Height Measurer
- Available in titanium;
- For selecting GM prosthetic abutments;
- Marks corresponding to transmucosa heights;
- Can be used as X-Ray Positioner.

GM Implant Driver - Contra-Angle
- To capture the implant directly from the packaging;
- To place GM Implants with contra-angle, or attached to a manual driver for contra-angle connections (104.028) 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 35 N.cm.

GM Implant Driver - Torque Wrench
- To place GM 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: 60 N.cm.

Neo Screwdriver Torque Connection - Torque Wrench
- Available in surgical steel;
- Yellow color for line identification.
- Long Neo Screwdriver Torque Connection - Wrench (105.134) recommended for Impression Copings and Copings for screw-retained prostheses.

Neo Screwdriver
- Available in surgical steel;
- Yellow color for line identification.
- Long Neo Manual Screwdriver (104.059) recommended for Impression Copings and Copings for screw-retained prostheses.
Neo Screwdriver Torque Connection - Contra-angle
- Available in surgical steel;
- Yellow color for line identification;
- Medium Neo Screwdriver Torque Connection - Contra-angle (105.136) recommended for Impression Copings and Copings for screw-retained prostheses;
- Extra Short Neo Screwdriver Torque Connection - Contra-angle (105.146) recommended for Impression Copings, Cover Screws and Healing Abutments.

<table>
<thead>
<tr>
<th>Length</th>
<th>Extra Short</th>
<th>Short</th>
<th>Medium</th>
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<tbody>
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<td>105.138</td>
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<td></td>
</tr>
<tr>
<td>31 mm</td>
<td></td>
<td></td>
<td>105.138</td>
</tr>
</tbody>
</table>

Hexagonal Prosthetic Driver
- Available in surgical steel;
- To install and apply torque over straight GM Mini Conical Abutments and GM Micro Abutments;
- Yellow color for line identification;
- Hexagonal Prosthetic Driver for Contra-angle to install GM Mini Conical Abutment (straight).

<table>
<thead>
<tr>
<th>Cone Angle</th>
<th>Hexagonal Prosthetic Driver</th>
</tr>
</thead>
<tbody>
<tr>
<td>17°</td>
<td>105.137</td>
</tr>
<tr>
<td>30°</td>
<td>105.138</td>
</tr>
<tr>
<td>45°</td>
<td></td>
</tr>
</tbody>
</table>

GM Bone Profile Drill with Guide
- Available in surgical steel;
- Used in the surgical second step;
- Conforms the bone around the implant platform, preparing the emergence profile to be suitable to prosthetic components.

GM Angle Measurer
- Available in titanium;
- Angles: 17°, 30° and 45°;
- To a more accurate selection and planning of the abutments angulation during the prosthetic phase.

<table>
<thead>
<tr>
<th>Angle</th>
<th>GM Angle Measurer</th>
</tr>
</thead>
<tbody>
<tr>
<td>17°</td>
<td>128.032</td>
</tr>
<tr>
<td>30°</td>
<td>128.033</td>
</tr>
<tr>
<td>45°</td>
<td>128.034</td>
</tr>
</tbody>
</table>
Helix GM® Long Drill Guide for Guided Surgery
- Instrument with the purpose of guiding the drills during the bone bed preparation according to the guided surgery technique.

Zygoma GM™ Drill Guide for Guided Surgery
- Instrument with the purpose of starting the Zygomatic Surgery guided.

Guided Surgery Drill 1.3 and Guide Clamp
- Drill available in surgical steel;
- Guide Clamp available in titanium;
- For initial fixation of the surgical guide.

Guided Surgery GM Connection - Contra-Angle
- Available in stainless steel;
- To start the implant placement through the surgical guide.

Guided Surgery GM Connection - Torque Wrench
- Available in stainless steel;
- To finish the implant placement through the surgical guide.
Helix GM® Long X-ray Positioner
:: Indicated for evaluation of the osteotomy depth in the implant placement procedure.

Zygoma GM™ Probes
:: Available in Stainless Steel;
:: The probe for the drill Ø2.35 mm has a tip design in L;
:: The probe for the drill Ø4.0 mm has a tip with a design similar to the apex of the drill that allows identifying the correct drilling depth for implant anchorage.

Zygoma GM™ Installation Driver
:: Instrument for application of manual torque.

Torque Wrench
:: Available in surgical steel;
:: Fitting for square connections;
:: Collapsible Wrench that allows for proper assembly cleaning;
:: For full instructions see page 107.
Patients’ expectations regarding tooth replacement are increasing and are even higher when it comes to treatment duration and esthetic outcomes. The Neodent® Guided Surgery helps clinicians to provide prosthetically driven treatments, enabling them to perform immediate protocols with peace of mind, fulfilling patients’ expectations.
Improve patient quality of life.
- Functional with an immediate fixed restoration.
- Esthetical with a personalized restoration and less bone remodeling \(^{(13)}\).
- Comfort by the reduction of operative and postoperative discomfort (e.g., reduced patient chair time).

Access to more treatment options.
- Reliable access to flapless surgery \(^{(14-16)}\).
- Designed to reduce bone grafting procedures.
- Predictable immediate protocols.

Increase patient acceptance.
- Better communication building trust with patients.
- Reliable treatment estimates from root to tooth including components and procedures.

SURGICAL PREDICTABILITY AND EFFICIENCY WITH A LIMITLESS SOLUTION.
Guided surgery is designed to reduce chair time and postoperative discomfort. It helps increasing implant positioning accuracy \(^{(17)}\).
Neodent® Guided Surgery Kit
Grand Morse® Guided Surgery Surgical Kit

Autoclavable polymer case.
The Kit allows the use of Helix GM® and Drive GM® Implants in the Guided Surgery technique.

Articles

- GM Guided Surgery Surgical Kit Case
- Guided Surgery 1.3
- Guided Surgery Guide Clamp
- Narrow Guided Surgery Punch - Contra-Angle
- Regular Guided Surgery Punch - Contra-Angle
- Wide Guided Surgery Punch - Contra-Angle
- Guided Surgery Drill 2.0
- Tapered Guided Surgery Drill 3.5*
- Tapered Guided Surgery Drill 3.75*
- Tapered Guided Surgery Drill 4.0*
- Tapered Guided Surgery Drill 4.3*
- Tapered Guided Surgery Drill 5.0*
- Narrow Guided Surgery GM Pilot Drill 3.5
- Regular Guided Surgery GM Pilot Drill 3.5
- Guided Surgery GM Pilot Drill 3.75
- Guided Surgery GM Pilot Drill 4.0
- Guided Surgery GM Pilot Drill 4.3
- Guided Surgery GM Pilot Drill 5.0
- Narrow Guided Surgery GM Connection - Contra-angle
- Regular Guided Surgery GM Connection - Contra-angle
- Wide Guided Surgery GM Connection - Contra-angle
- Narrow Guided Surgery GM Connection for Torque Wrench
- Regular Guided Surgery GM Connection for Torque Wrench
- Wide Guided Surgery GM Connection for Torque Wrench
- Narrow Guided Surgery GM Guide Stabilizer
- Regular Guided Surgery GM Guide Stabilizer
- Wide Guided Surgery GM Guide Stabilizer
- Narrow Guided Surgery GM Guide Stabilizer (Long)
- Regular Guided Surgery GM Guide Stabilizer (Long)
- Guided Surgery GM H11 Connection for Torque Wrench
- Neo Screwdriver Torque Connection - Contra-angle (Medium)
- Neo Manual Screwdriver (Medium)
- Tapered Contour Guided Surgery Drill 3.5*
- Tapered Contour Guided Surgery Drill 3.75*
- Tapered Contour Guided Surgery Drill 4.0*
- Tapered Contour Guided Surgery Drill 4.3*
- Tapered Contour Guided Surgery Drill 5.0*
- Narrow Guided Surgery GM Pilot Drill 3.5
- Regular Guided Surgery GM Pilot Drill 3.5
- Guided Surgery GM Pilot Drill 3.75
- Guided Surgery GM Pilot Drill 4.0
- Guided Surgery GM Pilot Drill 4.3
- Guided Surgery GM Pilot Drill 5.0
- Narrow Guided Surgery Drill Guide 2.0/3.5
- Regular Guided Surgery Drill Guide 2.0/3.5
- Regular Guided Surgery Drill Guide 3.75/4.0
- Regular Guided Surgery Drill Guide 4.3
- Wide Guided Surgery Drill Guide 2.0/3.5
- Wide Guided Surgery Drill Guide 4.0/4.3
- Wide Guided Surgery Drill Guide 5.0/6.0
- Narrow Tapered Contour Guided Surgery Drill Guide 3.5
- Regular Tapered Contour Guided Surgery Drill Guide 3.5/3.75
- Regular Tapered Contour Guided Surgery Drill Guide 4.0/4.3
- Wide Tapered Contour Guided Surgery Drill Guide 5.0
- Titanium Tweezers
- Torque Wrench

Note: Items that compose Neodent® Kits are sold separately.
*Conventional guided surgery drills that can be replaced by the respective short version.
Neodent® Guided Surgery Instruments
Guided Surgery Tapered Contour Drills
- Available in surgical steel;
- Drill sequence for Helix GM® and Drive GM® Implants in the guided surgery technique;
- Fully guided technique with Short Drills indicated for 8, 10 or 11.5 mm long implants.

<table>
<thead>
<tr>
<th>Ø 3.5+</th>
<th>Ø 3.75+</th>
<th>Ø 4.0+</th>
<th>Ø 4.3+</th>
<th>Ø 5.0+</th>
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<tr>
<td>103.482</td>
<td>103.483</td>
<td>103.484</td>
<td>103.485</td>
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</table>

Guided Surgery GM Pilot Drills
- Available in surgical steel;
- Color-coded according to the sleeve diameter;
- Recommended for Helix GM® in bone types I or II;
- Optional Drive GM® in bone types III or IV.

<table>
<thead>
<tr>
<th>Ø 3.5</th>
<th>Ø 3.75</th>
<th>Ø 4.0</th>
<th>Ø 4.3</th>
<th>Ø 5.0</th>
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<tr>
<td>Wide 103.449</td>
<td>103.449</td>
<td>103.449</td>
<td>103.449</td>
<td>103.449</td>
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</table>
Guided Surgery GM Connection - Contra-Angle

:: Available in stainless steel;
:: Color-coded according to the sleeve diameter;
:: To start the implant placement through the surgical guide.

Guided Surgery GM Connection - Torque Wrench

:: Available in stainless steel;
:: Color-coded according to the sleeve diameter;
:: To finish the implant placement through the surgical guide.

Guided Surgery Punch - Contra-Angle

:: Available in titanium;
:: Color-coded according to the sleeve diameter;
:: To remove the mucosa before beginning the osteotomy.

Guided Surgery Drill Guides

:: Available in titanium and stainless steel;
:: Color-coded according to the sleeve diameter;
:: To fit in the sleeve in the surgical guide;
:: To be used with correspondent drill diameter and type.

Guided Surgery GM Connection - Contra-Angle

:: Available in stainless steel;
:: Color-coded according to the sleeve diameter;
:: To start the implant placement through the surgical guide.

Guided Surgery GM Connection - Torque Wrench

:: Available in stainless steel;
:: Color-coded according to the sleeve diameter;
:: To finish the implant placement through the surgical guide.
Guided Surgery GM H 11 Connection - Torque Wrench

:: Available in stainless steel;
:: To finish the implant placement through the surgical guide;
:: To be used when the H11 sleeve height is chosen.

Guided Surgery Guide Stabilizers

:: Available in titanium;
:: Color-coded according to the sleeve diameter;
:: Additional fixation of the surgical guide.

Guided Surgery Guide Stabilizers - Long

:: Available in titanium;
:: Additional fixation of the surgical guide;
:: To be used when the H11 sleeve height is chosen.

Sleeves for Neodent® Guided Surgery System

Available in titanium;
Sold in bags with 10 units each.

Sleeve for Narrow Guided Surgery System

Sleeve for Regular Guided Surgery System

Sleeve for Wide Guided Surgery System

Sleeve of Setter for Guided Surgery System
Neodent® Techniques
Posterior Implant Solution

Immediate placement in challenging post extraction sockets;
Immediate implant placement with optimized wide implant design:
  • Designed to achieve high primary stability in wide post extraction sockets;
  • Grand Morse® Helix® – the Unbeatable Versatility.
Deliver natural-looking esthetics thanks to an optimized wide emergence profile design:
  • A wide customizable healing abutment was designed to maintain the molar emergence profile;
  • Consistent emergence profile for excellent esthetics outcomes.
Drill Sequence Helix GM® Ø 6.0

<table>
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<tr>
<th>Ø 2.0</th>
<th>Ø 3.5</th>
<th>Ø 3.75</th>
<th>Ø 4.3</th>
<th>Ø 5.0</th>
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<td>103.402</td>
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Optional

Bone types III and IV

Helix GM® Ø 6.0 Implants

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<th>Ø 6.0</th>
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<th>10.0 mm</th>
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GM Customizable Healing Abutment

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</thead>
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<td>GH</td>
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<td>2.5 mm</td>
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<td>6.5 mm</td>
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GM Exact Titanium Base

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<tbody>
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<td>GH</td>
<td>0.8 mm</td>
<td>135.284</td>
</tr>
<tr>
<td></td>
<td>1.5 mm</td>
<td>135.285</td>
</tr>
<tr>
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<tr>
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<td>4.5 mm</td>
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<tr>
<td>GH</td>
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</tr>
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<td>1.5 mm</td>
<td>135.320</td>
</tr>
<tr>
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<td>4.5 mm</td>
<td>135.323</td>
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GM Titanium Base Burn-out Coping

<table>
<thead>
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<tbody>
<tr>
<td>4 mm</td>
</tr>
<tr>
<td>6 mm</td>
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</table>
One Step Hybrid Technique

Technique that allows passive fitting, with no need for welding as the titanium coping is cemented to the substructure. Used for multiple prostheses and reduces laboratory work times.
Neo Mini Conical Abutment One Step Hybrid Copings
- For installation, use the Neo Torque Connection (105.132);
- For torque control, use Torque Wrench (104.050).

Neo Micro Conical Abutment One Step Hybrid Copings
- For installation, use the Neo Torque Connection (105.132);
- For torque control, use Torque Wrench (104.050).

Neo Working Screw One Step Hybrid
- For laboratory use.

<table>
<thead>
<tr>
<th></th>
<th>Burn-out</th>
<th>Brass</th>
<th>Titanium</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neo Mini Conical</td>
<td>118 340</td>
<td>118 331</td>
<td>118 330</td>
</tr>
<tr>
<td>Neo Micro Conical</td>
<td>118 341</td>
<td>118 333</td>
<td>118 332</td>
</tr>
<tr>
<td>Neo Working Screw</td>
<td></td>
<td></td>
<td>118 271</td>
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</table>
Demonstration Sequence

1. Regularize the alveolar ridge.
2. Surgical drilling completed, obtaining adequate distance from distal implant in relation to the mental foramen with 7 mm Space Planning Instrument.
3. Placement of 4 Neodent® implants, according to their indication.
4. Placement of corresponding Neodent® Abutments.
5. Placement of Impression Copings, splinted with acrylic resin.
6. Positioning of Multifunctional Guide to obtain intermaxillary correlation. Soft silicone is injected to take the soft tissue impression.
8. Working model with artificial gum.
9. Burn-out One Step Hybrid Coping, Brass One Step Hybrid Coping, grooved Titanium One Step Hybrid Coping. The last one with lower dimensions than the brass one, which compensates using the mill.
Brass Copings are placed over analogs, then Burn-out Copings are fixed by working screws.

Castable ring with waxed framework.

Cast framework.

Place the framework over the stone model.

Please note cementing area.

Cementing with Panavia the structure over the titanium copings.

Final inside-mouth view.
Distal Bar Technique

Technique used to ease mandible rehabilitation, through a provisional hybrid type prostheses supported by implants.

Neo Distal Bar Coping
- Available in titanium;
- Retainers to ease joining with acrylic resin;
- Recommended torque: 10 N.cm;
- For torque, use Neo Screwdriver (105.132)

Neo Distal Bar
- Recommended for distal Implants to reinforce the cantilever.

Polishing Protector
- Available in surgical steel;
- Protection for the lab polishing.
Demonstration Sequence

1. Neodent® Abutments placed.

2. Prosthesis wearing, keeping posterior region integrity.

3. Place the copings into the central Implants and Distal Bar to distal Implants.

4. Proof of inferior prostheses wearing (centered occlusion position, no interference on copings).

5. Placement of rubber dam over copings to protect soft tissues.

6. Apply selfpolymerizing acrylic resin on and between the copings.

7. Apply to worn area in lower prosthesis, repositioning inside mouth. Keep patient in occlusion until total polymerization.

8. Remove the inferior prosthesis after resin is polymerized. Copings already captured.


10. Placed provisional implant supported prosthesis.

11. Final inside-mouth posterior view.
Digital Solutions
Neodent® Scanbodies can be used for scanning and digitalization of the patient or model providing accuracy in determining the analog position.

Visit [www.neodent.com/cadcam](http://www.neodent.com/cadcam) to download the digital files to work with Neodent® Titanium Bases, Titanium Blocks, Abutments, Mini Conical Abutments, Micro Abutments, Universal Abutments, One Step Hybrid Copings, Scanbodies and Hybrid Repositionable Analogs. Libraries are available for the following companies: exocad GmbH, Amann Girrbach AG Inc, Dental Wings Inc and 3Shape A/S.

### Scanbody

Neodent® Scanbodies can be used for scanning and digitalization of the patient or model providing accuracy in determining the analog position.

GM Exact Implant Intraoral Scanbody
GM Exact Implant Scanbody (for model)
GM Mini Conical Abutment Scanbody (intraoral and model)
GM Micro Abutment (intraoral and model)
GM Abutment (intraoral and model)

### Hybrid Repositionable Analog

Neodent® Hybrid Repositionable Analogs can be used in prototyped models, produced by 3D printers, or conventional plaster models.

GM Hybrid Repositionable Analog 3.5/3.75
GM Hybrid Repositionable Analog 4.0/4.3
GM Hybrid Repositionable Analog 5.0/6.0
Micro Abutment Hybrid Repositionable Analog
Mini Conical Abutment Hybrid Repositionable Analog
Universal Abutment Hybrid Repositionable Analog 3.3X4
Universal Abutment Hybrid Repositionable Analog 3.3X6
Universal Abutment Hybrid Repositionable Analog 4.5X4
Universal Abutment Hybrid Repositionable Analog 4.5X6
GM Abutment Hybrid Repositionable Analog

Compatible with Neo Screwdriver
General Instruments
Torque Wrench

- Available in surgical steel;
- Fitting for square connections;
- Collapsible Wrench that allows for proper assembly cleaning.

Operation Instructions

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

Depth Probe
- Available in titanium;
- To probe preparations and analyze depth;
- Millimeter scale for checking during procedures.

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

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

Columbia Retractor
- Available in surgical steel;
- Rounded edges to minimize surgical trauma.
Scapel Handle
- Available in surgical steel;
- For standard scalpel blade use;
- Blade not included.

Bivers Handle
- Available in surgical steel;
- Non-traumatic extraction for implant placement;
- Similar to a periotome.

Concave Osteotome
- Available in surgical steel;
- Concave active cutting bit for nontraumatic 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.

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

Sinus Lift Curette
:: Available in surgical steel;
:: Used to displace the Sinusal Membrane.
Complement Case
:: Available in autoclavable polymer;
:: Used to organize drills and auxiliary connections.

Handle Implant Driver
:: Available in stainless steel;
:: Manual implant placement.

Analog Handle
:: Used for tightening analogs and milling prosthetic abutments.

Prosthetic Surgical Guide
:: Available in titanium;
:: Abutments to prepare the surgical guide;
:: Prosthetic guide inner diameter 2 mm
:: Heights 6 and 10 mm;
:: Surgical Guide: package with 10 units (5 units of 10 mm and 5 units of 6 mm);
:: Surgical Guide Pin: package with 5 units
Neodent® Biomaterials
Neodent offers a wide assortment of biomaterials including bovine bone, allograft, and collagen barriers. Created to regenerate hard tissues in a predictable and reliable way, this range of flexible solutions is designed to provide patients with the functional and aesthetic results they seek, elevating their overall experience.

Neodent AlloGraft granules

<table>
<thead>
<tr>
<th>Neodent AlloGraft Mineralized Cortical</th>
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<table>
<thead>
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<th>Neodent AlloGraft Mineralized Cortical Cancellous Mix</th>
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<tr>
<td>NAMND070232</td>
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Neodent Membrane Flex™

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<th>Neodent Membrane Flex™ Description</th>
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<tr>
<td>NAMND070.008</td>
<td>15 x 20 mm Neodent® Membrane Flex™</td>
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<tr>
<td>NAMND070.009</td>
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</tr>
<tr>
<td>NAMND070.010</td>
<td>30 x 40 mm Neodent® Membrane Flex™</td>
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</tbody>
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- Track order history
- View order status
- Return product
- Pay invoices online
- Review payment history

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