

# Product catalogue 2024

• ISSUE 01



# SUMMARY

Neodent®. Smile through Life.



3

Zi Ceramic  
Implant System



6

Helix GM Narrow



106

Grand Morse



22

Helix Short



124

EasyGuide



62

Orthodontic  
Anchorage



144

NeoArch®



70

Bone  
Grafting



146

Zygoma-S



72

Neodent®  
Techniques



150

Guided Surgery



96

Digital  
Solutions



158

EasyPack



104

General  
Instruments



160



# SMILE THROUGH LIFE

 **NEODENT.**  
A Straumann Group Brand

Neodent® is a global brand founded by a dentist for dentists, with the purpose of changing lives. Available in 95 countries, with a legacy of more than 30 years focused on ease of use, Neodent® Dental Implant Systems focus on progressive treatment concepts, such as immediacy with modern and reliable solutions to enable therapy access and affordability for creating new smiles every day.



## GLOBAL BRAND

Available in 95 countries, expanding our philosophy worldwide.



## FOUNDED BY A DENTIST FOR DENTISTS

A legacy of more than 30 years focused on ease of use.



## PROGRESSIVE TREATMENT CONCEPTS

Modern and reliable solutions.



## THERAPY ACCESS AND AFFORDABILITY

Accessibility to proven and affordable solutions.

# THE CHOICES WE MAKE WRITE OUR HISTORY



For over 30 years, we have been creating and transforming smiles. Our purpose is put into practice day after day through the development of quality products and innovative solutions, always with a focus on customers.

We are growing and evolving rapidly, with an increasingly global presence. This evolution has also led us to rethink our brand positioning: we now present ourselves as a company specializing in aesthetic, rehabilitative, and innovative dental implant solutions.

Through the efforts of our over 2,800 employees, we aspire not only to continue creating new smiles every day but also to enable people to smile through life. And we are determined to be a part of this transformation!

Matthias Schupp • CEO of Neodent and EVP Straumann Group Latin America





For over three decades, my journey as a dentist and entrepreneur began with the clear mission of providing new reasons to smile. In 1993, focusing on the immediate loading technique, we transformed the dental implant market in Brazil, marking a significant chapter in our history.

In 2015, by joining forces with the Straumann Group, we expanded our influence and are now present in 95 countries. We continue to shape the future, focused on creating solutions that enhance the lives of patients and dentists. We value the dentist-centered approach, offering diverse and innovative treatments.

Each implant is not just a "titanium or zirconia screw," but an opportunity for the dentist to restore confidence and joy to their patients. It's about transforming lives and strengthening the dental community. Today, we celebrate not only technological advancements but also the positive impact on the lives of countless individuals because Neodent® is more than an implant company; it is a family dedicated to excellence, innovation, and the constant pursuit of reasons to smile.

Dr. Geninho Thomé • Founder of Neodent®



# Ceramic Implant System

Increasing expectations for treatments solutions, the Neodent® Ceramic Implant System combines the notions of esthetic, stability, and flexibility.

This solution allows to immediately treat patients, thanks to the moderns naturally tapered design and wide prosthetic portfolio, achieving high-end esthetic results.

## A new **mindset**

- A new flexibility mindset
- A new stability mindset
- A new esthetic mindset



DR GENINHO THOMÉ, from Brazil

“The patients are pursuing more and more esthetics results and we were able to come up with a product that is beautiful and also has injected ceramic technology, which makes it possible to make a high quality implant with an innovative, complex and metal-free technology.”







## A new flexibility mindset

Looking to attend several treatments solutions and a wide range of prosthetic possibilities through a 2-pieces connection.



### TREATMENT FLEXIBILITY

A new concept in flexibility offering several solutions for treatment, from conventional to digital workflow, attending bone types I to IV with outstanding esthetics.

### PROSTHETIC FLEXIBILITY

The 2-pieces connection benefits the customer allowing to choose the best prosthetic solution.

A user-friendly system that provides higher treatment flexibility when compared to one-piece implants.



**ZI BASE**



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



Ø 3.75/4.5 mm



**ZI BASE FOR C**



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



Ø 4.65 mm



**ZI CR ABUTMENT**



Single-unit cement-retained prosthesis



Ø 4.0/4.5 mm

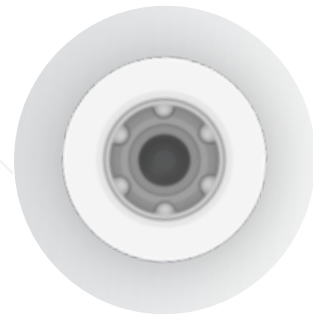


## A new **stability mindset**

Zi combines a naturally tapered implant design with double trapezoidal threads. Both designed to maximize stability and predictability in immediate treatments.

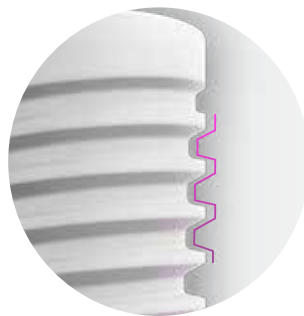
### **ZILOCK® CONNECTION**

ZiLock® is a ceramic internal connection with 6 rounded lobes. This indexation results in a precise abutment positioning, protecting against rotation. Designed with a longer screw which provides a secure engagement between the ceramic implant and the ceramic abutment. Additionally, it improves the ceramic performance by optimizing the force distribution along the internal connection.



### **TAPERED DESIGN FOR PRIMARY STABILITY**

Ceramic Implant System exhibits a modern tapered geometry designed for predictable immediate load in bone types I to IV. This feature was designed to mimic the tapered shape of a natural tooth root, driving to achieve high primary stability.



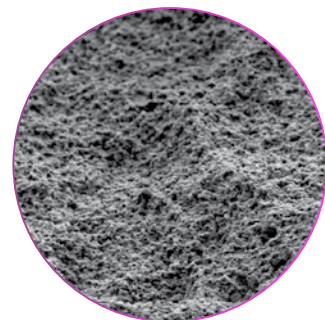
Double trapezoidal thread design.



Apically tapered with chamber flutes.

### **PREDICTABILITY WITH SAND-BLASTED AND ACID-ETCHED SURFACE**

Zi features the sand-blasted and acid-etched surface treatment, presenting macro and micro roughness based on the highly successful Neoporos® treatment surface.



Representative image of the implant surface - Scanning Electron Microscope (SEM) magnification of 5000x.





## A new **esthetic mindset**

Seeking for an outstanding esthetic performance, Zi offers, from the material itself, Ceramic, to the comprehensive portfolio, a natural esthetic result.

### **OUTSTANDING ESTHETIC PERFORMANCE**

Aiming to deliver performance with a high-end esthetic result, Neodent Ceramic Implant System features an outstanding ceramic material, that provides a natural looking outcome, thanks to its white color

### **A PORTFOLIO TO ACHIEVE NATURAL ESTHETIC RESULTS**

Ceramic prosthetic portfolio allows conventional or immediate protocol. In addition, preferable workflow can be applied from conventional to digital, providing a natural looking restoration.



#### **HEALING ABUTMENT**

Designed in Ceramic with a consistent emergence profile matching the outer shape of the Zi Base.



#### **CONVENTIONAL WORKFLOW**

The burn-out coping is developed to deliver accurate wax up prosthetic restoration in a conventional workflow.



#### **DIGITAL WORKFLOW**

The Scanbody allows access to the digital restorative workflow for implant level. This solution is compatible with the main CAD softwares in the market.



DR FEDERICO MANDELLI, from Italy

“ Zi is a Ceramic Implant System that I can use with any immediate loading protocol. So I can keep my protocols the same, for titanium or ceramic, offering the same treatment for any case. ”

# Neodent® Zi Implant Packaging

Neodent® packaging has been specially updated for easy handling and seeking to achieve a safe surgical procedure, providing practicality from implant stocking to the capture and transport and implant bed. The implant's features, such as type, diameter and length, are readily identifiable on the outside of the packaging.

Three self-adhesive labels are provided for recording in the patient's medical records and for reporting to the prosthesis team. They also allow traceability for all articles.



## Package instruction of use



1. The cardboard and blister packagings must be opened, manually, without the use of sterile gloves. Break the seal of the cardboard packaging and remove the blister. Open the blister pack. Deposit the sterile flask over the surgical field.  
NOTE: The clear tube and implant must be handled with a sterile surgical glove, in a surgical environment. Hold the bottle using the non-dominant hand and take the lid off.



2. The internal support containing the implant and transfer piece must come out attached to the lid. To do so, remove the lid and the clear tube's internal support in the axial direction without making any lateral movements.



3. Keep the support stable and remove the lid.



4. For installation, capture the implant transfer piece with the Hexagonal Connection, keeping it stable and slightly rotating the internal support, searching for the perfect fit between connection and transfer piece.



5. Take the transfer-implant assembly to the surgical cavity.

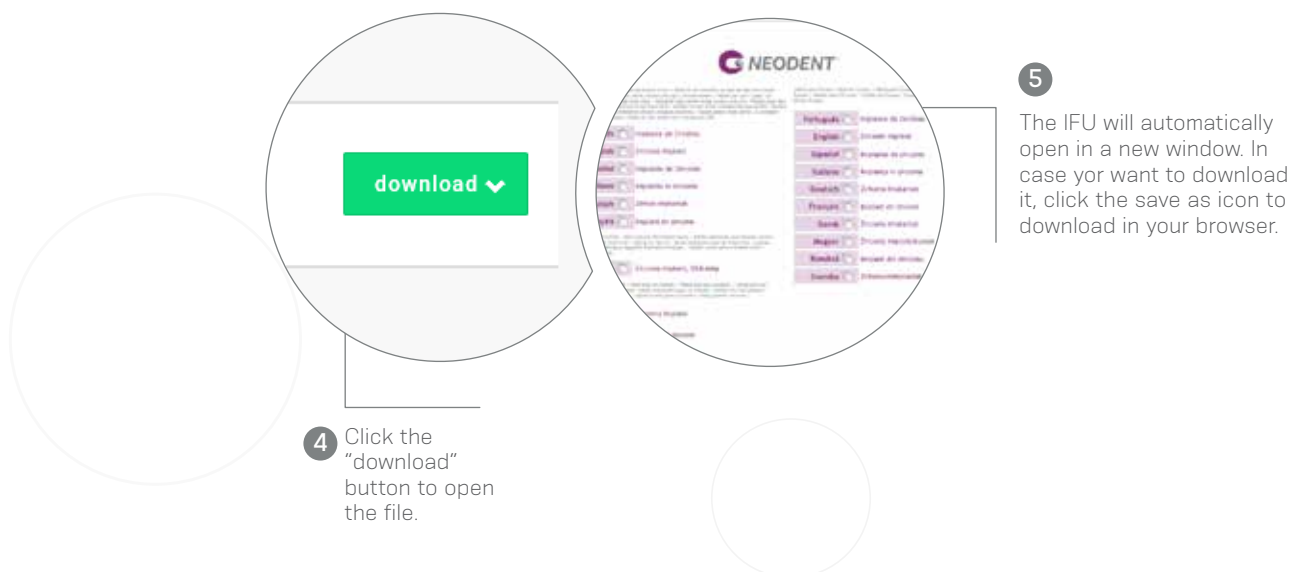
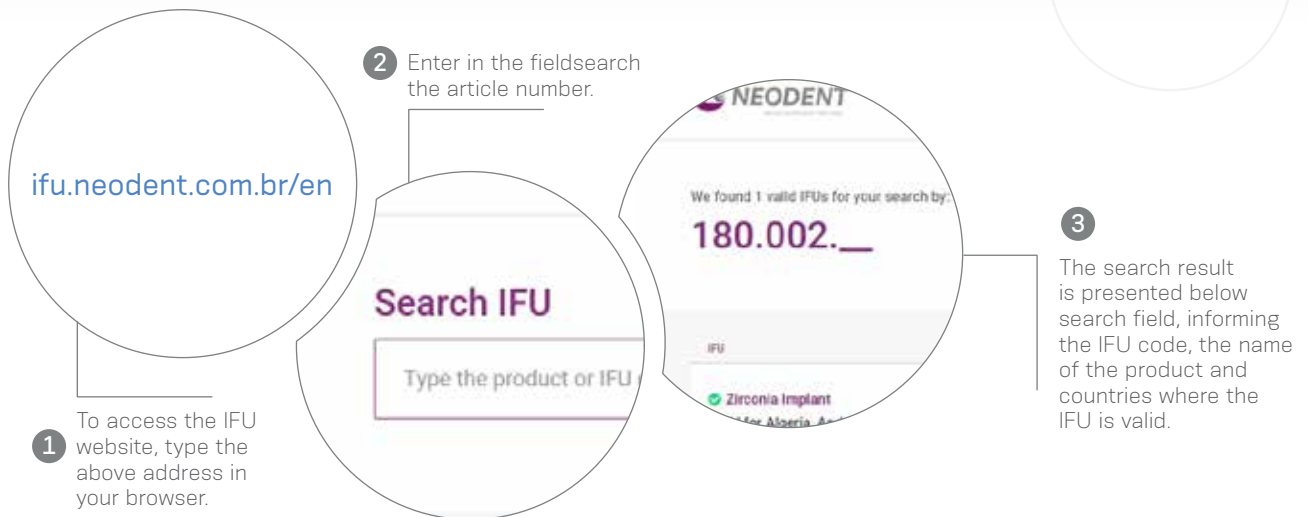


## e-IFU – Electronic Instructions For Use

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](http://ifu.neodent.com.br/en)



# Zi Implant

## PRODUCT FEATURES:

### Implants Description:

- Naturally tapered design
- Compacting trapezoidal threads
- Double threaded implant
- Apically tapered with chamber flutes
- ZiLock® connection

### Indications:

- Indicated for all types of bone density

### Drilling features:

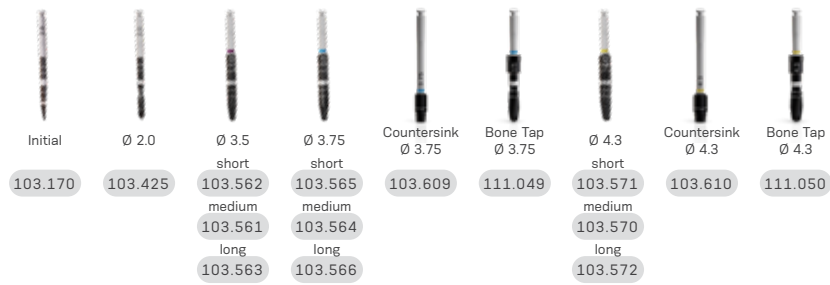
- Drilling speed: 800-1200 rpm for bone types I and II
- Drilling speed: 500-800 rpm for bone types III and IV.
- Countersink is required if used in bone types I, II and III with 300rpm.
- Bone tap is required if used in bone types I, II and post extraction: contra angle: 30rpm/35 N.cm and torque wrench: maximum torque of 60N.cm
- Maximum insertion torque: 60 N.cm
- Minimum torque value for immediate loading: 35N.cm

### Surface:


- Zi features the sand-blasted and acid-etched surface treatment, presenting macro and micro roughness based on the highly successful Neoporos® treatment surface.




## Drill Sequence




Ø 3.75 mm	✓*	✓	✓	✓	✓	✓			
Ø 4.3 mm	✓*	✓	✓				✓	✓	✓

\*Optional / Bone types I and II 

Ø 3.75 mm	✓*	✓	✓	✓	✓				
Ø 4.3 mm	✓*	✓	✓				✓	✓	

\*Optional / Bone type III 

Ø 3.75 mm	✓*	✓	✓	✓					
Ø 4.3 mm	✓*	✓	✓				✓		

\*Optional / Bone type IV 

- In order to prepare the surgical alveolus after extraction, use sequences of the drill used in type I bone.
- For mandible, use bone tap.

## Zi Implants



## Zi Cover Screw



117.023

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

## Zi Healing Abutments



Profile	1.5 mm	2.5 mm	3.5 mm	4.5 mm
Ø 3.75	106.233	106.234	106.274	106.275
Ø 4.5	106.235	106.236	106.276	106.277

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

 Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

# Peek CR Abutment



Single-unit cement-retained temporary prosthesis



Ø 4.0/4.5 mm

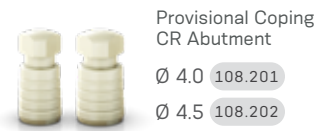
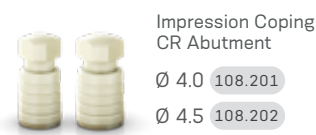
Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

- Neo screwdriver connection;
- Cementable area height: 5.0 mm;
- Gingival height: 1.5, 2.5, 3.5 & 4.5 mm;
- ZiLock® connection;
- Removable screw.

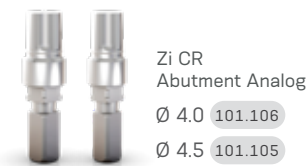


## Installation Sequence

	1.5 mm	2.5 mm	3.5 mm	4.5 mm	Peek CR Abutment
Ø 4.0	114.888	114.889	114.926	114.927	
Ø 4.5	114.886	114.887	114.924	114.925	



Hybrid use: can be used as an impression coping and a provisional abutment.



## Drivers





# Zi Base



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



Ø 3.75/4.5 mm

Neo screwdriver connection;

Chimney height: 4.0 mm;

Gingival height: 1.5, 2.5, 3.5 & 4.5 mm;

ZiLock® connection;

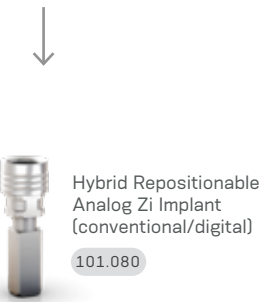
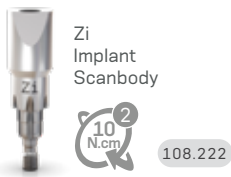
Removable screw.



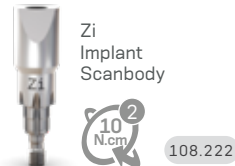
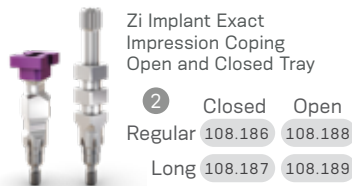
Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

## Installation Sequence

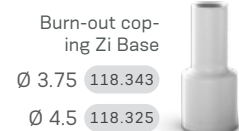
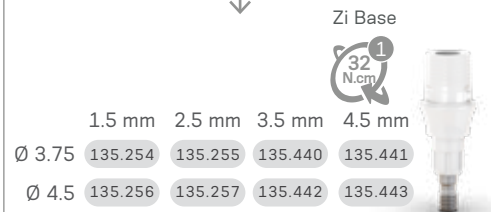
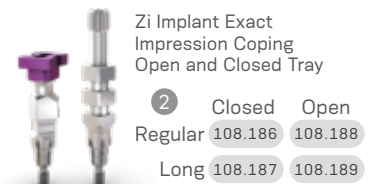
### Intraoral scanning



### Model Scanning



### Conventional



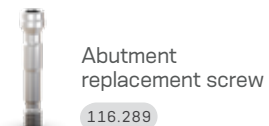
	1.5 mm	2.5 mm	3.5 mm	4.5 mm	Zi Base
Ø 3.75	135.254	135.255	135.440	135.441	
Ø 4.5	135.256	135.257	135.442	135.443	



## Drivers



## Accessories



# Zi Base for C



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



Ø 4.65 mm

Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

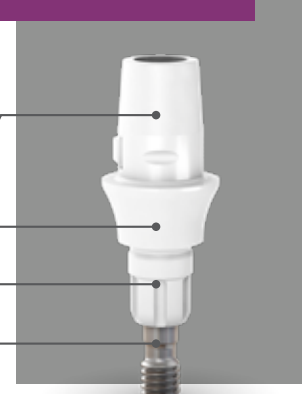
Design for CEREC® workflow;

Neo screwdriver connection;

Gingival height: 1.5, 2.5, 3.5 & 4.5 mm;

ZiLock® connection;

Removable screw.



## Installation Sequence



Intraoral Scanning with scanbodies provided by Dentsply Sirona

Finalized Prosthesis

## Workflow

### Step 1

Gingiva height selection and ordering.



Select the Zi Base for C gingival height.



Order the Zi Base for C.

Please note that the scanbody has to be purchased directly from equipment manufacturer.

### Step 2

Intra-oral scanning.



Insert the Zi Base for C in the Neodent® implant.



Insert scanbody on the Zi Base for C.

### Step 3

Design and milling.



Select in the CAD software the comparable third-party Zi Base and perform the digital design.



Mill the digital design.

### Step 4

Finalization and fixation.



- Check the fit of milled restoration in the patient's mouth and adapt it, if needed.
- Cement the restoration on the Zi Base for C and insert it into the patient's mouth.

## CEREC digital library compatibility

Library	Sirona's Products				Compatible with implant System	
	Scanbody	REF Scanbody Omnicam	REF Scanbody Bluecam / Ineos	Griding block	Implant manufacturer	Implant system
<i>NBB 3.4 L</i>						
<i>NB A 4.5 L</i>						
<i>SSO 3.5 L</i>						
<i>S BL 3.3 L</i>	L	6431329	6431303	inCoris Zi meso L	Neodent®	GM, CM, HE, IIPlus
<i>S BL 4.1 L</i>						
<i>BO 3.4 L</i>						

## Drivers

1 Neo Screwdriver Torque Connection



Torque Wrench

## Accessories



Abutment replacement screw

116.289

# Zi CR Abutment



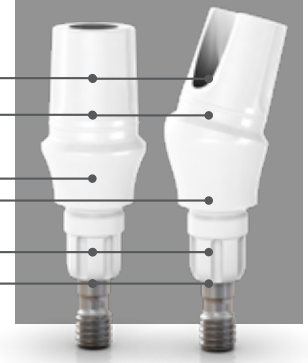
Single-unit  
cement-  
retained  
prosthesis



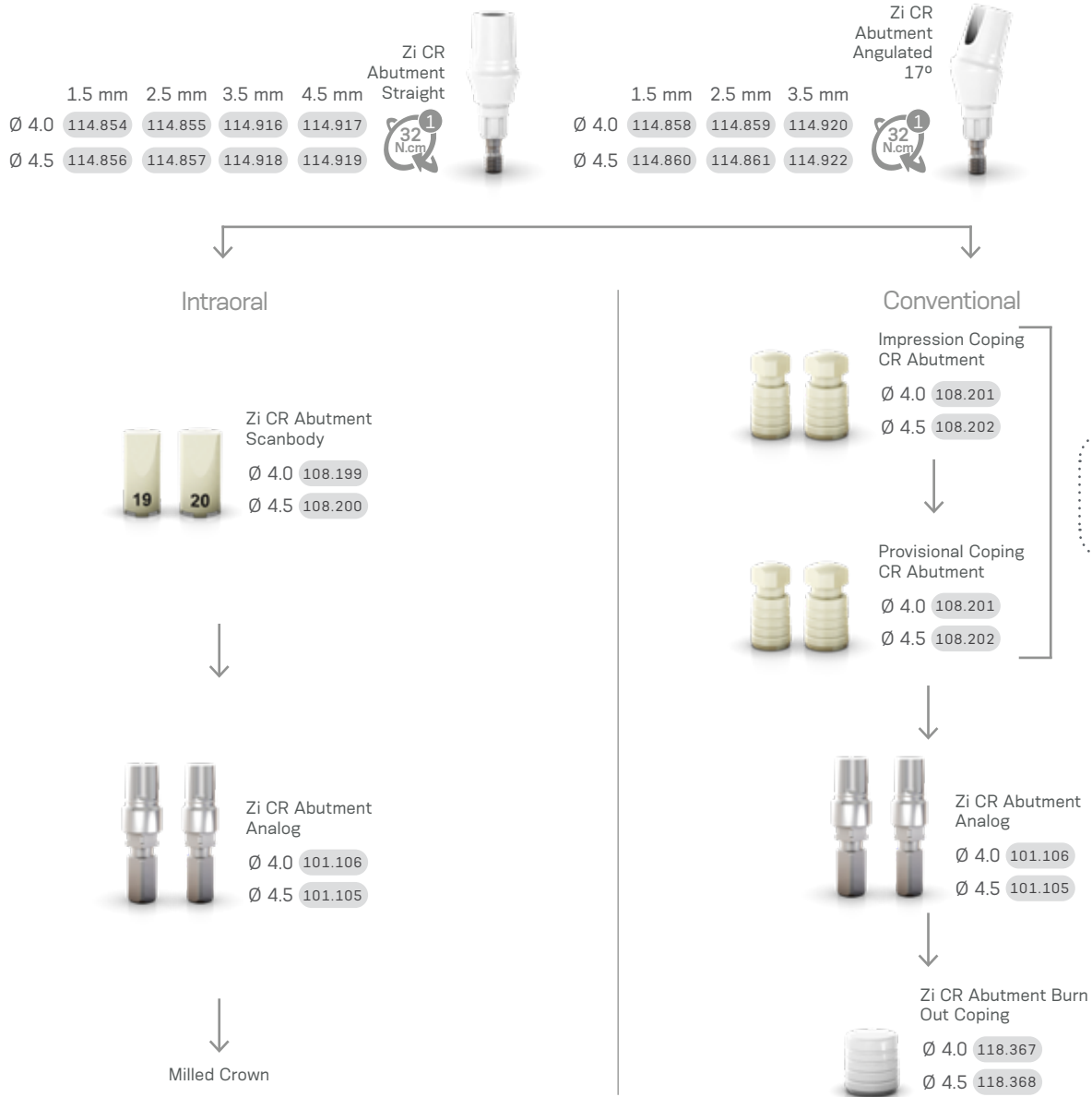
Ø 4.0/4.5 mm

Check it out on the eShop, go to:  
[neodent.com/shopnow](http://neodent.com/shopnow)

- Neo screwdriver connection;
- Chimney height: 5.0 mm;
- Gingival height: 1.5, 2.5, 3.5 & 4.5 mm;
- Gingival height: 1.5, 2.5 & 3.5 mm;
- ZiLock® Connection;
- Removable screw.



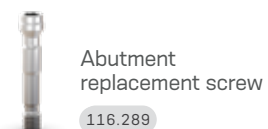
## Installation Sequence



## Drivers



## Accessories



# Zi Implant System Kit

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# Zi Compact Surgical Kit

Autoclavable polymer case.

The Kit allows the installation of Zi® Implants in all bone types.



## Articles

- 110.293 Compact Surgical Kit Zirconia Implant
- 103.609 Countersink Drill For Zirconia Implant 3.75
- 103.610 Countersink Drill For Zirconia Implant 4.3
- 104.050 Torque Wrench Driver
- 111.049 Bone Tap For Zirconia Implant 3.75
- 111.050 Bone Tap For Zirconia Implant 4.3
- 103.170 Initial drill Ø2.0 medium
- 103.561 Tapered Drill Ø3.5
- 103.564 Tapered Drill Ø3.75
- 103.570 Tapered Drill Ø4.3
- 103.425 Tapered Drill Ø2.0
- 103.426 Drill extender
- 104.060 Neo Manual Screwdriver (medium)
- 105.001 Smart/ws Implant Driver - Torque Wrench (short)
- 105.002 Smart/ws Implant Driver - Contra-angle
- 105.132 Neo Screwdriver Torque Connection
- 128.020 Direction indicator Ø3.75
- 128.022 Direction indicator Ø4.3
- 129.020 Tapered X-ray Positioner 3.75
- 129.013 Tapered X-ray Positioner 4.3
- 129.001 Titanium Tweezers Ti

Note: Items that compose Zi Neodent® Kit are sold separately.

 Check it out on the eShop, go to:  
[neodent.com/shopnow](https://neodent.com/shopnow)

# Zi Implant System Instruments

---



### Initial Drill

- :: Available in surgical steel;
- :: 2.0mm diameter.

103.170

### Tapered Drills

- :: Available in surgical steel;
- :: Drill sequence for Zi Implants.

- 103.561 Tapered Drill Ø3.5
- 103.564 Tapered Drill Ø3.75
- 103.570 Tapered Drill Ø4.3
- 103.425 Tapered Drill Ø2.0
- 103.562 Tapered Drill (short) Ø3.5
- 103.563 Tapered Drill (long) Ø3.5
- 103.565 Tapered Drill (short) Ø3.75
- 103.566 Tapered Drill (long) Ø3.75
- 103.571 Tapered Drill (short) Ø4.3
- 103.572 Tapered Drill (Long) Ø4.3
- 103.574 Tapered Drill (short) Ø5.0
- 103.575 Tapered Drill (Long) Ø5.0



### Countersink Drills

- :: Available in surgical steel;

- 103.609 Ø3.75
- 103.610 Ø4.3



### Bone Tap

- :: Available in surgical steel;

- 111.049 Ø3.75
- 111.050 Ø4.3



### Torque Wrench

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

104.050



### Neo Screwdriver Torque Connection - Torque Wrench

- :: Available in surgical steel;
- :: Yellow color for line identification.

Short	Medium	Long
16.5 mm	22 mm	32 mm
105.133	105.132	105.157



### Neo Manual Screwdriver

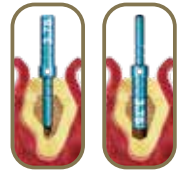
- :: Available in surgical steel;
- :: Yellow color for line identification

Short	Medium	Long
21 mm	25 mm	37 mm
104.058	104.060	104.070



### Direction Indicators

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



3.0/3.75 128.020 3.6/4.3 128.022



### Drill Extension

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

103.426



### Tapered X-Ray Positioner

- :: Check the axis in relation to adjacent roots using numbers identification.

Ø3.75	Ø4.3
129.020	129.013



# Grand Morse®

GREATNESS IS AN ACHIEVEMENT

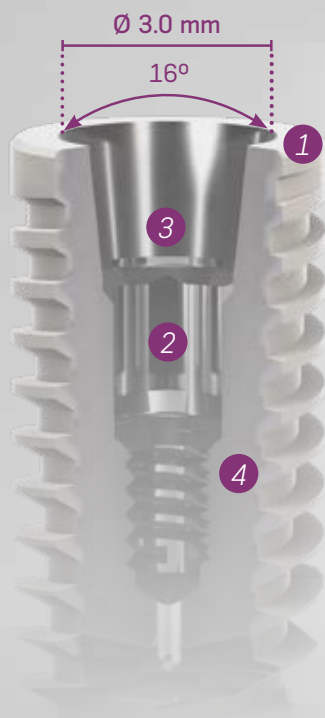


## GRAND RELIABILITY

STABLE AND STRONG FOUNDATION  
DESIGNED FOR LONG TERM SUCCESS

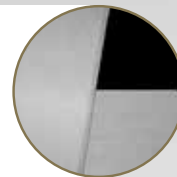
The implant-abutment interface is crucial for a successful long term functional and esthetic result. The Neodent® Grand Morse® connection offers a unique combination based on proven concepts: a platform switching associated with a deep 16° Morse Taper including an internal indexation for a strong and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

22



### 1 Platform Switching

Abutment design with a narrower diameter than the implant coronal area, enabling the platform switching concept<sup>(5-9)</sup>.



### 2 Internal Indexation

Precise abutment positioning, protection against rotation and easy handling.



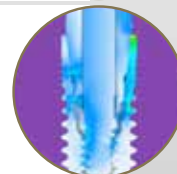
### 3 Deep Connection

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.



DR JOE BHAT, from United Kingdom

“The new GM line has been the most effective tool that I have used in my practice. With regard to full-arch reconstruction and for immediate loading. ”







## 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 cover screws and most of the restorative screws.



### ONE IMPLANT DRIVER

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



### ONE SURGICAL KIT

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



DR MICHELE ANTONIO LOPEZ, from Italy

“ Helix GM Implant give me many solutions, because it’s a very easy implant system, one only platform, an universal implant very stable and full of solutions from a prosthetic point of view. ”



## GRAND STABILITY

### STABLE AND STRONG FOUNDATION DESIGNED FOR LONG TERM SUCCESS

The increasing expectations for shortened treatment duration represent 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.

#### Fully 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

acqua



Titamax®

Vertical placement flexibility.  
Bone types I & II.



Drive®

High primary stability in  
challenging bone types.  
Bone types III & IV.



GRAND ESTHETICS

DELIVER IMMEDIATE  
NATURAL ESTHETICS



DR PAULO CARVALHO, from Portugal

“On the prosthetic part, the emergence profiles of the abutments, and everything that happens from the connection above, works and makes success in the long term. //”

Nowadays, 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.



Titanium Temporary Abutment



Pro-Peek Abutment



Titanium Base



Titanium Base C



Titanium Base for Bridge



Titanium Block (AG or Medentika Holder)



CoCr Abutment



Anatomic Abutment (straight and angled)



Universal Abutment (straight and angled)



Abutment



Angled Mini Conical Abutment



Attachment TiN\* for Removable Protheses (straight and angled)



Titanium Base AS



Straight Mini Conical Abutment



Micro Abutment



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



Overdenture



Multiple-unit screw-retained prosthesis



Multiple-unit cement-retained prosthesis



Temporary

# Neodent® Grand Morse Implant Packaging

Neodent® implant packaging has been updated to a concept that provides convenience and safety 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.



## Package instruction of use



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



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



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



4. While gripping the implant carrier, remove the lid.



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



6. The implant can now be transported to the surgical site.

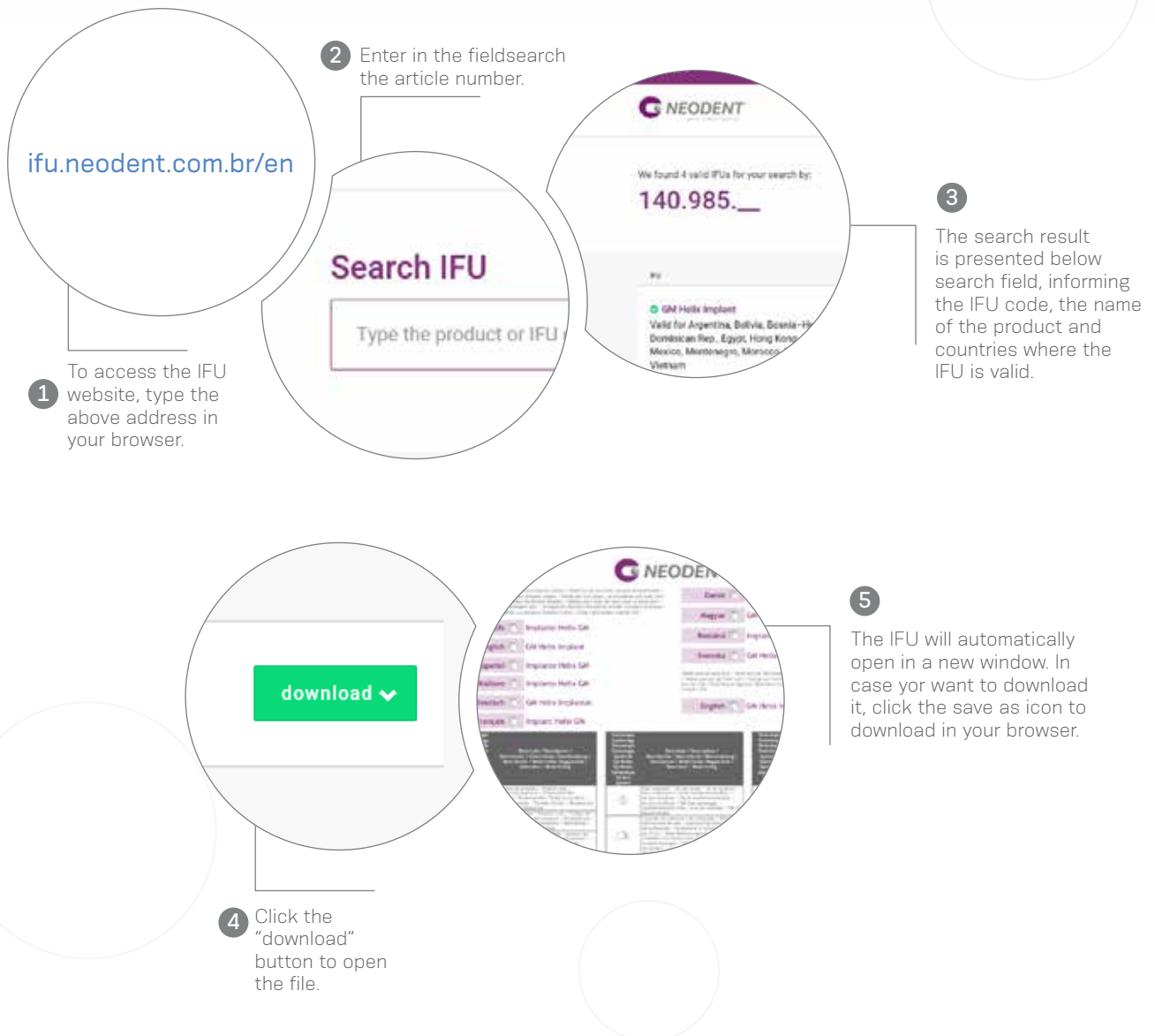


## e-IFU – Electronic Instructions For Use

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](http://ifu.neodent.com.br/en)



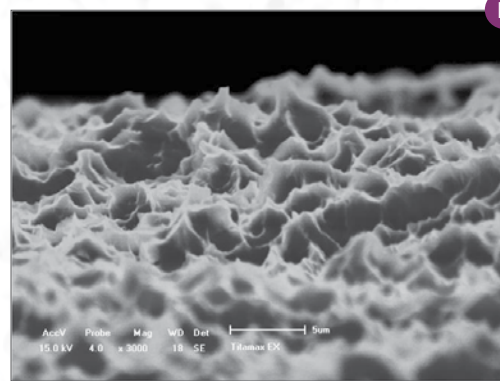
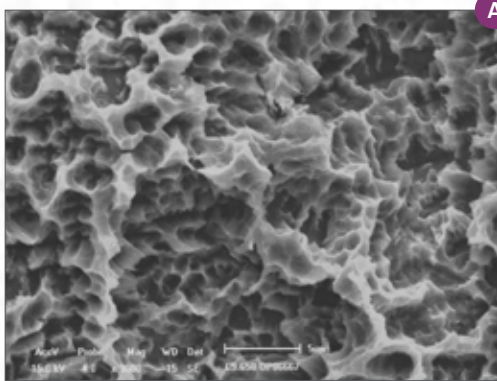
# NeoPoros

## Constant evolution and safety guarantee.

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).

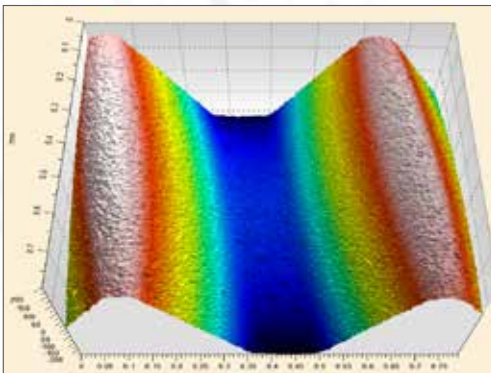


Image taken by confocal microscopy.  
Roughness and Microtopography.  
( $S_a = 0,3 - 1,3 \mu\text{m}$ ;  $S_z = 6,0 - 15,5 \mu\text{m}$ ).



DR ANA TADORIC, from Serbia

“I like the immediacy and I like the immediate loading. That is something that our patients are demanding in everyday practice more and more. So this is perfect for me.”

acqua®

## Acqua Hydrophilic Surface designed for high treatment predictability.

The Neodent® Acqua hydrophilic surface is the next level of the highly successful S.L.A. (sandblasted, large grit, acid-etched) type of surface developed to achieve successful outcomes even in challenging situations, such as soft bone or immediate protocols.<sup>(1-4)</sup>

### 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.<sup>(2)</sup>

### Surface comparison

Lab generated images.



*NeoPoros surface.*



*Acqua Hydrophilic Surface.*



DR GERT SAUER, from South Africa

“ The design of Neodent® GM Helix Acqua allows for immediate loading for all cases with predictable results. That is the main reason why I’m using Neodent®; even in cases with poor bone quality we can achieve primary stability. This results in predictable solutions for all of our patients. ”



# Helix GM<sup>®</sup>

## PRODUCT FEATURES:

### Implants Description:

- Full 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<sup>®</sup> 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 

## Drill Sequence

	Initial	Ø 2.0	Ø 3.5	Ø 3.5+	Ø 3.5	Ø 3.75	Ø 3.75+	Ø 3.75	Ø 4.0	Ø 4.0+	Ø 4.0	Ø 4.3	Ø 4.3+	Ø 4.3	Ø 5.0	Ø 5.0+	Ø 5.0	Ø 6.0	Ø 7.0	
	103.170	103.425	103.561	103.578	103.513	103.564	103.579	103.514	103.567	103.580	103.515	103.570	103.581	103.516	103.573	103.582	103.517	103.576	103.577	
Ø 3.5	✓*	✓	✓	✓	✓															
Ø 3.75	✓*	✓	✓	✓	✓		✓	✓												
Ø 4.0	✓*	✓	✓	✓		✓			✓	✓										
Ø 4.3	✓*	✓	✓	✓		✓			✓			✓	✓							
Ø 5.0	✓*	✓	✓	✓		✓			✓			✓	✓	✓		✓	✓			

\*Optional / Bone types I and II

Ø 3.5	✓*	✓	✓	✓																
Ø 3.75	✓*	✓	✓	✓		✓														
Ø 4.0	✓*	✓	✓	✓				✓												
Ø 4.3	✓*	✓	✓	✓		✓					✓	✓								
Ø 5.0	✓*	✓	✓	✓		✓					✓	✓	✓		✓	✓				
Ø 6.0	✓*	✓	✓	✓		✓					✓	✓			✓	✓			✓	
Ø 7.0	✓*	✓	✓	✓		✓					✓	✓			✓	✓		✓	✓	✓*

\*Optional / Bone types III and IV

## Drill Sequence with Neodent® Control System

	Initial	Ø 2.0	Ø 3.5	Ø 3.5+	Ø 3.5	Ø 3.75	Ø 3.75+	Ø 3.75	Ø 4.0	Ø 4.0+	Ø 4.0	Ø 4.3	Ø 4.3+	Ø 4.3	Ø 5.0	Ø 5.0+	Ø 5.0	Ø 6.0	Ø 7.0	
	103.170	103.492	103.493	103.500	103.513	103.494	103.501	103.514	103.495	103.502	103.515	103.496	103.503	103.516	103.497	103.504	103.517	103.498	103.499	
Ø 3.5	✓*	✓	✓	✓	✓															
Ø 3.75	✓*	✓	✓	✓		✓	✓													
Ø 4.0	✓*	✓	✓	✓		✓			✓	✓										
Ø 4.3	✓*	✓	✓	✓		✓			✓			✓	✓							
Ø 5.0	✓*	✓	✓	✓		✓			✓			✓	✓	✓		✓	✓			

\*Optional / Bone types I and II

Ø 3.5	✓*	✓	✓	✓																
Ø 3.75	✓*	✓	✓	✓		✓														
Ø 4.0	✓*	✓	✓	✓				✓												
Ø 4.3	✓*	✓	✓	✓		✓					✓	✓								
Ø 5.0	✓*	✓	✓	✓		✓					✓	✓	✓		✓	✓				
Ø 6.0	✓*	✓	✓	✓		✓					✓	✓			✓	✓			✓	
Ø 7.0	✓*	✓	✓	✓		✓					✓	✓			✓	✓		✓	✓	✓*

\*Optional / Bone types III and IV

## Helix GM® Implants

Ø 3.5	Acqua	NeoPoros	Ø 3.75	Acqua	NeoPoros	Ø 4.0	Acqua	NeoPoros	Ø 4.3	Acqua	NeoPoros
8.0	140.943	109.943	8.0	140.976	109.976	8.0	140.982	109.982	8.0	140.948	109.948
10.0	140.944	109.944	10.0	140.977	109.977	10.0	140.983	109.983	10.0	140.949	109.949
11.5	140.945	109.945	11.5	140.978	109.978	11.5	140.984	109.984	11.5	140.950	109.950
13.0	140.946	109.946	13.0	140.979	109.979	13.0	140.985	109.985	13.0	140.951	109.951
16.0	140.947	109.947	16.0	140.980	109.980	16.0	140.986	109.986	16.0	140.952	109.952
18.0	140.988	109.988	18.0	140.981	109.981	18.0	140.987	109.987	18.0	140.989	109.989

Ø 5.0	Acqua	NeoPoros	Ø 6.0	Acqua	NeoPoros	Ø 7.0	Acqua	NeoPoros
8.0	140.953	109.953	8.0	140.1009	109.1009	8.0	140.1059	109.1059
10.0	140.954	109.954	10.0	140.1010	109.1010	10.0	140.1060	109.1060
11.5	140.955	109.955	11.5	140.1011	109.1011	11.5	140.1061	109.1061
13.0	140.956	109.956	13.0	140.1012	109.1012	13.0	140.1062	109.1062
16.0	140.957	109.957						
18.0	140.990	109.990						

### GM Cover Screw

	0 mm	2 mm
	117.021	117.022

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

### GM Healing Abutment

	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
Ø 3.3	106.207	106.208	106.209	106.210	106.211	106.212
Ø 4.5	106.213	106.214	106.215	106.216	106.217	106.218
Ø 5.5		106.250	106.251	106.252	106.253	
Ø 6.5		106.254	106.255	106.256	106.257	

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

### GM Customizable Healing Abutment

	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm	6.5 mm
Ø 5.5	106.223	106.224	106.225	106.226	106.227	
Ø 7.0		106.228	106.229	106.230	106.231	106.232

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

Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)



# Drive GM<sup>®</sup>

## PRODUCT FEATURES:

### 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<sup>®</sup> 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.





## Drill Sequence

	Initial	Ø 2.0	Ø 3.5	Ø 3.5	Ø 4.3	Ø 4.3	Ø 5.0	Ø 5.0
	103.170	103.425	103.561	103.513	103.570	103.516	103.573	103.517
Ø 3.5 mm	✓	✓	✓	✓ *				
Ø 4.3 mm	✓	✓	✓		✓	✓ *		
Ø 5.0 mm	✓	✓	✓		✓		✓	✓ *

\*Optional / Bone types III and IV



## Drive GM® Implants

		8.0 mm	10.0 mm	11.5 mm	13.0 mm	16.0 mm	18.0 mm
Ø 3.5	Acqua	140.958	140.959	140.960	140.961	140.962	140.963
	NeoPoros	109.958	109.959	109.960	109.961	109.962	109.963
Ø 4.3	Acqua	140.964	140.965	140.966	140.967	140.968	140.969
	NeoPoros	109.964	109.965	109.966	109.967	109.968	109.969
Ø 5.0	Acqua	140.970	140.971	140.972	140.973	140.974	140.975
	NeoPoros	109.970	109.971	109.972	109.973	109.974	109.975

## GM Cover Screw



0 mm	2 mm
117.021	117.022

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

## GM Healing Abutment



	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
Ø 3.3	106.207	106.208	106.209	106.210	106.211	106.212
Ø 4.5	106.213	106.214	106.215	106.216	106.217	106.218
Ø 5.5		106.250	106.251	106.252	106.253	
Ø 6.5		106.254	106.255	106.256	106.257	

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

## GM Customizable Healing Abutments



Profile	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm	6.5 mm
Ø 5.5	106.223	106.224	106.225	106.226	106.227	
Ø 7.0		106.228	106.229	106.230	106.231	106.232

Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

# Titamax GM<sup>®</sup>

## PRODUCT FEATURES:

### Implants Description:

- Cylindrical implant (parallel walls);
- V-shape threads;
- Double threaded implant;
- Self tapping apex;
- Grand Morse<sup>®</sup> 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<sup>®</sup> or 

## Drill Sequence

	Initial	Ø 2.0	Ø 2/3	Ø 2.8	Ø 3.0	Ø 3.5	Ø 3.3	Ø 3.75	Ø 4.0	Ø 3.8	Ø 4.3	Ø 5.0
	103.170	103.162	103.213	103.163	103.164	103.513	103.166	103.514	103.515	103.167	103.168	103.517
Ø 3.5 mm	✓	✓		✓		✓						
Ø 3.75 mm	✓	✓	✓		✓			✓				
Ø 4.0 mm	✓	✓	✓		✓		✓		✓			
Ø 5.0 mm	✓	✓	✓		✓			✓		✓	✓	✓

Bone types I and II 

## Titamax GM® Implants

		7.0 mm	8.0 mm	9.0 mm	11.0 mm	13.0 mm	15.0 mm	17.0 mm
Ø 3.5	Acqua	140.906	140.907	140.908	140.909	140.910	140.911	140.912
	NeoPoros	109.906	109.907	109.908	109.909	109.910	109.911	109.912
Ø 3.75	Acqua	140.899	140.900	140.901	140.902	140.903	140.904	140.905
	NeoPoros	109.899	109.900	109.901	109.902	109.903	109.904	109.905
Ø 4.0	Acqua	140.913	140.914	140.915	140.916	140.917	140.918	140.919
	NeoPoros	109.913	109.914	109.915	109.916	109.917	109.918	109.919
Ø 5.0	Acqua	140.920	140.921	140.922	140.923	140.924		
	NeoPoros	109.920	109.921	109.922	109.923	109.924		

## GM Cover Screw



0 mm    2 mm  
 117.021    117.022

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

## GM Healing Abutment



		0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
Ø 3.3		106.207	106.208	106.209	106.210	106.211	106.212
Ø 4.5		106.213	106.214	106.215	106.216	106.217	106.218
Ø 5.5			106.250	106.251	106.252	106.253	
Ø 6.5			106.254	106.255	106.256	106.257	

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

## GM Customizable Healing Abutments



	Profile	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm	6.5 mm
Ø 5.5		106.223	106.224	106.225	106.226	106.227	
Ø 7.0			106.228	106.229	106.230	106.231	106.232

 Check it out on the eShop, go to:  
[neodent.com/shopnow](http://neodent.com/shopnow)

# GM Mini Conical Abutment



Multiple-unit screw-retained prosthesis



Ø 4.8 mm

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;

Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)



## Installation Sequence



### Intraoral



Mini Conical Abutment Scanbody  
3  
108.218



Mini Conical Abutment Hybrid Repositionable Analog  
101.092



Neo Mini Conical Abutment One Step Hybrid Coping  
10  
118.382

### Model Scanning



Slim Mini Conical Abutment Open Tray Impression Coping  
3  
108.176



Mini Conical Abutment Hybrid Repositionable Analog  
101.092



Mini Conical Abutment Scanbody  
3  
108.218



Neo Mini Conical Abutment One Step Hybrid Coping  
10  
118.382

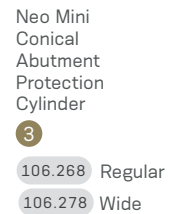
### Conventional



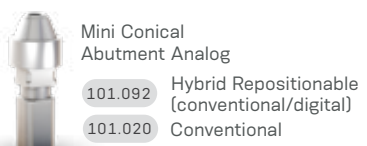
Slim Mini Conical Abutment Open Tray Impression Coping  
3  
108.176



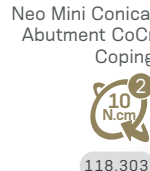
Neo Mini Conical Abutment Titanium Coping  
10  
118.302



Neo Mini Conical Abutment Protection Cylinder  
3  
106.268 Regular  
106.278 Wide



Mini Conical Abutment Analog  
101.092 Hybrid Repositionable (conventional/digital)  
101.020 Conventional



Neo Mini Conical Abutment CoCr Coping  
10  
118.303



Neo Mini Conical Abutment Burn-out Coping  
10  
118.301

## Drivers

- Hexagonal Prosthetic Driver + Torque Wrench
- Neo Screwdriver Torque Connection + Torque Wrench
- Neo Screwdriver Torque Connection + Manual Screwdriver Torque

## Accessories

- Replacement Abutment Screw
  - 116.291 Neo GM Screw - for abutments with 0.8-2.5 GH
  - 116.292 Neo GM Screw (Long) - for abutments with 3.5-5.5 GH
- Mini Conical Abutment Polishing Protector (123.008)
- Replacement Coping Screw
  - 116.269 Titanium
  - 116.270 Neotorque\*

\*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.

# GM Abutment



Single-unit screw-retained prosthesis



Ø 4.8 mm

Recommended for posterior region.

Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

Consider in addition 1.5 - 2.0 mm for the restorative material;  
 Minimum interocclusal space of 4.9 mm from the mucosa level;  
 With internal threads for a secure engagement of the screw;  
 Exact;  
 Neo Removable Screw;



## Installation Sequence

0.8 mm 1.5 mm 2.5 mm GM Exact Abutment with Neo Removable Screw  
 115.269 115.270 115.271  
 3.5 mm 4.5 mm  
 115.272 115.273



### Intraoral

### Model Scanning

### Conventional

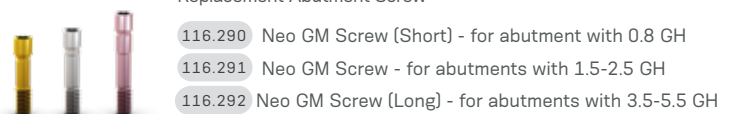


## Drivers

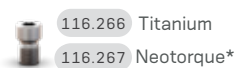


## Accessories

### Replacement Abutment Screw



### Replacement Coping Screw



\*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.



# GM Micro Abutment



Single-unit screw-retained prosthesis



Multiple-unit screw-retained prosthesis



Ø 3.5 mm

Recommended for limited spaces and narrow inter-dental spaces.

Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

Consider in addition 1.5 - 2.0 mm for the restorative material;

Minimum interocclusal space of 3.5 mm from the mucosa level.



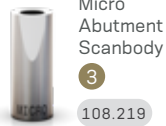
## Installation Sequence

0.8 mm	1.5 mm	2.5 mm
115.255	115.256	115.257
3.5 mm	4.5 mm	5.5 mm
115.258	115.259	115.260

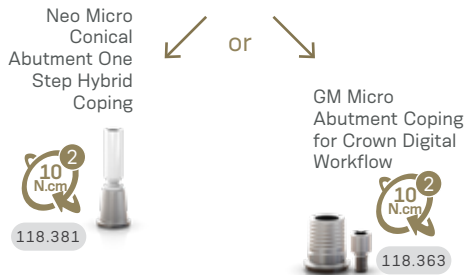
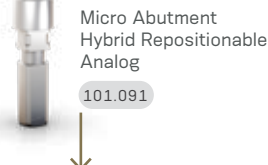
GM Micro Abutment



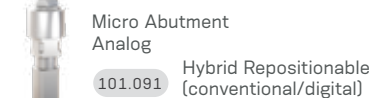
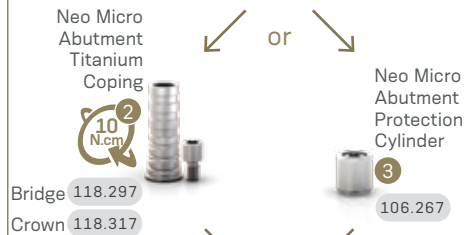
### Intraoral



### Model Scanning



### Conventional



## Drivers

- Hexagonal Prosthetic Driver + Torque Wrench
- Neo Screwdriver Torque Connection + Torque Wrench
- Neo Screwdriver Torque Connection + Manual Screwdriver Torque

## Accessories

Micro Abutment Polishing Protector  
123.015 Bridge

Replacement Coping Screw  
116.269 Titanium  
116.270 Neotorque\*

\*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.



# GM Titanium Base



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



Ø 3.5/4.5/  
5.5/6.5 mm

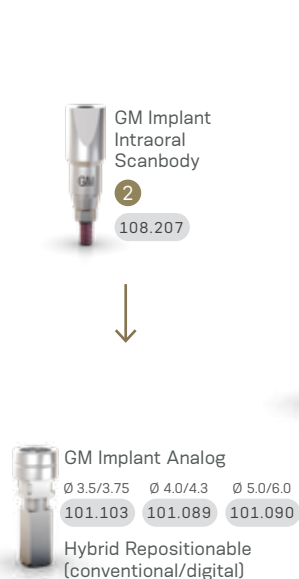
Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

- Customizable up to 4 mm high;
- Cementable area: 6.0 or 4.0 mm;
- With internal threads for a secure engagement of the screw
- Exact;
- Neo Removable screw;

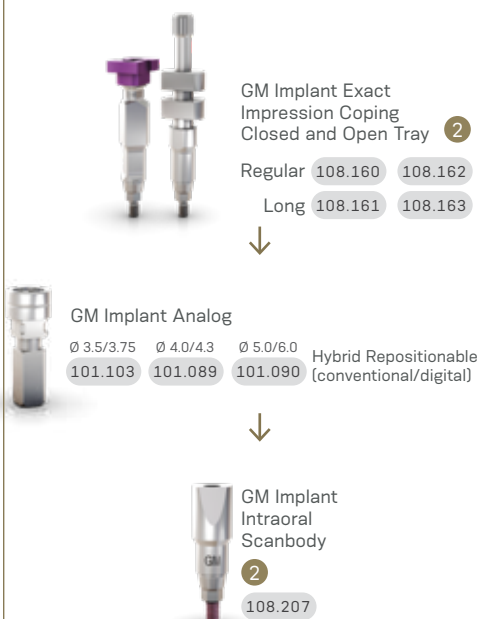


## Installation Sequence

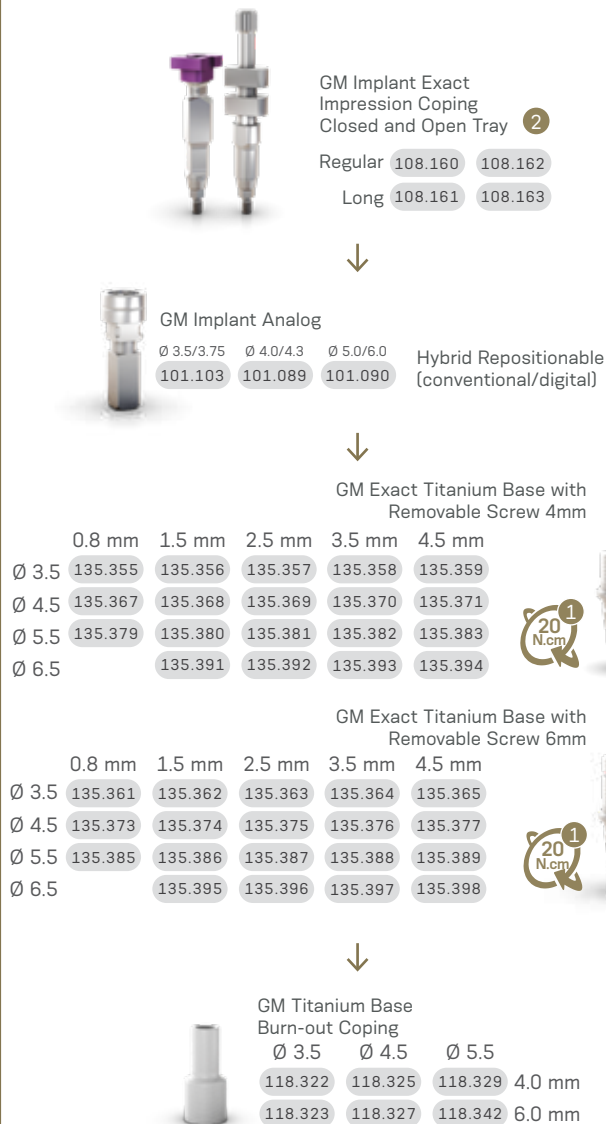
### Intraoral



### Model Scanning



### Conventional



## Drivers

- Neo Screwdriver Torque Connection + Torque Wrench
- Neo Screwdriver Torque Connection + Manual Screwdriver Torque

## Accessories

- Replacement Abutment Screw
- 116.292 Neo GM Screw (Long)

# GM Titanium Base Angled Solution (AS)

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

Ø 4.0/4.5/5.5 mm

With removable screw.

Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

Cementable area:  
6.0 or 4.0 mm;

Exact.



## Installation Sequence



## Drivers

1

Angled Solution Screwdriver for Torque Wrench

105.150	Short
105.151	Regular
105.152	Long

+

Torque Wrench

OR

Angled Solution Screwdriver for Contra-angle

105.147	Short
105.148	Regular
105.149	Long

+

Contra-angle

2

Neo Screwdriver Torque Connection

+

Manual Screwdriver Torque

## Accessories

Replacement Sterile Screw

116.288 Screw for GM Titanium Base AS

# GM Titanium Base for Bridge



Multiple-unit  
screw-  
retained  
prosthesis



Ø 3.5/4.5/  
5.5 mm

Check it out on the eShop, go to:  
[neodent.com/shopnow](http://neodent.com/shopnow)

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

With internal threads for  
a secure engagement of  
the screw;

Neo Removable Screw.



## Intraoral



2  
108.207



GM Implant Analog  
Ø 3.5/3.75   Ø 4.0/4.3   Ø 5.0/6.0  
101.103   101.089   101.090  
Hybrid Repositionable  
(conventional/digital)

## Model Scanning



GM Implant Exact  
Impression Coping  
Open Tray  
2  
Regular 108.158  
Long 108.159



GM Implant Analog  
Ø 3.5/3.75   Ø 4.0/4.3   Ø 5.0/6.0  
101.103   101.089   101.090   Hybrid Repositionable  
(conventional/digital)



GM Implant  
Intraoral  
Scanbody  
2  
108.207

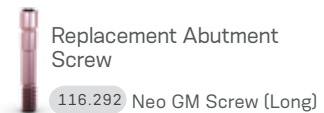


GM Titanium  
Base for  
Bridge  
1  
20 Ncm  
0.8 mm   1.5 mm   2.5 mm   3.5 mm   4.5 mm  
Ø 3.5   135.399   135.400   135.401   135.402   135.403  
Ø 4.5   135.404   135.405   135.406   135.407   135.408  
Ø 5.5   135.409   135.410   135.411   135.412   135.413

## Drivers



## Accessories



# Titanium Base C for GM



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



Ø 4.65 mm

Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

Cementable area: 4.7 mm;

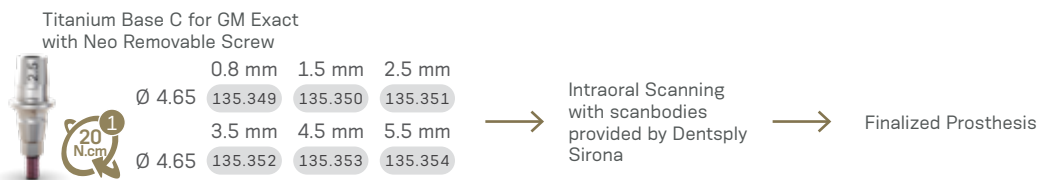
With internal threads for a secure engagement of the screw;

Exact;

Neo Removable Screw.



## Installation Sequence



## Workflow

### Step 1

Gingiva height selection and ordering.



Select the Titanium Base C for GM Exact gingival height.



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

### Step 2

Intra-oral scanning.



Insert the Titanium Base C for GM Exact in the Neodent® implant.



Insert scanbody on the Titanium Base C for GM Exact.

### Step 3

Design and milling.



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



Mill the digital design.

### Step 4

Finalization and fixation.



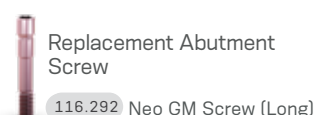
- Check the fit of milled restoration in the patient's mouth and adapt it, if needed.
- Cement the restoration on the Titanium Base C for GM Exact and insert it into the patient's mouth.

### CEREC digital library compatibility

Library	Sirona's Products				Compatible with implant System	
	Scanbody	REF Scanbody Omnicam	REF Scanbody Bluecam / Ineos	Grinding block	Implant manufacturer	Implant system
NBB 3.4 L						
NB A 4.5 L						
SSO 3.5 L						
S BL 3.3 L	L	6431329	6431303	inCoris ZI meso L	Neodent®	GM, CM, HE, IIPlus
S BL 4.1 L						
BO 3.4 L						

## Drivers

## Accessories



# GM Universal Abutment



Single-unit cement-retained prosthesis



Ø 3.3/4.5 mm

Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

Cementable area: 4.0 or 6.0 mm;  
Click retention for provisional copings;  
With internal threads for a secure engagement of the screw;  
Exact;  
Neo Removable Screw.



## Installation Sequence

Height	Diameter	GM Exact Click Universal Abutment with Removable Screw						or	GM Exact Click Universal Abutment 17° with Removable Screw			or	GM Exact Click Universal Abutment 30° with Removable Screw		
		0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm		1.5 mm	2.5 mm	3.5 mm		1.5 mm	2.5 mm	3.5 mm
4 mm	Ø 3.3	114.826	114.827	114.828	114.829	114.830	114.831	or	114.802	114.803	114.804	or	114.814	114.815	114.816
	Ø 4.5	114.838	114.839	114.840	114.841	114.842	114.843		114.808	114.809	114.810		114.820	114.821	114.822
6 mm	Ø 3.3	114.832	114.833	114.834	114.835	114.836	114.837	or	114.805	114.806	114.807	or	114.817	114.818	114.819
	Ø 4.5	114.844	114.845	114.846	114.847	114.848	114.849		114.811	114.812	114.813		114.823	114.824	114.825

### Intraoral



Universal Abutment Intraoral Scanbody

4 mm Ø 3.3	108.143	6 mm Ø 3.3	108.144
4 mm Ø 4.5	108.145	6 mm Ø 4.5	108.146



Universal abutment Hybrid Repositionable analog

4 mm Ø 3.3	101.097	6 mm Ø 3.3	101.098
4 mm Ø 4.5	101.099	6 mm Ø 4.5	101.100

Milled crown

### Conventional



Click Universal Abutment Impression Coping

4 mm Ø 3.3	108.172	6 mm Ø 3.3	108.173
4 mm Ø 4.5	108.174	6 mm Ø 4.5	108.175

Click Universal Abutment Provisional Coping



4 mm Ø 3.3	118.304	6 mm Ø 3.3	118.305
4 mm Ø 4.5	118.306	6 mm Ø 4.5	118.307

Universal Abutment Analog



4 mm Ø 3.3	101.097	6 mm Ø 3.3	101.098	Hybrid Repositionable (conventional/digital)
4 mm Ø 4.5	101.099	6 mm Ø 4.5	101.100	

Universal Abutment Burn-out Coping



4 mm Ø 3.3	118.181	6 mm Ø 3.3	118.182
4 mm Ø 4.5	118.183	6 mm Ø 4.5	118.184

## Drivers



## Accessories

Replacement Abutment Screw

116.291	Neo GM Screw - for abutments with 0.8-2.5 GH
116.292	Neo GM Screw (Long) - for abutments with 3.5-5.5 GH

# GM Anatomic Abutment



Single-unit  
cement-retained  
prosthesis

Recommended for anterior region.

Check it out on the eShop, go to:  
[neodent.com/shopnow](http://neodent.com/shopnow)

Gingiva color for  
esthetic outcomes;

Click retention for  
provisional copings;

With internal threads for a secure  
engagement of the screw;

Exact;

Neo Removable Screw.



## Installation Sequence

### In Mouth

GM Exact Click Anatomic Abutment with Neo Removable Screw			or	GM Exact Click Narrow Anatomic Abutment with Neo Removable Screw			
	3.5	2.5			3.5	2.5	1.5
17°	1.5 mm	2.5 mm		17°	1.5 mm	2.5 mm	3.5 mm
	114.862	114.863			114.868	114.869	114.870
	114.865	114.866			114.871	114.872	114.873

GM Exact Click Anatomic Abutment  
Provisional Coping



Impression of the GM Exact Click  
Anatomic Abutment

Lab stage

Finalized prosthesis

### In Lab

GM Implant Exact  
Impression Coping  
Closed and Open Tray <sup>2</sup>

Regular 108.160 108.162  
Long 108.161 108.163

GM Implant Analog

Ø 3.5/3.75 Ø 4.0/4.3 Ø 5.0/6.0 Hybrid Repositionable  
(conventional/digital)

101.103 101.089 101.090

GM Exact Click Anatomic  
Abutment Provisional Coping

118.334  
118.335 Narrow

GM Exact Click Anatomic Abutment with Neo Removable Screw			or	GM Exact Click Narrow Anatomic Abutment with Neo Removable Screw			
	3.5	2.5			3.5	2.5	1.5
17°	1.5 mm	2.5 mm		17°	1.5 mm	2.5 mm	3.5 mm
	114.862	114.863			114.868	114.869	114.870
	114.865	114.866			114.871	114.872	114.873

## Drivers

1 Neo Screwdriver Torque Connection + Torque Wrench

2 Neo Screwdriver Torque Connection + Manual Screwdriver Torque

## Accessories

Replacement  
Abutment Screw

116.291 Neo GM Screw - for abutments with 0.8-2.5 GH  
116.292 Neo GM Screw (Long) - for abutments with 3.5-5.5 GH



# GM Titanium Block for MEDENTiKA Holder

 Single-unit screw-retained prosthesis
  Single-unit cement-retained prosthesis
  Multiple-unit cement-retained prosthesis


 Ø 11.5/  
15.8 mm

Cementable area: 14.2 mm;

Exact.

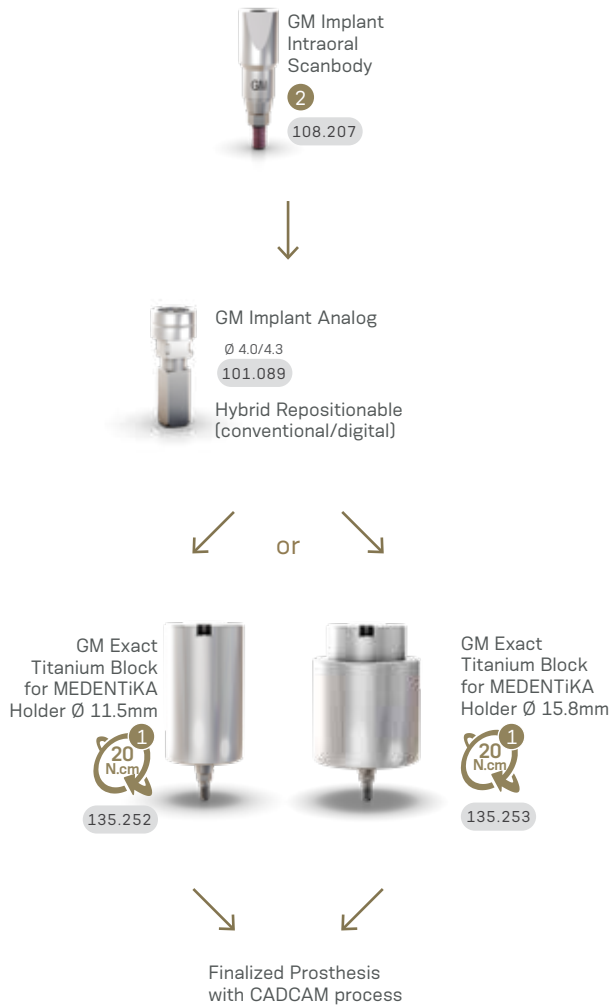


Screw sold separately.

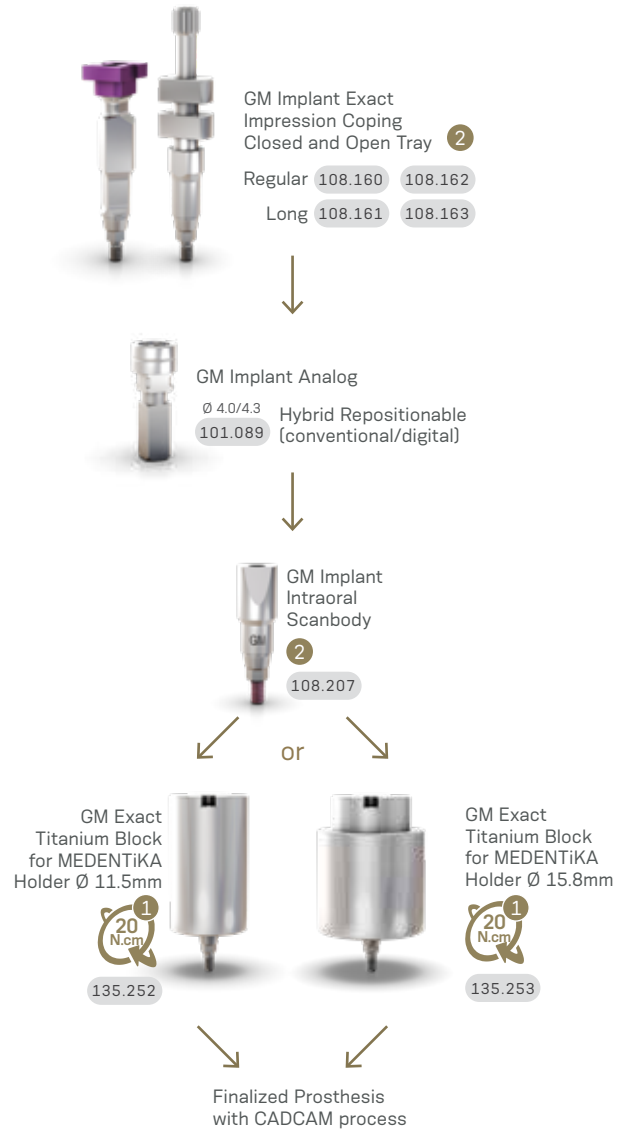
 Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

## Installation Sequence

### Complete Digital Workflow



### Semi Digital Workflow



## Drivers

1 Neo Screwdriver Torque Connection + Torque Wrench  
 2 Neo Screwdriver Torque Connection + Manual Screwdriver Torque

## Accessories

Sterile Screws sold separately  
 116.286 Titanium  
 116.285 Neotorque\*

\*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.

# GM Titanium Block for AG Holder



 Single-unit screw-retained prosthesis
  Single-unit cement-retained prosthesis
  Multiple-unit cement-retained prosthesis

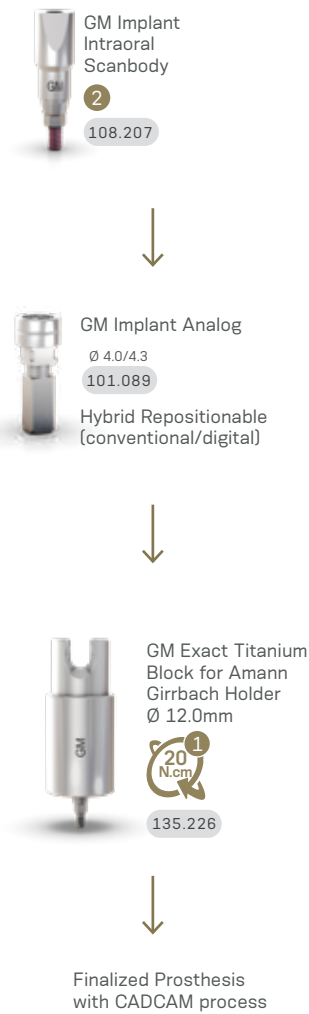
 Ø 12.0 mm

Screw sold separately.

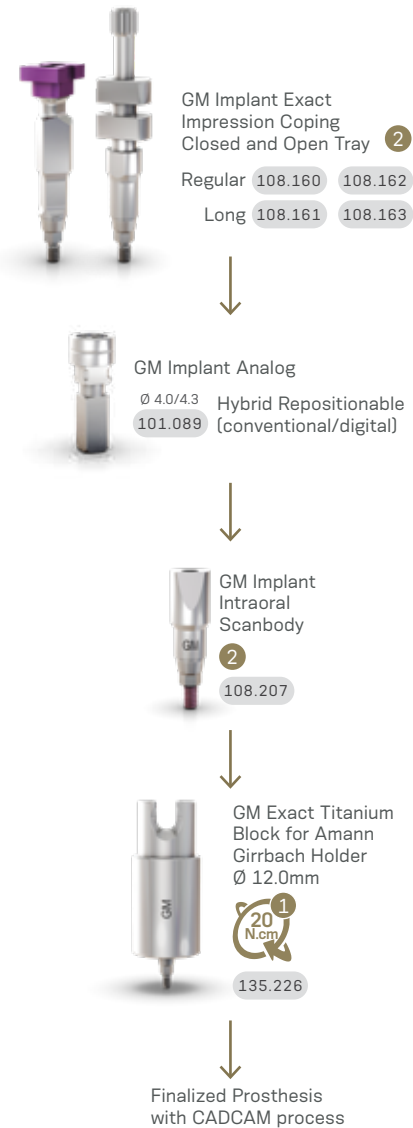
 Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

## Installation Sequence

### Complete Digital Workflow



### Semi Digital Workflow



## Drivers

1 Neo Screwdriver Torque Connection + Torque Wrench

2 Neo Screwdriver Torque Connection + Manual Screwdriver Torque

## Accessories

Sterile Screws sold separately  
 116.286 Titanium  
 116.285 Neotorque\*

\*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.

# GM Temporary Abutment



Single-unit screw-retained temporary prosthesis



Multiple-unit screw-retained temporary prosthesis



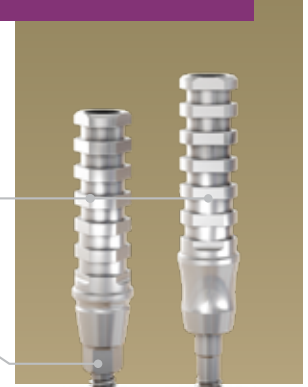
Ø 3.5/  
4.5 mm

Consider in addition 1.5 - 2.0 mm for the restorative material;

Channels of customization;

Interocclusal height of 10 mm (can be customized up to 4.0 mm);

Exact.



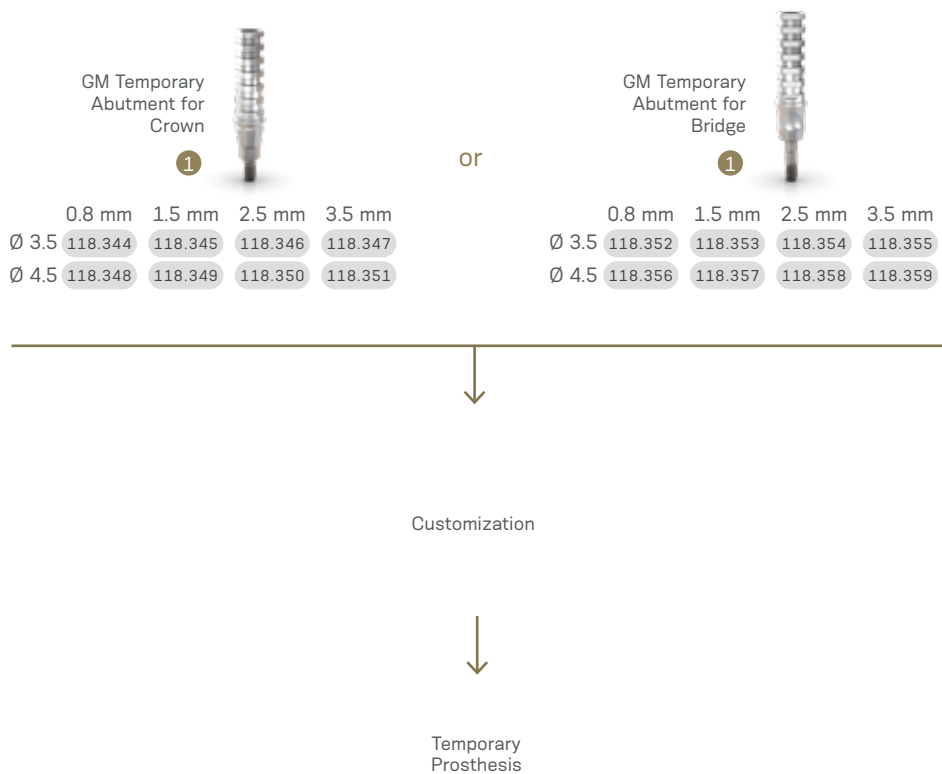
Customizable area made of titanium.

A minimum height of 4 mm of the customizable area must be kept.

With retentive grooves for acrylic material and allows customization.

Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

## Installation Sequence



## Drivers

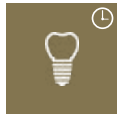


## Accessories



\*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.

# GM Pro Peek Abutment



Single-unit  
cement-retained  
temporary  
prosthesis



Ø 4.5/  
6.0 mm

Biocompatible Peek of easy customization.

Check it out on the eShop, go to:  
[neodent.com/shopnow](http://neodent.com/shopnow)

Consider in addition 1.5 - 2.0 mm for the restorative material;

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

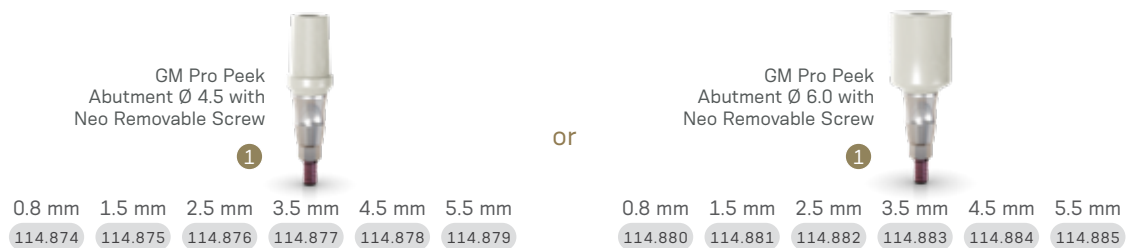
With internal threads for a secure engagement of the screw;

Exact;

Neo Removable Screw.



## Installation Sequence

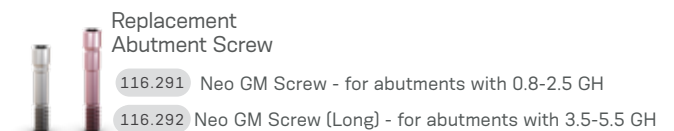


In mouth customization

## Drivers



## Accessories



# GM CoCr Abutment



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



Ø 4.1/4.5/  
5.0 mm

Consider in addition 1.5 - 2.0 mm for the restorative material;  
Interocclusal height of 12 mm (can be customized up to 5.0 mm);

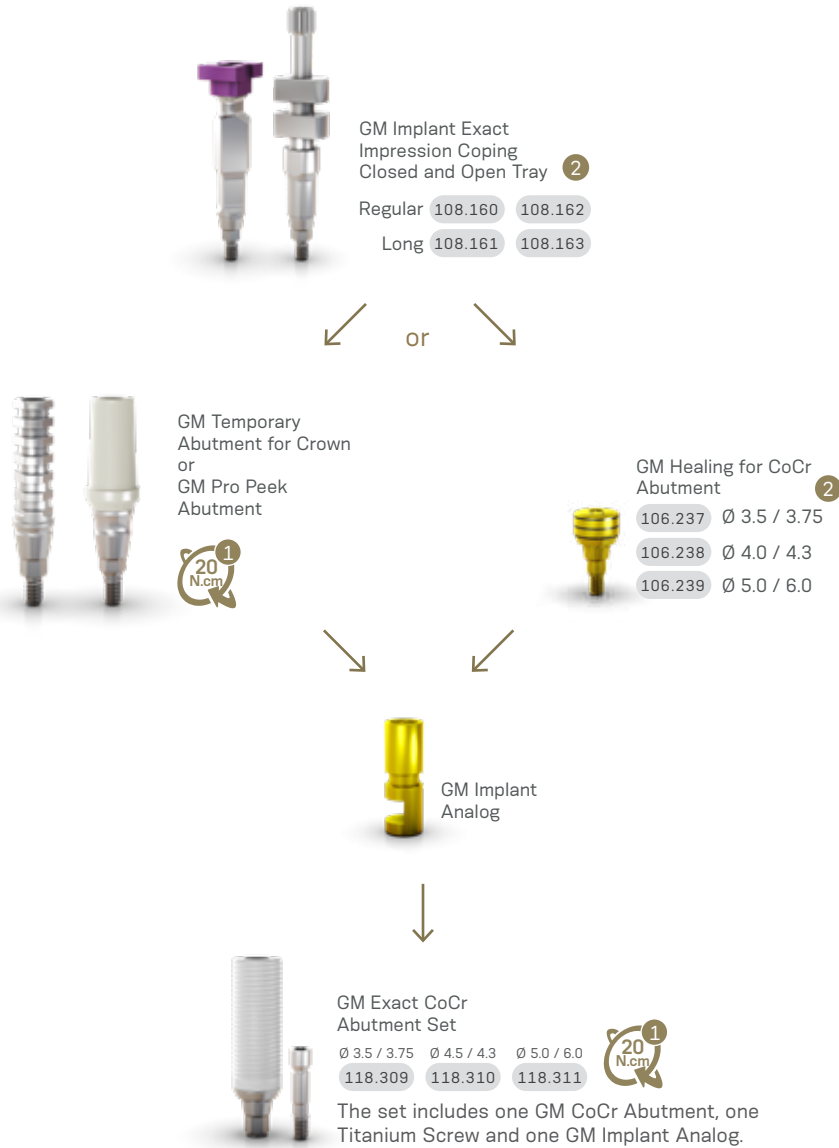


Exact.

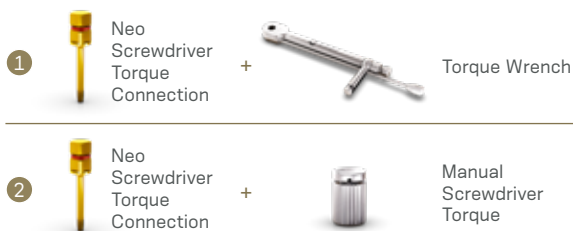
For implants placed at bone level.

Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

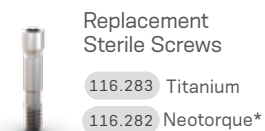
## Installation Sequence



## Drivers



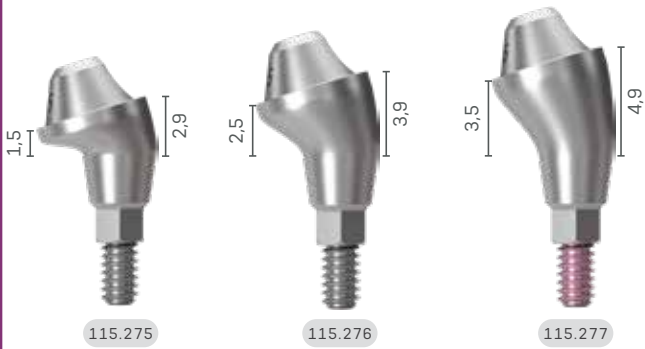
## Accessories



\*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.

# Measurements GM Mini Conical Abutment

17°

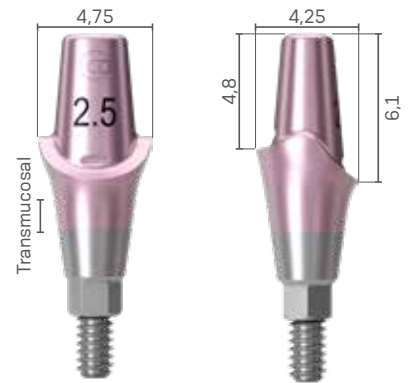


30°

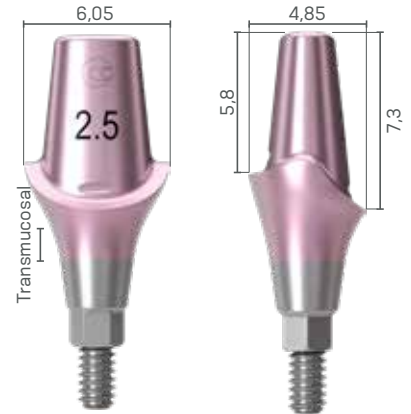


# Measurements GM Anatomic Abutment

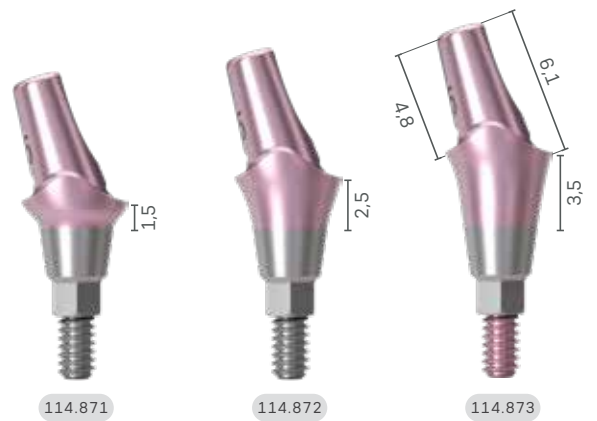
Narrow Anatomic  
Abutment



Anatomic  
Abutment



Narrow Anatomic Abutment 17°



Anatomic Abutment 17°



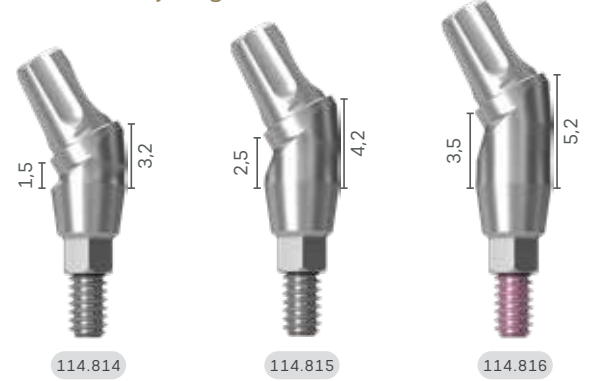


# Measurements GM Universal Abutment

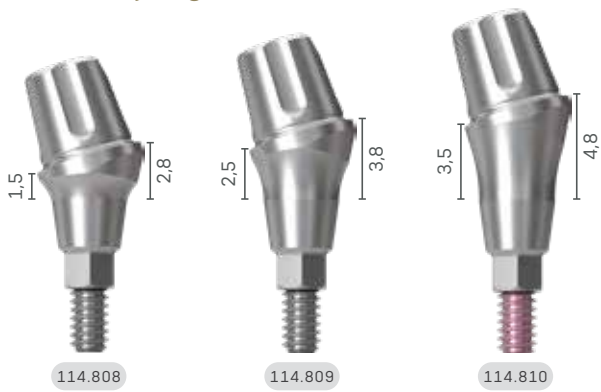
4 mm chimney height /  $\varnothing$  3.3 / 17°



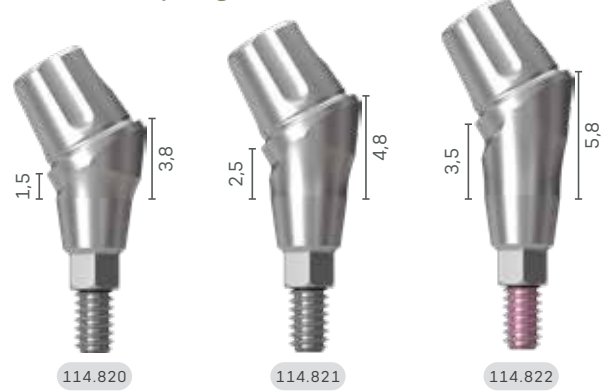
4 mm chimney height /  $\varnothing$  3.3 / 30°



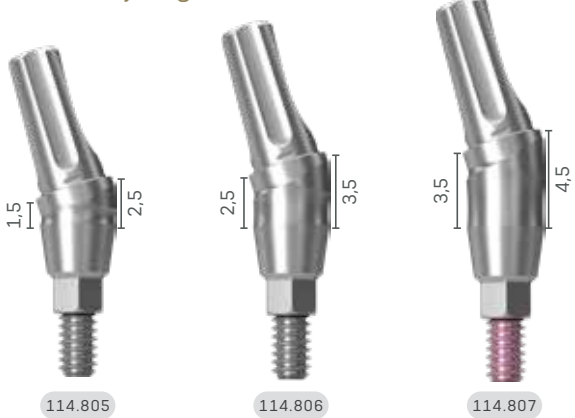
4 mm chimney height /  $\varnothing$  4.5 / 17°



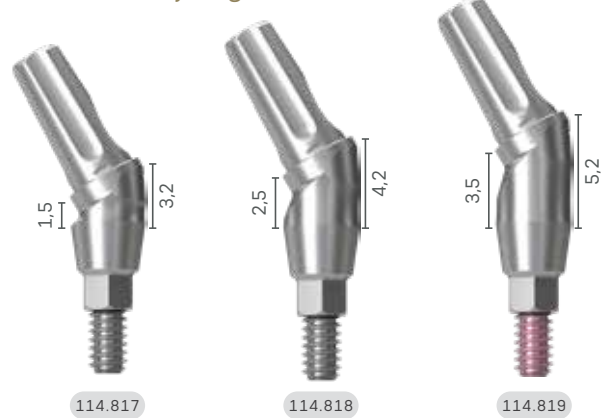
4 mm chimney height /  $\varnothing$  4.5 / 30°



6 mm chimney height /  $\varnothing$  3.3 / 17°



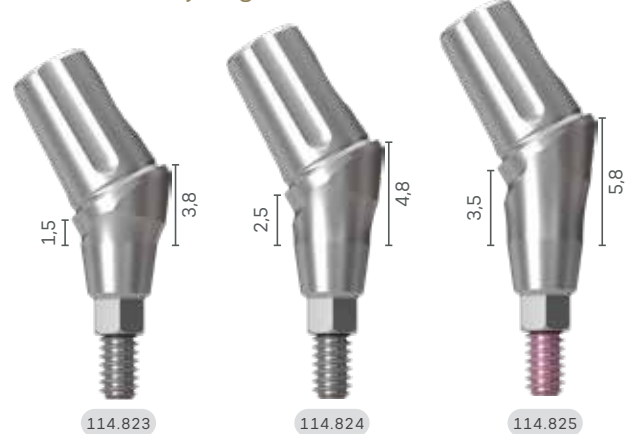
6 mm chimney height /  $\varnothing$  3.3 / 30°



6 mm chimney height /  $\varnothing$  4.5 / 17°



6 mm chimney height /  $\varnothing$  4.5 / 30°



# Grand Morse<sup>®</sup> Kits

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# Grand Morse® Surgical Kit

Autoclavable polymer case.

To order the pre-mounted version of the kit, with its complete composition with non-color coded drills, use code [110.302](#).



## Articles

- 110.288 GM Surgical Kit Case
- 103.162 Twist Drill 2.0 Plus
- 103.213 Pilot Drill 2.0/3.0 Plus
- 103.164 Twist Drill 3.0 Plus
- 103.166 Twist Drill 3.3 Plus
- 103.167 Twist Drill 3.8 Plus
- 103.168 Twist Drill 4.3 Plus
- 103.163 Twist Drill 2.8 Plus
- 103.170 Initial Drill Plus
- 103.513 Pilot Drill GM 2.8/3.5
- 103.514 Pilot Drill GM 3.0/3.75
- 103.515 Pilot Drill GM 3.3/4.0
- 103.516 Pilot Drill GM 4.3
- 103.517 Pilot Drill GM 4.3/5.0

- 103.578 Tapered Contour Drill 3.5
- 103.579 Tapered Contour Drill 3.75
- 103.580 Tapered Contour Drill 4.0
- 103.581 Tapered Contour Drill 4.3
- 103.582 Tapered Contour Drill 5.0
- 103.425 Tapered Drill 2.0
- 103.561 Tapered Drill 3.5
- 103.564 Tapered Drill 3.75
- 103.567 Tapered Drill 4.0
- 103.570 Tapered Drill 4.3
- 103.573 Tapered Drill 5.0
- 103.576 Tapered Drill 6.0
- 105.168 GM Implant Driver - Contra-Angle
- 104.060 Neo Screwdriver (Medium)

- 105.130 GM Implant Driver - Torque Wrench (Long)
- 104.028 Manual Implant Driver - Contra-Angle
- 105.129 GM Implant Driver - Torque Wrench (Short)
- 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
- 128.028 Height Measurer GM
- 129.004 Depth Probe
- 129.001 Titanium Tweezers
- 104.050 Torque Wrench
- 103.426 Drill Extension

Note: Items that compose Neodent® Kits are sold separately.

Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

# Helix GM® Compact Surgical Kit

Autoclavable polymer case.

The Kit allows the installation of Helix GM® Implants in all bone types.  
To order the pre-mounted version of the kit, with its complete composition with non-color coded drills, use code [110.303](#).



## Articles

- 110.297 Helix GM® Compact Surgical Kit Case
- 103.170 Initial Drill
- 103.425 Tapered Drill 2.0
- 103.561 Tapered Drill 3.5
- 103.564 Tapered Drill 3.75
- 103.567 Tapered Drill 4.0
- 103.570 Tapered Drill 4.3
- 103.573 Tapered Drill 5.0
- 103.576 Tapered Drill 6.0
- 103.577 Tapered Drill 7.0 (Short)\*
- 104.060 Neo Manual Screwdriver (Medium)
- 104.028 Manual Implant Driver - Contra-angle
- 103.426 Drill Extension
- 103.578 Tapered Contour Drill 3.5
- 103.579 Tapered Contour Drill 3.75
- 103.580 Tapered Contour Drill 4.0
- 103.581 Tapered Contour Drill 4.3
- 103.582 Tapered Contour Drill 5.0

- 105.168 GM Implant Driver - Contra-angle
- 105.130 GM Implant Driver - Torque Wrench (Long)
- 105.129 GM Implant Driver - Torque Wrench (Short)
- 103.513 GM Pilot Drill 2.8/3.5
- 103.514 GM Pilot Drill 3.0/3.75
- 103.515 GM Pilot Drill 3.3/4.0
- 103.516 GM Pilot Drill 4.3
- 103.517 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.

\*Tapered Drill 7.0 is not included in the pre-mounted kit composition (110.303).

Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)



# Neodent controlsystem



## TRUST YOURSELF

The surgical procedure for implant placement can be perceived as complex, especially when performed in the posterior regions with limited visibility, or in proximity with anatomical structures such as nerve canals. The Neodent® Control System brings confidence and efficiency building trust during the surgical procedure.

### Protect anatomical structures

The placement of implants requires accuracy, and the Neodent® Control System has been designed to reduce the risk against overdrilling and protecting anatomical structures such as nerves, the sinus or adjacent roots by securing the final depth.

### Master limited visibility

The Neodent® Control System helps to provide confidence during situations with reduced visibility due to adjacent teeth, limited mouth opening, blood, saliva, making it difficult to read the lines on a twisting drill by reaching the planned depth.



### Intuitive solution

The Neodent® Control System is a color coded solution facilitating the identification of the drill sequence, the diameter and length of the implant and the combination of drill stop and drill.



### Secure drill stop locking system

The Neodent® Control Drill Stop features a modern drill locking system enabling an easy and secure engaging into the drill, offering a peace-of-mind surgical experience.



### Multiple use solution

The Neodent® Control Drill Stops are made of titanium for professional cleaning and autoclaving allowing multiple use.

# User friendly kit retentive system

The Neodent® Control Drill Stop Kit includes an innovative retentive system.



A convenient and time-saving pick and drop mechanism during the surgical procedure.

## Neodent® Color Code overview



Color code according to implant length



## Compatible portfolio of Helix GM® Implants



Length	Diameter						
	3.5	3.75	4.0	4.3	5.0	6.0	7.0
8	✓	✓	✓	✓	✓	✓	✓
10	✓	✓	✓	✓	✓	✓	✓
11.5	✓	✓	✓	✓	✓	✓	✓
13	✓	✓	✓	✓	✓	✓	✓



DR ARANTZA RODRIGUEZ, from Spain

“Neodent®, compared to other brands, gives me security and long-term stability this is very confident for me and of course for my patient.”



# Helix GM<sup>®</sup> Compact Kit Control Stop Drills

Autoclavable polymer case.

The Kit allows the installation of Helix GM<sup>®</sup> Implants in all bone types, using the Neodent<sup>®</sup> Control Stop Drills.

To order the pre-mounted version of the kit, with its complete composition, use code [110.308](#).



## Articles

- 110.297 Helix GM<sup>®</sup> Compact Surgical Kit Case
- 103.170 Initial Drill
- 103.492 Tapered Control Stop Drill 2.0
- 103.493 Tapered Control Stop Drill 3.5
- 103.494 Tapered Control Stop Drill 3.75
- 103.495 Tapered Control Stop Drill 4.0
- 103.496 Tapered Control Stop Drill 4.3
- 103.497 Tapered Control Stop Drill 5.0
- 103.498 Tapered Control Stop Drill 6.0 (Short)
- 103.499 Tapered Control Stop Drill 7.0 (Short)\*
- 104.060 Neo Manual Screwdriver (Medium)
- 104.028 Manual Implant Driver - Contra-angle

- 103.426 Drill Extension
- 103.500 Tapered Control Stop Drill 3.5+
- 103.501 Tapered Control Stop Drill 3.75+
- 103.502 Tapered Control Stop Drill 4.0+
- 103.503 Tapered Control Stop Drill 4.3+
- 103.504 Tapered Control Stop Drill 5.0+
- 105.168 GM Implant Driver - Contra-angle GM
- 105.130 Implant Driver - Torque Wrench (Long)
- 105.129 GM Implant Driver - Torque Wrench (Short)
- 103.513 Pilot Drill 3.5
- 103.514 Pilot Drill 3.75
- 103.515 Pilot Drill 4.0

- 103.516 Pilot Drill 4.3
- 103.517 Pilot Drill 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<sup>®</sup> Kits are sold separately.

\*Tapered Control Stop Drill 7.0 is not included in the pre-mounted kit composition (110.308).

 Check it out on the eShop, go to: [neodent.com/shopnow](https://neodent.com/shopnow)

# Control Drill Stop Kit

Autoclavable polymer case.

The Kit allows the sterilization and engagement of Neodent<sup>®</sup> Control Drill Stops on the drills.

To order the pre-mounted version of the kit, with its complete composition, use code [110.306](#).



## Articles

- 110.307 Control Drill Stop Kit Case
- 125.144 8.0 Control Drill Stop D2.0
- 125.145 10.0 Control Drill Stop D2.0
- 125.146 11.5 Control Drill Stop D2.0
- 125.147 13.0 Control Drill Stop D2.0
- 125.148 8.0 Control Drill Stop D3.5
- 125.149 10.0 Control Drill Stop D3.5
- 125.150 11.5 Control Drill Stop D3.5
- 125.151 13.0 Control Drill Stop D3.5
- 125.152 8.0 Control Drill Stop D3.75/4.0
- 125.153 10.0 Control Drill Stop D3.75/4.0
- 125.154 11.5 Control Drill Stop D3.75/4.0

- 125.155 13.0 Control Drill Stop D3.75/4.0
- 125.156 8.0 Control Drill Stop D4.3/5.0
- 125.157 10.0 Control Drill Stop D4.3/5.0
- 125.158 11.5 Control Drill Stop D4.3/5.0
- 125.159 13.0 Control Drill Stop D4.3/5.0
- 125.160 8.0 Control Drill Stop D6.0/7.0
- 125.161 10.0 Control Drill Stop D6.0/7.0
- 125.162 11.5 Control Drill Stop D6.0/7.0
- 125.163 13.0 Control Drill Stop D6.0/7.0

Note: Items that compose Neodent<sup>®</sup> Kits are sold separately.

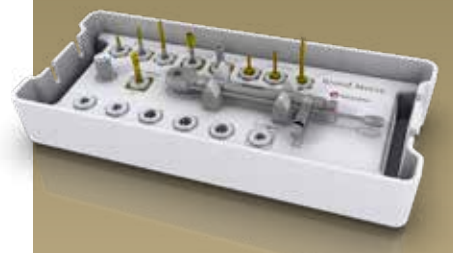
 Check it out on the eShop, go to: [neodent.com/shopnow](https://neodent.com/shopnow)



# 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

- 110.294 GM Prosthetic Kit Case
- 105.146 Neo Screwdriver Torque Connection - Contra-angle (Extra-short)
- 105.135 Neo Screwdriver Torque Connection - Contra-angle (Short)
- 105.136 Neo Screwdriver Torque Connection - Contra-angle (Medium)
- 105.138 Hexagonal Prosthetic Driver - Contra-angle
- 105.137 Hexagonal Prosthetic Driver - Torque Wrench
- 105.133 Neo Screwdriver Torque Connection (Short) - Torque Wrench
- 105.132 Neo Screwdriver Torque Connection (Medium) - Torque Wrench
- 105.157 Neo Long Screwdriver for Torque Wrench
- 104.005 Manual Screwdriver Torque
- 128.028 GM Height Measurer
- 104.050 Torque Wrench

Note: Items that compose Neodent® Kits are sold separately.

 Check it out on the eShop, go to: [neodent.com/shopnow](https://neodent.com/shopnow)

# 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

- |                                      |  |   |
|--------------------------------------|--|---|
| 110.295 GM Try-In Kit Case           | 114.782 GM Abutment Try-In 4.5X6X4.5     | 114.793 GM Abutment Try-In 30° 4.5X6X1.5        |
| 114.772 GM Abutment Try-In 3.3X6X0.8 | 114.783 GM Abutment Try-In 4.5X6X5.5     | 114.794 GM Abutment Try-In 30° 4.5X6X2.5        |
| 114.773 GM Abutment Try-In 3.3X6X1.5 | 114.784 GM Abutment Try-In 17° 3.3X6X1.5 | 114.795 GM Abutment Try-In 30° 4.5X6X3.5        |
| 114.774 GM Abutment Try-In 3.3X6X2.5 | 114.785 GM Abutment Try-In 17° 3.3X6X2.5 | 114.796 GM Anatomic Abutment Try-In 1.5         |
| 114.775 GM Abutment Try-In 3.3X6X3.5 | 114.786 GM Abutment Try-In 17° 3.3X6X3.5 | 114.797 GM Anatomic Abutment Try-In 2.5         |
| 114.776 GM Abutment Try-In 3.3X6X4.5 | 114.787 GM Abutment Try-In 17° 4.5X6X1.5 | 114.798 GM Anatomic Abutment Try-In 3.5         |
| 114.777 GM Abutment Try-In 3.3X6X5.5 | 114.788 GM Abutment Try-In 17° 4.5X6X2.5 | 114.799 GM Lateral Anatomic Abutment Try-In 1.5 |
| 114.778 GM Abutment Try-In 4.5X6X0.8 | 114.789 GM Abutment Try-In 17° 4.5X6X3.5 | 114.800 GM Lateral Anatomic Abutment Try-In 2.5 |
| 114.779 GM Abutment Try-In 4.5X6X1.5 | 114.790 GM Abutment Try-In 30° 3.3X6X1.5 | 114.801 GM Lateral Anatomic Abutment Try-In 3.5 |
| 114.780 GM Abutment Try-In 4.5X6X2.5 | 114.791 GM Abutment Try-In 30° 3.3X6X2.5 | 104.058 Neo Manual Screwdriver (Short)          |
| 114.781 GM Abutment Try-In 4.5X6X3.5 | 114.792 GM Abutment Try-In 30° 3.3X6X3.5 | 128.028 GM Height Measurer                      |

Note: Items that compose Neodent® Kits are sold separately.

 Check it out on the eShop, go to: [neodent.com/shopnow](https://neodent.com/shopnow)

# Grand Morse<sup>®</sup> Instruments

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### Initial Drill

- :: Available in surgical steel;
- :: 2.0mm diameter.

103.170

### Tapered Drills

- :: Available in surgical steel;
- :: Drill sequence for Helix GM® and Drive GM® Implants;
- :: With a color code according to the drill diameter.



	Short 31 mm	Regular 35 mm	Long 43 mm
Ø 2.0	103.559	103.425	103.560
Ø 3.5	103.562	103.561	103.563
Ø 3.75	103.565	103.564	103.566
Ø 4.0	103.568	103.567	103.569
Ø 4.3	103.571	103.570	103.572
Ø 5.0	103.574	103.573	103.575
Ø 6.0	103.576		
Ø 7.0	103.577		

### Tapered+ Drills

- :: For preparing the implant bed in bone types I and II for Helix GM® Implants;
- :: With a color code according to the drill diameter and 2 stripes of color for identification.



Ø 3.5+	103.578
Ø 3.75+	103.579
Ø 4.0+	103.580
Ø 4.3+	103.581
Ø 5.0+	103.582

### Pilot Drills

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



Ø 2/3	103.213		
Ø 3.5	103.513	Ø 5.0	103.517
Ø 3.75	103.514	Ø 3.8/4.3	103.214
Ø 4.0	103.515	Ø 4.3/5.3	103.215
Ø 4.3	103.516	Ø 5.3/6	103.221

### Twist Drills

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



	Short 31 mm	Regular 35 mm	Long 43 mm
Ø 2.0	103.222	103.162	103.228
Ø 2.8	103.223	103.163	103.229
Ø 3.0	103.224	103.164	103.230
Ø 3.3	103.225	103.166	103.231
Ø 3.8	103.226	103.167	
Ø 4.3	103.227	103.168	

### Tapered Control Stop Drills

- :: Available in surgical steel;
- :: Drill sequence for Helix GM® Implants;
- :: Attachment to engage drill stops;
- :: With a color code according to the drill diameter.



Ø 2.0	103.492	Ø 4.3	103.496
Ø 3.5	103.493	Ø 5.0	103.497
Ø 3.75	103.494	Ø 6.0	103.498
Ø 4.0	103.495	Ø 7.0	103.499

### Tapered+ Control Stop Drills

- :: Available in surgical steel;
- :: For preparing the implant bed in bone types I and II for Helix GM® Implants;
- :: Attachment to engage drill stops;
- :: With a color code according to the drill diameter and 2 stripes of color for identification.



Ø 3.5+	103.500	Ø 4.3+	103.503
Ø 3.75+	103.501	Ø 5.0+	103.504
Ø 4.0+	103.502		

### Control Drill Stops

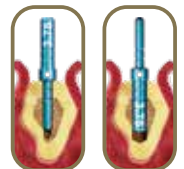
- :: Available in titanium;
- :: To be used in association with the Control Stop Drills;
- :: Physical control for drilling depth.



	8 mm	10 mm	11.5 mm	13 mm
Ø 2.0	125.144	125.145	125.146	125.147
Ø 3.5	125.148	125.149	125.150	125.151
Ø 3.75/4.0	125.152	125.153	125.154	125.155
Ø 4.3/5.0	125.156	125.157	125.158	125.159
Ø 6.0/7.0	125.160	125.161	125.162	125.163

### 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.



2.8/3.5	128.019	3.6/4.3	128.022
3.0/3.75	128.020	4.3/5.0	128.023
3.3/4.0	128.021		

### Drill Extension

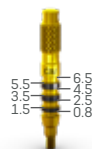
- :: Available in surgical steel;
- :: Fit the drill directly into the Drill Extension.



103.426

### GM Height Measurer

- :: Available in titanium;
- :: For selecting GM prosthetic abutments;
- :: Marks corresponding to transmucosa heights.
- :: Can be used as X-Ray Positioner.



128.028



### 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.

<b>NEW</b>	Regular	Long
	105.168	105.176

### 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..

Short	Long
22 mm	30 mm
105.129	105.130

### Neo Screwdriver Torque Connection - Torque Wrench



- :: Available in surgical steel;
- :: Yellow color for line identification.

Short	Medium	Long
16.5 mm	22 mm	32 mm
105.133	105.132	105.157

### Neo Manual Screwdriver



- :: Available in surgical steel;
- :: Yellow color for line identification

Short	Medium	Long
21 mm	25 mm	37 mm
104.058	104.060	104.070

### Neo Screwdriver Torque Connection - Contra-angle



- :: Available in surgical steel;
- :: Yellow color for line identification;
- :: Extra Short Neo Screwdriver Torque Connection - Contra-angle (105.146) recommended for Impression Copings, Cover Screws and Healing Abutments.

Extra Short	Short	Long	Extra Long
16.5 mm	24 mm	31 mm	37 mm
105.146	105.135	105.160	105.167

### Hexagonal Prosthetic Driver



- :: Available in surgical steel;
- :: To install and apply torque over straight GM Mini Conical Abutments and GM Micro Abutments;

Contra-angle	Torque Wrench
105.138	105.137

### Angled Solution Screwdriver for Torque Wrench



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

Short	Medium	Long
16.5 mm	22.5 mm	28.5 mm
105.150	105.151	105.152

### Angled Solution Screwdriver for Contra-angle



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

Short	Medium	Long
20 mm	26 mm	32 mm
105.147	105.148	105.149

### 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.

103.424

### 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.

17°	30°
128.030	128.031

### 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.

17°	30°
128.032	128.033

### Control Stop Kit Holder



- :: Available in polymer;
- :: Replacement piece;
- :: To keep the stops organized and to engage and remove them from the drills.

110.310

## 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.

Contra-angle  
Connections  
104.028

Torque Wrench  
Connections  
104.005

## Remover for Abutments with internal threads



- :: Available in surgical steel;
- :: To remove abutments with internal threads from the implants, after removal of the screws;
- :: Compatible with abutments with Neo removable Screws

Regular  
130.118

Long  
130.114

## Remover for Neo Screws



- :: Available in surgical steel;
- :: Compatible with Neo removable screws for abutments

Regular  
130.119

Long  
130.115

## Torque Wrench



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

104.050

## Removal Sets for Abutments with internal threads and Neo Screws

- :: Available in surgical steel;
- :: To remove Neo Removable Screws and abutments with internal threads from the implants, after removal of the screws;
- :: Compatible with abutments with Neo removable Screws



Regular  
130.117

Long  
130.116

 Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)



# Neodent easyguide

## SIMPLICITY AT ONE HAND

Neodent® is designed to offer straightforward guided surgery techniques enabling predictable surgical results, efficient treatment protocols and patient treatment acceptance.



### STRAIGHTFORWARD GUIDED SURGERY TECHNIQUE

Surgical convenience with one-hand procedures



### EFFICIENT TREATMENT PROTOCOLS

Intuitive and simple technique



### PREDICTABLE SURGICAL RESULTS

Confidence for accurate implant positioning



### PATIENT TREATMENT ACCEPTANCE

Communication building trust and patient engagement



### NEODENT® EASYGUIDE ENABLES ONE-HAND PROCEDURES WITH NO DRILL HANDLES

Simple technique

Reduced number of instruments

Surgeries can be performed without assistance

## ONE DRILL DESIGN

The unique geometry of the Neodent® EasyGuide tapered drills is indicated for all bone types and dismisses the need for additional drill types or taps, simplifying the drilling sequence.



COLOR CODE ACCORDING TO IMPLANT DIAMETER



BUILT-IN TITANIUM STOP FOR PHYSICAL DEPTH CONTROL, WITH COLOR MATCHING THE SLEEVE IN THE SURGICAL GUIDE



LASER-MARKED LENGTH



ACTIVE PORTION MATCHING IMPLANT LENGTHS



DR FERNANDO DUQUE, from France

“The Easy Guide is easy to use, I think it’s completely friendly. The tools they provide us are easy to use and we can achieve excellent prosthetics and surgical outcomes with this. ”







### FULLY GUIDED IMPLANT INSERTION

- Implant driver fits the sleeve, for a fully guided insertion with physical depth control;
- Offset: 10 mm.

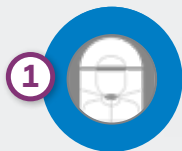


### FULLY GUIDED BED PREPARATION

- Intimate contact between drill and sleeve for accuracy in angulation;
- Depth control with stop drills,

#### 1. DATA ACQUISITION

3D (CB)CT scan  
(DICOM) Intraoral or lab scanning (STL images)



**2. VIRTUAL PLANNING**  
Implant positioned respecting the patient's anatomy and prosthetic outcome. Neodent® EasyGuide is compatible with major software.

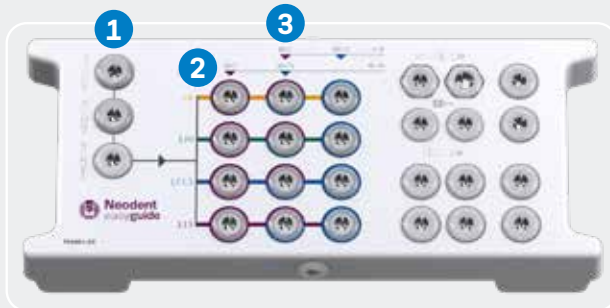
#### 3. SURGICAL GUIDE PRODUCTION

The surgical guide must contain the sleeves that guide the instruments and the implants.

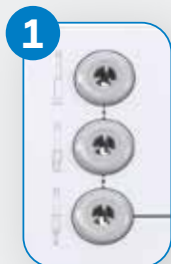
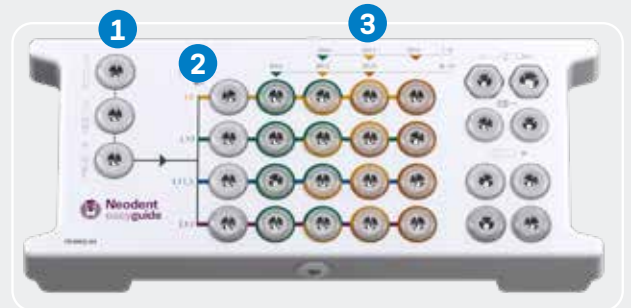


**4. SURGICAL PROCEDURE**  
Neodent® EasyGuide presents two surgical kits, selected according to the implant diameter.

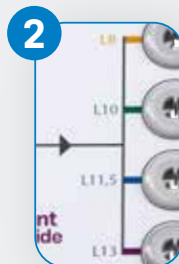
#### EASYGUIDE KIT NARROW/REGULAR • Ø 3.5, Ø 3.75



#### EASYGUIDE KIT REGULAR/WIDE • Ø 4.0, Ø 4.3, Ø 5.0



**1** UNIQUE START REGARDLESS OF BONE TYPE



**2** STRAIGHTFORWARD IMPLANT LENGTH IDENTIFICATION



**3** COLOR CODED DRILL SEQUENCE FOR EACH IMPLANT DIAMETER



NARROW SLEEVE: Ø3.5/Ø3.75



REGULAR SLEEVE: Ø4.0/Ø4.3/Ø5.0



DR MAJA CHMIELEWSKA, from Poland

“In the clinic, we do 100% of our surgeries guided, it's really helpful. The prosthodontic restoration in the end of the treatment, but also for patient comfort and for the fluency of our surgeries. I would strongly recommend to start this way! Easy Guides is very helpful and very fluent for our use and surgical practice.”

Neodent®  
EasyGuide  
Kits

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# Neodent® EasyGuide Kit for Narrow/Regular Diameter Implants

Autoclavable polymer case.

The kit allows the installation of Helix GM® Implants of Ø3.5 and Ø3.75 in all bone types, using the Neodent® EasyGuide Guided Surgery Technique.



## Articles

- 110.313 EasyGuide Kit Narrow/Reg. Diam. Tray
- 125.170 GM Narrow Stabilizer - 3 units per kit
- 105.169 GM Narrow Driver for Contra-angle
- 105.162 GM Narrow Driver for Torque Wrench
- 103.583 Narrow Mucosa Punch
- 103.519 Narrow Bone Leveling Drill
- 103.545 Narrow Initial Drill
- 103.546 Narrow Tapered Drill D3.5X8
- 103.547 Narrow Tapered Drill D3.5X10
- 103.548 Narrow Tapered Drill D3.5X11.5
- 103.549 Narrow Tapered Drill D3.5X13
- 103.550 Narrow Tapered Drill D3.5/3.75X8

- 103.551 Narrow Tapered Drill D3.5/3.75X10
- 103.552 Narrow Tapered Drill D3.5/3.75X11.5
- 103.553 Narrow Tapered Drill D3.5/3.75X13
- 103.554 Narrow Tapered Drill D3.75X8
- 103.555 Narrow Tapered Drill D3.75X10
- 103.556 Narrow Tapered Drill D3.75X11.5
- 103.557 Narrow Tapered Drill D3.75X13
- 105.167 Long Neo Screwdriver for Contra-angle\*
- 104.060 Neo Manual Screwdriver (Medium)
- 103.558 Drill for Palatal Setter
- 125.176 Palatal Setter
- 103.395 Guided Surgery Drill 1.3

- 125.142 Fixation Clamp - 3 units per kit
- 129.034 Depth Probe
- 104.050 Torque Wrench

 Check it out on the eShop, go to: [neodent.com/shopnow](https://neodent.com/shopnow)

Note: Items that compose Neodent® Kits are sold separately. \*Check the availability.

# Neodent® EasyGuide Kit for Regular/Wide Diameter Implants

Autoclavable polymer case.

The kit allows the installation of Helix GM® Implants of Ø4.0, Ø4.3 and Ø5.0 in all bone types, using the Neodent® EasyGuide Guided Surgery Technique.



## Articles

- 110.314 EasyGuide Kit Reg./Wide Diam. Tray
- 125.171 GM Regular Stabilizer - 3 units per kit
- 105.170 GM Regular Driver for Contra-angle
- 105.164 GM Regular Driver for Torque Wrench
- 103.584 Regular Mucosa Punch
- 103.518 Regular Bone Leveling Drill
- 103.520 Regular Initial Drill
- 103.521 Regular Tapered Drill D2.7X8
- 103.522 Regular Tapered Drill D2.7X10
- 103.523 Regular Tapered Drill D2.7X11.5
- 103.524 Regular Tapered Drill D2.7X13
- 103.529 Regular Tapered Drill D4.0X8

- 103.530 Regular Tapered Drill D4.0X10
- 103.531 Regular Tapered Drill D4.0X11.5
- 103.532 Regular Tapered Drill D4.0X13
- 103.533 Regular Tapered Drill D4.0/4.3X8
- 103.534 Regular Tapered Drill D4.0/4.3X10
- 103.535 Regular Tapered Drill D4.0/4.3X11.5
- 103.536 Regular Tapered Drill D4.0/4.3X13
- 103.537 Regular Tapered Drill D4.3/5.0X8
- 103.538 Regular Tapered Drill D4.3/5.0X10
- 103.539 Regular Tapered Drill D4.3/5.0X11.5
- 103.540 Regular Tapered Drill D4.3/5.0X13
- 103.541 Regular Tapered Drill D5.0X8

- 103.542 Regular Tapered Drill D5.0X10
- 103.543 Regular Tapered Drill D5.0X11.5
- 103.544 Regular Tapered Drill D5.0X13
- 105.167 Long Neo Screwdriver for Contra-angle\*
- 104.060 Neo Manual Screwdriver (Medium)
- 103.558 Drill for Palatal Setter
- 125.176 Palatal Setter
- 103.395 Guided Surgery Drill 1.3
- 125.142 Fixation Clamp - 3 units per kit
- 129.034 Depth Probe
- 104.050 Torque Wrench

 Check it out on the eShop, go to: [neodent.com/shopnow](https://neodent.com/shopnow)

Note: Items that compose Neodent® Kits are sold separately. \*Check the availability.

Neodent®  
EasyGuide  
Instruments

---



### Narrow Tapered Drills

- :: Available in surgical steel;
- :: For Helix GM® implants with Ø3.5 and Ø3.75 in diameter;
- :: Built-in titanium stops for a fully-guided procedure, matching the color of the sleeve of the surgical guide;
- :: Color code according to implant diameter;
- :: Laser-marked length.

	Ø 3.5	Ø 3.5/3.75	Ø 3.75
8.0	103.546	103.550	103.554
10.0	103.547	103.551	103.555
11.5	103.548	103.552	103.556
13.0	103.549	103.553	103.557



### Regular Tapered Drills

- :: Available in surgical steel;
- :: For Helix GM® implants with Ø4.0, Ø4.3 and Ø5.0 in diameter;
- :: Built-in titanium stops for a fully-guided procedure matching the color of the sleeve of the surgical guide;
- :: Color code according to implant diameter;
- :: Laser-marked length.

	Ø 2.7	Ø 4.0	Ø 4.0/4.3	Ø 4.3/5.0	Ø 5.0
8.0	103.521	103.529	103.533	103.537	103.541
10.0	103.522	103.530	103.534	103.538	103.542
11.5	103.523	103.531	103.535	103.539	103.543
13.0	103.524	103.532	103.536	103.540	103.544



### Guided Surgery Drill 1.3 and Guide Clamp

- :: Drill available in stainless steel;
- :: Guide Clamp available in titanium;
- :: For initial fixation of the surgical guide.

Drill Ø 1.3	Guide Clamp
103.395	125.142



### Drill and Palatal Setter

- :: Drill and Palatal Setter available in stainless steel;
- :: Palatal Setter placed with the GM Implant Driver for Contra-angle;
- :: Maximum torque of 20 N.cm.

Drill	Palatal Setter
103.558	125.176



### Mucosa Punches

- :: Available in stainless steel;
- :: To remove the mucosa before beginning the osteotomy.
- :: Rotation recommended: 60 rpm.

Narrow	Regular
103.583	103.584



### Bone Leveling Drills

- :: Available in stainless steel;
- :: Built-in titanium stops matching the color of the sleeve of the surgical guide;
- :: For flattening bone surface before osteotomy.

Narrow	Regular
103.519	103.518



### Initial Drills

- :: Available in stainless steel;
- :: Built-in titanium stops matching the color of the sleeve of the surgical guide;;
- :: For rupture of the cortical bone.

Narrow	Regular
103.545	103.520

Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)



### GM Drivers for Contra-Angle

- :: Available in stainless steel;
- :: Color-coded according to the sleeve of the surgical guide;
- :: To start the implant placement through the surgical guide;
- :: Maximum torque 35 N.cm.

Narrow Regular  
105.169 105.170



### Neo Manual Screwdriver

- :: Available in surgical steel and titanium.

Medium  
25 mm

104.060



### GM Drivers for Torque Wrench

- :: Available in stainless steel;
- :: To finish the implant placement through the surgical guide;
- :: Maximum torque 60 N.cm.

Narrow Regular  
105.162 105.164



### Neo Screwdriver Torque Connection - Contra-angle

- :: Available in stainless steel;
- :: Maximum torque 20 N.cm.

Long Extra Long  
31 mm 37 mm

105.160 105.167



### Guide Stabilizers

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

Narrow Regular  
125.170 125.171



### Torque Wrench

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

104.050

### Depth Probe

- :: Available in titanium;
- :: With marks matching the Helix GM® implant lengths.



129.034

### Sleeves for Neodent® EasyGuide

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



125.165 Regular Sleeve D5.2



125.168 Narrow Sleeve D3.93



125.177 Sleeve for Palatal Setter



125.143 Sleeve for Fixation Clamp

 Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)







# A SMILE FOR EVERYONE

## NEODENT® NEOARCH®

### IMMEDIATE FIXED FULL-ARCH SOLUTION

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<sup>(10)</sup>.



DR PEDRO RODRIGUES, from Portugal



“This amazing conical connection with these new abutments. It’s very, very nice because we can put your implants deep and you can keep that precious bone around the neck of the implant, and you put your abutment without using bone profiler, so you get the best outcome of soft tissues. //



Immediate function resulting in shorter treatment times.

- Different implants techniques to avoid the use of grafting procedure<sup>(1,1)</sup>.
- Optimized implant design to achieve high primary stability in all bone types<sup>(1,2)</sup>.



Immediate natural-looking esthetics with versatile restorative options.

- Broad range of gingival heights to attend varied clinical needs.
- Options of straight and angled abutments (0°, 17°, 30°, 45°, 52° & 60°).



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®



Helix GM® Long



Zygoma GM™



Zygoma-S GM



BONE RESORPTION



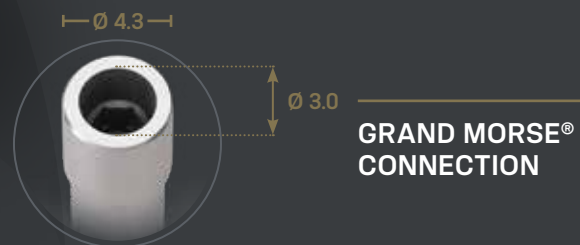
DR JOE BHAT, from United Kingdom

“NeoArch has transformed my full arch reconstructions in my practice. The amount of primary stability I guess in the GM implants is second to none. ”



## Zygoma-S

Greatness in severe atrophic maxilla cases



Meeting edentulous patients' expectations of shorter treatment times and immediate aesthetic and functional improvements present significant challenges for clinicians, especially in patients with anatomical deficiencies. Neodent® GM Zygoma-S Implant System is part of the NeoArch® Grand Morse solution, and offers an optimized solution for immediate fixed treatment protocols in edentulous patients with severe atrophic maxilla, allowing significantly improve patient satisfaction<sup>[10]</sup>.

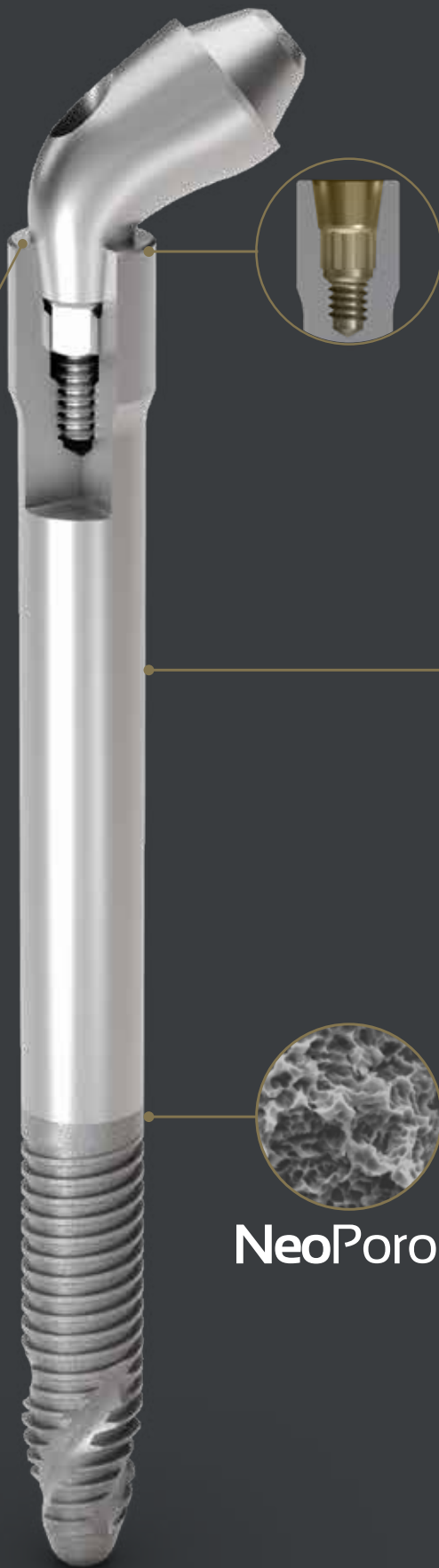
Visit our website to get further information about **Zygoma-S**.

 [neodent.com/zygoma-s](https://neodent.com/zygoma-s)



Scan, click on QR or visit the link below and learn more about this **unique feature**:

 [neodent.com/zygoma-s\\_implant](https://neodent.com/zygoma-s_implant)

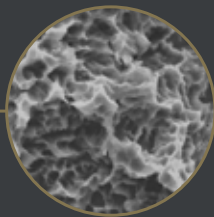


### **GRAND MORSE® CONNECTION: A STABLE AND STRONG FOUNDATION DESIGNED FOR LONG TERM SUCCESS.**

- One prosthetic connection for all Grand Morse® Implants: ease of use.
- 16° Morse Taper connection: designed to ensure a tight fit for an optimal connection seal.
- Platform switching morse taper connection: fulfills the platform switching concept.
- Deep Morse taper connection: designed for optimal load distribution.
- Internal Indexation: precise abutment positioning, protection against rotation and easy handling.

### **IMPLANT DESIGNED TO PROVIDE VERSATILE POSSIBILITIES OF PLACEMENT<sup>[18]</sup>, RESULTING IN ANATOMICAL EFFICIENCY**

- Implant designed to extra maxillary or intra sinus cases.
- Associated with regular implants or Quad Zygoma placement.
- 3.5mm and 3.75mm of diameter.
- Smooth Machined Surface in the implant body maintains soft-tissue preservation<sup>[12]</sup>.
- Coronal portion with 4.3mm of diameter designed to ensure resistance and a tight fit for an optimal connection seal.
- Ten different lengths: 30 / 35 / 37.5 / 40 / 42.5 / 45 / 47.5 / 50 / 52.5 / 55 mm.



**NeoPoros**

### **HELIX® GRAND MORSE®: UNBEATABLE VERSATILITY.**

- Progressive depth threads at the apical area allow under-prepping of the osteotomy.
- Apex with Neoporos surface, potentializing the osseointegration to enhance the zygomatic anchorage.
- Hybrid contour: enable stability with vertical placement flexibility.
- Dynamic progressive thread design designed to achieve high primary stability in all bone types.
- Active apex: self-tapping.



**A SMILE FOR EVERYONE**



# Neodent® Zygoma GM™, Helix GM® Long and GM Zygoma-S Implant Packaging

Neodent® packaging has been specially updated for easy handling and safe surgical procedures, providing safety from implant stocking to the capture and transport to implant bed. The implant's features, such as type, diameter and length, are identifiable on the outside of the packaging.

Three self-adhesive labels are provided for recording in the patient's medical records and for reporting to the prosthesis team. They also allows traceability for all articles.



## Package instruction of use

After opening the blister, note that the implant will remain attached at the lid. In order to break the base holder of the implant, hold the lid and apply a contra-torque with the GM Connection for contra-angle (a maximum torque of 20 N.cm). Or for manual installation, use the Zygoma GM™ Implant Driver with the Neo Screwdriver Torque Connection. Finish the implant placement with the aid of the Torque Wrench.





## 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](http://ifu.neodent.com.br/en)



[ifu.neodent.com.br/en](http://ifu.neodent.com.br/en)

- 1 To access the IFU website, type the above address in your browser.

- 2 Enter in the field search the article number.

Search IFU

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We found 1 valid IFUs for your search by:  
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- 3 The search result is presented below search field, informing the IFU code, the name of the product and countries where the IFU is valid.

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- 4 Click the "download" button to open the file.

NEODENT

- 5 The IFU will automatically open in a new window. In case you want to download it, click the save as icon to download in your browser.

# Helix GM<sup>®</sup> Long

## PRODUCT FEATURES:

### Implants Description:

- Full 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, which adapt in the packaging;
- Neoporos surface;
- Grand Morse<sup>®</sup> 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<sup>®</sup>**



## Drill Sequence



	Initial 103.453	Ø 2.35 103.462	Ø 3.75 103.463	Ø 4.0 103.464
Ø 3.75 mm	Optional	✓	✓	
Ø 4.0 mm	Optional	✓	✓	✓

Bone types III and IV

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

## Helix GM® Long implants

	20.0 mm	22.5 mm	25.0 mm
Ø 3.75	 NeoPoros 109.1043	 NeoPoros 109.1044	 NeoPoros 109.1045
Ø 4.0	 NeoPoros 109.1046	 NeoPoros 109.1047	 NeoPoros 109.1048

## GM Healing Abutment

	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
Ø 3.3	 106.207	 106.208	 106.209	 106.210	 106.211	 106.212
Ø 4.5	 106.213	 106.214	 106.215	 106.216	 106.217	 106.218
Ø 5.5		 106.250	 106.251	 106.252	 106.253	
Ø 6.5		 106.254	 106.255	 106.256	 106.257	

:: Use the manual Neo Screwdriver (104.060);

:: Do not exceed the insertion torque of 10 N.cm.

## GM Customizable Healing Abutments

Profile	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm	6.5 mm
Ø 5.5	 106.223	 106.224	 106.225	 106.226	 106.227	
Ø 7.0		 106.228	 106.229	 106.230	 106.231	 106.232

## GM Cover Screw

	0 mm	2 mm
	 117.021	 117.022

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

Check it out on the eShop, go to:  
[neodent.com/shopnow](http://neodent.com/shopnow)

# 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, which adapt in the packaging;
- Neoporos surface;
- Grand Morse® connection.

### Indications:

- Indicated for surgical procedures in the 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.

Available with:

**NeoPoros®**

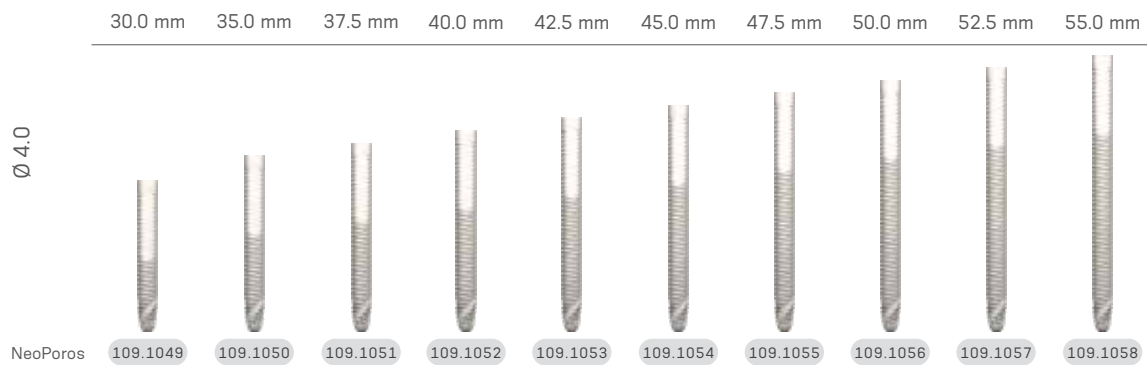


## Drill Sequence



The procedure can start guided. Check the instruments for more information.

## Zygoma GM™ Implants



## GM Cover Screw



0 mm	2 mm
117.021	117.022

:: Use the manual Neo Screwdriver [104.060];  
 :: Do not exceed the insertion torque of 10 N.cm.

Check it out on the eShop, go to:  
[neodent.com/shopnow](http://neodent.com/shopnow)

# GM Zygomax-S

## PRODUCT FEATURES:

### Implants Description:

- Hybrid contour with a cylindrical shape coronal and medium parts; conical shape on the apical area;
- Tissue Protect: Smooth machined surface in the implant body, designed for extramaxillary approaches.
- 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;
- Holder integrated to the implant body, which adapt in the packaging;
- Neoporos surface;

### Indications:

- Indicated for surgical procedures in the the posterior region of the maxilla and in the zygoma, in cases of severe maxilla resorption and an Zygomax-S was designed for extramaxillary Zygomatic Implants may be used in immediate loading procedures when there is good primary stability and appropriate occlusal loading.

### Drilling features:

- Initial Drill speed: 600-1200 rpm
- Initial Lateral Cutting Drill speed: 20000 rpm (handpiece)
- Drilling sequence: 600-1200 rpm
  - Implant insertion speed: 30 rpm;
  - Maximum torque for implant placement: 60 N.cm.



Available with:

**NeoPoros®**























## Drill Sequence



		Ø 2.35 103.455 71 mm 103.614 100 mm 103.454 guided	Lateral cutting drill Ø 4.0 103.619	Ø 3.5 103.615 71 mm 103.616 100 mm	Ø 3.75 103.617 71 mm 103.618 100 mm	Pilot drill Ø 4.0 103.620	
Ø 3.5 mm	Optional 103.453	Optional 103.613	✓	Optional	✓	---	Optional
Ø 3.75 mm	Optional	Optional	✓	Optional	✓	✓	Optional

## GM Zygoma-S implants

	30.0 mm	35.0 mm	37.5 mm	40.0 mm	42.5 mm	45.0 mm	47.5 mm	50.0 mm	52.5 mm	55.0 mm
Ø 3.5										
	NeoPoros 109.1086	NeoPoros 109.1087	NeoPoros 109.1088	NeoPoros 109.1089	NeoPoros 109.1090	NeoPoros 109.1091	NeoPoros 109.1092	NeoPoros 109.1093	NeoPoros 109.1094	NeoPoros 109.1095
Ø 3.75										
	NeoPoros 109.1096	NeoPoros 109.1097	NeoPoros 109.1098	NeoPoros 109.1099	NeoPoros 109.1100	NeoPoros 109.1101	NeoPoros 109.1102	NeoPoros 109.1103	NeoPoros 109.1104	NeoPoros 109.1105

## GM Cover Screw



0 mm    2 mm  
117.021    117.022

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

 Check it out on the eShop, go to:  
[neodent.com/shopnow](http://neodent.com/shopnow)

# 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;



Multiple-unit screw-retained prosthesis



Ø 4.8 mm

Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)



## Installation Sequence

GM Mini Conical Abutment	GM Exact Mini Conical Abutment *					
	17°	30°	45°	45° slim	52°	60°
0.8 mm	115.243	115.244	115.245			
1.5 mm						
2.5 mm						
3.5 mm						
4.5 mm						
5.5 mm						
	115.275	115.278	115.281	115.302	115.300	115.285
	115.276	115.279	115.282	115.303	115.301	115.286
	115.277	115.280				

### Intraoral



Mini Conical Abutment Scanbody  
3  
108.218



Mini Conical Abutment Hybrid Repositionable Analog  
101.092



Neo Mini Conical Abutment One Step Hybrid Coping  
2  
118.382

### Model Scanning



Slim Mini Conical Abutment Open Tray Impression Coping  
3  
108.176



Mini Conical Abutment Hybrid Repositionable Analog  
101.092



Mini Conical Abutment Scanbody  
3  
108.218



Neo Mini Conical Abutment One Step Hybrid Coping  
2  
118.382

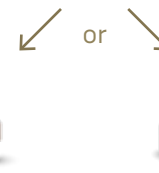
### Conventional



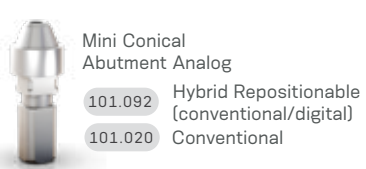
Slim Mini Conical Abutment Open Tray Impression Coping  
3  
108.176



Neo Mini Conical Abutment Titanium Coping  
2  
118.302



Neo Mini Conical Abutment Protection Cylinder  
3  
106.268 Regular  
106.278 Wide



Mini Conical Abutment Analog  
101.092 Hybrid Repositionable (conventional/digital)  
101.020 Conventional



Neo Mini Conical Abutment CoCr Coping  
2  
118.303



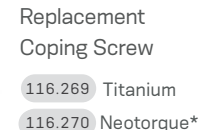
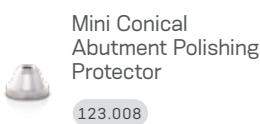
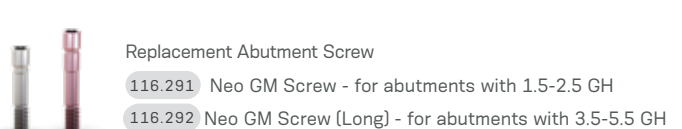
Neo Mini Conical Abutment Burn-out Coping  
2  
118.301

\*The 45° Mini Conical Abutment Slim, 45° Mini Conical Abutment and the 52° Mini Conical Abutment are indicated for use only with Zygoma GM™ and GM Zygoma-S. The 60° Mini Conical Abutment is indicated for use only with Zygoma GM™ and GM Zygoma-S.

## Drivers



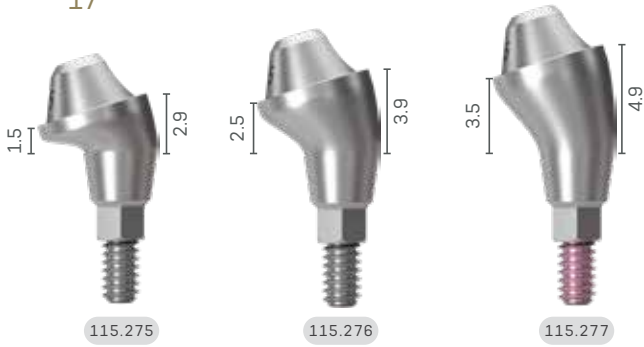
## Accessories



\*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.

# Measurements GM Mini Conical Abutment

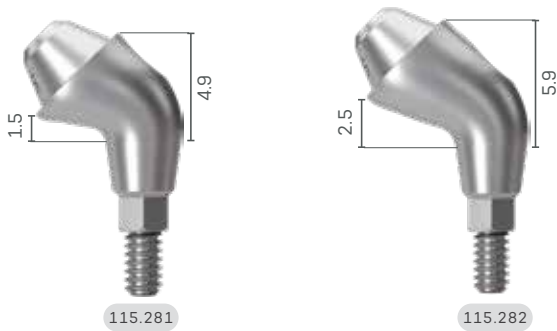
17°



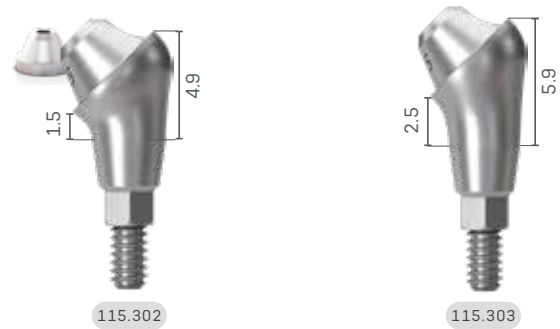
30°



45°\*



45° slim\*



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

The 45° Mini Conical Abutment Slim is indicated for use only with Zygoma GM™ and GM Zygoma-S.

52°\*



60°\*



The 52° Mini Conical Abutment is indicated for use only with Zygoma GM™ and GM Zygoma-S.

\*The 60° Mini Conical Abutment is indicated for use only with Zygoma GM™ and GM Zygoma-S.



**NeoConvert™**  
Transforming smiles



## THE **NEODENT®** TECHNIQUE FOR IMPROVING THE **CONVERSION** FROM **REMOVABLE** TO **FIXED** DENTURES.

Fixed full arch solutions have an important role in implant dentistry.(1) For patients, a life-time decision towards an improved quality of life. For dentists, the satisfaction of overcoming limitations to exceed expectations.

The challenges in this journey are directly related to decreasing the time for fixed teeth, and improving comfort during the procedures while keeping treatment affordability. All these aspects are crucial for decision-making, and the technique of choice has a relevant impact on the journey.

NeoConvert delivers a different way to transform smiles: a first step to full arch immediacy developed to enable temporary treatment with lower chair time and greater predictability with a straightforward workflow, whether performed chairside or in the lab.



### **THE FIRST STEP FOR IMMEDIACY:** SIMPLE AS IT SHOULD BE

NeoConvert is a game-changing technique to convert removable to fixed dentures: the simplicity in every step for immediacy.



### **IMMEDIATE FULL ARCH TREATMENT:** ONE STEP CLOSER TO EFFECTIVENESS

NeoConvert values your chair time with efficiency: full conversion technique in your hands with a straightforward workflow.



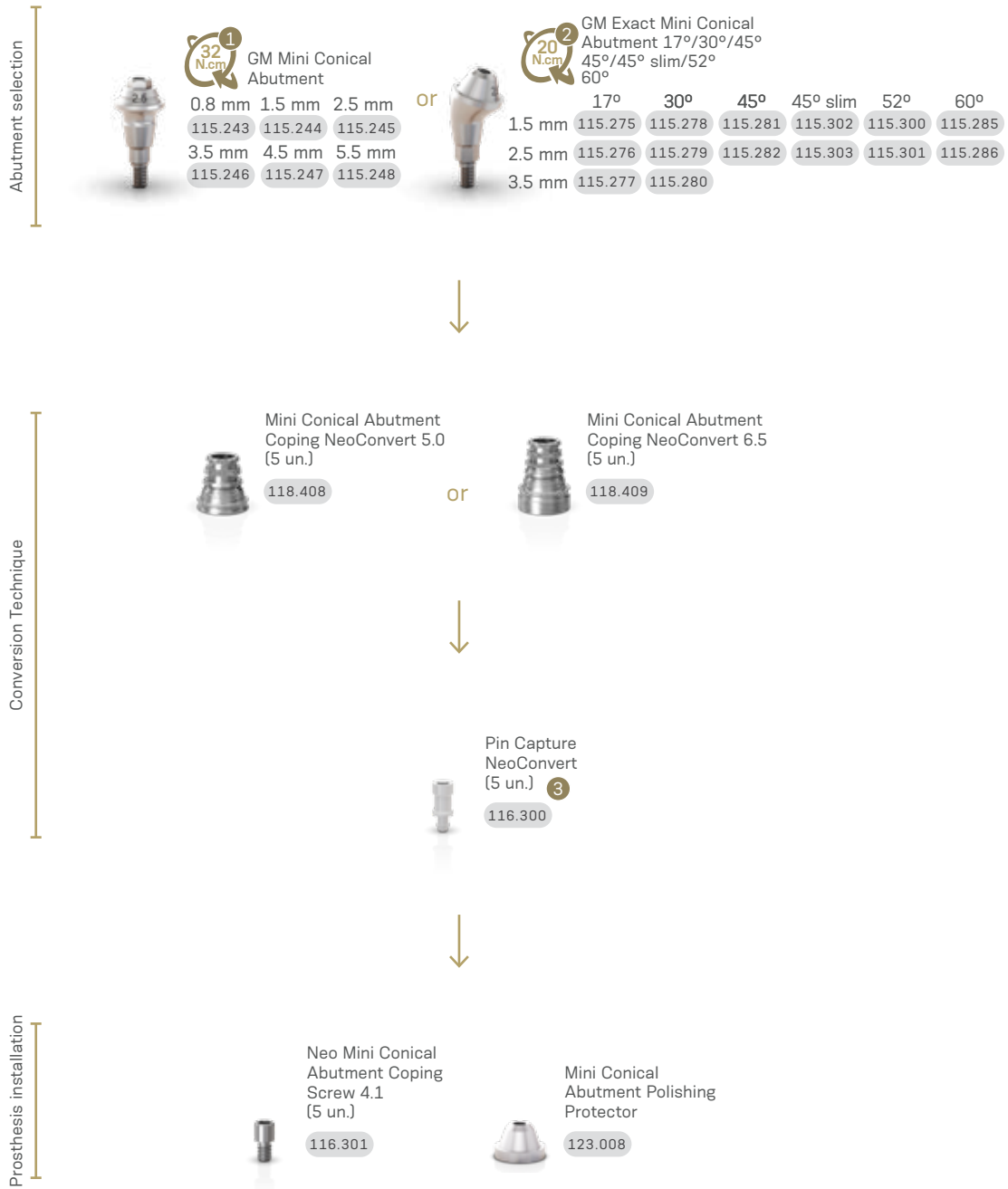
**Discover the NeoConvert**

Scan, click on QR or visit the link below:



[neodent.com/neoconvert](https://neodent.com/neoconvert)

# Installation Sequence



\*The 45° Mini Conical Abutment is indicated for use only with Helix GM™ Long, Zygoma GM™ and GM Zygoma-S.

The 45° Mini Conical Abutment Slim, 45° Mini Conical Abutment and the 52° Mini Conical Abutment are indicated for use only with Zygoma GM™ and GM Zygoma-S.

\*The 60° Mini Conical Abutment is indicated for use only with Zygoma GM™ and GM Zygoma-S.

## Drivers

- 1** Hexagonal Prosthetic Driver 105.137 + Torque Wrench 104.050

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- 2** Neo Screwdriver Torque Connection 105.132 + Torque Wrench 104.050

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- 3** Digital Driver Pin Capture NeoConvert 104.074

## Accessories

- Neoconvert Kit Case 110.339
- Drill Guide for Handpiece 1.5mm NeoConvert 125.206
- Preparation Drill Handpiece NeoConvert 103.676
- First Drill Handpiece NeoConvert 1.5mm 103.677
- Second Drill Handpiece NeoConvert 1.5mm 103.678
- Third Drill Handpiece NeoConvert 2.0mm 103.679

Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

# GM Attachment TiN\* for Removable Prostheses



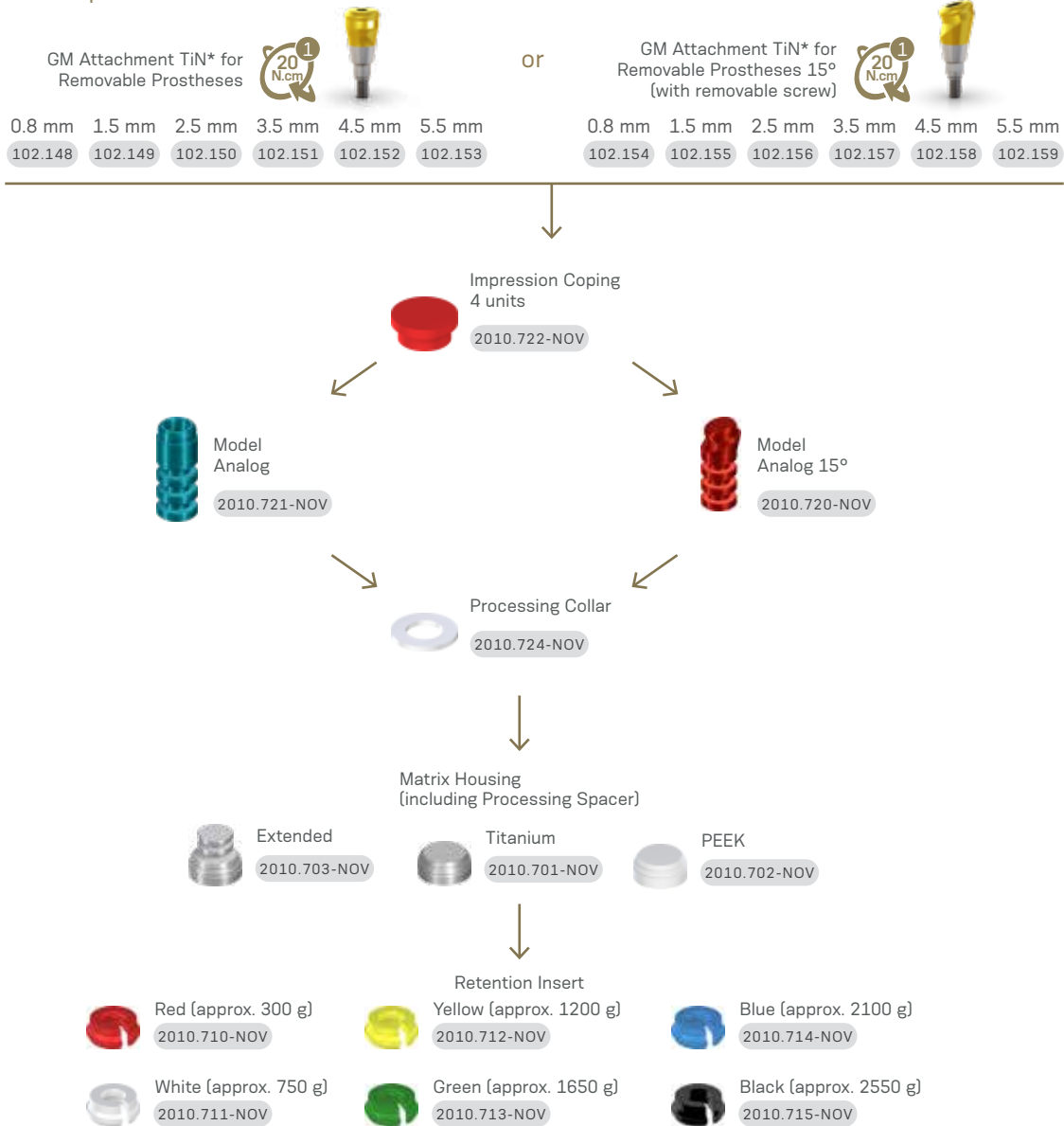
Overdenture

Angled version with removable screw.

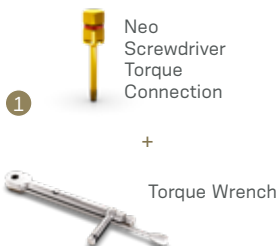
Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)



## Installation Sequence



## Drivers



## Accessories





# GM Mini Conical Abutment Coping for Removable Prosthesis



Overdenture

Recommended for overdentures in association with Mini Conical Abutments.

Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

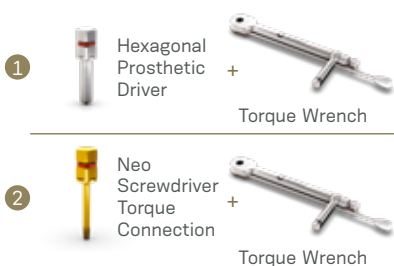
## Installation Sequence



\*The 45° Mini Conical Abutment Slim, 45° Mini Conical Abutment and the 52° Mini Conical Abutment are indicated for use only with Zygomax GM™ and GM Zygomax-S.

\*The 60° Mini Conical Abutment is indicated for use only with Zygomax GM™ and GM Zygomax-S.

## Drivers



\*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.

## Accessories

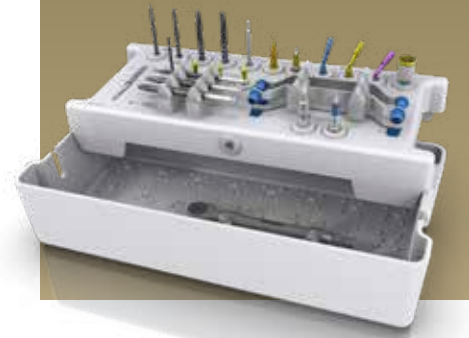


# NeoArch<sup>®</sup> Kits

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# Helix GM<sup>®</sup> Long Compact Surgical Kit

Autoclavable polymer case.



## Articles

- 110.300 Helix GM<sup>®</sup> 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<sup>®</sup> Long 2.0/2.35mm
- 125.141 Drill Guide For NGS Helix GM<sup>®</sup> Long 3.75/4.0mm
- 103.459 Twist Drill For NGS Helix GM<sup>®</sup> Long 2.35mm
- 103.460 Twist Drill For NGS Helix GM<sup>®</sup> Long 3.75mm
- 103.461 Twist Drill For NGS Helix GM<sup>®</sup> Long 4.0mm

- 103.453 Helix GM<sup>®</sup> Long Initial Drill 2.0mm
- 103.462 Twist Drill For Helix GM<sup>®</sup> Long 2.35mm
- 103.463 Twist Drill For Helix GM<sup>®</sup> Long 3.75mm
- 103.464 Twist Drill For Helix GM<sup>®</sup> Long 4.0mm
- 129.021 Helix GM<sup>®</sup> Long X-ray Positioner
- 128.032 GM Angle Measurer 17°
- 128.033 GM Angle Measurer 30°
- 128.034 GM Angle Measurer 45°

- 105.143 Regular Guided Surgery GM Connection for Torque Wrench
- 105.172 Regular Guided Surgery GM Connection - Contra-angle
- 104.060 Neo Manual Screwdriver (medium)
- 105.129 GM Implant Driver - Torque Wrench (short)
- 105.168 GM Implant Driver - Contra-angle
- 104.050 Torque Wrench

 Check it out on the eShop, go to: [neodent.com/shopnow](https://neodent.com/shopnow)

Note: Items that compose Neodent<sup>®</sup> Kits are sold separately.

# Zygoma GM<sup>™</sup> Surgical Kit

Autoclavable polymer case.



## Articles

- 110.299 Zygoma GM<sup>™</sup> Surgical Kit Case
- 103.395 Guided Surgery Drill 1.3mm
- 125.100 Guided Surgery Guide Clamp
- 125.139 Drill Guide For Ngs Zygoma GM<sup>™</sup> 2.35mm
- 103.454 Twist Drill For Ngs Zygoma GM<sup>™</sup> 2.35mm
- 103.455 Twist Drill For Zygoma GM<sup>™</sup> 2.35mm
- 103.456 Twist Drill For Zygoma GM<sup>™</sup> 3.75mm

- 103.457 Twist Drill For Zygoma GM<sup>™</sup> 4.0mm
- 103.458 Lateral Direction Drill For Zygoma GM<sup>™</sup> 4.0mm
- 103.465 Pilot Twist Drill For Zygoma GM<sup>™</sup> 2.3/3.2mm
- 104.063 Zygoma GM<sup>™</sup> Installation Driver
- 129.022 Zygoma GM<sup>™</sup> Probe 2.35mm
- 129.023 Zygoma GM<sup>™</sup> Probe 4.0mm
- 128.032 GM Angle Measurer 17°

- 128.033 GM Angle Measurer 30°
- 128.034 GM Angle Measurer 45°
- 128.028 GM Height Measurer
- 104.060 Neo Manual Screwdriver (medium)
- 105.129 GM Implant Driver - Torque Wrench (short)
- 105.168 GM Implant Driver - Contra-angle
- 104.050 Torque Wrench

 Check it out on the eShop, go to: [neodent.com/shopnow](https://neodent.com/shopnow)

Note: Items that compose Neodent<sup>®</sup> Kits are sold separately.

# GM Zygoma-S Surgical Kit

Autoclavable polymer case.



## Articles

110.321 GM Zygoma-S surgical case

103.395 Guided surgery drill, 1.3

103.454 Twist drill for NGS GM zygomatic, 2.35

128.032 GM angle measurer, 17 degrees

128.033 GM angle measurer, 30 degrees

125.142 NGS guide clamp

125.142 NGS guide clamp

125.142 NGS guide clamp

125.139 Drill guide for GM Zygomatic, stainless steel/ti, 2.35

128.034 GM angle measurer, 45 degrees

128.043 GM angle measurer, 52 degrees

128.035 GM angle measurer, 60 degrees

103.453 GM helix lg initial drill

105.168 GM contra-angle driver

105.129 GM short torque wrench driver

128.028 GM height measurer

104.058 Short neo manual screwdriver

103.613 Multilaminate initial drill for Zygoma-S

103.455 Twist drill for GM Zygomatic, 2.35

103.614 Conical drill for Zygoma-s, 2.35 x 100 mm

103.615 Conical drill for Zygoma-s, 3.5 x 71 mm

103.616 Conical drill for Zygoma-s, 3.5 x 100 mm

103.617 Conical drill for Zygoma-s, 3.75 x 71 mm

103.618 Conical drill for Zygoma-s, 3.75 x 100 mm

103.620 Pilot drill for Zygoma-s, 4.3

103.619 Multilaminate drill for Zygoma-s, 4.0 x 71 mm

104.050 Torque wrench

104.063 GM Zygomatic installation driver, stainless steel/pol.

129.039 Zygoma-S GM depth probe, 3.75

129.038 Zygoma-S GM depth probe, 3.5

129.037 Zygoma-S GM depth probe, 2.35

Note: Items that compose Neodent® Kits are sold separately.

 Check it out on the eShop, go to:  
[neodent.com/shopnow](https://neodent.com/shopnow)



# NeoArch<sup>®</sup> Instruments

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### Helix GM® Long Drills

- :: Available in surgical steel;
- :: Drill sequence for Helix GM® Long implants.

Initial	Ø 2.35	Ø 3.75	Ø 4.0
103.453	103.462	103.463	103.464



### GM Height Measurer

- :: Available in titanium;
- :: For selecting GM prosthetic abutments;
- :: Marks corresponding to transmucosa heights.
- :: Can be used as X-Ray Positioner.

128.028



### Helix GM® Long Drills for Guided Surgery

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

Ø 2.35	Ø 3.75	Ø 4.0
103.459	103.460	103.461



### 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.

105.168



### Zygoma GM™ Drills

- :: Available in surgical steel;
- :: Drill sequence for Zygoma GM™ implants.

	Pilot			
Ø 2.35	Ø 2.3/3.2	Ø 3.75	Ø 4.0	
103.455	103.465	103.456	103.457	



### 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.

Short	Long	Extra-long
22 mm	30 mm	45 mm
105.129	105.130	105.156



### 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.

Ø 4.0
103.458



### Neo Screwdriver Torque Connection - Torque Wrench

- :: Available in surgical steel;
- :: Yellow color for line identification.

Short	Medium	Long
16.5 mm	22 mm	32 mm
105.133	105.132	105.157



### 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.

Ø 2.35
103.454



### Neo Manual Screwdriver

- :: Available in surgical steel;
- :: Yellow color for line identification.

Short	Medium	Long
21 mm	25 mm	37 mm
104.058	104.060	104.070

### Neo Screwdriver Torque Connection - Contra-angle



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

Extra Short 16.5 mm	Short 24 mm	Long 31 mm	Extra Long 37 mm
105.146	105.135	105.160	105.167

### 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.

Contra-angle	Torque Wrench
105.138	105.137

### 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.

103.424

### GM Angle Measurer



:: Available in titanium;  
 :: To a more accurate selection and planning of the abutments angulation during the prosthetic phase.

17°	30°	45°	52°	60°
128.032	128.033	128.034	128.043	128.035

### 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.

Ø 2.0/2.35	Ø 3.75/4.0
125.140	125.141

### Zygoma GM™ and GM Zygoma-S Drill Guide for Guided Surgery



:: Instrument with the purpose of starting the Zygomatic Surgery guided.

Ø 2.35
125.139

### 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.

Drill Ø 1.3	Guide Clamp
103.395	125.100

### Guided Surgery GM Connection - Contra-Angle



:: Available in stainless steel;  
 :: To start the implant placement through the surgical guide.

Regular  
 105.172

### Guided Surgery GM Connection - Torque Wrench



:: Available in stainless steel;  
 :: To finish the implant placement through the surgical guide.

Regular  
 105.143

### Helix GM® Long X-ray Positioner



:: Indicated for evaluation of the osteotomy depth in the implant placement procedure.

129.021

### Zygoma GM™ and GM Zygoma-S Probes



:: Available in Stainless Steel;  
 :: The probe for the drill Ø2.35 mm has a tip design in L;  
 :: The probes for the drills Ø3.5 and Ø3.75 mm have a tip with a design similar to the apex of the correspondent drill that allows identifying the correct drilling depth for implant anchorage.

Zygoma GM™	Ø 2.35	Ø 4.0	
	129.022	129.023	
Zygoma-S	Ø 2.35	Ø 3.5	Ø 3.75
	129.037	129.038	129.039

### Zygoma GM™ and GM Zygoma-S Installation Driver



:: Instrument for application of manual torque.

104.063

Check it out on the eShop, go to:  
[neodent.com/shopnow](http://neodent.com/shopnow)



### Torque Wrench

- :: Available in surgical steel;
- :: Fitting for square connections;
- :: Collapsible Wrench that allows for proper assembly cleaning;
- :: For full instructions see page 80.

104.050



### Remover for Abutments with internal threads

- :: Available in surgical steel;
- :: To remove abutments with internal threads from the implants, after removal of the screws;
- :: Compatible with abutments with Neo removable Screws

Regular 130.118    Long 130.114



### Remover for Neo Screws

- :: Available in surgical steel;
- :: Compatible with Neo removable screws for abutments

Regular 130.119    Long 130.115

### Removal Sets for Abutments with internal threads and Neo Screws

- :: Available in surgical steel;
- :: To remove Neo Removable Screws and abutments with internal threads from the implants, after removal of the screws;
- :: Compatible with abutments with Neo removable Screws



Regular 130.117

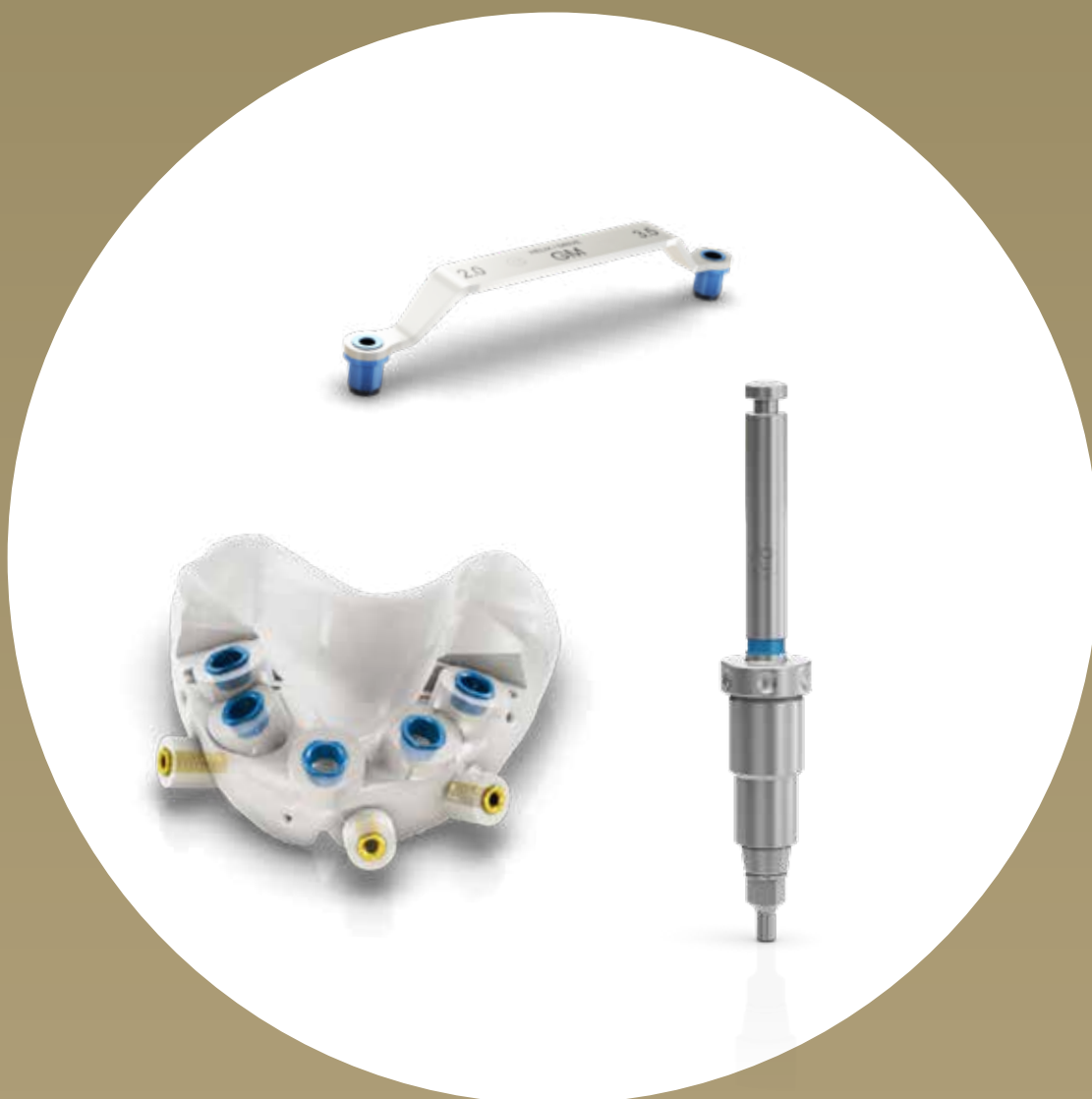
Long 130.116

 Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

# GRAND MORSE® NEODENT® GUIDED SURGERY. GRAND POSSIBILITIES WITH A LIMITLESS SOLUTION

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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 prosthodontically driven treatments, enabling them to perform immediate protocols with peace of mind, fulfilling patients' expectations.



DR IVA MILINKOVICH, from Serbia

“What I like about the system is implant designed, the selection of surgical components, and the possibilities of using it in guided surgery. I find it really user-friendly and the wide selection of implants and diameters.”

## DIFFERENTIATE YOUR PRACTICE WITH GUIDED SURGERY.



### Improve patient quality of life.

- Functional with an immediate fixed restoration.
- Esthetical with a personalized restoration and less bone remodeling<sup>(13)</sup>.
- 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<sup>(14-16)</sup>.
- 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<sup>(17)</sup>.



**Complete**  
Helix® and Drive GM®  
Implants portfolio



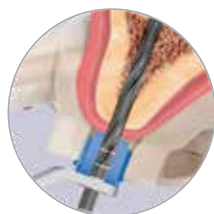
**Convenient**  
Color-coded instruments  
and symbol-marked



**Flexible**  
2 sleeve height positions



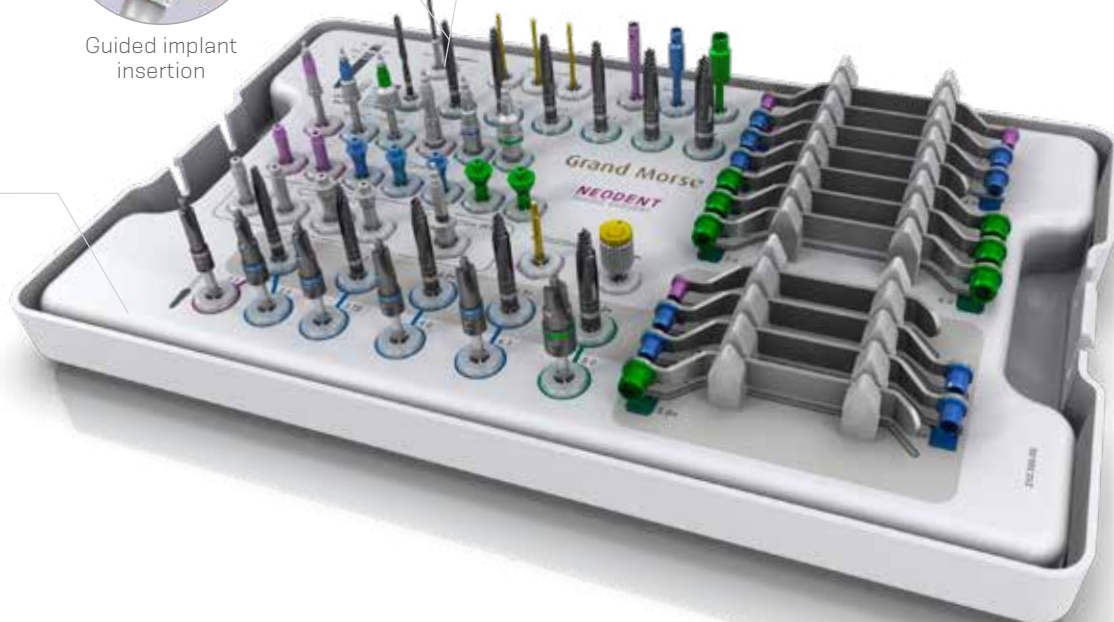
Guided implant  
insertion



Guided bed  
preparation

### Neodent® Guided Surgery Kit for Grand Morse®

Compatible with major  
guided surgery software



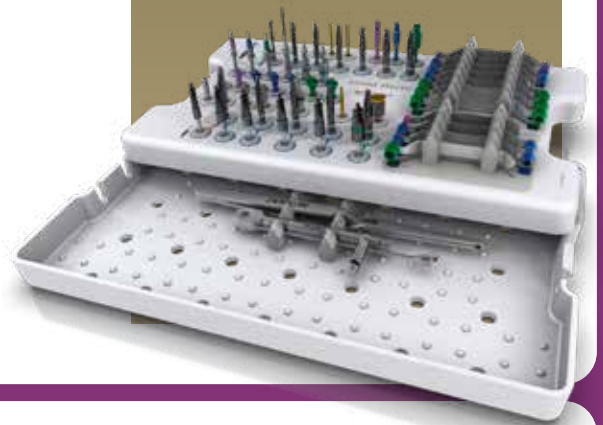
# Neodent<sup>®</sup> Guided Surgery Kit

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# 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

- |         |   |         |   |
|---------|---|---------|---|
| 110.296 | GM Guided Surgery Surgical Kit Case                       | 104.060 | Neo Manual Screwdriver (Medium)                             |
| 103.395 | Guided Surgery 1.3  | 103.439 | Tapered Contour Guided Surgery Drill 3.5*                   |
| 125.100 | Guided Surgery Guide Clamp                                | 103.440 | Tapered Contour Guided Surgery Drill 3.75*                  |
| 103.429 | Narrow Guided Surgery Punch - Contra-Angle                | 103.441 | Tapered Contour Guided Surgery Drill 4.0*                   |
| 103.430 | Regular Guided Surgery Punch - Contra-Angle               | 103.442 | Tapered Contour Guided Surgery Drill 4.3*                   |
| 103.431 | Wide Guided Surgery Punch - Contra-Angle                  | 103.443 | Tapered Contour Guided Surgery Drill 5.0*                   |
| 103.432 | Guided Surgery Drill 2.0                                  | 103.444 | Narrow Guided Surgery GM Pilot Drill 3.5                    |
| 103.433 | Tapered Guided Surgery Drill 3.5*                         | 103.445 | Regular Guided Surgery GM Pilot Drill 3.5                   |
| 103.434 | Tapered Guided Surgery Drill 3.75*                        | 103.446 | Guided Surgery GM Pilot Drill 3.75                          |
| 103.435 | Tapered Guided Surgery Drill 4.0*                         | 103.447 | Guided Surgery GM Pilot Drill 4.0                           |
| 103.436 | Tapered Guided Surgery Drill 4.3*                         | 103.448 | Guided Surgery GM Pilot Drill 4.3                           |
| 103.437 | Tapered Guided Surgery Drill 5.0*                         | 103.449 | Guided Surgery GM Pilot Drill 5.0                           |
| 103.438 | Tapered Guided Surgery Drill 6.0*                         | 125.119 | Narrow Guided Surgery Drill Guide 2.0/3.5                   |
| 105.171 | Narrow Guided Surgery GM Connection - Contra-angle        | 125.121 | Regular Guided Surgery Drill Guide 2.0/3.5                  |
| 105.172 | Regular Guided Surgery GM Connection - Contra-angle       | 125.122 | Regular Guided Surgery Drill Guide 3.75/4.0                 |
| 105.173 | Wide Guided Surgery GM Connection - Contra-angle          | 125.123 | Regular Guided Surgery Drill Guide 4.3                      |
| 105.142 | Narrow Guided Surgery GM Connection for Torque Wrench     | 125.126 | Wide Guided Surgery Drill Guide 2.0/3.5                     |
| 105.143 | Regular Guided Surgery GM Connection for Torque Wrench    | 125.127 | Wide Guided Surgery Drill Guide 4.0/4.3                     |
| 105.144 | Wide Guided Surgery GM Connection for Torque Wrench       | 125.128 | Wide Guided Surgery Drill Guide 5.0/6.0                     |
| 125.130 | Narrow Guided Surgery GM Guide Stabilizer                 | 125.120 | Narrow Tapered Contour Guided Surgery Drill Guide 3.5       |
| 125.131 | Regular Guided Surgery GM Guide Stabilizer                | 125.124 | Regular Tapered Contour Guided Surgery Drill Guide 3.5/3.75 |
| 125.132 | Wide Guided Surgery GM Guide Stabilizer                   | 125.125 | Regular Tapered Contour Guided Surgery Drill Guide 4.0/4.3  |
| 125.133 | Narrow Guided Surgery GM Guide Stabilizer (Long)          | 125.129 | Wide Tapered Contour Guided Surgery Drill Guide 5.0         |
| 125.134 | Regular Guided Surgery GM Guide Stabilizer (Long)         | 129.001 | Titanium Tweezers   |
| 105.145 | Guided Surgery GM H11 Connection for Torque Wrench        | 104.050 | Torque Wrench   |
| 105.136 | Neo Screwdriver Torque Connection - Contra-angle (Medium) |         |   |

Note: Items that compose Neodent® Kits are sold separately.

\*Conventional guided surgery drills that can be replaced by the respective short version.

 Check it out on the eShop, go to:  
[neodent.com/shopnow](https://neodent.com/shopnow)

Neodent®  
Guided Surgery  
Instruments

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### Guided Surgery Tapered 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.

	Ø 2.0	Ø 3.5	Ø 3.75	Ø 4.0	Ø 4.3	Ø 5.0	Ø 6.0
Short 36.5 mm	103.475	103.476	103.477	103.478	103.479	103.480	103.481
Regular 41 mm	103.432	103.433	103.434	103.435	103.436	103.437	103.438



### 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.

Drill Ø 1.3	Guide Clamp
103.395	125.100



### Guided Surgery Tapered Contour Drills

- :: Available in surgical steel;
- :: Drill sequence for Helix GM® Implants in the guided surgery technique for bone types I or II;
- :: Fully guided technique with Short Drills indicated for 8, 10 or 11.5 mm long implants.

	Ø 3.5+	Ø 3.75+	Ø 4.0+	Ø 4.3+	Ø 5.0+
Short 36.5 mm	103.482	103.483	103.484	103.485	103.486
Regular 41 mm	103.439	103.440	103.441	103.442	103.443



### Guided Surgery Punch - Contra-Angle

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

Narrow	Regular	Wide
103.429	103.430	103.431



### 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.

	Narrow	Regular	Wide
Ø 3.5	103.444	Ø 3.5 103.445	Ø 5.0 103.449
		Ø 3.75 103.446	
		Ø 4.0 103.447	
		Ø 4.3 103.448	



### 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.

	Narrow	Regular	Wide
Ø 2.0/3.5	125.119	Ø 2.0/3.5 125.121	Ø 2.0/3.5 125.126
Ø 3.5+	125.120	Ø 3.75/4.0 125.122	Ø 4.0/4.3 125.127
		Ø 4.3 125.123	Ø 5.0/6.0 125.128
		Ø 3.5+/3.75+ 125.124	Ø 5.0+ 125.129
		Ø 4.0+/4.3+ 125.125	

Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)



### 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.

Narrow Regular Wide  
105.171 105.172 105.173



### Guided Surgery Guide Stabilizers

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

Narrow Regular Wide  
125.130 125.131 125.132



### 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.

Narrow Regular Wide  
105.142 105.143 105.144



### Guided Surgery Guide Stabilizers - Long

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

Narrow Regular  
125.133 125.134



### 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.

105.145

### Sleeves for Neodent® Guided Surgery System

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



125.135 Sleeve for Narrow Guided Surgery System  
125.136 Sleeve for Regular Guided Surgery System  
125.137 Sleeve for Wide Guided Surgery System  
125.138 Sleeve of Setter for Guided Surgery System

Check it out on the eShop, go to:  
[neodent.com/shopnow](http://neodent.com/shopnow)



# Neodent easypack

## GROW WITH PEACE OF MIND

Neodent® has developed EasyPack to simplify your daily practice. An all-in-one set that offers everything you need to grow while performing dental implant therapy with confidence, convenience and guidance.



### GROW WITH CONFIDENCE

Choose a brand and products you can rely on



### GROW WITH CONVENIENCE

The certainty of having everything in one package



### GROW WITH GUIDANCE

All workflows in simple steps

### THE NEODENT® EASYPACK INCLUDES

- 1 Grand Morse® Helix Implant
- 2 Grand Morse® Cover Screw
- 3 Grand Morse® Healing Abutment
- 4 Grand Morse® Hybrid Implant Analog
- 5 Grand Morse® 3-in-1 Neodent® Smart Abutment™ **NEW**







CONVENTIONAL  
WORKFLOW



DIGITAL  
WORKFLOW

## Reliable guided workflow with the 3-in-1 GM Smart Abutment

The combination of the GM Smart Abutment, a unique patented solution combining a closed tray impression coping, a digital scanbody and a temporary abutment in a single piece, with healing components and the analog allows you to choose a restorative path guided for achieving predictable results.

IMPLANT PLACEMENT — HEALING PHASE — IMPRESSION PHASE — TEMPORARY RESTORATION — FINAL RESTORATION



### NEODENT® EASYPACK PRODUCT OPTIONS

	Ø 3.5		Ø 3.75		Ø 4.0		Ø 4.3		Ø 5.0	
	Acqua	NeoPoros	Acqua	NeoPoros	Acqua	NeoPoros	Acqua	NeoPoros	Acqua	NeoPoros
8.0	138.089	138.005	138.113	138.029	138.137	138.053	138.158	138.074	138.182	138.170
10.0	138.095	138.011	138.119	138.035	138.143	138.059	138.161	138.077	138.185	138.173
11.5	138.101	138.017	138.125	138.041	138.149	138.065	138.164	138.080	138.188	138.176
13.0	138.107	138.023	138.131	138.047	138.155	138.071	138.167	138.083	138.191	138.179

	GM Cover Screw 0 mm		GM Healing Abutment* Ø 4.5 X 2.5 mm Ø 5.5 X 2.5 mm		GM Hybrid Repositionable Analog* Ø 3.5/3.75 Ø 4.0/4.3 Ø 5.0/6.0		GM Smart Abutment* Ø 4.5 X 2.5 mm Ø 5.5 X 2.5 mm
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\*according to implant diameter

# Neodent<sup>®</sup> Helix GM Narrow

SMALL DIAMETER, GREAT ACHIEVEMENTS.

Bring reliability to your practice through the next generation of immediate esthetic solutions for reduced interdental spaces and bone availability.

The Ø 2.9mm Helix GM Narrow provides an immediate, small diameter solution seeks to provide simplicity for treatment protocol – regardless of whether guided or non-guided techniques are used – confidence without compromising on strength, and flexibility for immediate esthetic outcomes in limited interdental spaces.

## Ø 2.9



### CONFIDENCE WITH A STABLE LONG-TERM IMPLANT FOUNDATION

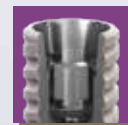
Implant therapy for demanding indications, such as reduced interdental spaces, can raise concerns regarding resistance and biomechanical behavior. Therefore, features of an implant-abutment interface are essential to provide successful long-term functional, stable, and esthetic results.

The Ø 2.9mm Helix features the strong and stable GM Narrow connection, designed with a unique combination based on proven concepts seeking to achieve long lasting results. A system produced out with the commercially pure titanium grade 4 offering treatment predictability through the Acqua hydrophilic surface.

### RELIABLE AND STRONG GM NARROW CONNECTION

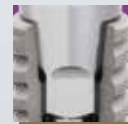
#### 16° Morse Taper connection

The implant-abutment interface is a relevant aspect that could interfere on the success of patient's outcome. Helix GM Narrow is designed to deliver a tight fit for optimal connection sealing and offers strong mechanical resistance.



#### Internal hexagonal indexation

The connection is designed with internal hexagonal indexation for precise abutment positioning, easy handling.



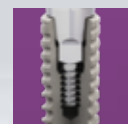
#### Platform switching

The abutment design features a narrower diameter than the implant coronal area, which enables platform switching.<sup>[5-9]</sup>



#### Screw-retained interface

The Helix GM Narrow features a morse taper screw-retained connection, which fits into the internal thread with precision seeking to provide a stable abutment connection.



## COMMERCIALLY PURE AND MECHANICALLY STRONG TITANIUM GRADE 4

Beyond a versatile design allowing primary stability, the Helix GM Narrow is produced from the most commercially pure and mechanically strong titanium grade 4 (Ti Gr 4). Static torsion tests have been conducted providing a greater performance and strongness of +12,7% than the former small diameter Neodent® system (Ti6Al4V-ELI).

### Static torsion test

+ 12,7%

New small diameter Neodent® system (Ti Gr 4)

Former small diameter Neodent® system (Ti6Al4V-ELI)

Font: Annex\_NoC Helix Narrow internal document.



## ACQUA HYDROPHILIC SURFACE'S AND TREATMENT PREDICTABILITY

The Neodent® Acqua hydrophilic surface is the next level of the highly successful S.L.A. surface. It was developed to reach expected results outcomes even in the most challenging patient cases, such as soft bone or immediate protocols.<sup>(1-4)</sup>



### SIMPLICITY FOR TREATMENT PROTOCOLS

The Helix GM Narrow system provides an intuitive hybrid surgical kit designed to best suit any chosen surgical procedure, whether conventional or guided, adding even more simplicity to the system by using the Neo Screw connection.

#### An intuitive and functional compact surgical cassette

The Helix GM Narrow system allows intuitive conventional and guided surgeries with the functional compact surgical kit, to support improve outcomes and patient satisfaction.

#### A predictable guided procedure with the easyguide concept

The Neodent® EasyGuide concept offers straightforward guided surgery technique enabling surgical convenience with one-hand procedures, and pursuing predictable surgical results with confidence for accurate implant positioning.

#### One Screwdriver available both for Neodent® GM and GM Narrow

The Helix GM Narrow system features the Neo Screwdriver, which has a star attachment offering reliability and durability, compatible with all GM Narrow healing abutments and restorative screws.





## FLEXIBILITY FOR IMMEDIATE ESTHETIC OUTCOMES

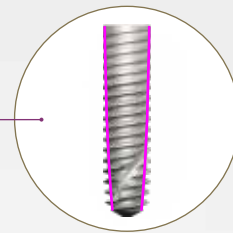
Patients lacking bone availability in the esthetic zone or experiencing limited space between adjacent teeth, can make tooth replacement procedures challenging for implant clinicians. When coupled with a lack of adequate prosthetic options to correctly replace missing teeth, patient satisfaction declines, and practices can suffer.

The versatile Neodent® Helix GM Narrow system combines a Ø2.9mm Helix implant, with a comprehensive prosthetic portfolio to restore cases in limited bone availability and interdental spaces, for immediate esthetic results.

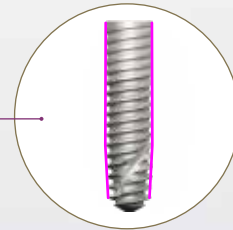
### THE UNBEATABLE VERSATILITY OF HELIX

#### Dynamic progressive thread design

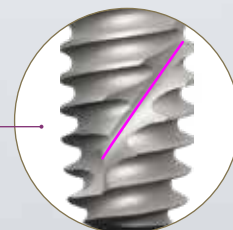
- Coronal: Double start threads with rounded root > compressing;
- Apex: V-Shape > Self-cutting High primary stability.



- #### Tapered body design
- Coronal: Progressive tapered design;
  - Apex: 12° Under-osteotomy for bone types 3 and 4.



- #### Hybrid contour
- Coronal: Cylindrical;
  - Apex: Conical.



- #### Active Apex
- Short tip;
  - Helicoidal flutes.



DR FEDERICO MANDELLI, from Italy

“I think that today an implant system should be very flexible and we don't have to change implants based on our clinical needs. That's why I decided to choose the Neodent® product, because with just one implant I can perform any kind of treatment. //”





**A SOLUTION FOR LIMITED BONE AVAILABILITY  
IN ALL BONE TYPES**

Indicated for all bone types, the Neodent® Helix GM Narrow is specifically engineered to address esthetic challenges in situations with limited bone, thanks to its small diameter implant of 2.9mm.



**COMPREHENSIVE PROSTHETIC PORTFOLIO FOR OPTIMIZED  
ESTHETIC AND FUNCTIONAL RESULTS**

The Helix GM Narrow system was designed to offer clinicians greater levels of treatment flexibility with a comprehensive prosthetic portfolio, designed to meet patient expectations regarding short treatment times, esthetic and functional results.

It allows single and multi-unit restorations from screw and cement-retained, to removable prosthesis. The system also allows support for conventional and digital workflows supporting provide natural-looking restorations using either conventional or immediate protocols.



Titanium  
Temporary Abutment



Titanium  
Base



Universal  
Abutment



Micro  
Abutment



Attachment  
Removable



Single-unit screw-  
retained prosthesis



Single-unit cement-  
retained prosthesis



Multiple-unit screw-  
retained prosthesis



Temporary



Overdenture

# Neodent® Helix GM Narrow Implant Packaging

Neodent® packaging has been specially updated for easy handling and seeking to achieve a safe surgical procedure, providing practicality from implant stocking to the capture and transport and implant bed. The implant's features, such as type, diameter and length, are readily identifiable on the outside of the packaging.

Three self-adhesive labels are provided for recording in the patient's medical records and for reporting to the prosthesis team. They also allow traceability for all articles.



## Package instruction of use



1. The cardboard and blister packagings must be opened, manually, without the use of sterile gloves. Break the seal of the cardboard packaging and remove the blister. Open the blister pack. Deposit the sterile flask over the surgical field.

Note: the clear tube and implant must be handled with a sterile surgical glove, in a surgical environment. Hold the bottle using the non-dominant hand and take the lid off.



2. Hold the bottle using the non-dominant hand and take the lid off. The internal support containing the implant should come out attached to the lid. To do so, remove the lid and the clear tube's internal support in the axial direction making no lateral movements.



3. Using the non-dominant hand, press the sides of the internal support promoting a "pincer effect" and immobilizing the implant. Keep the support pressed and remove the lid.



4. For installation, hold the implant with the driver for contra angle, keeping the connection stable and slightly rotating the internal support, searching for the perfect fit between the connection and the implant.



5. Take the implant to the surgical cavity.



6. Place the implant to its final position with a maximum torque of 35 N.cm and speed of 30 rpm, clockwise.

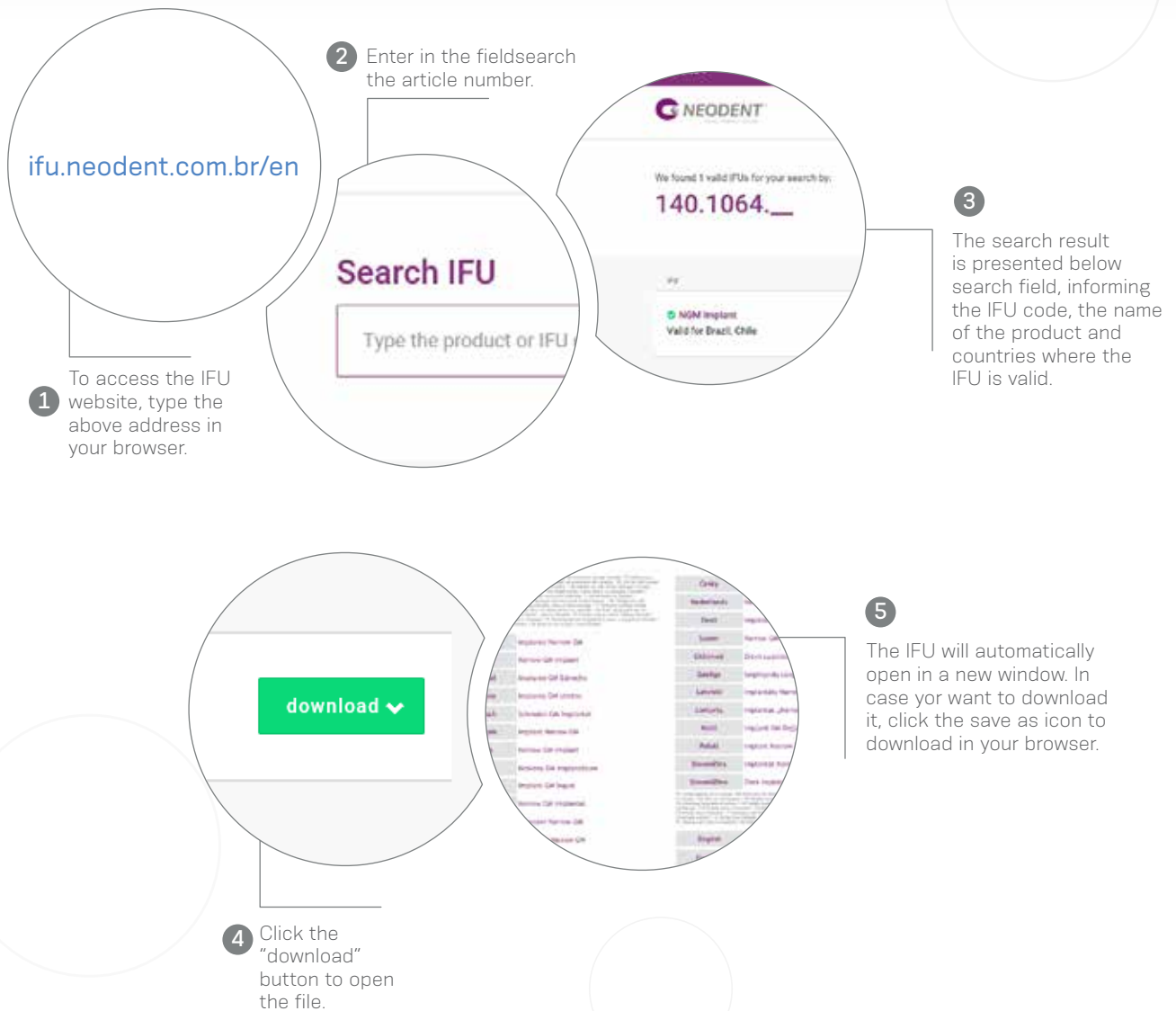


## e-IFU – Electronic Instructions For Use

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](http://ifu.neodent.com.br/en)



# Helix GM Narrow

## PRODUCT FEATURES:

### Implants Description:

- Progressive tapered design;
- Hybrid contour with a cylindrical coronal part and conical on the apical area;
- Active apex with rounded short tip and helicoidal flutes; 12° under-osteotomy for bone types 3 and 4;
- Dynamic progressive thread design: from compressing trapezoidal threads on the coronal area to self-cutting V-shape threads on the apical part;
- Double threaded implant;
- GM Narrow connection.

### Indications:

- Indicated for all types of bone density in the region of lateral incisors in the maxilla or in the region of lateral and central incisors in the mandible.

### Drilling features:

- NGM Countersink Drill is required in bone types I and II;
- Implant should be positioned 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: 35 N.cm.

Available with:

acqua®



### Drill Sequence for conventional surgery



10 mm	✓	✓			✓			✓
12 mm	✓		✓			✓		✓
14 mm	✓			✓			✓	✓

\*Optional / Bone types I and II

10 mm	✓	✓*						
12 mm	✓		✓*					
14 mm	✓			✓*				

\*Optional / Bone types III and IV

### Drill Sequence for guided surgery



10 mm	✓*	✓*	✓	✓			✓		✓
12 mm	✓*	✓*	✓		✓			✓	✓
14 mm	✓*	✓*	✓			✓		✓	✓

\*Optional / Bone types I and II

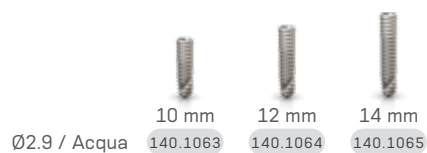
10 mm	✓*	✓*	✓	✓*					
12 mm	✓*	✓*	✓		✓*				
14 mm	✓*	✓*	✓			✓*			

\*Optional / Bone type III

10 mm									
12 mm	✓*	✓*	✓						
14 mm	✓*	✓*	✓						

\*Optional / Bone type IV

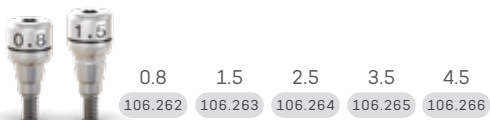
### Helix GM Narrow Implants



### NGM Cover Screw



### NGM Healing Abutment



Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

# NGM Micro Abutment



Single-unit screw-retained prosthesis



Multiple-unit screw-retained prosthesis



Ø 3.5 mm

Gingival heights: 0.8, 1.5, 2.5 & 3.5 mm.



Recommended for anterior region.

Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

## Installation Sequence

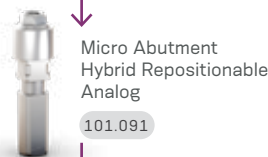
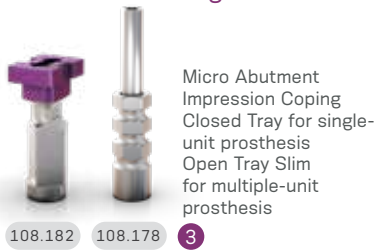
0.8 mm	1.5 mm	NGM Micro Abutment
115.287	115.288	
2.5 mm	3.5 mm	
115.289	115.290	



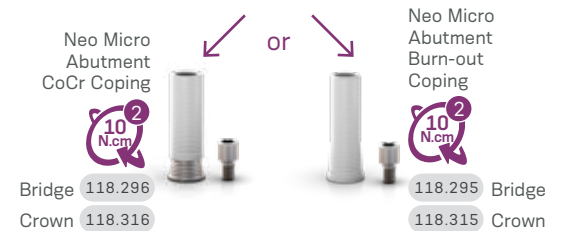
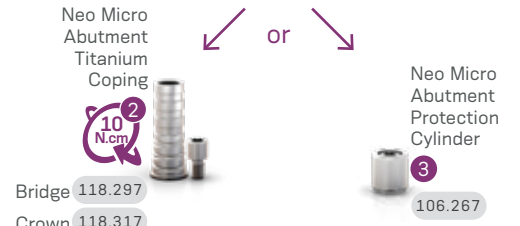
### Intraoral



### Model Scanning



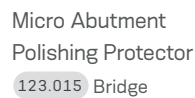
### Conventional



## Drivers



## Accessories



Replacement Coping Screw

116.269 Titanium  
116.270 Neotorque\*

\*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.

# NGM Universal Abutment



Single-unit cement-retained prosthesis



Ø 3.3 mm

Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

Cementable area: 4.0 or 6.0 mm;

Click retention for provisional copings;

Exact;

Neo Removable screw;



## Installation Sequence



NGM Exact Click Universal Abutment

	0.8 mm	1.5 mm	2.5 mm	3.5 mm
4 mm	114.902	114.903	114.904	114.905
6 mm	114.906	114.907	114.908	114.909

OR



NGM Exact Click Universal Abutment 17°

	1.5 mm	2.5 mm	3.5 mm
4 mm	114.910	114.911	114.912
6 mm	114.913	114.914	114.915

### Intraoral



Universal Abutment Intraoral Scanbody

4 mm	6 mm	Ø 3.3
108.143	108.144	



Universal abutment Hybrid Repositionable analog

4 mm	6 mm	Ø 3.3
101.097	101.098	



Milled crown

### Conventional



Click Universal Abutment Impression Coping

4 mm	6 mm	Ø 3.3
108.172	108.173	



Click Universal Abutment Provisional Coping

4 mm	6 mm	Ø 3.3
118.304	118.305	



Universal Abutment Hybrid Repositionable Analog

4 mm	6 mm	Ø 3.3
101.097	101.098	



Universal Abutment Burn-out Coping

4 mm	6 mm	Ø 3.3
118.181	118.182	

## Drivers

1



Neo Screwdriver Torque Connection

+



Torque Wrench

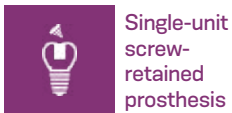
## Accessories

Replacement Sterile Screws



116.294	Titanium
116.293	Neotorque*

# NGM Titanium Base



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



Ø 3.5 mm

Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

- Customizable up to 4 mm high;
- Cementable area: 6.0 or 4.0 mm;
- Exact;
- Neo Removable screw;



## Installation Sequence

### Intraoral



NGM Implant Scanbody  
108.221



NGM Hybrid Analog  
101.107



### Model Scanning



NGM Implant Exact Impression Coping Closed and Open Tray  
108.203 Closed Tray  
108.204 Exact Open Tray  
108.206 Open Tray



NGM Hybrid Analog  
101.107



NGM Implant Scanbody  
108.221



### NGM Exact Titanium Base for Crown Ø 3.5

	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm
4 mm	135.414	135.415	135.416	135.417	135.418
6 mm	135.419	135.420	135.421	135.422	135.423



### Conventional



NGM Implant Exact Impression Coping Closed and Open Tray  
108.203 Closed Tray  
108.204 Exact Open Tray  
108.206 Open Tray



NGM Hybrid Analog  
101.107



### NGM Exact Titanium Base for Crown Ø 3.5

	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm
4 mm	135.414	135.415	135.416	135.417	135.418
6 mm	135.419	135.420	135.421	135.422	135.423

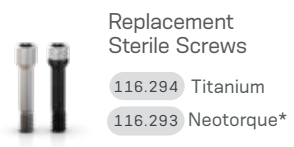


GM Titanium Base Burn-out Coping  
4 mm 118.322  
6 mm 118.323  
Ø 3.5

## Drivers



## Accessories



Replacement Sterile Screws  
116.294 Titanium  
116.293 Neotorque\*

\*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.



# NGM Temporary Abutment



Single-unit screw-retained temporary prosthesis



Ø 3.5

Implant level.

Check it out on the eShop, go to: [needent.com/shopnow](http://needent.com/shopnow)

Channels of customizations;

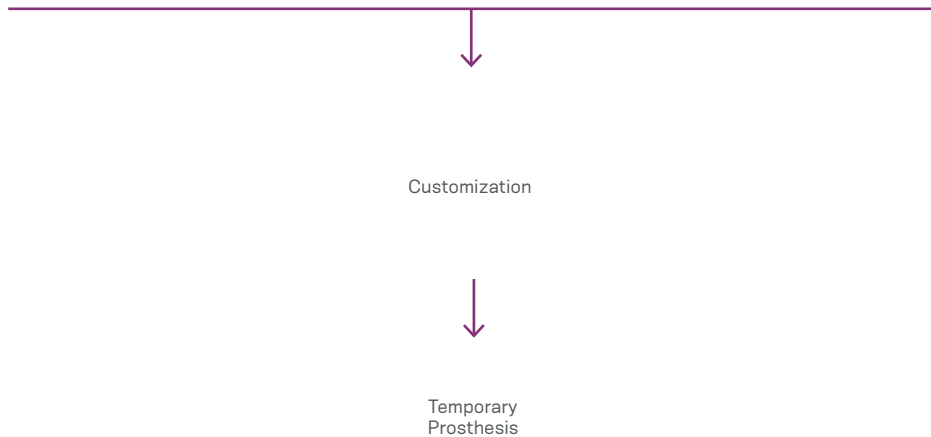
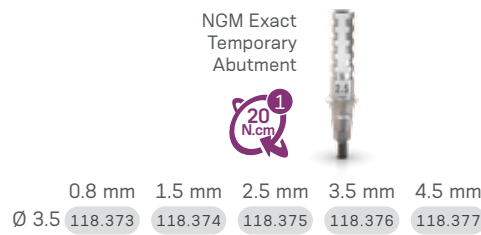
Retention portion height: 10 mm customizable up to 4 mm;

Exact.

Neo Removable screw;



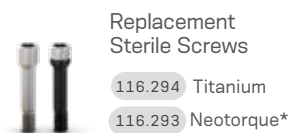
## Installation Sequence



## Drivers



## Accessories



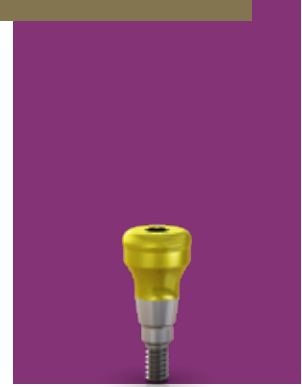
\*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.

# NGM Attachment TIN

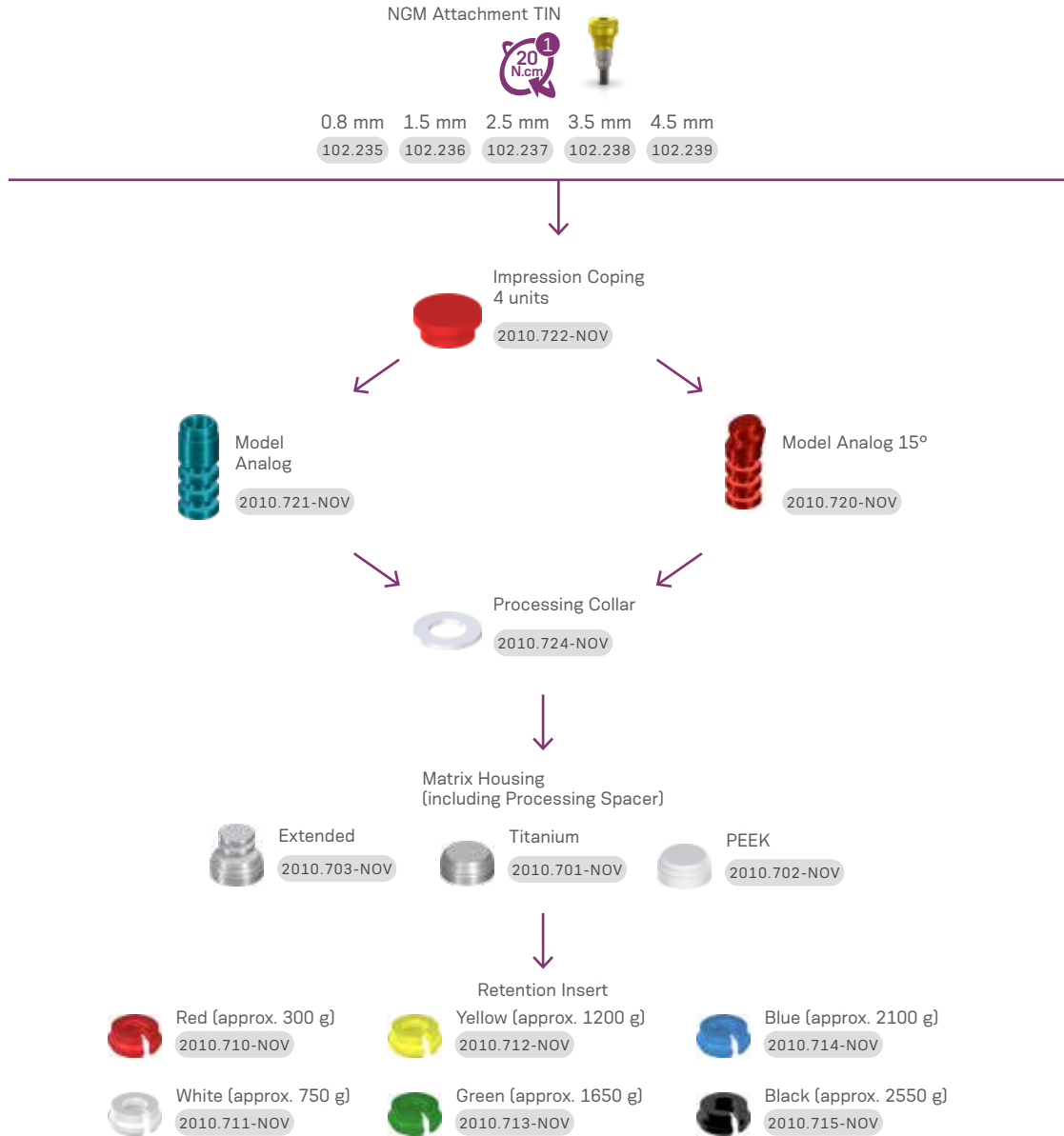


Overdenture

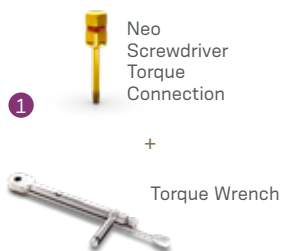
Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)



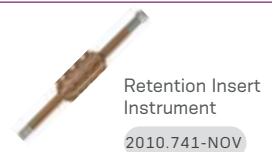
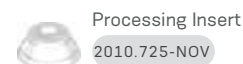
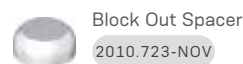
## Installation Sequence



## Drivers



## Accessories





# GM Narrow Kit

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# GM Narrow Surgical Kit

Autoclavable polymer case.

To order the pre-mounted version of the kit, with its complete composition, use code [110.316](#).



## Articles

- 110.315 Helix NGM Compact Surgical Kit Case
- 103.585 NGM Guided Surgery Mucosa Punch
- 103.586 NGM Initial Drill
- 103.667 NGM Guided Surgery Bone Levelling Drill
- 103.668 NGM Guided Surgery Initial Drill
- 103.669 NGM Drill 2.0x10 mm
- 103.670 NGM Drill 2.0x12 mm
- 103.671 NGM Drill 2.0x14 mm
- 103.672 NGM Drill 2.9x10 mm
- 103.673 NGM Drill 2.9x12 mm

- 103.594 NGM Drill 2.9x14 mm
- 103.595 NGM Countersink Drill
- 104.050 Torque Wrench
- 104.060 Neo Manual Screwdriver (Medium)
- 105.132 Neo Screwdriver Torque Connection
- 105.137 Hexagonal Prosthetic Driver
- 105.165 NGM Implant Driver For Contra-angle
- 105.166 NGM Implant Driver For Torque Wrench
- 128.036 NGM Height Measurer
- 129.035 Helix NGM X-ray Positioner

Note: Items that compose Neodent® Kits are sold separately.

 Check it out on the eShop, go to: [neodent.com/shopnow](https://neodent.com/shopnow)

# GM Narrow Instruments

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### NGM Guided Surgery Mucosa Punch

103.585



### NGM Height Measurer

128.036



### NGM Guided Surgery Bone Levelling Drill

103.587



### Helix NGM X-ray Positioner

129.035



### NGM Guided Surgery Initial Drill

103.588



### Neo Manual Screwdriver

- :: Available in surgical steel;
- :: Yellow color for line identification

Medium  
25 mm

104.060



### NGM Initial Drill

103.586



### Neo Screwdriver Torque Connection - Torque Wrench

- :: Available in surgical steel;
- :: Yellow color for line identification.

Medium  
22 mm

105.132

### NGM Tapered Drills



- 103.589 Ø2.0 x 10mm
- 103.590 Ø2.0 x 12mm
- 103.591 Ø2.0 x 14mm
- 103.592 Ø2.9 x 10mm
- 103.593 Ø2.9 x 12mm
- 103.594 Ø2.9 x 14mm



### 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.

Torque Wrench

105.137



### NGM Countersink Drill

103.595



### Torque Wrench

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

104.050



### NGM Implant Driver - Contra Angle

105.165



### NGM Implant Driver - Torque Wrench

105.166



### Sleeve D2.93

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

125.180

# Neodent® Helix Short

EXPLORE NEW LEVELS



## A REMARKABLE SOLUTION FOR VERTICAL BONE ATROPHY

Helix Short was designed to meet patient expectations, delivering the Neodent® established concepts of immediacy and straightforward protocols, even for more demanding indications, such as low vertical bone availability: An alternative to bone graft procedures such as guided bone regeneration and sinus lift augmentation.<sup>11,19</sup>

## EVERY MILLIMETER MATTERS: AN IMPLANT DESIGN FOR A WIDE VARIETY OF CLINICAL SITUATIONS

The proven versatility of the Helix implant design as a short implant, the Helix Short offers solutions for different bone types.

Features built into its design include:

- Body design for progressive stability;
- Single trapezoidal threads;
- Apically tapered: apex for increased mechanical stability;
- Because every millimeter matters, a wide range of lengths.



## THE HELIX SHORT CONNECTION: A STABLE FOUNDATION FOR CHALLENGING REHABILITATIONS

Built upon a new prosthetic platform, the Helix Short connection was designed in conjunction with a transmucosal collar to allow a deep internal connection as a stable foundation for the system - even when using a short implant. Its unique connection, regardless of the implant diameter, provides:

- 1 - Wide cone on top for optimized occlusal forces distribution.
- 2 - Internal indexation for easy handling and precise abutment positioning.



## ACQUA HYDROFILIC SURFACES AND TREATMENT PREDICTABILITY<sup>1-4</sup>

The Neodent® Acqua hydrophilic surface is the next level of the highly successful S.L.A. surface. It was developed to reach expected results outcomes even in the most challenging patient cases, such as soft bone or immediate protocols.<sup>1-4</sup>

acqua



EXPLORE NEW LEVELS WITH HELIX SHORT  
Scan or click on QR and watch the concept!



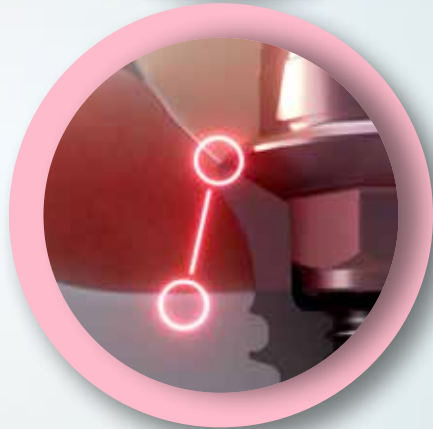
## A DESIGN FOR OPTIMIZED SOFT TISSUE MANAGEMENT SEEKING LONG-TERM SUCCESS.<sup>20,21</sup>

Helix Short implant combines reduced lengths with a transmucosal collar. The smooth surface of this tissue level portion addresses the emerging concerns of modern implant dentistry related to peri-implant diseases, enabling more favorable long-term outcomes for treatments.<sup>20</sup>

### THE HELIX SHORT TRANSMUCOSAL COLLAR: A CONCEPT DESIGNED FOR TISSUE LEVEL AND PERI-IMPLANT MANAGEMENT.



Transmucosal collar: Smooth surface optimized for lower bacterial adhesion.<sup>21</sup>



Implant-abutment interface: Position far from the crestal bone and optimized space for biological distance.<sup>20</sup>

### FEATURING SOFT TISSUE MANAGEMENT AND BETTER ESTHETIC OUTCOMES.

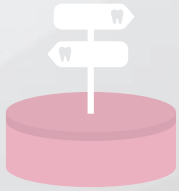


Anodized transmucosal collar: Mimics the natural color of soft tissues for positive outcomes even in aesthetic demanding cases.<sup>22</sup>



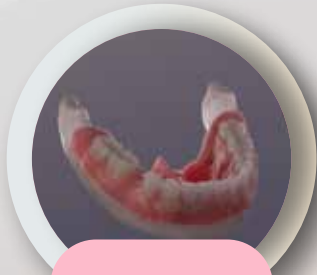
**A STANDARD TRANSMUCOSAL COLLAR, OPTIMIZED FOR LOWER BACTERIAL ADHESION**

Scan or click on QR code and check out!

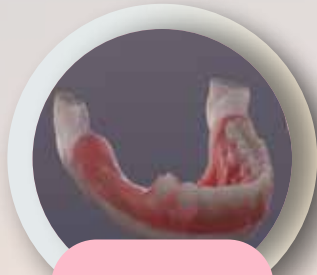


## VERSATILE PROSTHETIC RESOLUTIONS AND ANATOMICAL COMPATIBILITY

The Helix Short provides a versatile and safe prosthetic solution for cases of low vertical bone availability. From single units to full arch restorations\*, the system provides clinicians tools and a comprehensive prosthetic portfolio designed to treat prevalent and challenging clinical situations.



Single-unit



Multi-unit



Full-arch

\*single-units indication: 5.5 mm length or above.

## MEET YOUR PATIENT EXPECTATION FOR PREVALENT AND CHALLENGING CASES.

The Helix Short provides predictability for different types of prosthetic resolutions, from single-unit to full arch restorations:



Temporary Abutments

Titanium Base for Crown

Titanium Base for Bridge

Straight Mini Conical Abutment

Angled Mini Conical Abutment

Attachment TiN



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



Temporary



Multiple-unit screw-retained prosthesis



Overdenture

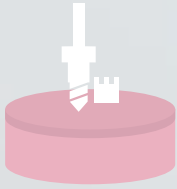
## FROM CONVENTIONAL TO DIGITAL: A WIDE RANGE OF MATERIALS AND WORKFLOWS .

Meet and exceed patient expectations with access to a variety of restorative material options for a wide range of abutments:

- Milling, printing, or conventional manufacturing that features simplicity in all workflows;
- Prosthetic libraries available for the main CAD/CAM systems.







### **MORE PREDICTABILITY FOR CHALLENGING SURGICAL PROCEDURES**

The Neodent® Helix Short system's greater intuitiveness and deep drilling control helps clinicians build confidence to overcome the challenges of performing procedures in patients with low vertical bone availability.



### **BUILD CONFIDENCE DURING DRILLING BY GAINING MORE PREDICTABLE DEPTH CONTROL.**

Protect anatomical structures, such as the inferior alveolar neurovascular bundle, maxillary sinus, or adjacent roots with better physical control of drilling depths and predictable stops. Improve accuracy even in challenging clinical situations, such as limited visibility caused by adjacent teeth, tongue, bleed, or saliva.



### **AN INTUITIVE COLOR-CODED PROTOCOL: THE NEXT STEP IN EFFICIENT SURGICAL PROCEDURES**

By offering a color-coded system, the Helix Short Surgical Kit facilitates the drilling sequence during the surgical procedure and enables a more user-friendly experience.



### **SEE THE DRILLING SYSTEM IN PRACTICE**

Scan or click on QR code!

# Neodent® Helix Short Implant packaging and placement

Neodent® packaging has been specially updated for easy handling and seeking to achieve a safe surgical procedure, providing practicality from implant stocking to the capture and transport and implant bed. The implant's features, such as type, diameter and length, are readily identifiable on the outside of the packaging.

Three self-adhesive labels are provided for recording in the patient's medical records and for reporting to the prosthesis team. They also allow traceability for all articles.



## Instructions on opening the implant package

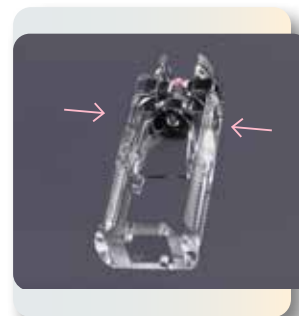


1. The cardboard and blister packagings must be opened, manually, without the use of sterile gloves. Break the seal of the cardboard packaging and remove the blister. Open the blister pack. Deposit the sterile flask over the surgical field.

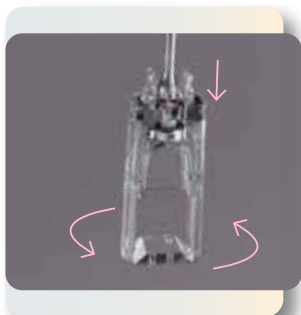
Note: the clear tube and implant must be handled with a sterile surgical glove, in a surgical environment. Hold the bottle using the non-dominant hand and take the lid off.



2. Hold the bottle using the non-dominant hand and take the lid off. The internal support containing the implant should come out attached to the lid. To do so, remove the lid and the clear tube's internal support in the axial direction making no lateral movements.



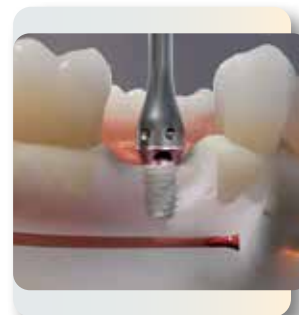
3. Using the non-dominant hand, press the sides of the internal support promoting a "pincer effect" and immobilizing the implant. Keep the support pressed and remove the lid.



4. For installation, hold the implant with the driver for contra angle, keeping the connection stable and slightly rotating the internal support, searching for the perfect fit between the connection and the implant.



5. Take the implant to the surgical cavity.



6. Place the implant with a maximum torque of 35 N.cm and speed of 30 rpm, clockwise.

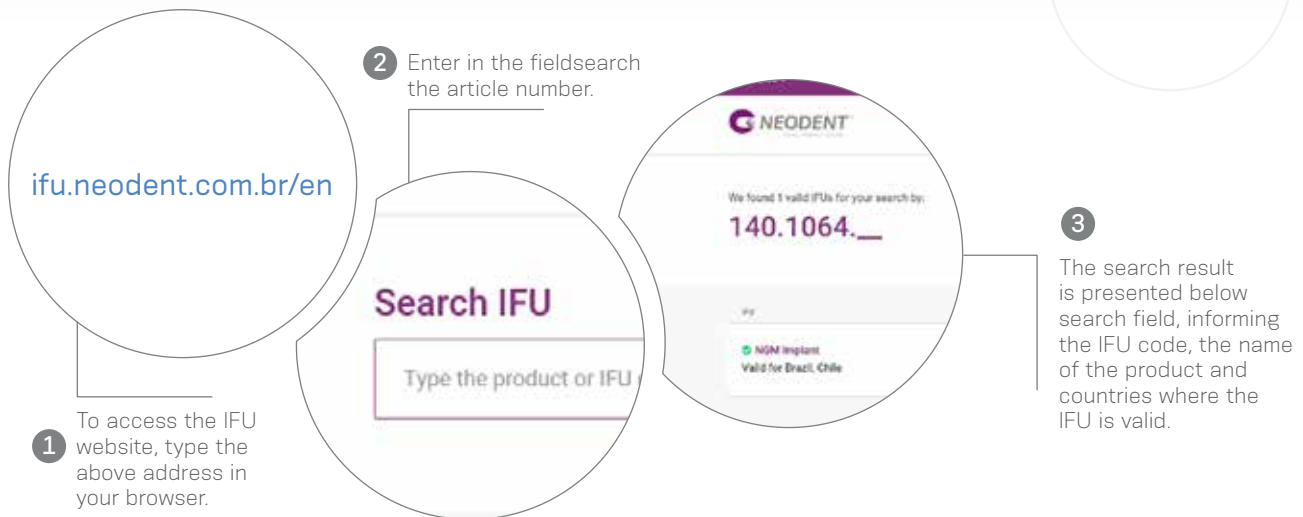


## e-IFU – Electronic Instructions For Use

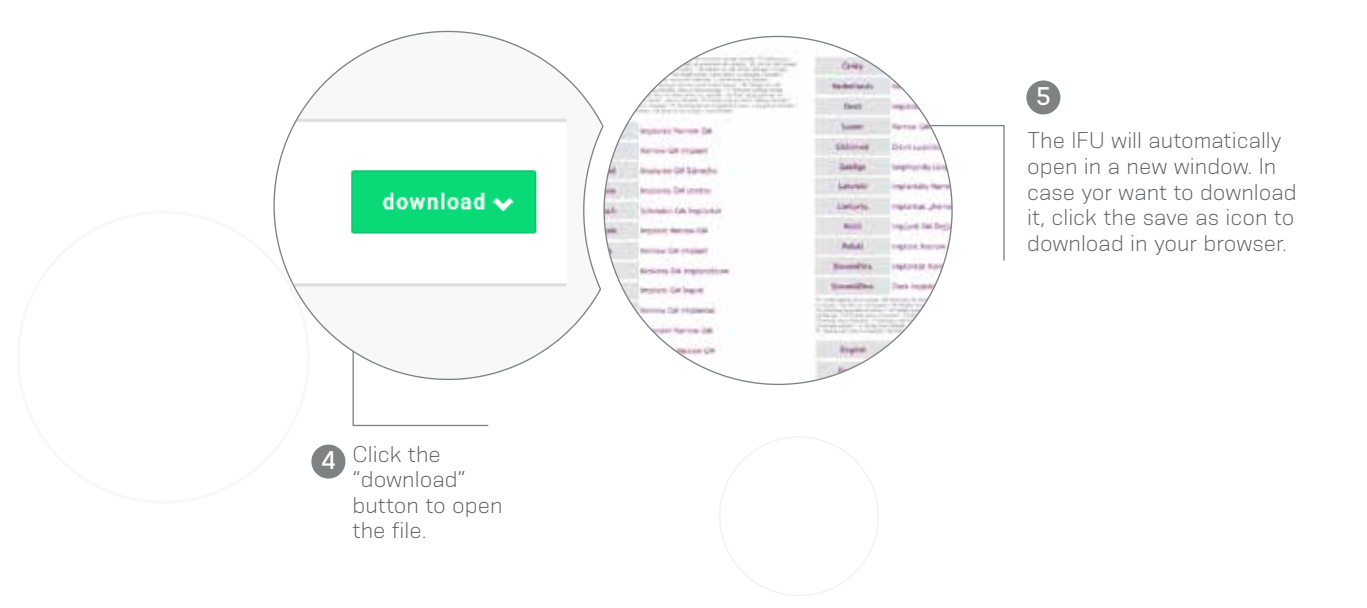
Neodent® innovates once more, providing an on-line platform designed to provide quick and practical use of its own products instructions: the e-IFU (Instructions For Use) website.

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](http://ifu.neodent.com.br/en)



129



# Helix Short

## PRODUCT CHARACTERISTICS:

Description of the implant:

- Body design for progressive stability;
- Tapered apex;
- Trapezoidal threads;
- Helix Short interface;
- Transmucosal collar with 1.8mm in all lengths options.

Indications:

- For all types of bone density and post-extraction placement.

Osteotomy:














- The treated portion of the implant should be positioned at bone level and the anodized portion (transmucosal collar) at soft tissue level;
- The Profile Drill should be used for the installation of implants with a diameter of 3.75 mm, 4.0 mm and 5.0 mm when there is a possibility of bone contact in the anodized portion (transmucosal collar);
- Drilling Speed: 800-1200 rpm for bone types I and II;
- Drilling Speed: 500-800 rpm for bone types III and IV;
- Insertion Rotation: 30 rpm;
- Maximum Insertion Torque: 60 N.cm.




Available in:




## Drill Sequence

	 Twist Ø 2.0 103.621	 Tapered Ø 2.7 103.597	 Tapered Ø 3.75 103.607	 Tapered Ø 3.75+ 103.608	 Tapered Ø 4.0 103.598	 Tapered Ø 4.0+ 103.599	 Tapered Ø 5.0 103.600	 Tapered Ø 5.0+ 103.601	 Tapered Ø 6.0 103.602	 Tapered Ø 6.0+ 103.603	 Tapered Ø 7.0 103.604	 Tapered Ø 7.0+ 103.605	 Bone Profile 103.606
Ø 3.75 mm	✓*	✓	✓	✓									✓*
Ø 4.0 mm	✓*	✓	✓*		✓	✓							✓*
Ø 5.0 mm	✓*	✓	✓*		✓		✓	✓					✓*
Ø 6.0 mm	✓*	✓	✓*		✓		✓		✓	✓			
Ø 7.0 mm	✓*	✓	✓*		✓		✓		✓		✓	✓	

\*Optional/Bone types I and II 

Ø 3.75 mm	✓*	✓	✓										
Ø 4.0 mm	✓*	✓	✓*		✓								
Ø 5.0 mm	✓*	✓	✓*		✓		✓						
Ø 6.0 mm	✓*	✓	✓*		✓		✓		✓				
Ø 7.0 mm	✓*	✓	✓*		✓		✓		✓		✓		

\*Optional/Bone types III and IV 

## Helix Short GM® Implants

	4.0 mm	5.5 mm	7.0 mm	8.5 mm
Ø 3.75	 Acqua 140.1082	 Acqua 140.1083	 Acqua 140.1084	 Acqua 140.1085
Ø 5.0	 Acqua 140.1070	 Acqua 140.1071	 Acqua 140.1072	 Acqua 140.1073
Ø 6.0	 Acqua 140.1074	 Acqua 140.1075	 Acqua 140.1076	 Acqua 140.1077
Ø 7.0	 Acqua 140.1078	 Acqua 140.1079	 Acqua 140.1080	 Acqua 140.1081

## HS Cover Screw



117.025

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

## HS Healing Abutments



106.270 1.5 / 2.5

106.273 1.5 / 2.5 / 3.5 / 4.5 / 5.5

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

 Check it out on the eShop, go to:  
[neodent.com/shopnow](http://neodent.com/shopnow)

# HS Mini Conical Abutment

Allow an additional  
1.5 to 2.0 mm of  
restorative material;

Minimum interocclusal space of  
4.5 mm from the mucosa level;

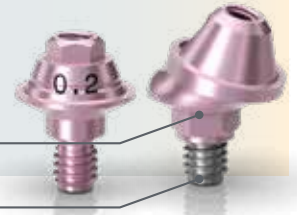


Multiple-unit  
screw-retained  
prosthesis (bridge)



Ø 4.8 mm

Check it out on the eShop, go to:  
[neodent.com/shopnow](http://neodent.com/shopnow)



Exact;

Neo Removable Screw.

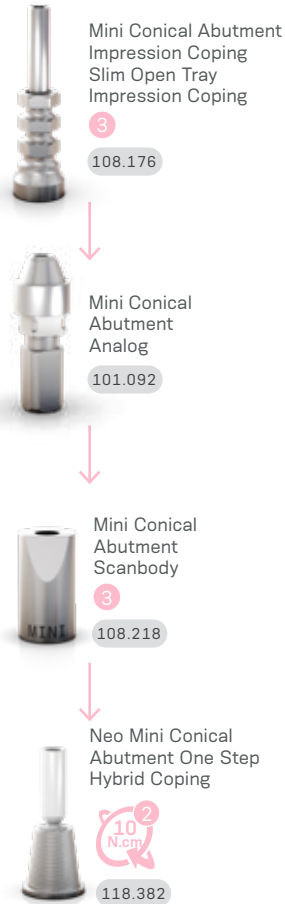
## Installation Sequence

	0.2 mm	1.5 mm	HS Mini Conical Abutment	or	HS Exact Mini Angled Abutment 17°	0.6 mm	1.5 mm
	115.291	115.292				115.296	115.297
	2.5 mm	3.5 mm	4.5 mm			2.5 mm	3.5 mm
	115.293	115.294	115.295			115.298	115.299

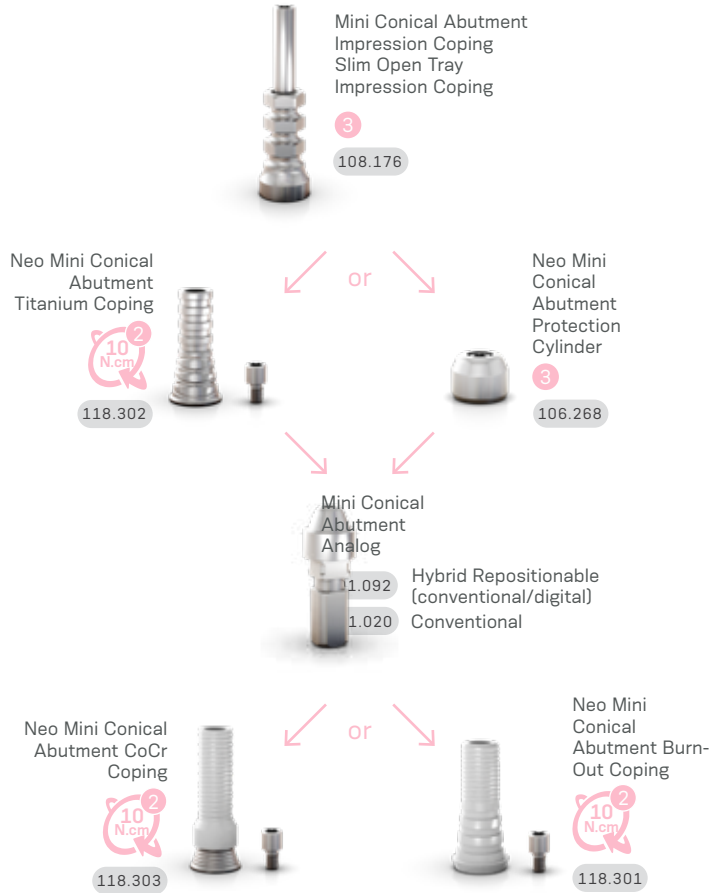
### Intraoral



### Model Scanning



### Conventional



## Drivers

- Hexagonal Prosthetic Driver + Torque Wrench
- Neo Screwdriver Torque Connection + Torque Wrench
- Neo Screwdriver Torque Connection + Manual Screwdriver for Torque Connection

## Accessories

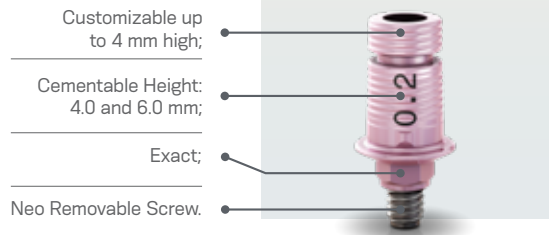
- Mini Abutment Polishing Protector (123.008)
- Sterile replacement coping screw (116.269 Titanium, 116.270 Neotorque®\*)

\*Application of a thin carbon-based film that decreases the amount of friction, resulting in increased pre-load.

# HS Exact Titanium Base

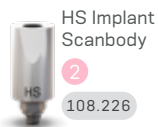


Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

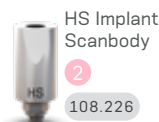
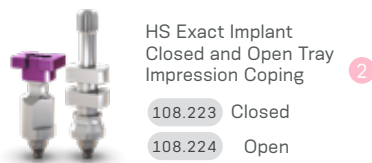


## Installation Sequence

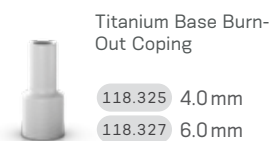
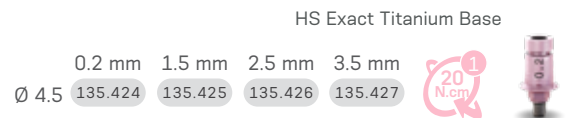
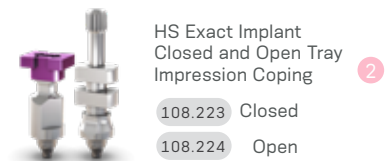
### Intraoral



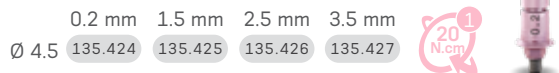
### Model Scanning



### Conventional



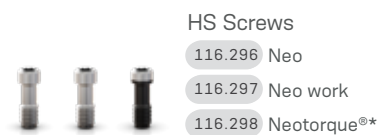
### HS Exact Titanium Base



## Drivers



## Accessories



\*Application of a thin carbon-based film that decreases the amount of friction, resulting in increased pre-load.

# HS Titanium Base for Bridge



Multi-unit screw-retained prosthesis



Multi-unit cement-retained prosthesis



Ø 4.8 mm

Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

Cementable Area: 4.5mm;

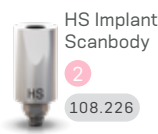
With internal threads for a secure engagement of the screw;

Neo Removable Screw.



## Installation Sequence

### Intraoral



### Model Scanning



HS Implant Open Tray Impression Coping

108.225



HS Hybrid Analog

101.108



HS Implant Scanbody

108.226



HS Titanium Base for Bridge

Ø 4.5 0.2 mm 1.5 mm 2.5 mm 3.5 mm  
135.428 135.429 135.430 135.431



## Drivers

1



Neo Screwdriver Torque Connection

+



Torque Wrench

2



Neo Screwdriver Torque Connection

+



Manual Screwdriver for Torque Connection

## Accessories

HS Screws

116.296 Neo

116.297 Neo work

116.298 Neotorque®\*



\*Application of a thin carbon-based film that decreases the amount of friction, resulting in increased pre-load.



# HS Titanium Temporary Abutment



Temporary single-unit screw-retained prosthesis



Temporary multi-unit cement-retained prosthesis



Ø 4.8 mm

Customizable area in titanium.  
A minimum height of 4 mm of the customizable area must be kept.  
With retention slots for acrylic material, allowing customization.

Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

Consider a further 1.5 to 2.0 mm of restorative material;

Channels of personalization;

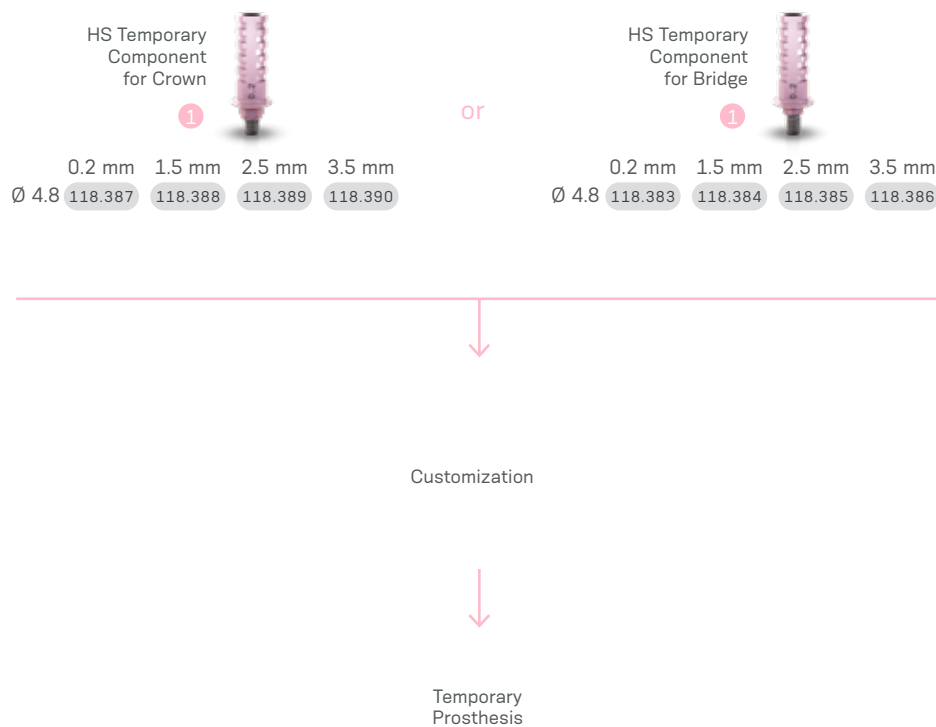
Interocclusal height of 10 mm (customizable by up to 4.0 mm);

Exact;

Removable screw.



## Installation Sequence



## Drivers



Torque Wrench

## Accessories



HS Screws

116.296 Neo

116.297 Neo work

116.298 Neotorque®\*

\*Application of a thin carbon-based film that decreases the amount of friction, resulting in increased pre-load.

# HS TIN Attachment



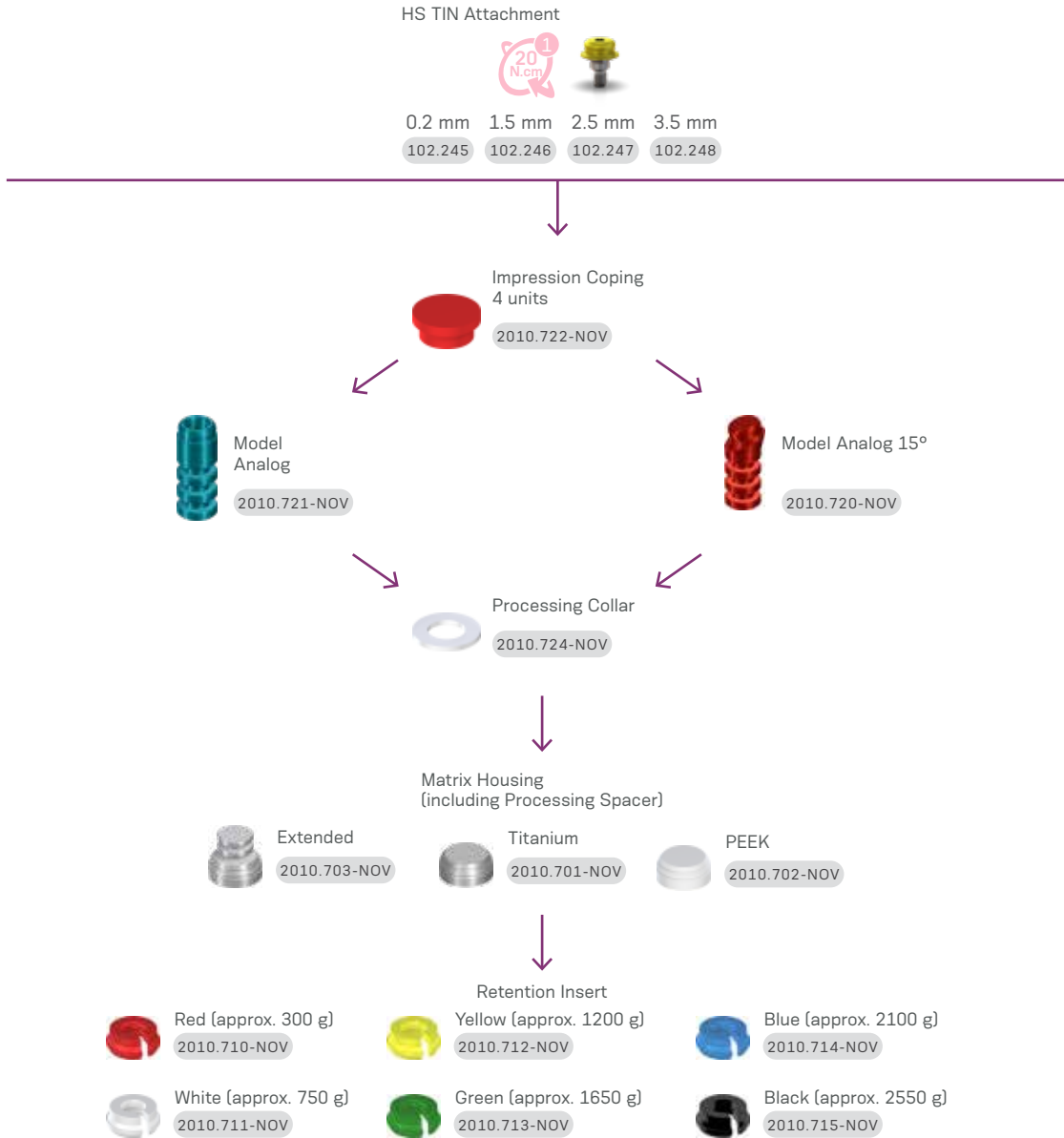
Overdenture

In-mouth capture recommended, one abutment at a time;  
 O-ring with Coping, Protection Disk included;  
 Allows angulation of up to 30° between two implants.

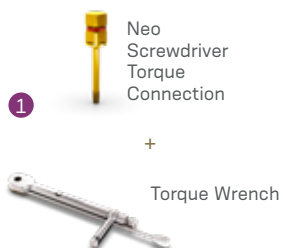
Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)



## Installation Sequence



## Drivers



## Accessories





Kit

Helix Short

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# Surgical Kit Helix Short

Autoclavable polymer case.

To order the pre-mounted version of the kit, with its full composition, use code 110.318.



## Articles

- 110.317 HS Surgical Kit Cassette
- 103.621 Helix Short Twist Drill 2.0
- 103.597 Helix Short Tapered Drill 2.7
- 103.607 Helix Short Tapered Drill 3.75
- 103.608 Helix Short Tapered Drill 3.75+
- 103.598 Helix Short Tapered Drill 4.0
- 103.599 Helix Short Tapered Drill 4.0+
- 103.600 Helix Short Tapered Drill 5.0
- 103.601 Helix Short Tapered Drill 5.0+
- 103.602 Helix Short Tapered Drill 6.0
- 103.603 Helix Short Tapered Drill 6.0+
- 103.604 Helix Short Tapered Drill 7.0
- 103.605 Helix Short Tapered Drill 7.0+
- 103.606 HS Bone Profile Drill
- 125.181 Physical Stop 4.0 for Helix Short Drill 2.0/2.7/3.75/4.0
- 125.182 Physical Stop 5.5 for Helix Short Drill 2.0/2.7/3.75/4.0
- 125.183 Physical Stop 7.0 for Helix Short Drill 2.0/2.7/3.75/4.0
- 125.184 Physical Stop 8.5 for Helix Short Drill 2.0/2.7/3.75/4.0
- 125.185 Physical Stop 4.0 for Helix Short Drill 5.0
- 125.186 Physical Stop 5.5 for Helix Short Drill 5.0
- 125.187 Physical Stop 7.0 for Helix Short Drill 5.0
- 125.188 Physical Stop 8.5 for Helix Short Drill 5.0
- 125.189 Physical Stop 4.0 for Helix Short Drill 6.0/7.0
- 125.190 Physical Stop 5.5 for Helix Short Drill 6.0/7.0
- 125.191 Physical Stop 7.0 for Helix Short Drill 6.0/7.0
- 125.192 Physical Stop 8.5 for Helix Short Drill 6.0/7.0
- 103.426 Drill Extender
- 105.153 HS Implant Driver for Contra-angle
- 105.154 HS Implant Driver - Torque Wrench (Short)
- 105.155 HS Implant Driver for Torque Wrench
- 128.037 HS Angle Measurer 17°
- 128.038 HS Height Measurer
- 128.039 HS Direction Indicator/X-Ray Positioner 2.7/3.75
- 104.060 Neo Manual Screwdriver (medium)
- 105.132 Neo Screwdriver Torque Connection (medium) – Torque Wrench
- 105.137 Hexagonal Prosthetic Driver – Torque Wrench

Note: Items that are part of the Neodent® Kits are sold separately.

 Check it out on the eShop, go to:  
[neodent.com/shopnow](https://neodent.com/shopnow)

# Instruments

## Helix Short

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### Twist Drill

- :: Available in surgical steel;
- :: Diameter of 2.0 mm.

103.621

### Tapered Drill

- :: Available in surgical steel;
- :: Surgical cavity instrumentation sequence for Helix Short implants;
- :: Color-coded according to diameter.



Ø 2.7	103.597	Ø 5.0+	103.601
Ø 3.75	103.607	Ø 6.0	103.602
Ø 3.75+	103.608	Ø 6.0+	103.603
Ø 4.0	103.598	Ø 7.0	103.604
Ø 4.0+	103.599	Ø 7.0+	103.605
Ø 5.0	103.600		

### HS Bone Profile Drill.

- :: Available in surgical steel;
- :: It accommodates the bone around the implant platform, preparing the bone profile around the transmucosal collar when necessary (for implants 3.75 mm, 4.0 mm and 5.0 mm).



103.606

### Drill Extender

- :: Available in surgical steel;
- :: Fit the drill directly into the Drill Extender.



103.426

### Physical Stops for Helix Short Drills

- :: Available in titanium;
- :: For use in combination with Helix Short Drills;
- :: Physical control of drilling depth.

- 125.181 Physical Stop 4.0 for drills Ø 2.0 / 2.7 / 3.75 / 4.0
- 125.182 Physical Stop 5.5 for drills Ø 2.0 / 2.7 / 3.75 / 4.0
- 125.183 Physical Stop 7.0 for drills Ø 2.0 / 2.7 / 3.75 / 4.0
- 125.184 Physical Stop 8.5 for drills Ø 2.0 / 2.7 / 3.75 / 4.0
- 125.185 Physical Stop 4.0 for drill Ø 5.0
- 125.186 Physical Stop 5.5 for drill Ø 5.0
- 125.187 Physical Stop 7.0 for drill Ø 5.0
- 125.188 Physical Stop 8.5 for drill Ø 5.0
- 125.189 Physical Stop 4.0 for drill Ø 6.0 / 7.0
- 125.190 Physical Stop 5.5 for drill Ø 6.0 / 7.0
- 125.191 Physical Stop 7.0 for drill Ø 6.0 / 7.0
- 125.192 Physical Stop 8.5 for drill Ø 6.0 / 7.0



### HS Direction Indicator / X-Ray Positioner

- :: Available in titanium;
- :: Instrument to guide the implant position;
- :: Narrower side for use after the 2.7 mm drill as direction indicator and X-Ray positioner;
- :: Wider side for use after drill 3.75 mm as direction indicator.



128.039

### HS Angle Measurer 17°

- :: Available in titanium;
- :: Angle: 17°;
- :: For checking the angulation and indicating the correct positioning of the abutments during the prosthetic phase;



128.037

### HS Height Measurer

- :: Available in titanium;
- :: For the selection of abutments;
- :: Markings correspond to gingival heights.



128.038

### Neo Screwdriver Torque Connection

- :: Available in surgical steel;
- :: Yellow color for line identification.



104.060 Neo Manual Screwdriver (medium)

105.132 Neo Screwdriver Torque Connection (medium) – Ratchet

### Hexagonal Prosthetic Driver

- :: Available in surgical steel;
- :: For installation of the HS Mini Abutment.



105.137 torque wrench

### Support for Helix Short Physical Stops Kit

- :: Available in polymer;
- :: Replacement piece;
- :: To keep the physical stops organized and to adapt and remove the drills during the procedure



110.319

Check it out on the eShop, go to: [neodent.com/shoopnow](http://neodent.com/shoopnow)

### Torque Wrench



- :: Available in surgical steel;
- :: Extremely secure (lower than 5% variation);
- :: Fitting for square connections;
- :: Collapsible torque wrench that allows for appropriate cleaning.

104.050

### HS Implant Driver for Torque Wrench



- :: For placement of HS implants with the Torque Wrench (104.050);
- :: With six markings, indicating the position of the face of the hex driver;
- :: Maximum torque 60 N.cm.

105.154 Short

105.155 Regular

### HS Implant Driver for Contra-Angle



- :: To capture the HS Implant directly from the packaging;
- :: For placement of HS Implants with Contra-angle, or coupled to the Manual Screwdriver for Contra-angle Connections (104.028) for manual insertion;
- :: With six markings, indicating the position of the face of the hex driver;
- :: Maximum torque 35 N.cm.

105.153

 Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)



# Orthodontic Anchorage

## PRODUCT FEATURES:

- Available in Titanium alloy as per ASTM-F136 (V);
- Self-perforating;
- Collar height;
- - Low: 0 mm;
- - Medium: 1 mm.
- Hole diameter: 0.7 mm;
- Hex diameter: 2,7mm.

---

### Indications:

- Implants for orthodontic movement.

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### Drilling features:

- Drilling speed: 200 rpm;
- Placement speed: 30 rpm;
- Torque resistance of up to 10 N.cm ( $\varnothing$  1.3 mm) and 20 N.cm ( $\varnothing$  1.6 mm).



	Low Collar				Medium Collar			
	5 mm	7 mm	9 mm	11 mm	5 mm	7 mm	9 mm	11 mm
Ø 1.3								
		109.484	109.485	109.486		109.487	109.488	109.489
Ø 1.6								
	109.701	109.493	109.494	109.495	109.702	109.496	109.497	109.498



Orthodontic Anchorage Implant Package.



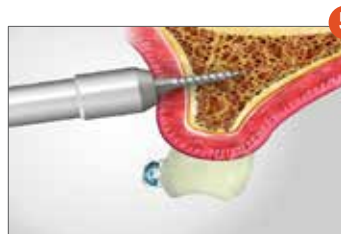
Remove the cap to access the implant.



Implant capture with Orthodontic Anchorage Contra-Angle Connection.



Implant placement with Contra-Angle Connections (105.039 or 105.040).



Option of manual implant insertion using a Handle Anchorage Implant Driver (104.033) or Torque Wrench Adaptor for Contra-Angle Connections (105.025).



Implant placed.

## Instruments

- 103.044 Handle Anchorage Implant Driver, Stainless Steel
- 103.079 Punch for Orthodontic Anchorage, Stainless Steel
- 105.040 Bone Grafting/Anchorage Drill, Stainless Steel, 1.1 mm
- 105.025 Manual Implant Driver - Contra-Angle, Stainless Steel

- 104.028 Bone Grafting/Anchorage Drill, Stainless Steel, 1.3 mm
- 104.033 Torque Wrench Adaptor Connections Contra Angle, Stainless Steel
- 103.207 Anchorage Implant Driver - Torque Wrench (Short), Stainless Steel

 Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

# Bone Grafting

## PRODUCT FEATURES:

- Available in Titanium;
- Self-perforating.

### Indications:

- Fixation of bone block graft.

### Drilling features:

- Drilling speed: 200 rpm;
- Placement speed: 30 rpm.



Expanded Head

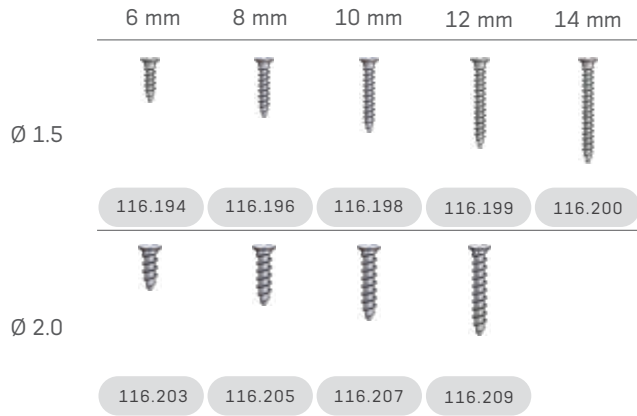


Standard Head

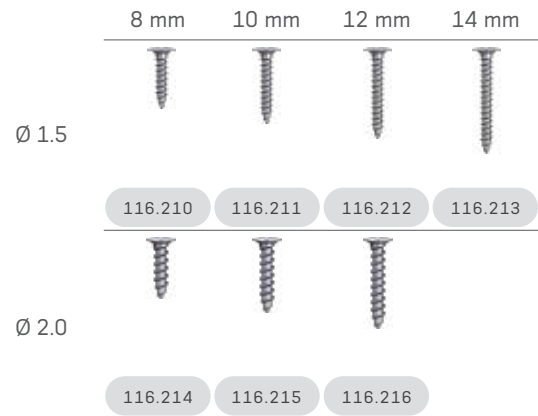


Ø 1.5 mm	Ø 3.70 mm	Ø 2.5 mm
Ø 2.0 mm	Ø 3.85 mm	Ø 3.0 mm

### Standard Head



### Expanded Head



## Bone Grafting and Orthodontic Anchorage Kit

Autoclavable polymer case.

The Kit features three compositions:

- Complete.
- Bone Grafting.
- Anchorage.



### Articles

110.263	Bone Grafting and Orthodontic Anchorage Kit Case	● ● ●	103.078	Drill 1.3 for Straight Piece	● ● ●
104.018	Bone Grafting Manual Driver	● ●	103.042	Drill 1.1 for Straight Piece	● ● ●
105.063	Philips Connection for Manual Driver	● ●	103.071	Punch for Bone Grafting/Orthodontic Anchorage	● ●
105.023	Philips Connection for Contra-Angle	● ●	104.033	Orthodontic Anchorage Implant Driver	● ●
103.045	Drill 1.6 for Contra-Angle	● ●	105.039	Anchorage Implant Driver Contra-Angle Connection - Long	● ●
103.079	Drill 1.3 for Contra-Angle	● ● ●	105.040	Anchorage Implant Driver Contra-Angle Connection - Short	● ●
103.044	Drill 1.1 for Contra-Angle	● ● ●	105.025	Torque Wrench Adaptor for Contra-Angle Connections	● ●
103.043	Drill 1.6 for Straight Piece	● ●			

Note: Items that compose Neodent Kits are sold separately.

Check it out on the eShop, go to:  
[neodent.com/shopnow](https://neodent.com/shopnow)



## Instruments



### Drills for Orthodontic Anchorage

- :: Available in stainless steel;
- :: Recommended for type I and II bones;
- :: Marks refer to Implant length (5, 7, 9 and 11mm)

Ø 1.1	Ø 1.3	Ø 1.6	
103.042	103.078	103.043	Straight Piece
103.044	103.079	103.045	Contra-Angle



### Orthodontic Anchorage Implant Driver

- :: Available in stainless steel;
- :: Orthodontic Anchorage Implant manual placement.

104.033



### Punch for Bone Grafting/ Orthodontic Anchorage

- :: Available in stainless steel;
- :: Initial cortical rupture.

103.071



### Bone Grafting Manual Driver

- :: :: Assists in handling Philips Driver (105.063) and Punch for Bone Grafting/Orthodontic Anchorage (103.071).

104.018



### Orthodontic Anchorage Adaptor Connections

- :: Connections for placing Anchorage Implants with Torque Wrench and Contra-Angle;
- :: Torque Wrench Adaptor Contra-Angle Connections (105.025).

Short	Long	Wrench
105.040	105.039	105.025



### Philips Driver

- :: Available in stainless steel;
- :: Screw placement for bone grafting.

Manual Driver	Contra-Angle
105.063	105.023

Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

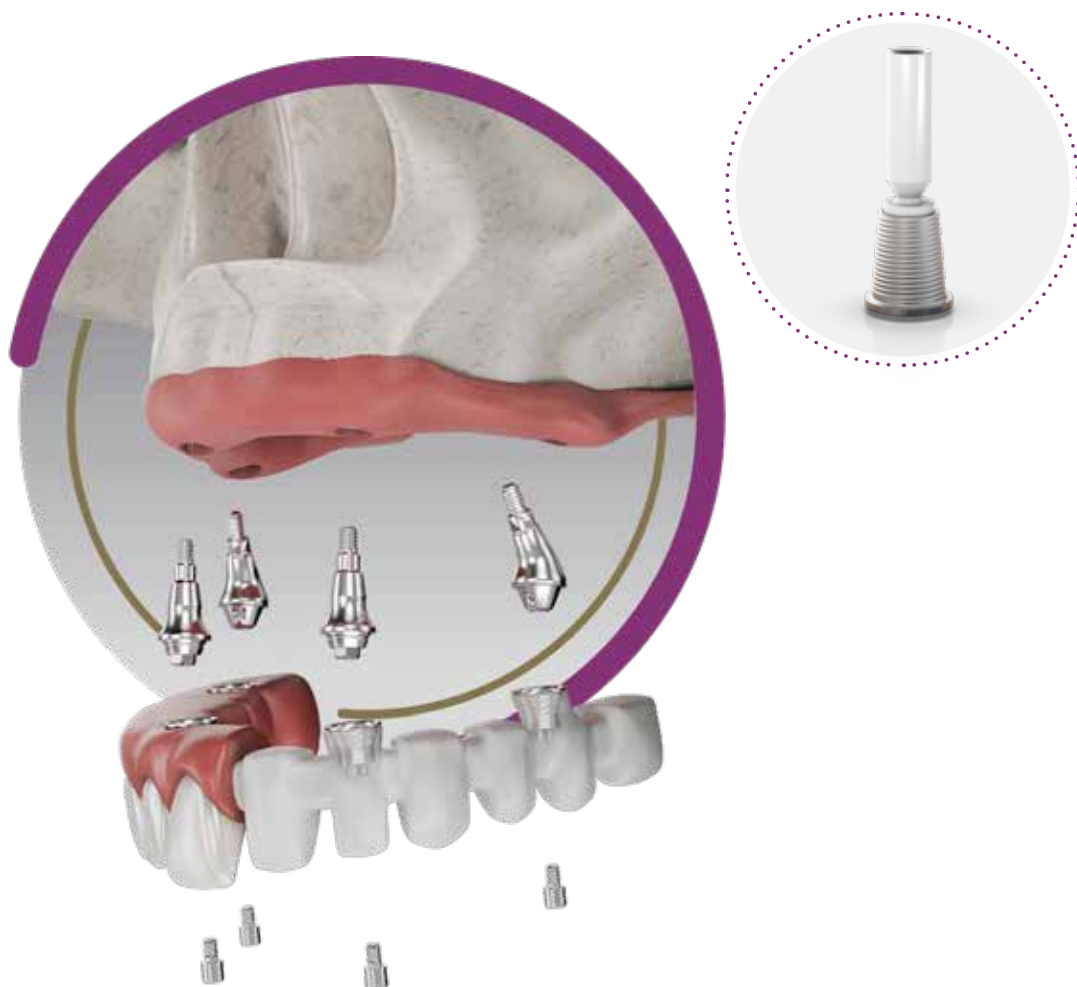


# Neodent<sup>®</sup> Techniques

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# One Step Hybrid Technique

The One Step Hybrid technique allows the passive fitting of prosthesis, without the need for weld procedure, by cementing the neo micro/mini titanium abutment coping base into the metal structure. This technique allows as well through a digital workflow, milled dental structure to be cemented on top of this titanium abutment coping. It is indicated for multi-unit screw-retained prosthesis and results in reduced laboratory work times. It can be performed over GM Mini Conical Abutments or GM Micro Abutments. The sequence to perform the One Step Hybrid technique is described in the following pictures:



## Neo Mini Conical Abutments Copings One Step Hybrid Technique

:: For installation, use the Neo Torque Connection (105.132);  
 :: For torque control, use Torque Wrench (104.050).

Burn-out	Brass	Titanium
118.340	118.331	118.382



## Neo Micro Conical Abutments Copings One Step Hybrid Technique

:: For installation, use the Neo Torque Connection (105.132);  
 :: For torque control, use Torque Wrench (104.050).

Burn-out	Brass	Titanium
118.341	118.333	118.381



## Neo Working Screw One Step Hybrid

:: For laboratory use.

116.271

 Check it out on the eShop, go to: [neodent.com/shopnow](http://neodent.com/shopnow)

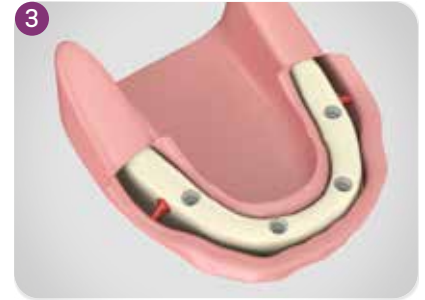
## Demonstration Sequence



Regularize the alveolar ridge.



Surgical drilling completed, obtaining adequate distance from distal implant in relation to the mental foramen with 7 mm Space Planning Instrument.



Placement of 4 Neodent® implants, according to their indication.



Placement of corresponding Neodent® Abutments.



Placement of Impression Copings, splinted with acrylic resin.



Positioning of Multifunctional Guide to obtain intermaxillary correlation. Soft silicone is injected to take the soft tissue impression.



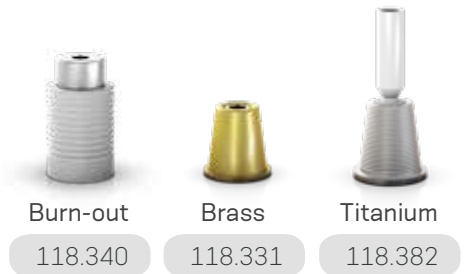
Removal of Multi-Functional Guide and placement of Analogs to the impression copings.



Working model with artificial gum.

Option 1 -Conventional Workflow for cast framework

Neo Mini Abutments Copings  
One Step Hybrid Technique



1 Working model with artificial gum.



2 Brass Copings are placed over analogs, then Burn-out Copings are fixed by working screws.



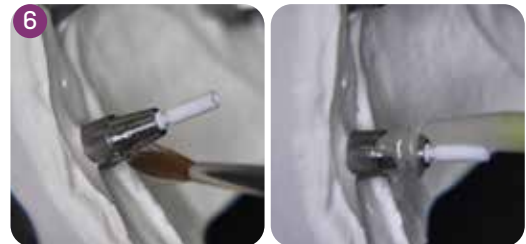
3 Wax-up the framework.



4 Cast framework. If necessary, provide internal wear in the regions corresponding to the castable copings.



5 Placement of both the Neo Mini Conical Abutment Coping Base and the sealing pin on top of the analog.



6 Apply a specific primer and proceed with the cementation according to the cement manufacturer.



7 Press the infrastructure over the coping base and immediately remove any overflowed cement excess as well as the sealing pin.



8 Unscrew the infrastructure from the model. Final framework with ensured passivity.

## Option 2- Digital Workflow for milled Zirconia Bar

### Neo Mini Conical Abutment Coping Base



Titanium

118.382



1  
Working model with artificial gum.



2  
Install the GM Mini Conical Abutment Scanbody on the model and proceed with the scanning.



3  
Design the zirconia bar in the CAD/CAM software.



4  
Mill the zirconia bar.



5  
Placement of both the Neo Mini Conical Abutment Coping Base and the sealing pin on top of the analog.



6  
Apply a specific primer and proceed with the cementation according to the cement manufacturer.



7  
Press the infrastructure over the coping base and immediately remove any overflowed cement excess as well as the sealing pin.



8  
Unscrew the infrastructure from the model. Final framework with ensured passivity.



9  
Final framework.





# 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)

118.308



## Neo Distal Bar

- :: Recommended for distal Implants to reinforce the cantilever.

125.116



## Polishing Protector

- :: Available in surgical steel;
- :: Protection for the lab polishing.

123.008

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## Demonstration Sequence



**1** Neodent®  
Abutments  
placed.



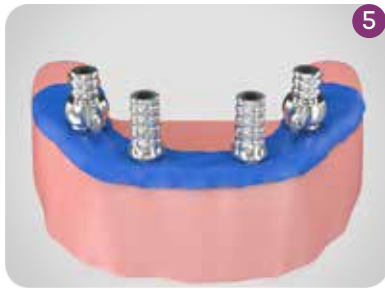
**2** Prosthesis  
wearing, keeping  
posterior region  
integrity.



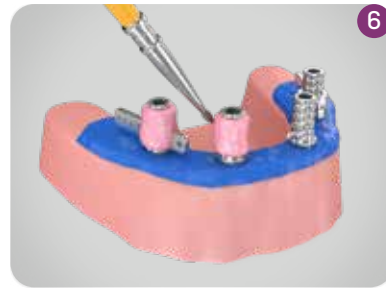
**3** Place the copings  
into the central  
Implants and  
Distal Bar to  
distal Implants.



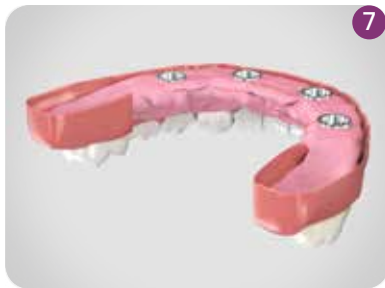
**4** Proof of inferior  
prostheses  
wearing (centered  
occlusion  
position, no  
interference on  
copings).



**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.



**9** Adjustments,  
finishing and  
polishing  
procedures of  
inferior prosthesis  
with polishing  
protectors.



**10** Placed provisional  
implant supported  
prosthesis.



**11** Final inside-  
mouth posterior  
view.

# Digital Solutions

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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.



- 108.207 GM Exact Implant Intraoral Scanbody
- 108.218 GM Mini Conical Abutment Scanbody (intraoral and model)
- 108.219 GM Micro Abutment (intraoral and model)
- 108.220 GM Abutment (intraoral and model)
- 108.222 Zi Implant Scanbody
- 108.221 NGM Implant Scanbody



### Hybrid Repositionable Analog

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



- 101.103 GM Hybrid Repositionable Analog 3.5/3.75
- 101.089 GM Hybrid Repositionable Analog 4.0/4.3
- 101.090 GM Hybrid Repositionable Analog 5.0/6.0
- 101.091 Micro Abutment Hybrid Repositionable Analog
- 101.092 Mini Conical Abutment Hybrid Repositionable Analog
- 101.097 Universal Abutment Hybrid Repositionable Analog 3.3X4
- 101.098 Universal Abutment Hybrid Repositionable Analog 3.3X6
- 101.099 Universal Abutment Hybrid Repositionable Analog 4.5X4
- 101.100 Universal Abutment Hybrid Repositionable Analog 4.5X6
- 101.101 GM Abutment Hybrid Repositionable Analog

# General Instruments

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## Torque Wrench

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

104.050



### Operational 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 **1** (never the wrench body) until the value marked on the LATERAL SCALE **2** 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 lockwise.



•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.



The Neodent® Torque Wrench comes with pre-calibrated torques

## Titanium Tweezers



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

129.001

## Depth Probe



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

129.004

## 7 and 9 mm Space Planning Instrument

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

128.026



## Surgical Labial Retractor

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

124.001



## Columbia Retractor

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

124.003



## Scapel Handle

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

129.008



## Bivers Handle

- :: Available in surgical steel;
- :: Non-traumatic extraction for implant placement;
- :: Similar to a periosteum.

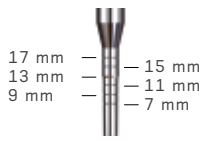
129.002



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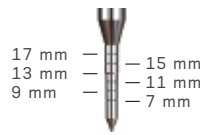
### Concave Osteotome



- :: 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.
- :: Marks from 7 to 17mm.

1.8 mm	2.0 mm	2.5 mm	3.0 mm	3.5 mm	4.0 mm	4.5 mm
110.325	110.323	110.326	110.327	110.328	110.329	110.330

### 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.

1.8 mm	2.5 mm	2.9 mm	3.0 mm	3.5 mm
110.331	110.332	110.324	110.333	110.334

### Osteotomes Kit Case

- :: Available in polymer;
- :: Autoclavable;
- :: Osteotomes sold separately.



110.336

### Surgical Hammer



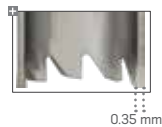
- :: Available in surgical steel;
- :: Polymer active bit;
- :: Used in compactors and expanders;
- :: Weight: 130g.

126.001

### Trephine Bur



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



Ø 3.3	Ø 3.5	Ø 3.75	Ø 4.1
103.051	103.490	103.491	103.026
Ø 4.3	Ø 5.0	Ø 8.0	
103.087	103.027	103.028	

### 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.

110.270

### Handle Implant Driver



- :: Available in stainless steel;
- :: Manual implant placement.

104.047

### Analog Handle



- :: Used for tightening analogs and milling prosthetic abutments.

104.036

### 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

Guide	Pin
103.092	103.093

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