

PRODUCT CATALOGUE 2025



Smile through life.



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**.



When we founded Neodent, we had a clear dream: to make implant dentistry accessible and truly transform lives. I have always believed that, alongside dentists, we could make a difference in people's lives, restoring not only oral health but also self-esteem and the joy of living.

This purpose drives me and drives Neodent.

We put the patient at the center of everything we do and, with great passion, develop innovative solutions that empower every dental professional with the tools they need to deliver the best treatment. To achieve this, we combine agility and quality, always committed to addressing all clinical cases and ensuring outstanding results!

Neodent was born from a dentist for dentists. Everything we do is so they can transform their patients' lives, restoring confidence and the pleasure of smiling. This is our daily purpose. And there is nothing more gratifying than knowing that, with every new smile, we are fulfilling our mission.

Dr. Geninho Thomé • Founder of Neodent®



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

Acessability to proven and affordable solutions.

**Największe wydarzenie
Neodent
w Europie w 2025 roku!**

**13.09.2025
WARSZAWA**

Światowej sławy wykładowcy
– międzynarodowa publiczność

**NOWE TRENDY
NOWE KONCEPCJE
NOWE PRODUKTY**

ZAREZERWUJ TERMIN!

SUMMARY

**Zi Ceramic
Implant System**



6

Grand Morse



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EasyGuide



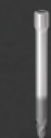
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Ceramic Implant System

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 modern 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.



Ø 3.75 mm
10.0 mm
11.5 mm
13 mm

Indicated for incisor and canines.



Ø 4.3 mm
10.0 mm
11.5 mm
13 mm

Indicated for all mouth regions.

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

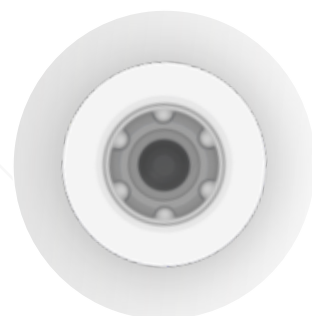


A new **stability mindset**

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

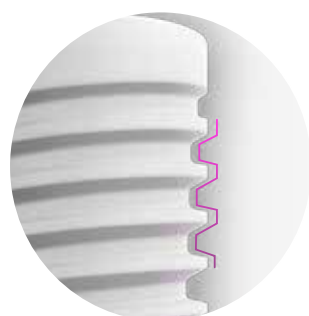
ZILOCK® CONNECTION

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.



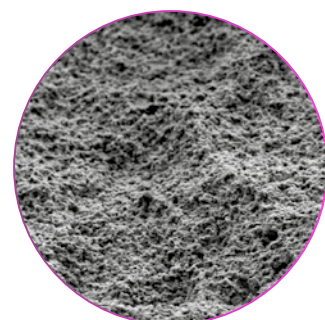
Double trapezoidal thread design.



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.



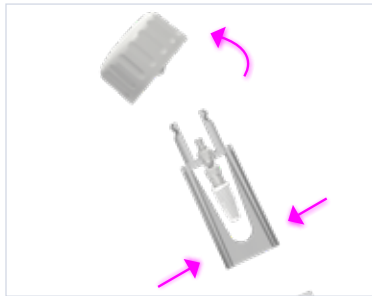
Package instruction of use



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



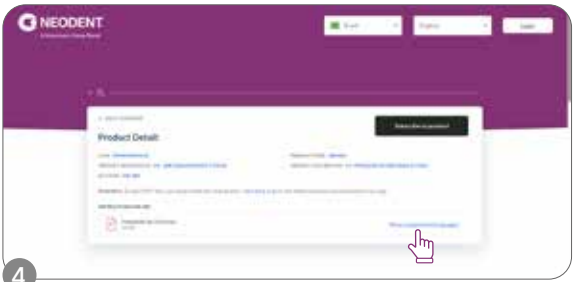
1 To access the IFU website, enter the address above in your browser.



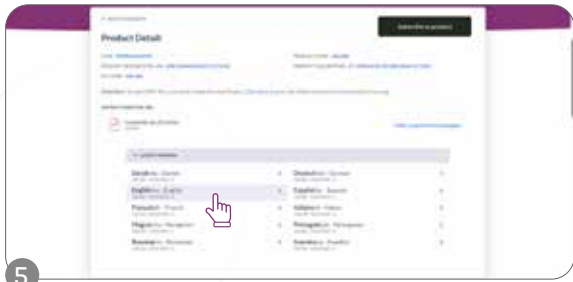
2 Select the country.



3 Enter the article number in the search field.



4 The search results will be displayed; click on "show supported languages."



5 Select the language.



6 Confirm and access the IFU.

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.
- 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

									
	Initial	Ø 2.0	Ø 3.5 short	Ø 3.75 short	Countersink Ø 3.75	Bone Tap Ø 3.75	Ø 4.3 short	Countersink Ø 4.3	Bone Tap Ø 4.3
	103.170	103.425	103.562	103.565	103.609	111.049	103.571	103.450	111.048
			103.561 medium	103.564 medium			103.570 medium		
			103.563 long	103.566 long			103.572 long		
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

Drill Sequence for guided surgery*

										
Mucosa Punch Ø 3.75	Mucosa Punch Ø 4.3	Leveling drill Ø 3.75	Leveling Drill Ø 4.3	Initial drill guided	Ø 2.0 L10	Ø 3.75 L10	Ø 3.75/4.3 L10	Ø 4.3 L10	Bone Tap Ø 3.75	Bone Tap Ø 4.3
103.695	103.696	103.680	103.681	103.682	103.683	103.686	103.689	103.692	111.053	111.052
					L11.5	L11.5	L11.5	L11.5		
					103.684	103.687	103.690	103.693		
					L13	L13	L13	L13		
					103.685	103.688	103.691	103.694		

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

Bone types I and II

Bone type III

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.

*Available September 2025

Zi Implants

	10.0 mm	11.5 mm	13.0 mm		10.0 mm	11.5 mm	13.0 mm
Ø 3.75				Ø 4.3			
	180.002	180.003	180.004		180.006	180.007	180.008

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
Ø 3.75	106.233	106.234
Ø 4.5	106.235	106.236

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

Peek CR Abutment

Single-unit
cement-retained
temporary
prosthesis

Ø 4.0/4.5 mm

Neo screwdriver connection;

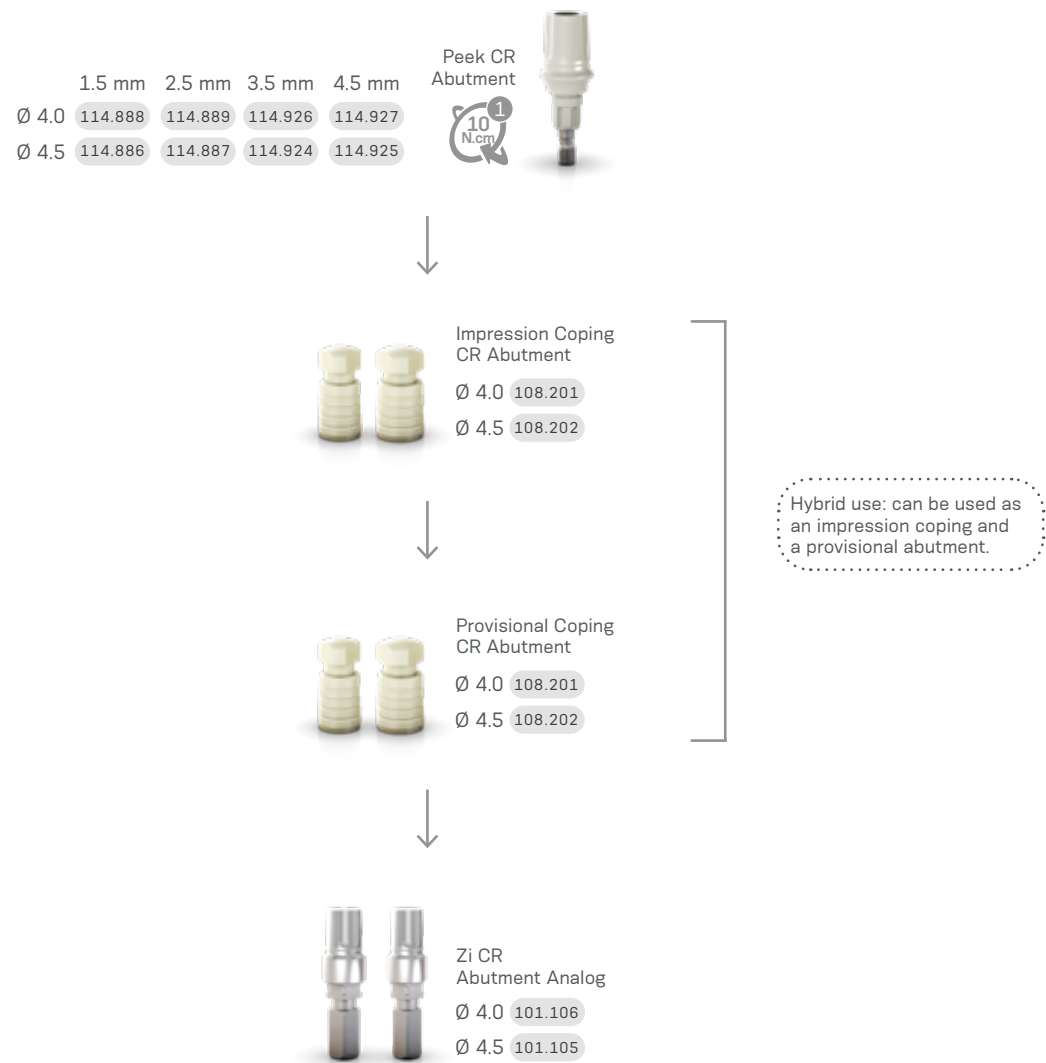
Cementable area height: 5.0 mm;

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

ZiLock® connection;

Removable screw.

Installation Sequence



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.

Installation Sequence



Drivers

1

Neo Screwdriver Torque Connection

+

Torque Wrench

Drivers

1

Neo Screwdriver Torque Connection

+

Torque Wrench

2

Neo Screwdriver Torque Connection

+

Manual Screwdriver Torque

Accessories

Abutment replacement screw

116.289

Zi Base for C

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

Ø 4.65 mm

Design for CEREC® workflow;

Neo screwdriver connection;

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

ZiLock® connection;

Removable screw.

Installation Sequence



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. In this step the Scanbase for C can be used as alternate for scanning.

→

Insert Scanbody on the Zi Base or Scanbase for C.

Step 3
Design and milling.

Select in the CAD software the comparable third-party Zi Base and perform the digital design. When using the Scanbase for C always refer to the same GH as the Zi Base for C.

→

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	Grinding block	Implant manufacturer	Implant system
TI-base						
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						

Zi CR Abutment

Single-unit cement-retained prosthesis

Ø 4.0/4.5 mm

Neo screwdriver connection;

Chimney height: 5.0 mm;

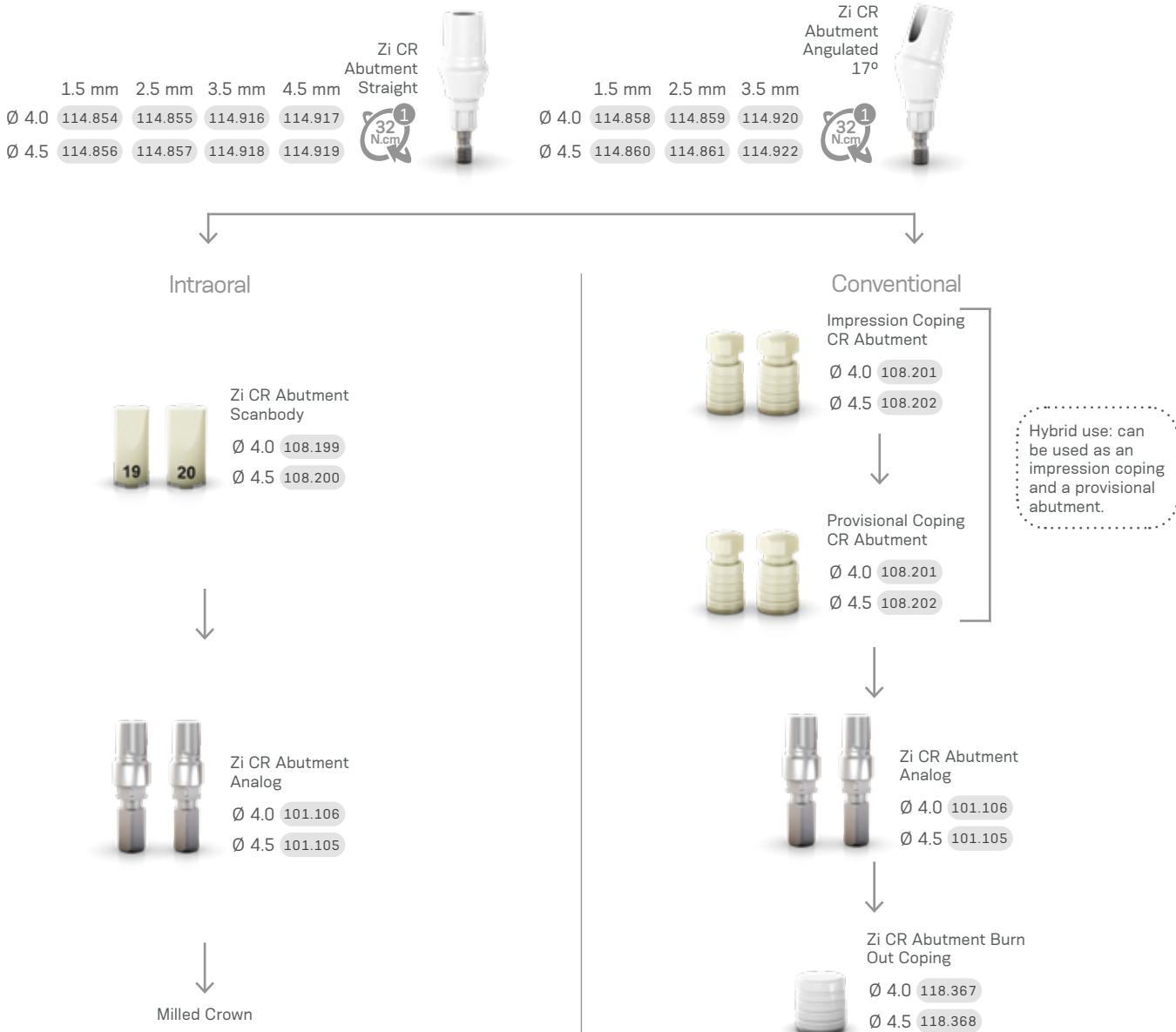
Gingival height: 1.5, 2.5, 3.5 & 4.5 mm;

Gingival height: 1.5, 2.5 & 3.5 mm;

ZiLock® Connection;

Removable screw.

Installation Sequence



Drivers

Accessories

Neo Screwdriver Torque Connection

+

Torque Wrench

Abutment replacement screw

116.289

Drivers

Accessories

Neo Screwdriver Torque Connection

+

Torque Wrench

Abutment replacement screw

116.289

Zi Guided Surgery:

Precision and predictability with outstanding esthetic results

When it comes to ceramic implant systems, the guided technique contributes to achieve esthetic results with predictability and confidence in treatment decisions.

Considering the precise positioning and the combination of ceramic material with soft tissue preservation, the guided protocol is accurate and precise compared to conventional procedures and also reduces the surgical procedure time.



PREDICTABILITY
Advanced planning and guided protocol to achieve desired clinical outcome.



PRECISION
Advanced planning and guided protocol to achieve desired clinical outcome.



EFFICIENCY
Reduced need for decision-making during the surgical protocol.

The Neodent® Zi Implant System offers guided surgery options for both sleeve and sleeveless techniques.



Efficient and adaptable with no need for multiple kits

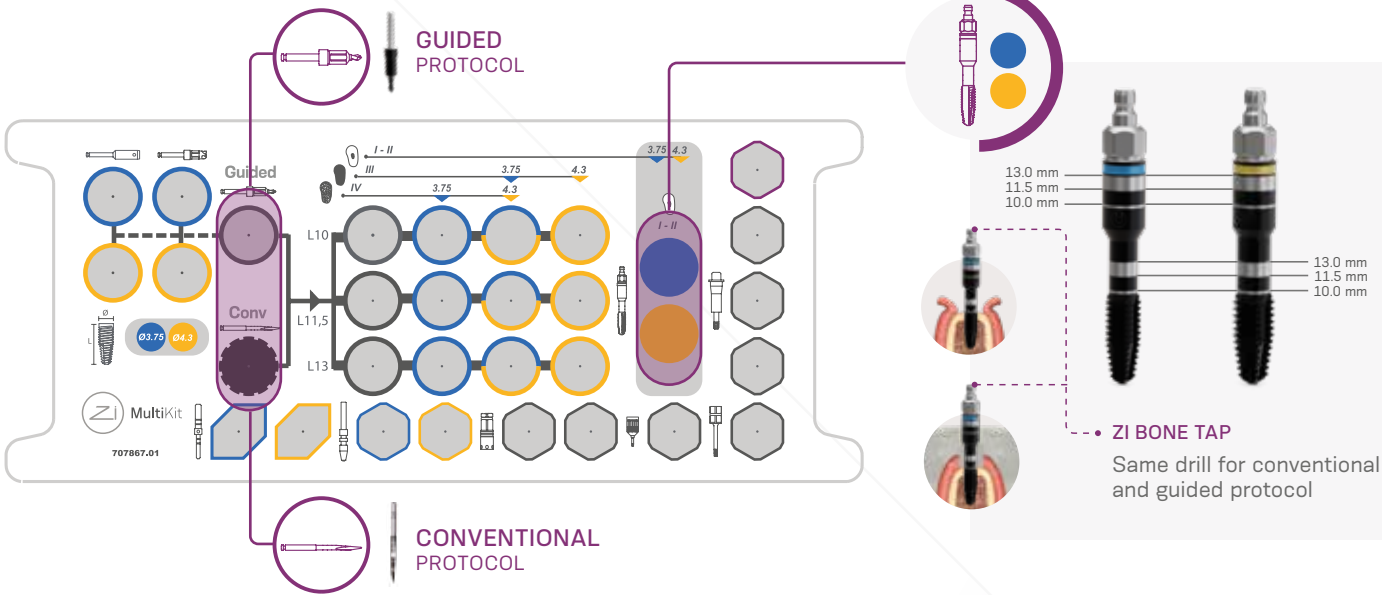
The new Neodent® Zi MultiKit™ is an all-in-one kit designed for both conventional and guided protocols, allowing an organized, efficient, and adaptable surgical environment.



DIAMETER ● Ø3.75 ● Ø4.3
User-friendly color-coded system according to implant diameter.

DRILL STOP
Built-in drill stop for physical depth control for guided protocol.

LENGTH MARK
Active portion matching implant length and laser-marked information for conventional protocol.



Zi Implant System Kit

Zi MultiKit*

Autoclavable polymer case.
To order pre mounted version of the kit, with its full composition use code [110.342](#).



Articles

- | | | | |
|-------------------------|-------------------------------------|-------------------------|---|
| 110.337 | Zi MultiKit Case | 103.395 | Guided Surgery Drill 1.3 |
| 103.682 | Zi Initial Drill for Guided Surgery | 103.695 | Zi Mucosa Punch 3.75 |
| 103.170 | Initial Drill | 103.696 | Zi Mucosa Punch 4.3 |
| 103.680 | Zi Bone Levelling Drill 3.75 | 105.174 | Zi Driver for Torque Wrench |
| 103.681 | Zi Bone Levelling Drill 4.3 | 105.175 | Zi Driver for Contra-angle |
| 103.683 | Zi Tapered Drill 2.0x10 | 105.132 | Neo Screwdriver Torque Connection |
| 103.684 | Zi Tapered Drill 2.0x11.5 | 104.060 | Neo Manual Screwdriver |
| 103.685 | Zi Tapered Drill 2.0x13 | 125.210 | Zi Palatal Setter |
| 103.686 | Zi Tapered Drill 3.75x10 | 103.665 | Drill Palatal Setter |
| 103.687 | Zi Tapered Drill 3.75x11.5 | 125.142 | Guide Clamp |
| 103.688 | Zi Tapered Drill 3.75x13 | 129.034 | Depth Probe |
| 103.689 | Zi Tapered Drill 3.75/4.3x10 | 125.209 | Zi Guide Estabilizer for Guided Surgery |
| 103.690 | Zi Tapered Drill 3.75/4.3x11.5 | 128.020 | Direction Indicator 3.75 |
| 103.691 | Zi Tapered Drill 3.75/4.3x13 | 128.022 | Direction Indicator 4.3 |
| 103.692 | Zi Tapered Drill 4.3x10 | 129.020 | Tapered X-ray Positioner 3.75 |
| 103.693 | Zi Tapered Drill 4.3x11.5 | 129.013 | Tapered X-ray Positioner 4.3 |
| 103.694 | Zi Tapered Drill 4.3x13 | 104.050 | Torque Wrench |
| 111.053 | Zi Bone Tap 3.75 | 125.211 | Zi Transfer Piece Remover |
| 111.052 | Zi Bone Tap 4.3 | | |

Note: Items that compose Zi Neodent® Kit are sold separately. *Available September 2025

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

Zi Implant System Instruments



Initial Drill

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

103.170



Neo Manual Screwdriver

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

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



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



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
----------	---------	---------	---------



Countersink Drills

:: Available in surgical steel;

103.488	Ø3.75
103.450	Ø4.3



Tapered X-Ray Positioner

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

Ø3.75	Ø4.3
129.020	129.013



Bone Tap

:: Available in surgical steel;

111.046	Ø3.75
111.048	Ø4.3



Drill Extension

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

103.426



Neo Screwdriver Torque Connection - Torque Wrench

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

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



Torque Wrench

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

104.050

Grand Morse®

GREATNESS IS AN ACHIEVEMENT

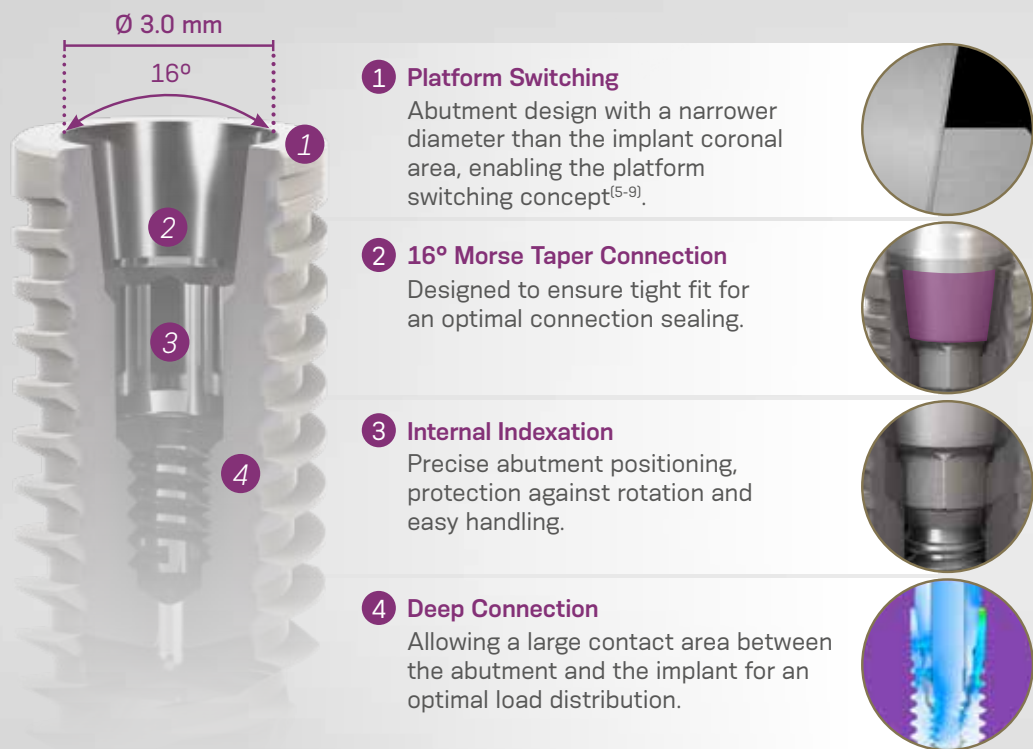


GRAND RELIABILITY

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.

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1 Platform Switching

Abutment design with a narrower diameter than the implant coronal area, enabling the platform switching concept⁽⁵⁻⁹⁾.

2 16° Morse Taper Connection

Designed to ensure tight fit for an optimal connection sealing.

3 Internal Indexation

Precise abutment positioning, protection against rotation and easy handling.

4 Deep Connection

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



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. ”

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GRAND STABILITY

STABLE AND STRONG FOUNDATION DESIGNED FOR LONG TERM SUCCESS

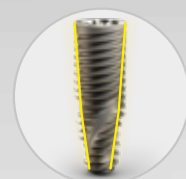
The increasing expectations for shortened treatment duration represent a significant challenge for dental professionals. The Neodent® Grand Morse® system offers a unique implant design featuring the innovative Acqua hydrophilic surface designed to maximize primary stability and predictability in immediate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



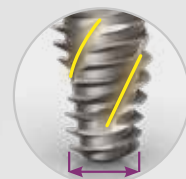
Hybrid contour

- 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

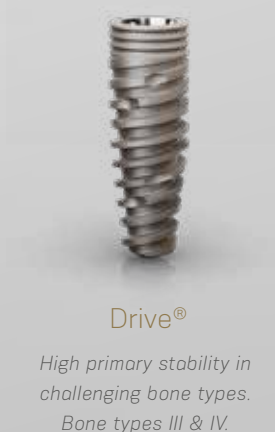
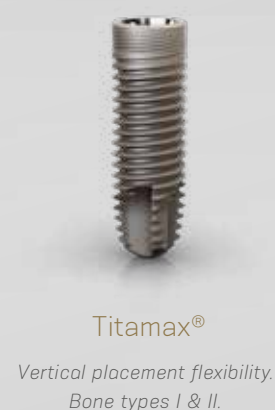
- Coronal: Trapezoidal > compressing
- Apex: V-Shape > Self-tapping
- » Achieving high primary stability in all bone types



Acqua hydrophilic surface

Designed for high treatment predictability

acqua



GRAND ESTHETICS

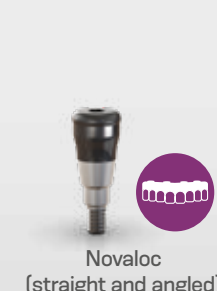
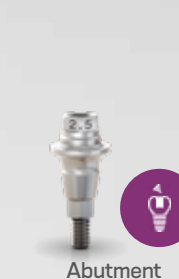
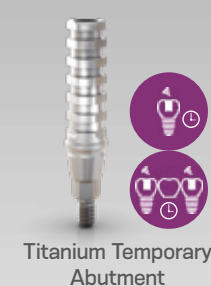
DELIVER IMMEDIATE NATURAL ESTHETICS



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.



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



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.



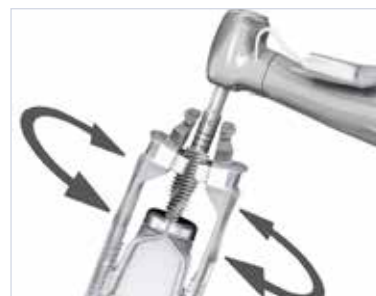
2. To remove the implant from the vial lift the cap up, which has the stand and implant attached to it.



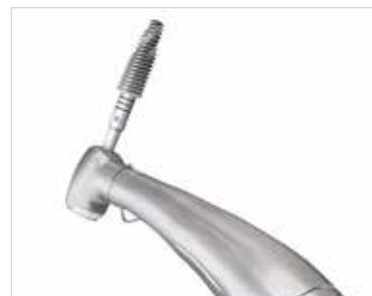
3. To secure the implant, grip both sides of the implant carrier.



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.



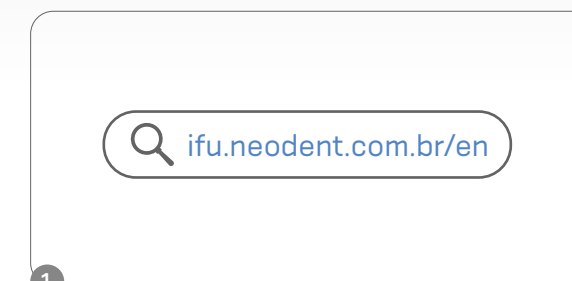
6. The implant can now be transported to the surgical site.

e-IFU – Electronic Instructions For Use

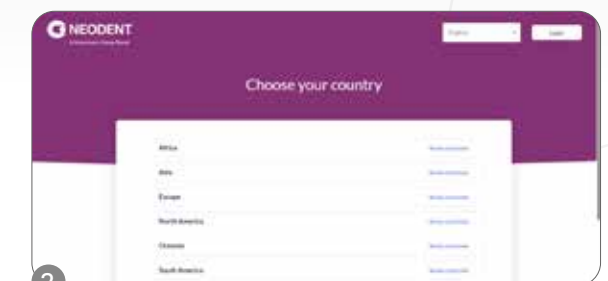
Neodent® innovates once more, providing an on-line platform designed to provide quick and practical use of its own products instructions: the e-IFU (Instructions For Use) website.

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



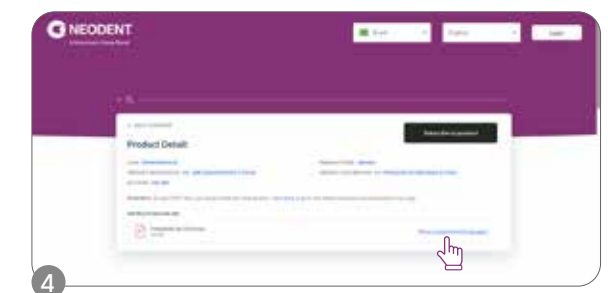
To access the IFU website, enter the address above in your browser.



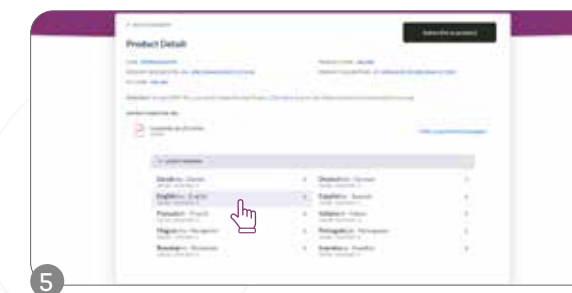
Select the country.



Enter the article number in the search field.



The search results will be displayed; click on "show supported languages."



Select the language.



Confirm and access the IFU.

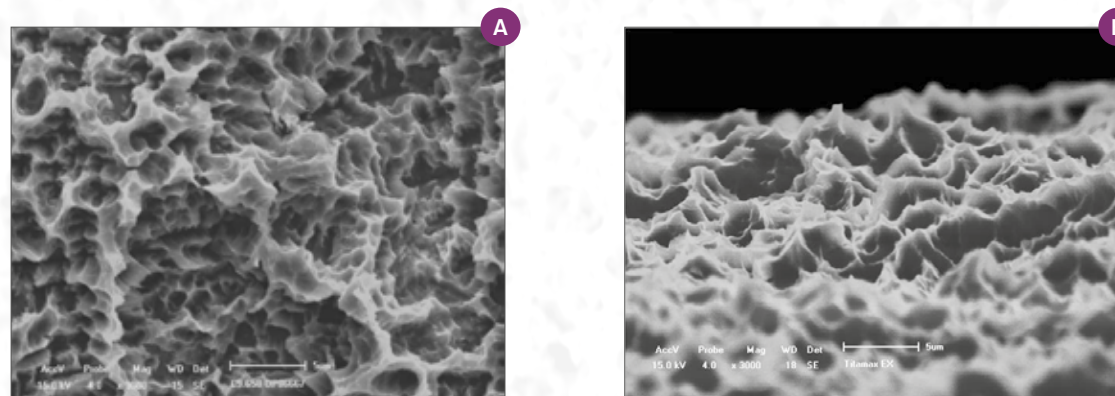
NeoPoros

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).

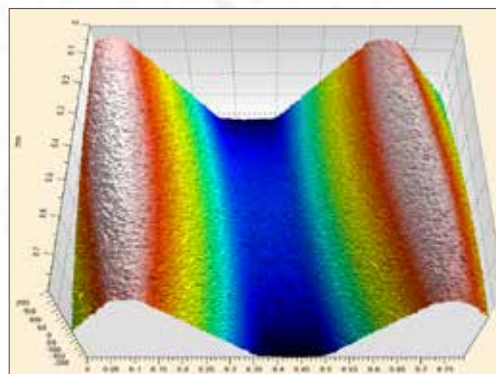


Image taken by confocal microscopy.
Roughness and Microtopography.
(Sa = 0,3 – 1,3 µm; Sz = 6,0 – 15,5 µm).



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.⁽¹⁻⁴⁾

Hydrophilicity

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

Surface comparison

Lab generated images.



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®

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® 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	GM Cover Screw	
8.0	140.953	109.953	8.0	140.1009	109.1009	8.0	140.1059	109.1059		0 mm
10.0	140.954	109.954	10.0	140.1010	109.1010	10.0	140.1060	109.1060		2 mm
11.5	140.955	109.955	11.5	140.1011	109.1011	11.5	140.1061	109.1061		117.021
13.0	140.956	109.956	13.0	140.1012	109.1012	13.0	140.1062	109.1062		117.022
16.0	140.957	109.957							:: Use the manual Neo Screwdriver (104.060);	
18.0	140.990	109.990							:: Do not exceed the insertion torque of 10 N.cm.	

GM Healing Abutment						GM Customizable Healing Abutment					
	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	4.5 mm
	Ø 3.3	106.207	106.208	106.209	106.210	106.211		Ø 5.5	106.223	106.224	106.225
	Ø 4.5	106.213	106.214	106.215	106.216	106.217		Ø 7.0	106.228	106.229	106.230
	Ø 5.5		106.250	106.251	106.252	106.253				106.231	106.232
	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.

Drive GM[®]

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[®] 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	

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;

Exact;
Neo Removable Screw.



Installation Sequence




32 N.cm

GM Mini Conical Abutment

0.8 mm	1.5 mm	2.5 mm
115.243	115.244	115.245
3.5 mm	4.5 mm	5.5 mm
115.246	115.247	115.248

or



20 N.cm

GM Exact Mini Conical Abutment 17°/30°

1.5 mm	2.5 mm	3.5 mm
17° 115.275	115.276	115.277
30° 115.278	115.279	115.280



Drivers

1 Hexagonal Prosthetic Driver + Torque Wrench

2 Neo Screwdriver Torque Connection + Torque Wrench

3 Neo Screwdriver Torque Connection + Manual Screwdriver Torque

Accessories

Replacement Abutment Screw

- 116.291 Neo GM Screw - for abutments with 1.5-2.5 GH
- 116.292 Neo GM Screw (Long) - for abutments with 3.5 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.

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		



Drivers

1 Neo Screwdriver Torque Connection + Torque Wrench

2 Neo Screwdriver Torque Connection + Manual Screwdriver Torque

Accessories

Replacement Abutment Screw


- 116.290 Neo GM Screw (Short) - for abutment with 0.8 GH
- 116.291 Neo GM Screw - for abutments with 1.5-2.5 GH
- 116.292 Neo GM Screw (Long) - for abutments with 3.5-5.5 GH


Replacement Coping Screw


- 116.266 Titanium
- 116.267 Neotorque*

*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.

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



GM Titanium Base

Single-unit screw-retained prosthesis

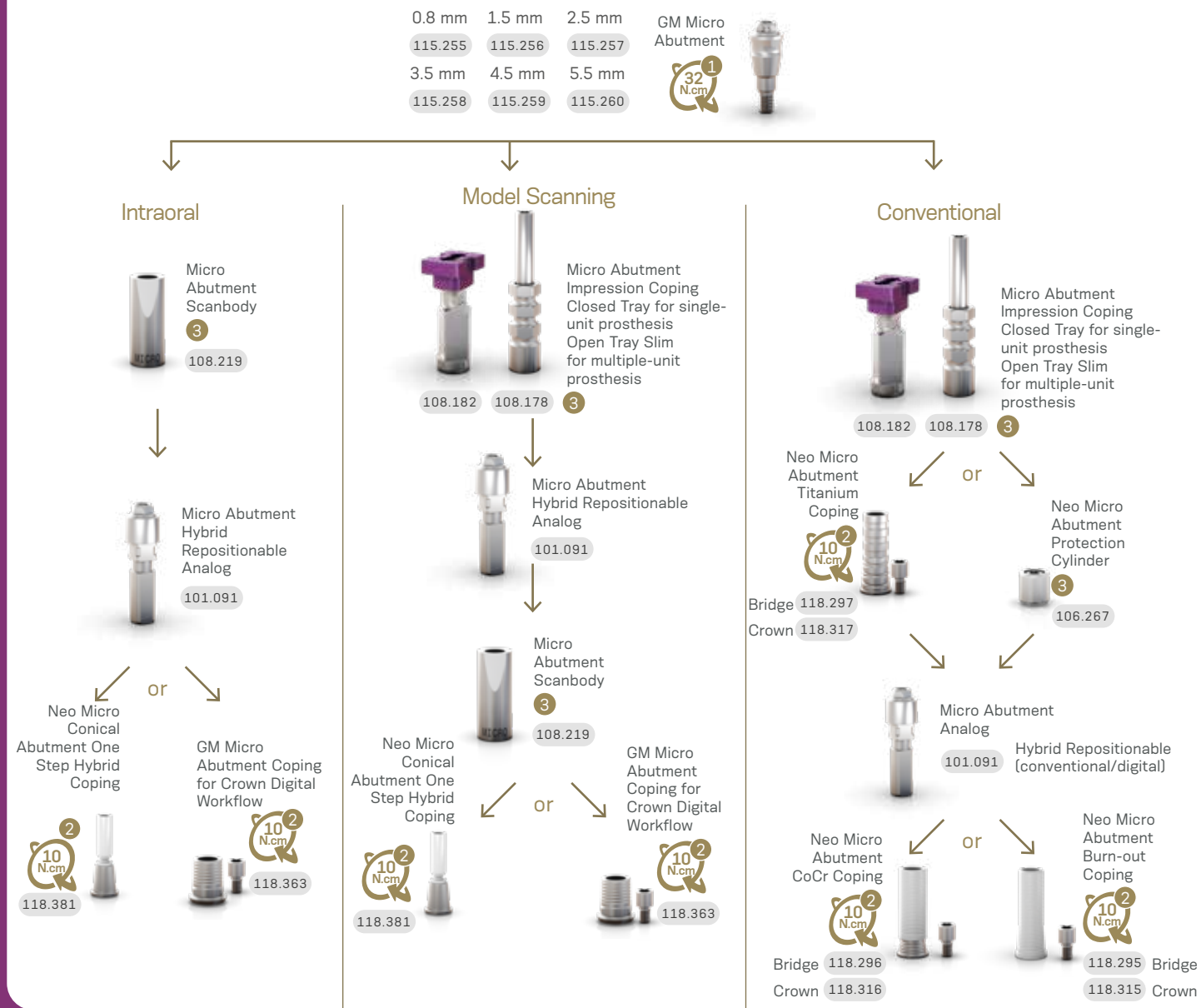
Single-unit cement-retained prosthesis

Ø 3.5/4.5/5.5/6.5 mm

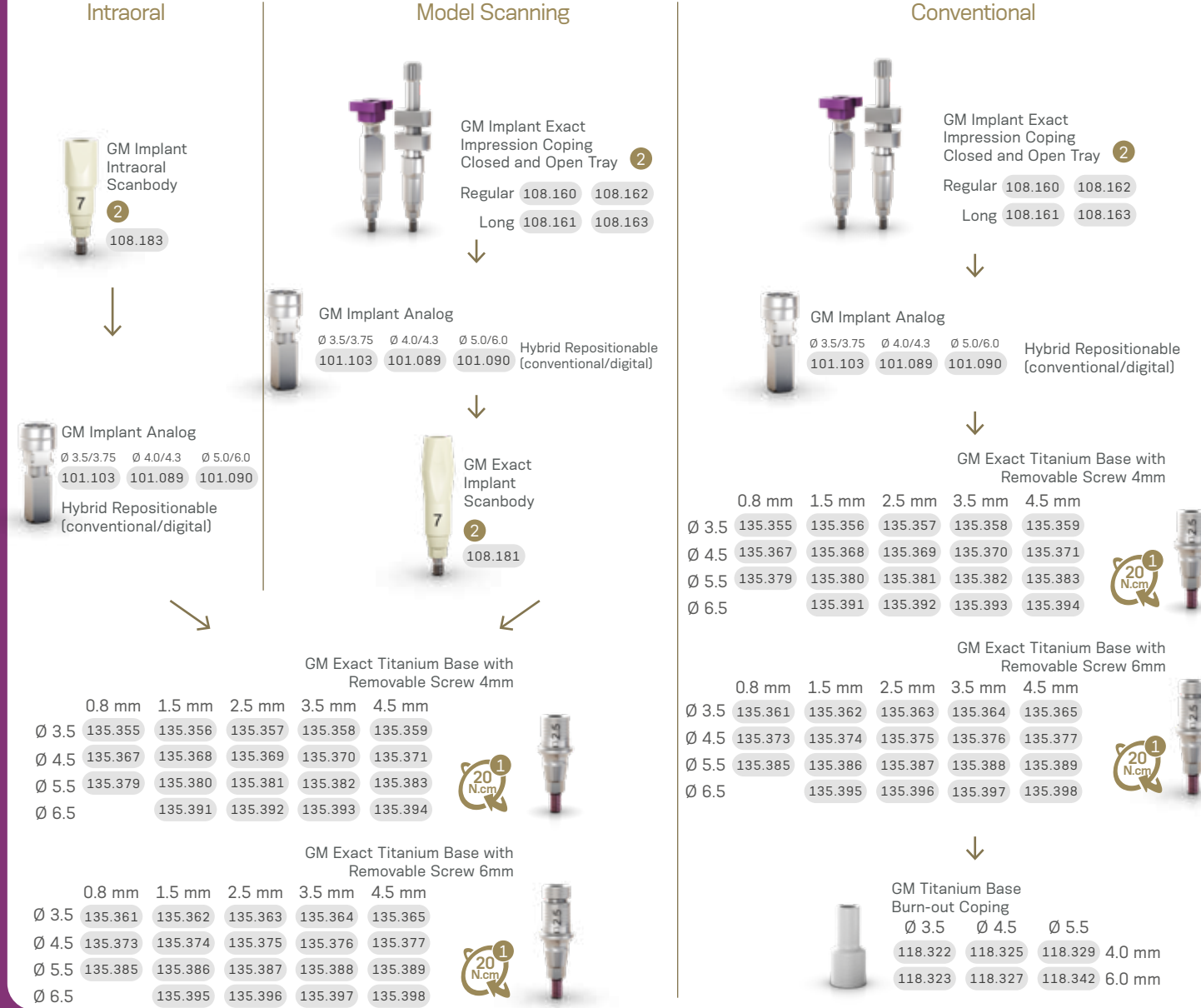
Customizable up to 4 mm high;
Cementable area: 6.0 or 4.0 mm;
With internal threads for a secure engagement of the screw
Exact;
Neo Removable screw;



Installation Sequence



Installation Sequence



Drivers

1 Hexagonal Prosthetic Driver

+

Torque Wrench

2 Neo Screwdriver Torque Connection

+

Torque Wrench

3 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.

Drivers

1 Neo Screwdriver Torque Connection

+

Torque Wrench

2 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.

Cementable area:
6.0 or 4.0 mm;

Exact.

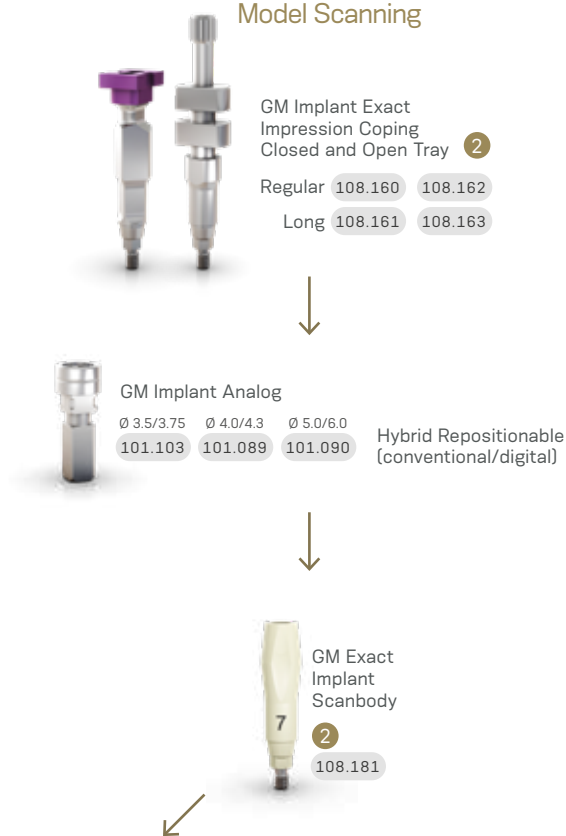


Installation Sequence

Intraoral



Model Scanning



GM Titanium Base for Bridge

Multiple-unit screw-retained prosthesis

Ø 3.5/4.5/5.5 mm

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;

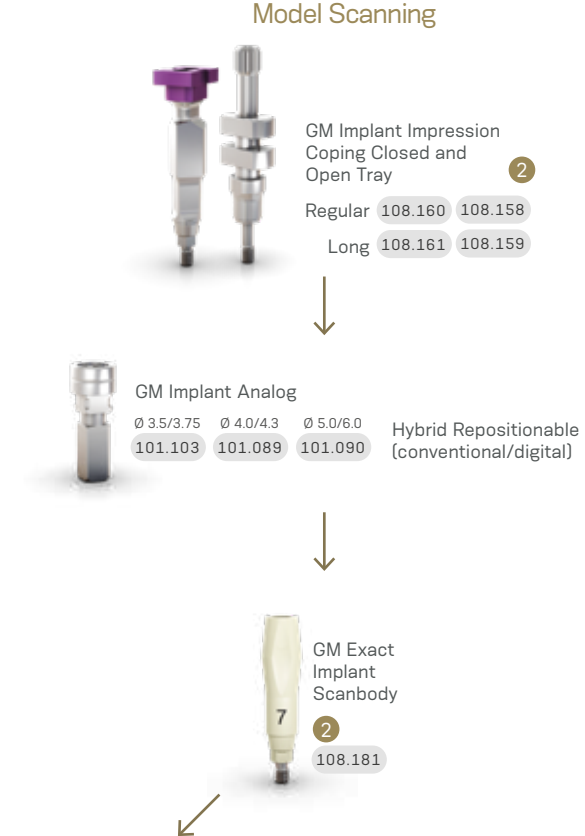
Neo Removable Screw.



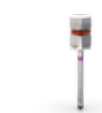
Intraoral




Model Scanning





Drivers

Angled Solution Screwdriver for Torque Wrench
105.150 Short
105.151 Regular
105.152 Long

or

Angled Solution Screwdriver for Contra-angle
105.147 Short
105.148 Regular
105.149 Long

Torque Wrench



Contra-angle



Accessories

Neo Screwdriver Torque Connection
+
Manual Screwdriver Torque

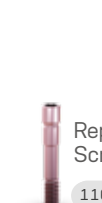
Replacement Sterile Screw
116.288 Screw for GM Titanium Base AS

Drivers

Neo Screwdriver Torque Connection
+
Torque Wrench

Neo Screwdriver Torque Connection
+
Manual Screwdriver Torque

Accessories

Replacement Abutment Screw
116.292 Neo GM Screw (Long)

Titanium Base C for GM

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

Ø 4.65 mm

Cementable area: 4.7 mm;

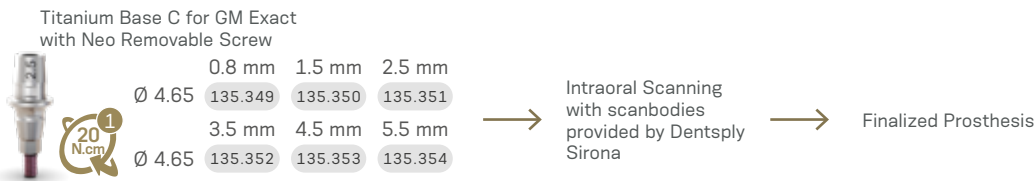
With internal threads for a secure engagement of the screw;

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 for C in the Neodent implant. In this step the Scanbase for C can be used as alternate for scanning.




Insert Scanbody on the Titanium Base or Scanbase for C.

Step 3
Design and milling.



Select in the CAD software the comparable third-party Ti-base and perform the digital design. When using the Scanbase for C always refer to the same GH as the Titanium Base for C.



Mill the digital design.

CEREC digital library compatibility						
Library	Sirona's Products				Compatible with implant System	
Ti-base	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, IIPluss
S BL 4.1 L						
BO 3.4 L						

- 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.

Drivers

1

Neo Screwdriver Torque Connection

+

Torque Wrench

Accessories

Replacement Abutment Screw

116.292 Neo GM Screw (Long)

GM Universal Abutment

Single-unit cement-retained prosthesis

Ø 3.3/4.5 mm


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

**1**
20 N.cm

GM Exact Click Universal Abutment with Removable Screw

Ø 3.3	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
	114.826	114.827	114.828	114.829	114.830	114.831
4 mm	Ø 3.3	114.802	114.803	114.804		
4 mm	Ø 4.5	114.838	114.839	114.840	114.841	114.842
4 mm	Ø 4.5	114.838	114.839	114.840	114.841	114.843
6 mm	Ø 3.3	114.832	114.833	114.834	114.835	114.836
6 mm	Ø 4.5	114.844	114.845	114.846	114.847	114.848
6 mm	Ø 4.5	114.844	114.845	114.846	114.847	114.849


or

**1**
20 N.cm

GM Exact Click Universal Abutment 17° with Removable Screw

Ø 3.3	1.5 mm	2.5 mm	3.5 mm
	114.802	114.803	114.804
4 mm	Ø 3.3	114.802	114.803
4 mm	Ø 4.5	114.808	114.809
4 mm	Ø 4.5	114.808	114.810
6 mm	Ø 3.3	114.805	114.806
6 mm	Ø 4.5	114.811	114.812
6 mm	Ø 4.5	114.811	114.813


or

**1**
20 N.cm

GM Exact Click Universal Abutment 30° with Removable Screw

Ø 3.3	1.5 mm	2.5 mm	3.5 mm
	114.814	114.815	114.816
4 mm	Ø 3.3	114.814	114.815
4 mm	Ø 4.5	114.820	114.821
4 mm	Ø 4.5	114.820	114.822
6 mm	Ø 3.3	114.817	114.818
6 mm	Ø 4.5	114.823	114.824
6 mm	Ø 4.5	114.823	114.825


Intraoral

**4** **6**

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

↓

**4** **6**


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

**4** **6**

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


↓

**4** **6**

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


↓

**4** **6**

Universal Abutment 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

↓

**4** **6**

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

1

Neo Screwdriver Torque Connection

+

Torque Wrench

Accessories

Replacement Abutment Screw

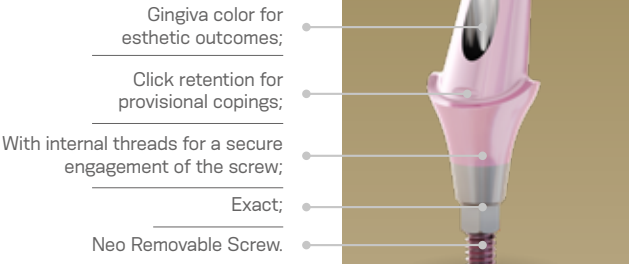
116.291 Neo GM Screw - for abutments with 0.8-2.5 GH

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

GM Anatomic Abutment

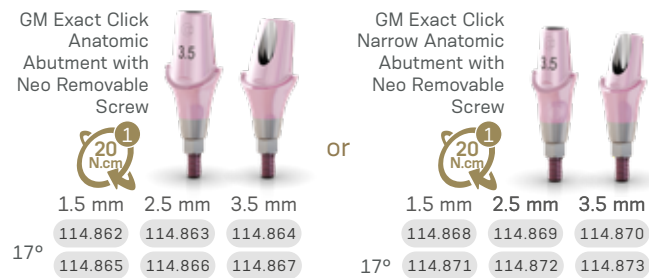
Single-unit
cement-retained
prosthesis

Recommended for anterior region.

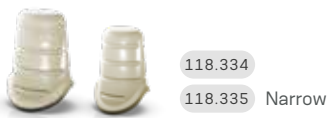


Installation Sequence

In Mouth



GM Exact Click Anatomic Abutment Provisional Coping



Impression of the GM Exact Click Anatomic Abutment

Lab stage

Finalized prosthesis

In Lab



GM Titanium Block for MEDENTiKA Holder

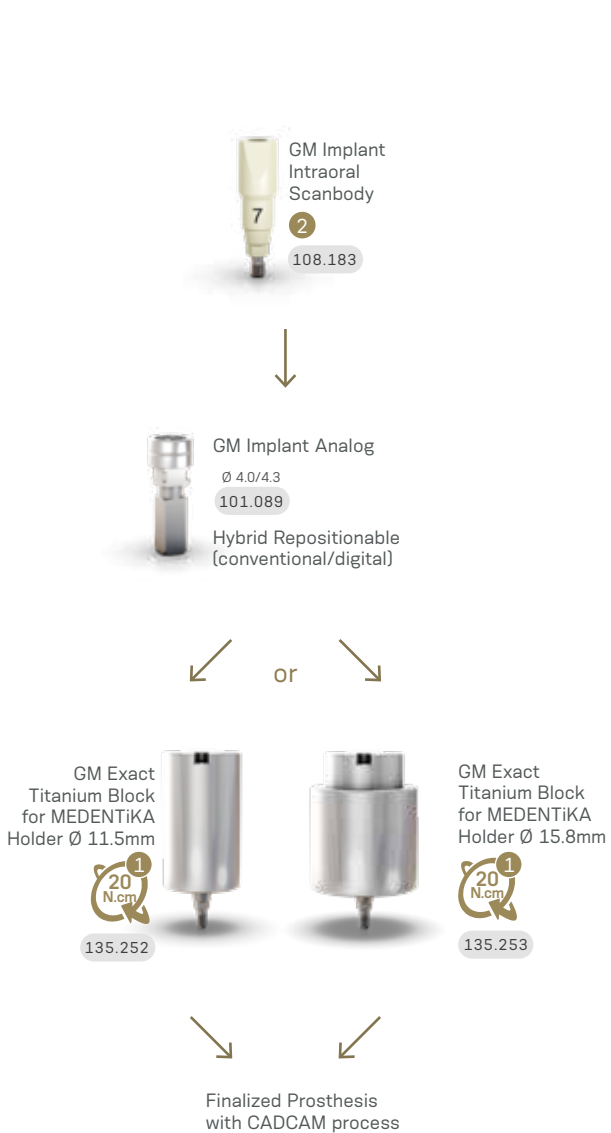
Single-unit
cement-retained
prosthesis

Screw sold separately.

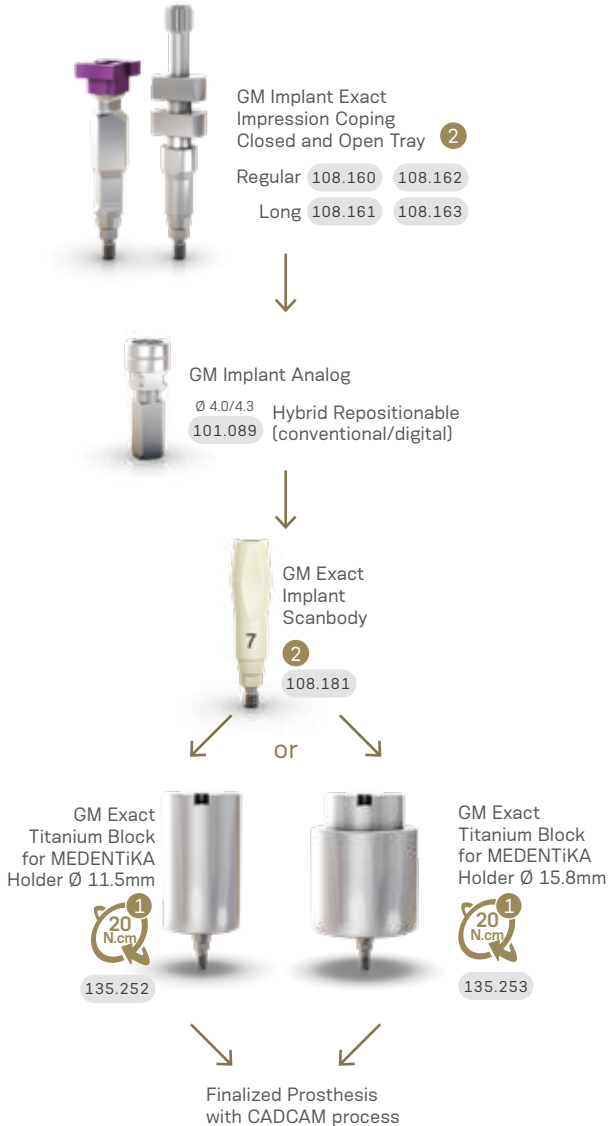


Installation Sequence

Complete Digital Workflow



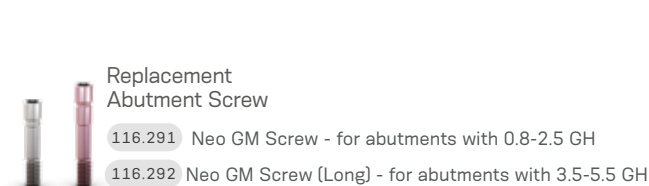
Semi Digital Workflow



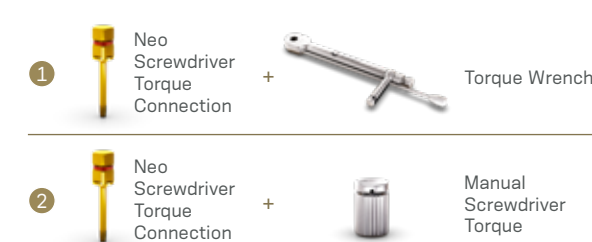
Drivers



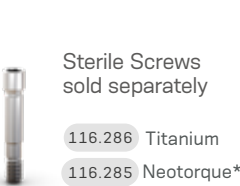
Accessories



Drivers



Accessories



*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.



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

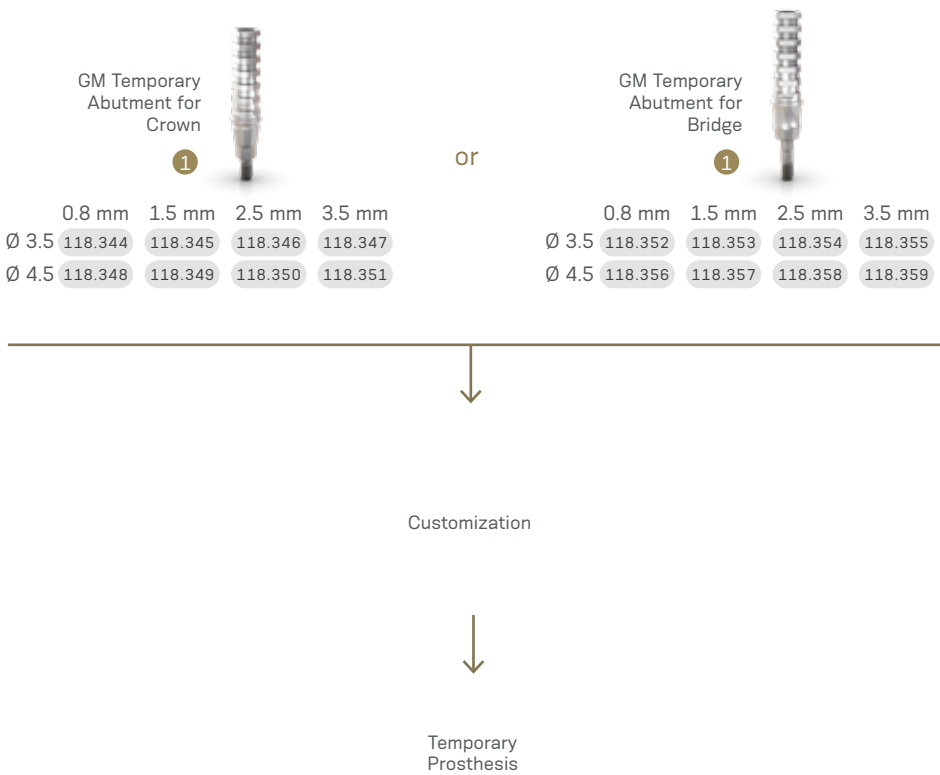
Ø 3.5/4.5 mm

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.

Consider in addition 1.5 - 2.0 mm for the restorative material;
Channels of customizations;
Interocclusal height of 10 mm (can be customized up to 4.0 mm);
Exact.



Installation Sequence



Drivers

1 Neo Screwdriver Torque Connection

+

Torque Wrench


Accessories

Replacement Sterile Screws


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 Pro Peek Abutment



Single-unit screw-retained temporary prosthesis



Single-unit cement-retained temporary prosthesis



Ø 4.5/
6.0 mm

Biocompatible Peek of easy customization.

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);

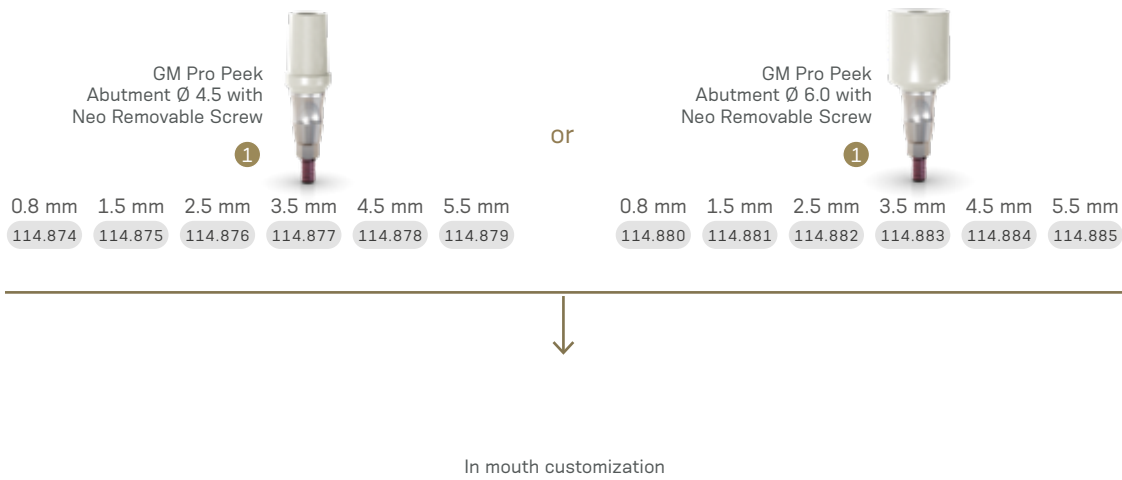
With internal threads for a secure engagement of the screw;

Exact;

Neo Removable Screw.



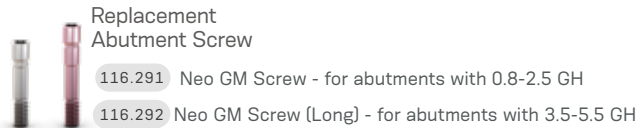
Installation Sequence



Drivers



Accessories



GM CoCr Abutment



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



Ø 4.1/4.5/
5.0 mm

For implants placed at bone level.

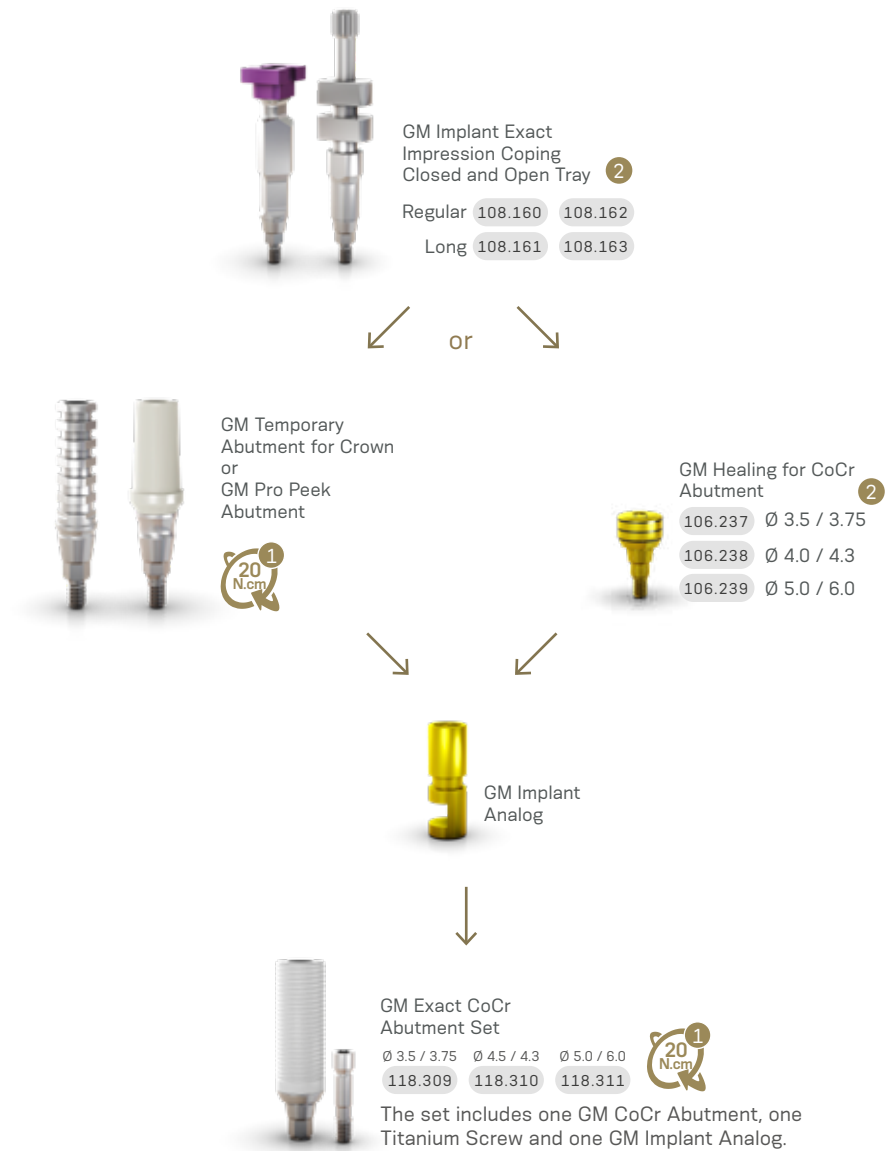
Consider in addition 1.5 - 2.0 mm for the restorative material;

Interocclusal height of 12 mm (can be customized up to 5.0 mm);

Exact.



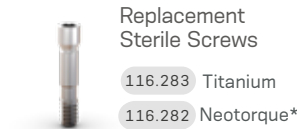
Installation Sequence



Drivers

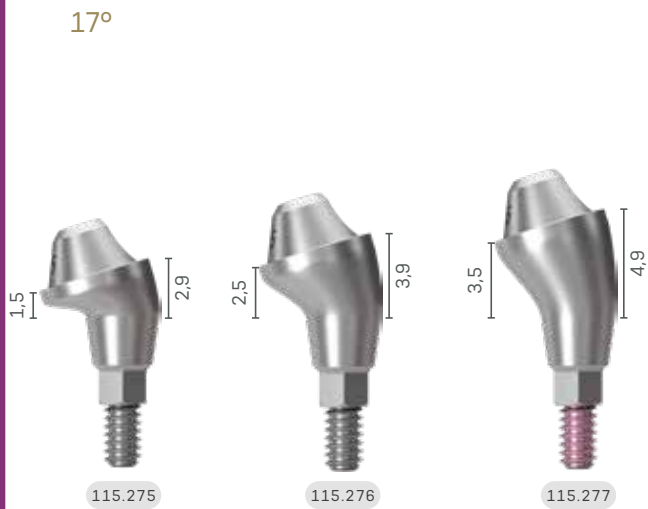


Accessories



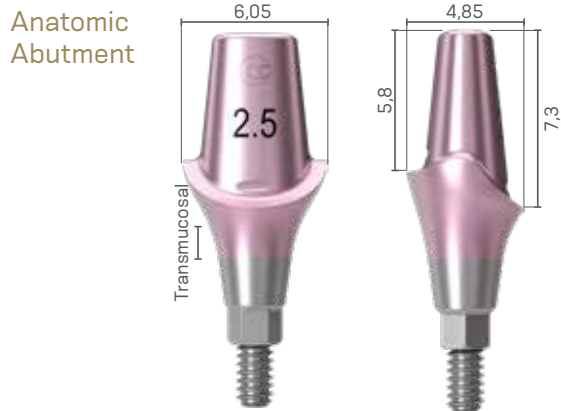
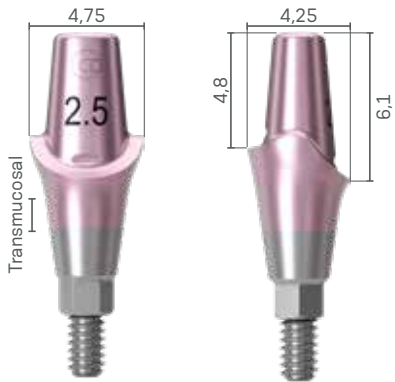
*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.

Measurements GM Mini Conical Abutment

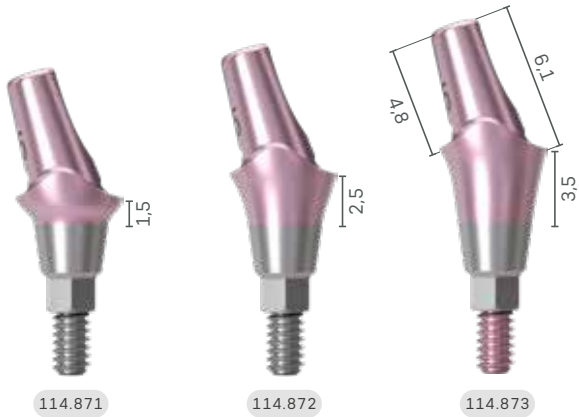


Measurements GM Anatomic Abutment

Narrow Anatomic
Abutment



Narrow Anatomic Abutment 17°



Anatomic Abutment 17°

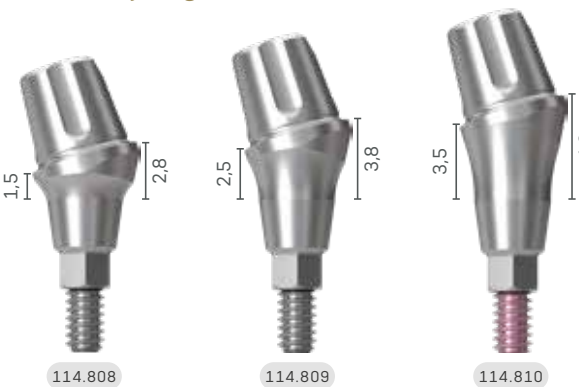


Measurements GM Universal Abutment

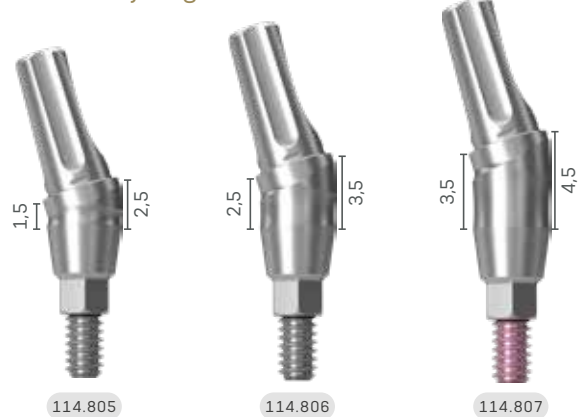
4 mm chimney height / Ø 3.3 / 17°



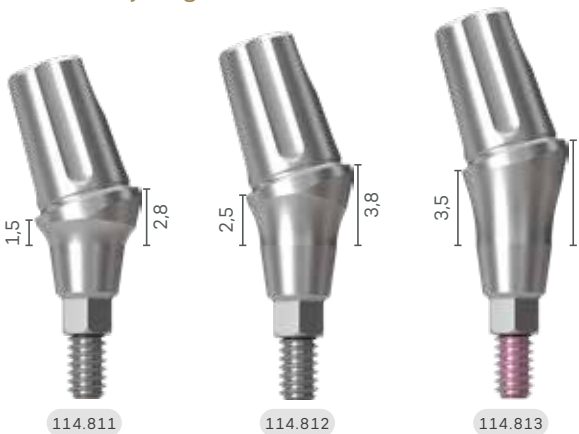
4 mm chimney height / Ø 4.5 / 17°



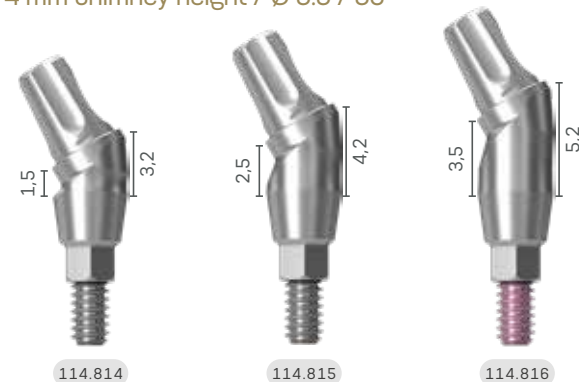
6 mm chimney height / Ø 3.3 / 17°



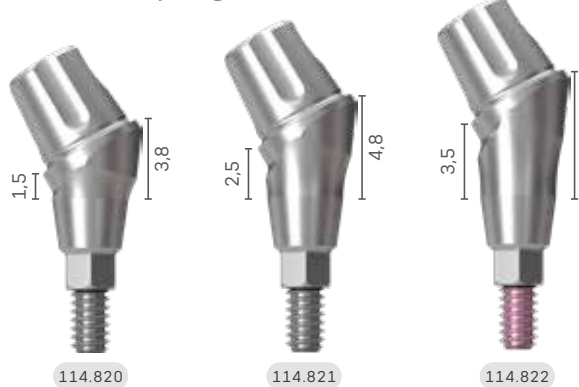
6 mm chimney height / Ø 4.5 / 17°



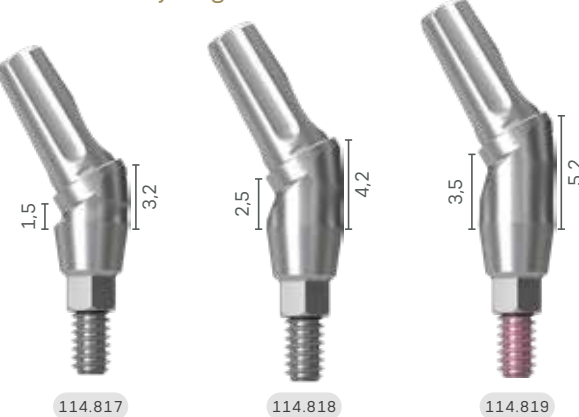
4 mm chimney height / Ø 3.3 / 30°



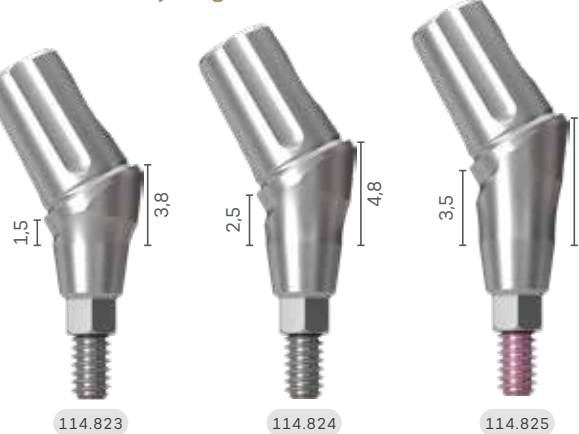
4 mm chimney height / Ø 4.5 / 30°



6 mm chimney height / Ø 3.3 / 30°



6 mm chimney height / Ø 4.5 / 30°



Grand Morse® Kits

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](#)

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).

Neodent controlsystem

User friendly kit retentive system

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



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

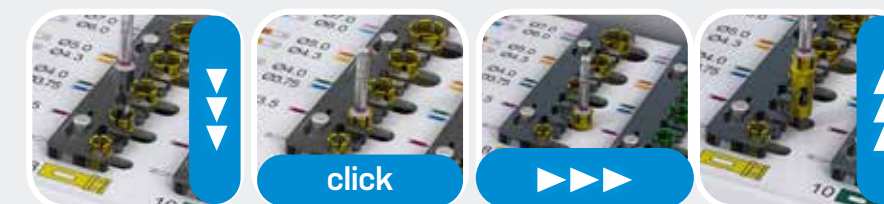
The Neodent® Control System is a color coded solution facilitating the identification of the drill sequence, the diameter and length of the implant and the combination of drill stop and drill.

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.



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® Compact Kit Control Stop Drills

Autoclavable polymer case.
The Kit allows the installation of Helix GM® Implants in all bone types, using the Neodent® 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® Compact Surgical Kit Case	103.426	Drill Extension	103.516	Pilot Drill 4.3
103.170	Initial Drill	103.500	Tapered Control Stop Drill 3.5+	103.517	Pilot Drill 5.0
103.492	Tapered Control Stop Drill 2.0	103.501	Tapered Control Stop Drill 3.75+	128.028	GM Height Measurer
103.493	Tapered Control Stop Drill 3.5	103.502	Tapered Control Stop Drill 4.0+	128.030	Angle Measurer for Drill 2.0 17°
103.494	Tapered Control Stop Drill 3.75	103.503	Tapered Control Stop Drill 4.3+	128.031	Angle Measurer for Drill 2.0 30°
103.495	Tapered Control Stop Drill 4.0	103.504	Tapered Control Stop Drill 5.0+	128.019	Direction Indicator 2.8/3.5
103.496	Tapered Control Stop Drill 4.3	105.168	GM Implant Driver - Contra-angle GM	128.020	Direction Indicator 3.0/3.75
103.497	Tapered Control Stop Drill 5.0	105.130	Implant Driver - Torque Wrench (Long)	128.021	Direction Indicator 3.3/4.0
103.498	Tapered Control Stop Drill 6.0 (Short)	105.129	GM Implant Driver - Torque Wrench (Short)	128.022	Direction Indicator 3.6/4.3
103.499	Tapered Control Stop Drill 7.0 (Short)*	103.513	Pilot Drill 3.5	128.023	Direction Indicator 4.3/5.0
104.060	Neo Manual Screwdriver (Medium)	103.514	Pilot Drill 3.75	129.004	Depth Probe
104.028	Manual Implant Driver - Contra-angle	103.515	Pilot Drill 4.0	104.050	Torque Wrench

Note: Items that compose Neodent® Kits are sold separately.
*Tapered Control Stop Drill 7.0 is not included in the pre-mounted kit composition (110.308).

Control Drill Stop Kit

Autoclavable polymer case.
The Kit allows the sterilization and engagement of Neodent® Control Drill Stops on the drills.
To order the pre-mounted version of the kit, with its complete composition, use code [110.306](#).



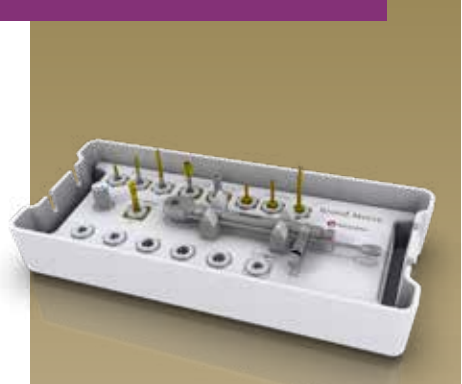
Articles

110.307	Control Drill Stop Kit Case	125.155	13.0 Control Drill Stop D3.75/4.0
125.144	8.0 Control Drill Stop D2.0	125.156	8.0 Control Drill Stop D4.3/5.0
125.145	10.0 Control Drill Stop D2.0	125.157	10.0 Control Drill Stop D4.3/5.0
125.146	11.5 Control Drill Stop D2.0	125.158	11.5 Control Drill Stop D4.3/5.0
125.147	13.0 Control Drill Stop D2.0	125.159	13.0 Control Drill Stop D4.3/5.0
125.148	8.0 Control Drill Stop D3.5	125.160	8.0 Control Drill Stop D6.0/7.0
125.149	10.0 Control Drill Stop D3.5	125.161	10.0 Control Drill Stop D6.0/7.0
125.150	11.5 Control Drill Stop D3.5	125.162	11.5 Control Drill Stop D6.0/7.0
125.151	13.0 Control Drill Stop D3.5	125.163	13.0 Control Drill Stop D6.0/7.0
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		

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

Grand Morse® Prosthetic Kit

Autoclavable polymer case.
To order the pre-mounted version of the kit, with its complete composition, use code [110.304](#).



Articles

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)
105.160	Neo Screwdriver Torque Connection - Contra-angle (Long)
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.

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.

Grand Morse® Instruments



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

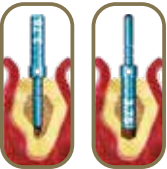
- :: Available in titanium;
- :: To be used in association with the Control Stop Drills;
- :: Physical control for drilling depth.

	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.



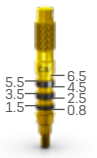
2.8/3.5	128.019	3.6/4.3	128.022
3.0/3.75	128.020	4.3/5.0	128.023
3.3/4.0	128.021		



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.

Regular
105.131

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 22 mm	Long 30 mm
105.129	105.130

Neo Screwdriver Torque Connection - Torque Wrench

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

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

Neo Manual Screwdriver

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

Short 21 mm	Medium 25 mm	Long 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 16.5 mm	Short 24 mm	Long 31 mm
105.146	105.135	105.160

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 Regular	Torque Wrench Short	Torque Wrench Regular with Screw
105.138	105.137	105.044	105.009

Angled Solution Screw-driver for Torque Wrench

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

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

Angled Solution Screw-driver for Contra-angle

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

Short 20 mm	Medium 26 mm	Long 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 piecel;
- :: 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 remvoable 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

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**
- L13 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."

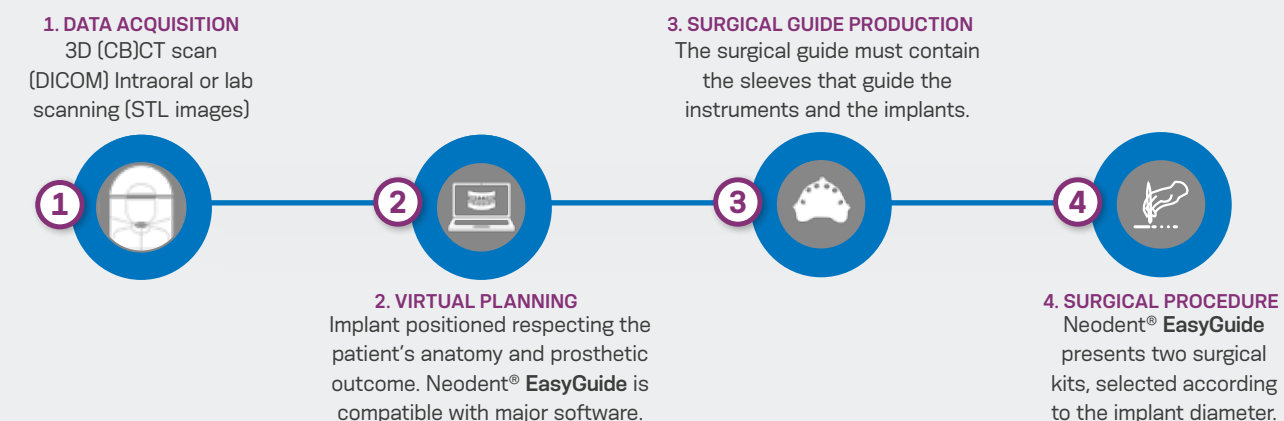


FULLY GUIDED IMPLANT INSERTION

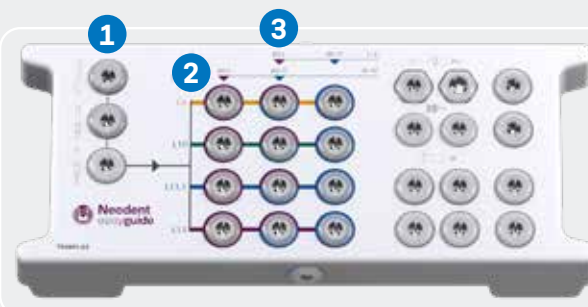
- Implant driver fits the sleeve, for a fully guided insertion with physical depth control;
- Offset: 10 mm.

FULLY GUIDED BED PREPARATION

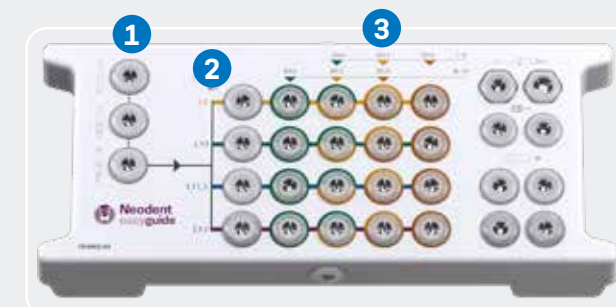
- Intimate contact between drill and sleeve for accuracy in angulation;
- Depth control with stop drills,



EASYGUIDE KIT NARROW/REGULAR • Ø 3.5, Ø 3.75



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



- UNIQUE START REGARDLESS OF BONE TYPE**
 - STRAIGHTFORWARD IMPLANT LENGTH IDENTIFICATION**
 - 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

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	103.551	Narrow Tapered Drill D3.5/3.75X10	125.142	Fixation Clamp - 3 units per kit
125.170	GM Narrow Stabilizer - 3 units per kit	103.552	Narrow Tapered Drill D3.5/3.75X11.5	104.050	Torque Wrench
105.169	GM Narrow Driver for Contra-angle	103.553	Narrow Tapered Drill D3.5/3.75X13		
105.162	GM Narrow Driver for Torque Wrench	103.554	Narrow Tapered Drill D3.75X8		
103.583	Narrow Mucosa Punch	103.555	Narrow Tapered Drill D3.75X10		
103.519	Narrow Bone Leveling Drill	103.556	Narrow Tapered Drill D3.75X11.5		
103.545	Narrow Initial Drill	103.557	Narrow Tapered Drill D3.75X13		
103.546	Narrow Tapered Drill D3.5X8	104.060	Neo Manual Screwdriver (Medium)		
103.547	Narrow Tapered Drill D3.5X10	103.558	Drill for Palatal Setter		
103.548	Narrow Tapered Drill D3.5X11.5	125.176	Palatal Setter		
103.549	Narrow Tapered Drill D3.5X13	103.395	Guided Surgery Drill 1.3		
103.550	Narrow Tapered Drill D3.5/3.75X8	129.034	Depth Probe		

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

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	103.530	Regular Tapered Drill D4.0X10	103.542	Regular Tapered Drill D5.0X10
125.171	GM Regular Stabilizer - 3 units per kit	103.531	Regular Tapered Drill D4.0X11.5	103.543	Regular Tapered Drill D5.0X11.5
105.170	GM Regular Driver for Contra-angle	103.532	Regular Tapered Drill D4.0X13	103.544	Regular Tapered Drill D5.0X13
105.164	GM Regular Driver for Torque Wrench	103.533	Regular Tapered Drill D4.0/4.3X8	104.060	Neo Manual Screwdriver (Medium)
103.584	Regular Mucosa Punch	103.534	Regular Tapered Drill D4.0/4.3X10	103.558	Drill for Palatal Setter
103.518	Regular Bone Leveling Drill	103.535	Regular Tapered Drill D4.0/4.3X11.5	125.176	Palatal Setter
103.520	Regular Initial Drill	103.536	Regular Tapered Drill D4.0/4.3X13	103.395	Guided Surgery Drill 1.3
103.521	Regular Tapered Drill D2.7X8	103.537	Regular Tapered Drill D4.3/5.0X8	125.142	Fixation Clamp - 3 units per kit
103.522	Regular Tapered Drill D2.7X10	103.538	Regular Tapered Drill D4.3/5.0X10	129.034	Depth Probe
103.523	Regular Tapered Drill D2.7X11.5	103.539	Regular Tapered Drill D4.3/5.0X11.5	104.050	Torque Wrench
103.524	Regular Tapered Drill D2.7X13	103.540	Regular Tapered Drill D4.3/5.0X13		
103.529	Regular Tapered Drill D4.0X8	103.541	Regular Tapered Drill D5.0X8		

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

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



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



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



Mucosa Punches

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

Narrow	Regular
103.583	103.584



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



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



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 31 mm
105.160



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
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125.168	Narrow Sleeve D3.93
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125.177	Sleeve for Palatal Setter
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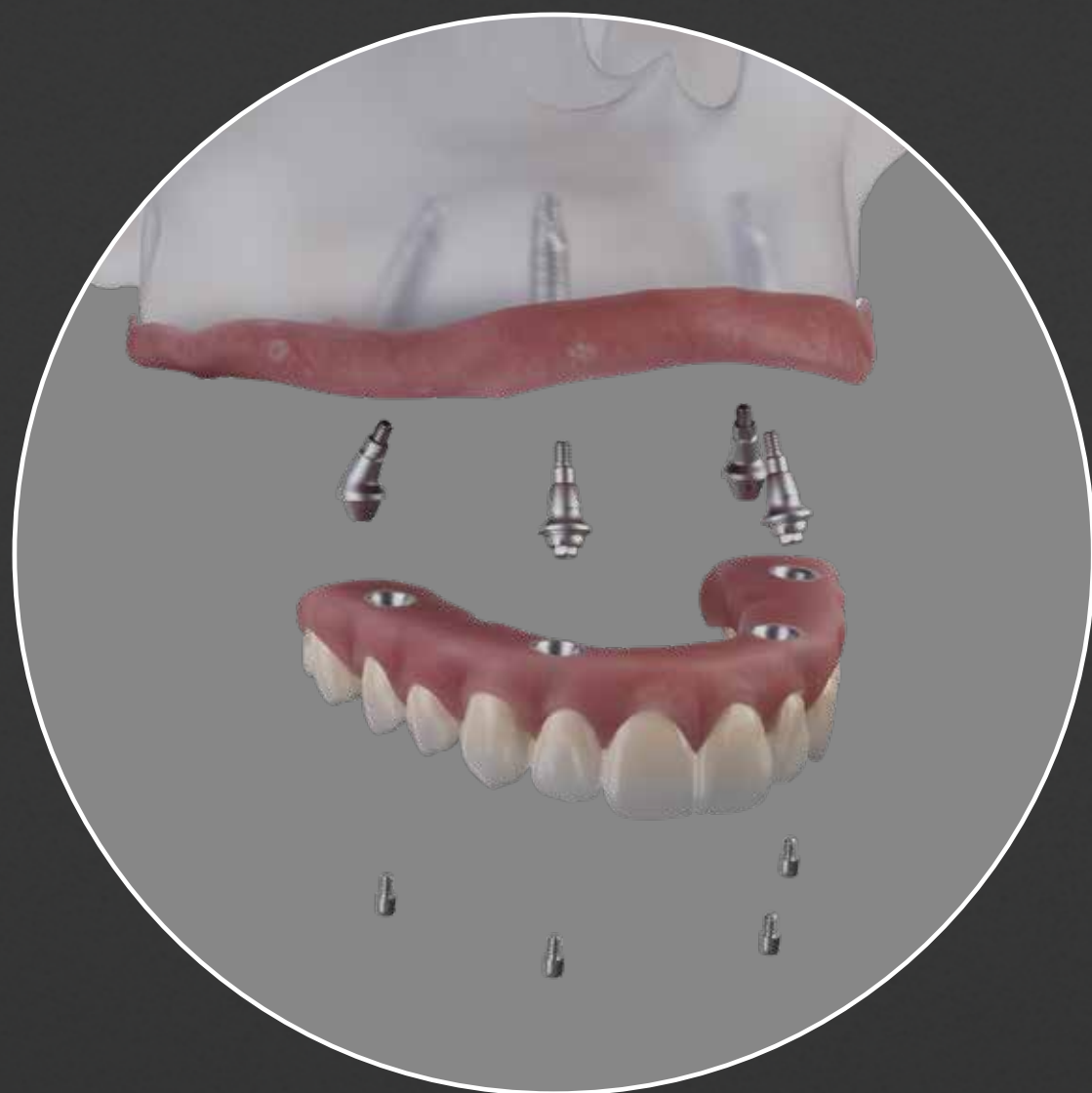


125.143	Sleeve for Fixation Clamp
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A SMILE FOR EVERYONE

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⁽¹⁰⁾.



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⁽¹¹⁾.
- Optimized implant design to achieve high primary stability in all bone types⁽¹²⁾.



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.



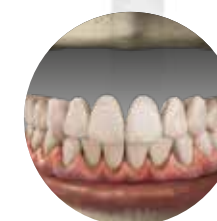
Helix GM®



Helix GM® Long



Zygoma-S GM

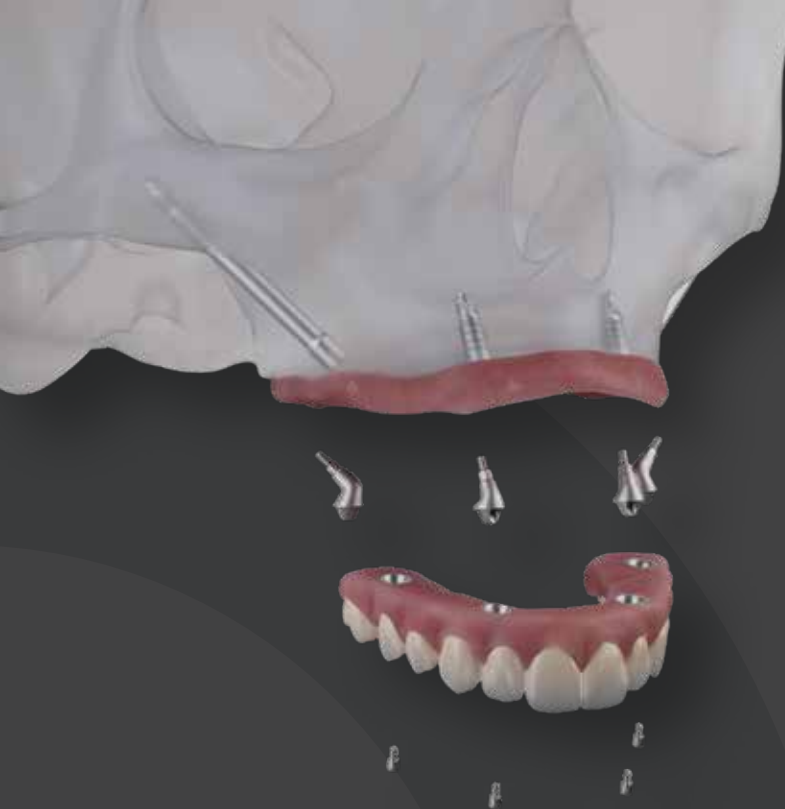


BONE RESORPTION



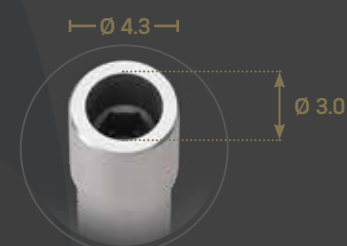
DR JOE BHAT, from United Kingdom

“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

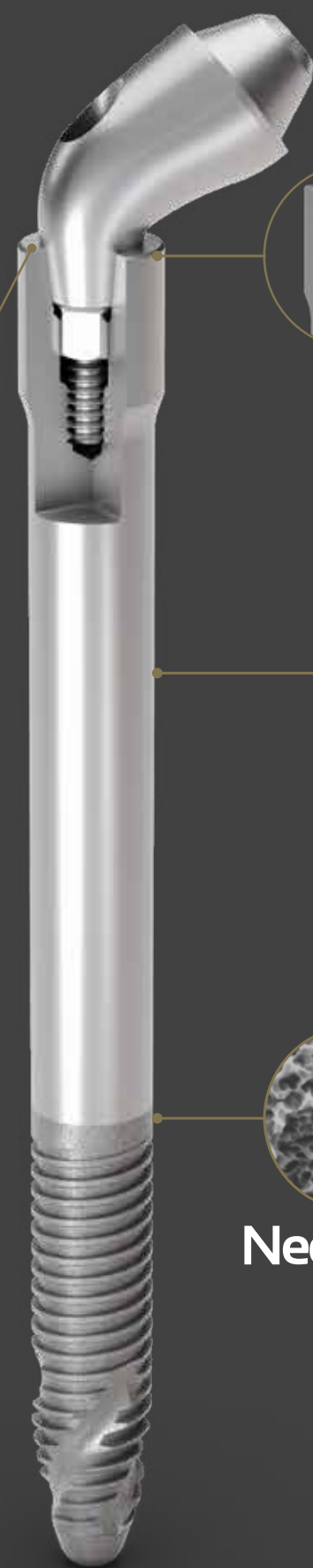


GRAND MORSE® CONNECTION

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^[10].

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

 neodent.com/zygoma-s



Learn more about this **unique feature**:

 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: fulfils 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^[18], 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^[12].
- 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.

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.

NeoPoros



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

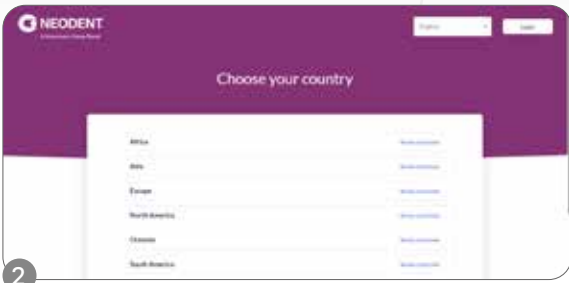
Neodent® innovates once more, providing an on-line platform designed to provide quick and practical use of its own products instructions: the e-IFU (Instructions For Use) website.

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



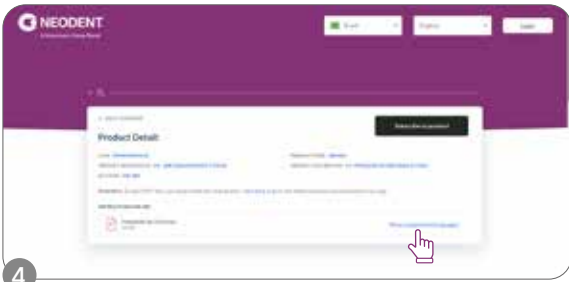
To access the IFU website, enter the address above in your browser.



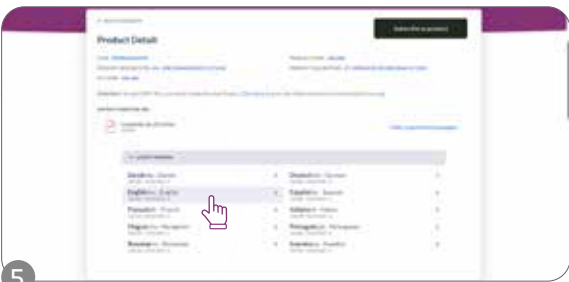
Select the country.



Enter the article number in the search field.



The search results will be displayed; click on "show supported languages."



Select the language.



Confirm and access the IFU.

Helix GM® 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® connection.

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

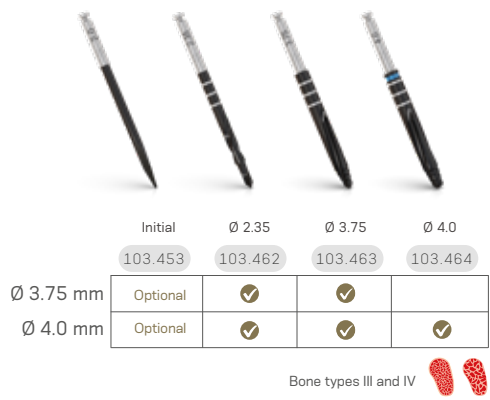
- Drilling features:
- For infraosseous positioning it is recommended to add 1 to 2 mm in length to the implant during surgical instrumentation.
 - Drilling speed: 500-800 rpm;
 - Implant insertion speed: 30 rpm;
 - Maximum torque for implant placement: 60 N.cm.

Available with:

NeoPoros®

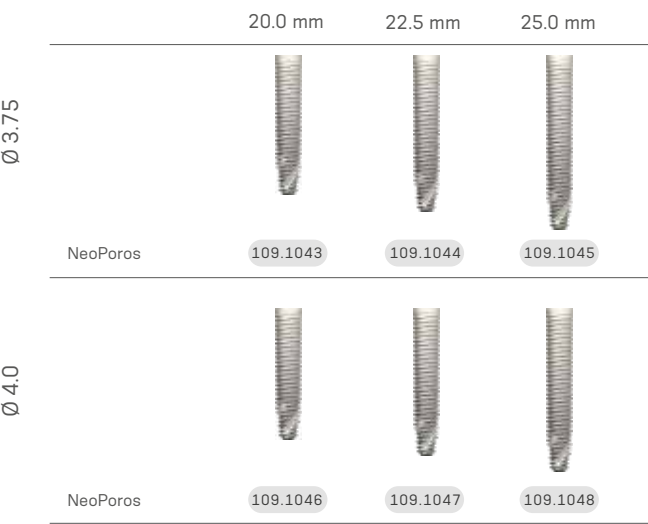


Drill Sequence



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

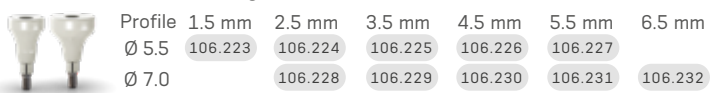
Helix GM® Long implants



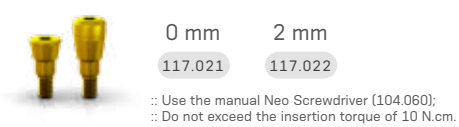
GM Healing Abutment



GM Customizable Healing Abutments



GM Cover Screw



GM Zygomax-S

PRODUCT FEATURES:

- Implants Description:
- Hybrid contour with a cylindrical shape coronal and medium parts. part; 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

		<div>Ø 2.35</div> <div>103.455</div> <div>71 mm</div>		<div>Ø 3.5</div> <div>103.615</div> <div>71 mm</div>	<div>Ø 3.75</div> <div>103.617</div> <div>71 mm</div>	
	Initial lateral cutting drill	<div>103.614</div> <div>100 mm</div>	Lateral cutting drill Ø 4.0	<div>103.616</div> <div>100 mm</div>	<div>103.618</div> <div>100 mm</div>	Pilot drill Ø 4.0
	<div>103.453</div>	<div>103.613</div> <div>guided</div>	<div>103.619</div>	<div>103.616</div> <div>100 mm</div>	<div>103.618</div> <div>100 mm</div>	<div>103.620</div>
Ø 3.5 mm	Optional	Optional	Optional	✓	- - -	Optional
Ø 3.75 mm	Optional	Optional	Optional	✓	✓	Optional

GM Zygomax-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		<div>109.1086</div>	<div>109.1087</div>	<div>109.1088</div>	<div>109.1089</div>	<div>109.1090</div>	<div>109.1091</div>	<div>109.1092</div>	<div>109.1093</div>	<div>109.1094</div>	<div>109.1095</div>
Ø 3.75											
NeoPoros		<div>109.1096</div>	<div>109.1097</div>	<div>109.1098</div>	<div>109.1099</div>	<div>109.1100</div>	<div>109.1101</div>	<div>109.1102</div>	<div>109.1103</div>	<div>109.1104</div>	<div>109.1105</div>

GM Cover Screw



- | | |
|--------------------|--------------------|
| 0 mm | 2 mm |
| <div>117.021</div> | <div>117.022</div> |

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

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;

Exact;
Neo Removable Screw.



Installation Sequence



GM Mini Conical Abutment

0.8 mm	1.5 mm	2.5 mm
115.243	115.244	115.245
3.5 mm	4.5 mm	5.5 mm
115.246	115.247	115.248



GM Exact Mini Conical Abutment 17°/30°/45° 45°/45° slim/52° 60°

	17°	30°	45°	45° slim	52°	60°
1.5 mm	115.275	115.278	115.281	115.302	115.300	115.285
2.5 mm	115.276	115.279	115.282	115.303	115.301	115.286
3.5 mm	115.277	115.280				

Intraoral

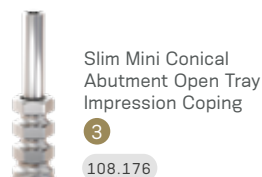


Mini Conical Abutment Scanbody
108.218



Mini Conical Abutment Hybrid Repositionable Analog
101.092

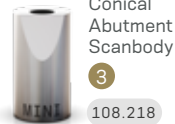
Model Scanning



Slim Mini Conical Abutment Open Tray Impression Coping
108.176



Mini Conical Abutment Hybrid Repositionable Analog
101.092

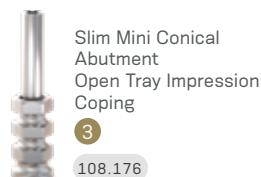


Mini Conical Abutment Scanbody
108.218



Neo Mini Conical Abutment One Step Hybrid Coping
118.382 Regular

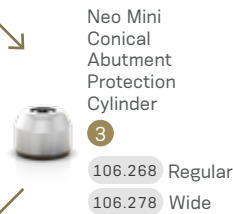
Conventional



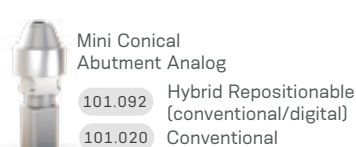
Slim Mini Conical Abutment Open Tray Impression Coping
108.176



Neo Mini Conical Abutment Titanium Coping
118.302



Neo Mini Conical Abutment Protection Cylinder
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
118.303



Neo Mini Conical Abutment Burn-out Coping
118.301

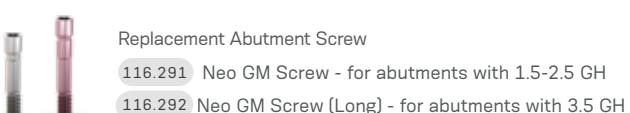
The 45° Mini Conical Abutment Slim, 45° Mini Conical Abutment, and the 52° Mini Conical Abutment are indicated for use only with Zygoma GM™ and GM Zygoma-S.

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

Drivers



Accessories



Replacement Abutment Screw
116.291 Neo GM Screw - for abutments with 1.5-2.5 GH
116.292 Neo GM Screw (Long) - for abutments with 3.5 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.

Measurements GM Mini Conical Abutment

17°



115.275 115.276 115.277

30°



115.278 115.279 115.280

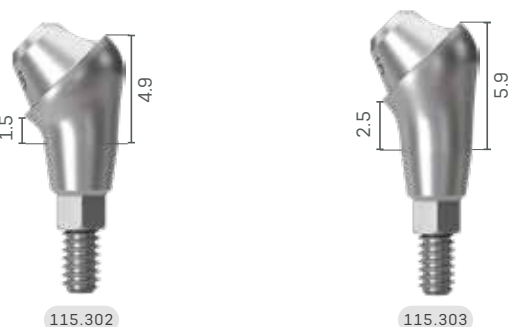
45°*



115.281 115.282

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

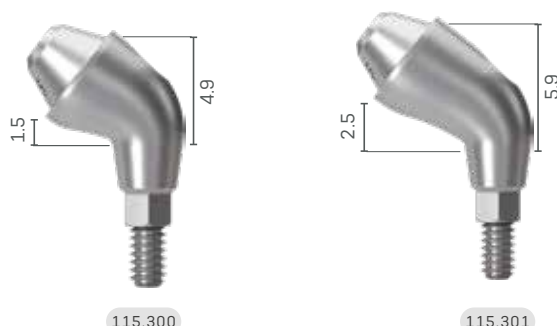
45° slim*



115.302 115.303

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

52°*



115.300 115.301

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

60°*



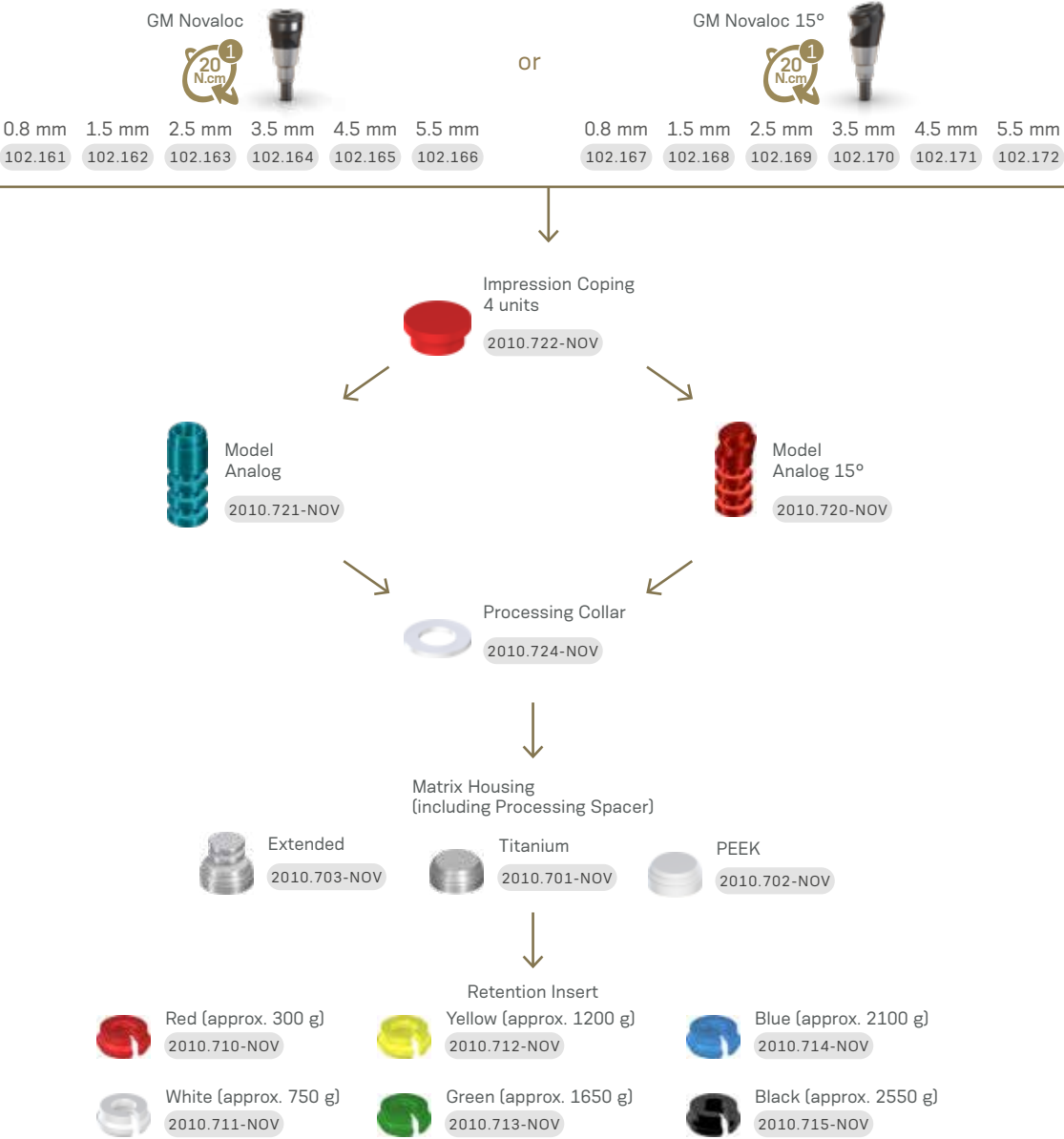
115.285 115.286

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

GM Novaloc



Angled version with removable screw.



NeoArch® Kits

Helix GM® Long Compact Surgical Kit

Autoclavable polymer case.



Articles

110.300	Helix GM® Long Compact Surgical Kit Case	103.453	Helix GM® Long Initial Drill 2.0mm	105.143	Regular Guided Surgery GM Connection for Torque Wrench
103.395	Guided Surgery Drill 1.3mm	103.462	Twist Drill For Helix GM® Long 2.35mm	105.172	Regular Guided Surgery GM Connection - Contra-angle
125.100	Guided Surgery Guide Clamp	103.463	Twist Drill For Helix GM® Long 3.75mm	104.060	Neo Manual Screwdriver (medium)
125.140	Drill Guide For NGS Helix GM® Long 2.0/2.35mm	103.464	Twist Drill For Helix GM® Long 4.0mm	105.129	GM Implant Driver - Torque Wrench (short)
125.141	Drill Guide For NGS Helix GM® Long 3.75/4.0mm	129.021	Helix GM® Long X-ray Positioner	105.168	GM Implant Driver - Contra-angle
103.459	Twist Drill For NGS Helix GM® Long 2.35mm	128.032	GM Angle Measurer 17°	104.050	Torque Wrench
103.460	Twist Drill For NGS Helix GM® Long 3.75mm	128.033	GM Angle Measurer 30°		
103.461	Twist Drill For NGS Helix GM® Long 4.0mm	128.034	GM Angle Measurer 45°		

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

GM Zygoma-S Surgical Kit

Autoclavable polymer case.



Articles

110.321	GM Zygoma-S surgical case	128.035	GM angle measurer, 60 degrees	103.617	Conical drill for Zygoma-s, 3.75 x 71 mm
103.395	Guided surgery drill, 1.3	103.453	GM helix lg initial drill	103.618	Conical drill for Zygoma-s, 3.75 x 100 mm
103.454	Twist drill for NGS GM zygomatic, 2.35	105.168	GM contra-angle driver	103.620	Pilot drill for Zygoma-s, 4.3
128.032	GM angle measurer, 17 degrees	105.129	GM short torque wrench driver	103.619	Multilaminate drill for Zygoma-s, 4.0 x 71 mm
128.033	GM angle measurer, 30 degrees	128.028	GM height measurer	104.050	Torque wrench
125.142	NGS guide clamp	104.058	Short neo manual screwdriver	104.063	GM Zygomatic installation driver, stainless steel/pol.
125.142	NGS guide clamp	103.613	Multilaminate initial drill for Zygoma-S	129.039	Zygoma-S GM depth probe, 3.75
125.142	NGS guide clamp	103.455	Twist drill for GM Zygomatic, 2.35	129.038	Zygoma-S GM depth probe, 3.5
125.139	Drill guide for GM Zygomatic, stainless steel/ti, 2.35	103.614	Conical drill for Zygoma-s, 2.35 x 100 mm	129.037	Zygoma-S GM depth probe, 2.35
128.034	GM angle measurer, 45 degrees	103.615	Conical drill for Zygoma-s, 3.5 x 71 mm		
128.043	GM angle measurer, 52 degrees	103.616	Conical drill for Zygoma-s, 3.5 x 100 mm		

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

NeoArch[®] Instruments



Helix GM[®] Long Drills

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

Initial	Ø 2.35	Ø 3.75	Ø 4.0
103.453	103.462	103.463	103.464



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



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



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.

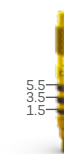
Ø 4.0
103.458



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



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.

105.131



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



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;
:: 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
105.146	105.135	105.160



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



Probes Zygoma GM™
and GM Zygoma-S

:: 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.

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



Zygoma GM™ and GM Zygoma-S
Installation Driver

:: Instrument for application of manual torque.

104.063



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	Long
130.118	130.114



Remover for Neo Screws

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

Regular	Long
130.119	130.115



Regular
130.117



Long
130.116

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

Patients' expectations regarding tooth replacement are increasing and are even higher when it comes to treatment duration and esthetic outcomes. The Neodent® Guided Surgery helps clinicians to provide prosthetically driven treatments, enabling them to perform immediate protocols with peace of mind, fulfilling patients' expectations.



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⁽¹³⁾.
- Comfort by the reduction of operative and postoperative discomfort (e.g. reduced patient chair time).



Access to more treatment options.

- Reliable access to flapless surgery⁽¹⁴⁻¹⁶⁾.
- Designed to reduce bone grafting procedures.
- Predictable immediate protocols.



Increase patient acceptance.

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

SURGICAL PREDICTABILITY AND EFFICIENCY WITH A LIMITLESS SOLUTION.

Guided surgery is designed to reduce chair time and postoperative discomfort. It helps increasing implant positioning accuracy⁽¹⁷⁾.



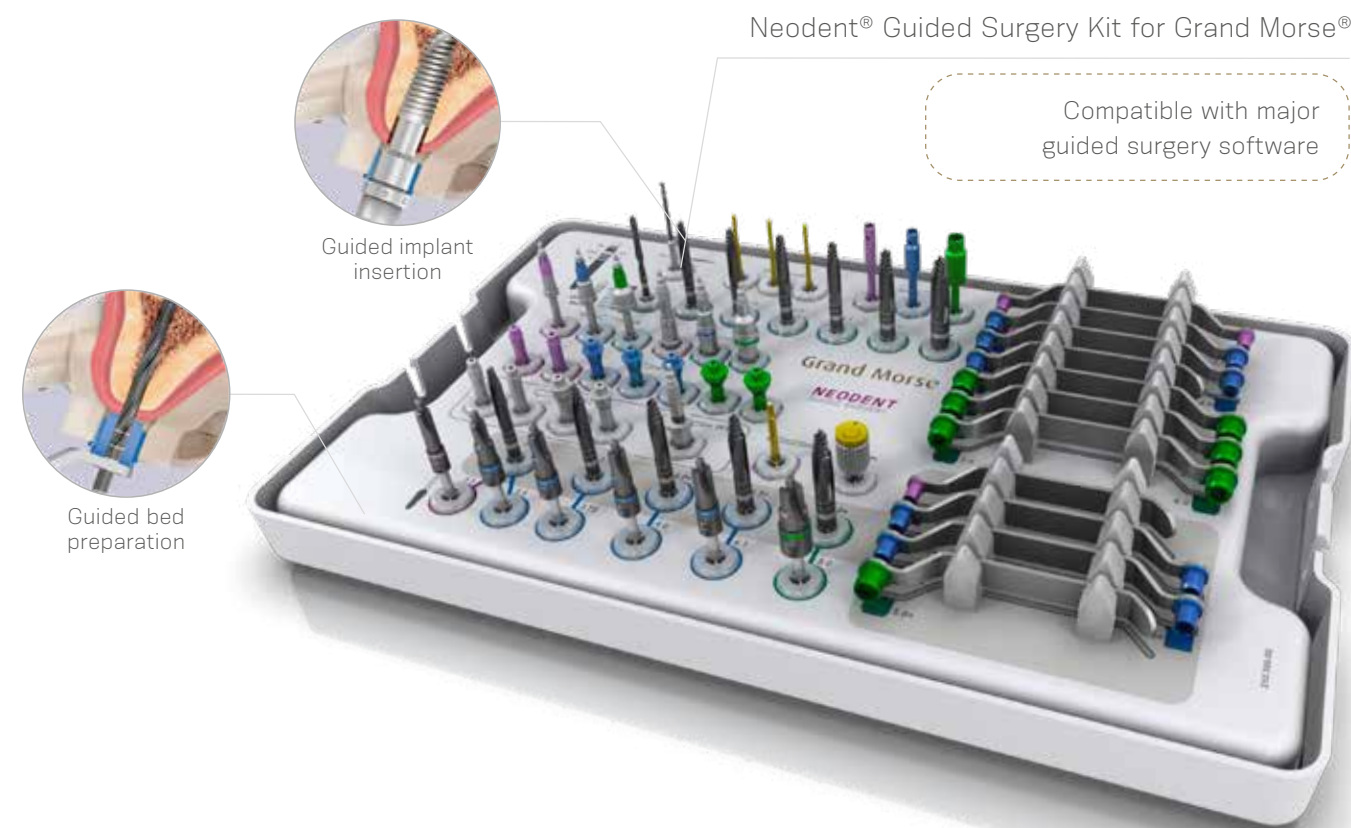
Complete
Helix® and Drive GM®
Implants portfolio



Convenient
Color-coded instruments
and symbol-marked



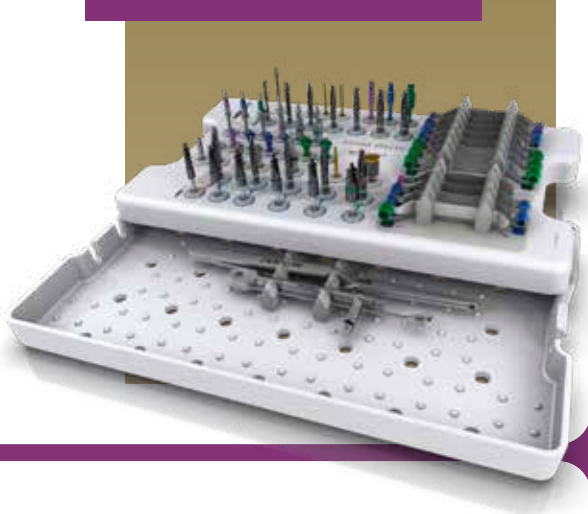
Flexible
2 sleeve height positions



Neodent® Guided Surgery Kit

Grand Morse® Guided Surgery Surgical Kit

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



Articles

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
105.160	Neo Screwdriver Torque Connection - Contra-angle (Long)		

Note: Items that compose Neodent® Kits are sold separately.
*Conventional guided surgery drills that can be replaced by the respective short version.

Neodent®

Guided Surgery Instruments



Guided Surgery Tapered 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	



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

Neodent® 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

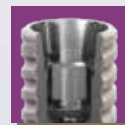
Implant therapy for demanding indications, such as reduced interdental spaces, can raise concerns regarding resistance and biomechanical behavior. Therefore, features of an implant-abutment interface are essential to provide successful long-term functional, stable, and esthetic results.

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

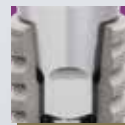
16° Morse Taper connection

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.



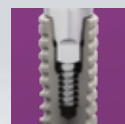
Platform switching

The abutment design features a narrower diameter than the implant coronal area, which enables platform switching.⁽⁵⁻⁹⁾



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.⁽¹⁻⁴⁾



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.





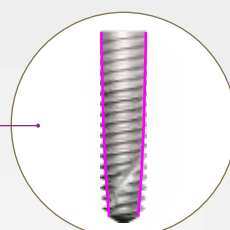
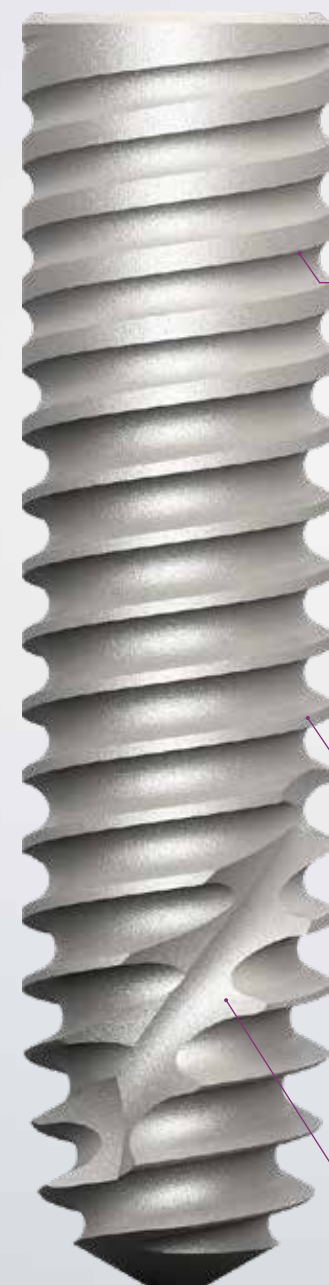
FLEXIBILITY FOR IMMEDIATE ESTHETIC OUTCOMES

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.

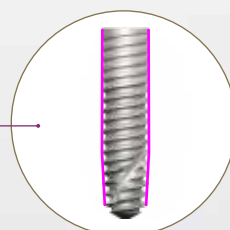
The versatile Neodent® Helix GM Narrow system combines a Ø2.9mm Helix implant, with a comprehensive prosthetic portfolio to restore cases in limited bone availability and interdental spaces, for immediate esthetic results.

THE UNBEATABLE VERSATILITY OF HELIX

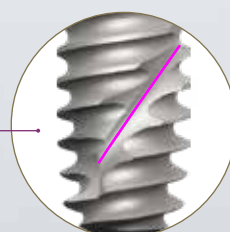
- Dynamic progressive thread design**
- Coronal: Double start threads with rounded root > compressing;
 - Apex: V-Shape > Self-cutting High primary stability.



- 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.



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.



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. //



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.



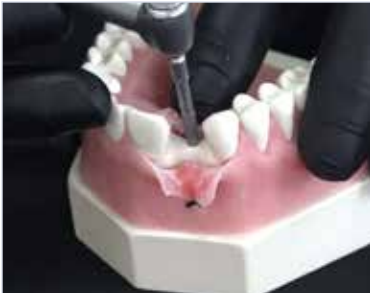
2. Hold the bottle using the non-dominant hand and take the lid off. The internal support containing the implant should come out attached to the lid. To do so, remove the lid and the clear tube's internal support in the axial direction making no lateral movements.



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



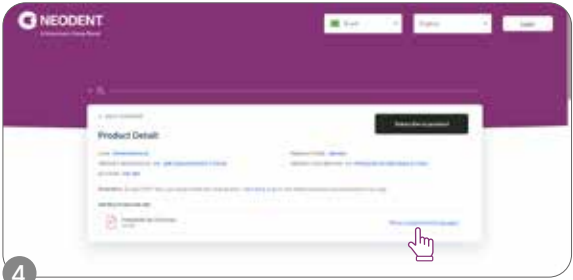
To access the IFU website, enter the address above in your browser.



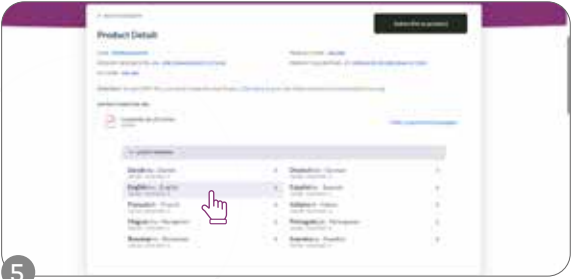
Select the country.



Enter the article number in the search field.



The search results will be displayed; click on "show supported languages."



Select the language.



Confirm and access the IFU.

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:



Drill Sequence for conventional surgery

	Initial 103.586	Ø 2.0 10 mm 103.589	Ø 2.0 12 mm 103.590	Ø 2.0 14 mm 103.591	Ø 2.9 10 mm 103.592	Ø 2.9 12 mm 103.593	Ø 2.9 14 mm 103.594	Countersink 103.595
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

	Mucosa Punch 103.585	Leveling Drill 103.587	Initial 103.588	Ø 2.0 10 mm 103.589	Ø 2.0 12 mm 103.590	Ø 2.0 14 mm 103.591	Ø 2.9 10 mm 103.592	Ø 2.9 12 mm 103.593	Ø 2.9 14 mm 103.594	Countersink 103.595
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

	10 mm 140.1063	12 mm 140.1064	14 mm 140.1065
Ø2.9 / Acqua			


NGM Cover Screw




NGM Healing Abutment

	0.8 106.262	1.5 106.263	2.5 106.264	3.5 106.265	4.5 106.266
0.8 / 1.5					


NGM Micro Abutment



Single-unit screw-retained prosthesis



Multiple-unit screw-retained prosthesis



Ø 3.5 mm

Recommended for anterior region.

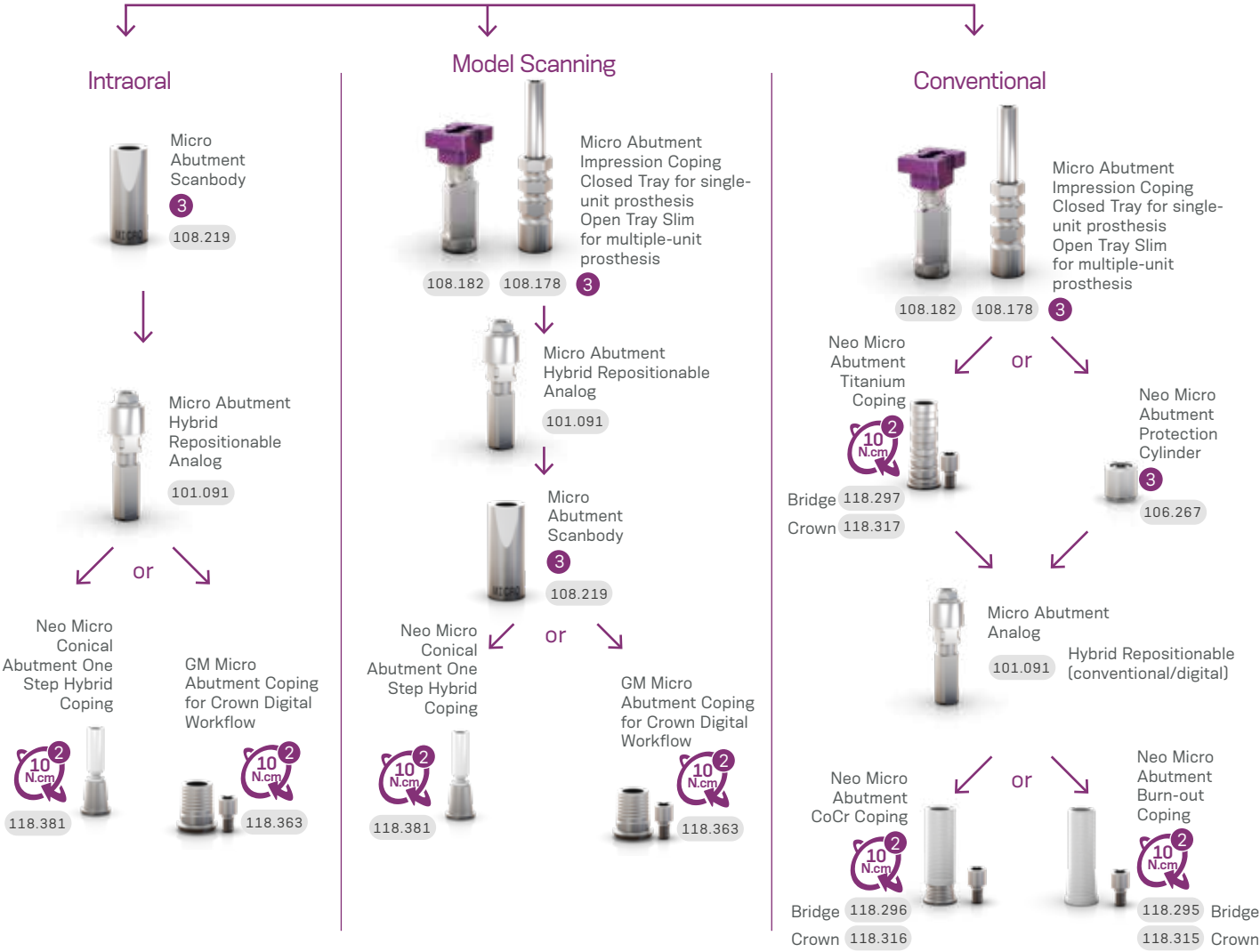
Check it out on the eShop, go to: neodent.com/shopnow

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



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	



Drivers

1 Hexagonal Prosthetic Driver + Torque Wrench

2 Neo Screwdriver Torque Connection + Torque Wrench

3 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.

NGM Universal Abutment



Single-unit cement-retained prosthesis



Ø 3.3 mm

Check it out on the eShop, go to: neodent.com/shopnow

Cementable area: 4.0 or 6.0 mm;
Click retention for provisional copings;
Exact;
Neo Removable screw;



Installation Sequence



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


Customizable up to 4 mm high;

Cementable area: 6.0 or 4.0 mm;


Exact;

Neo Removable screw;

NGM Temporary Abutment



Single-unit screw-retained temporary prosthesis



Ø 3.5

Implant level.

Check it out on the eShop, go to: neodent.com/shopnow

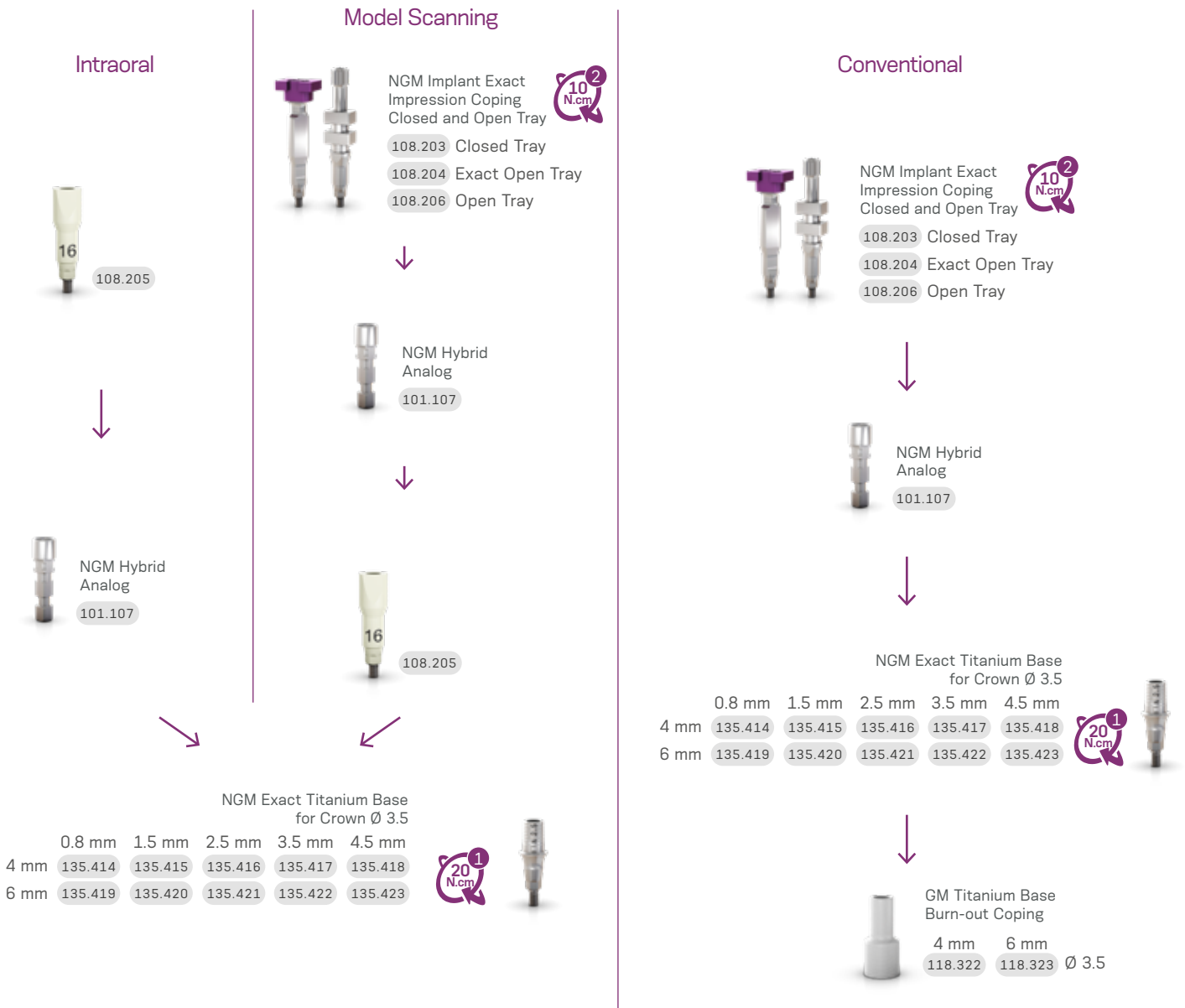
Channels of customizations;

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

Exact.

Neo Removable screw;

Installation Sequence



Drivers

1 Neo Screwdriver Torque Connection

2 Neo Screwdriver Torque Connection

Torque Wrench

Manual Screwdriver Torque

Accessories

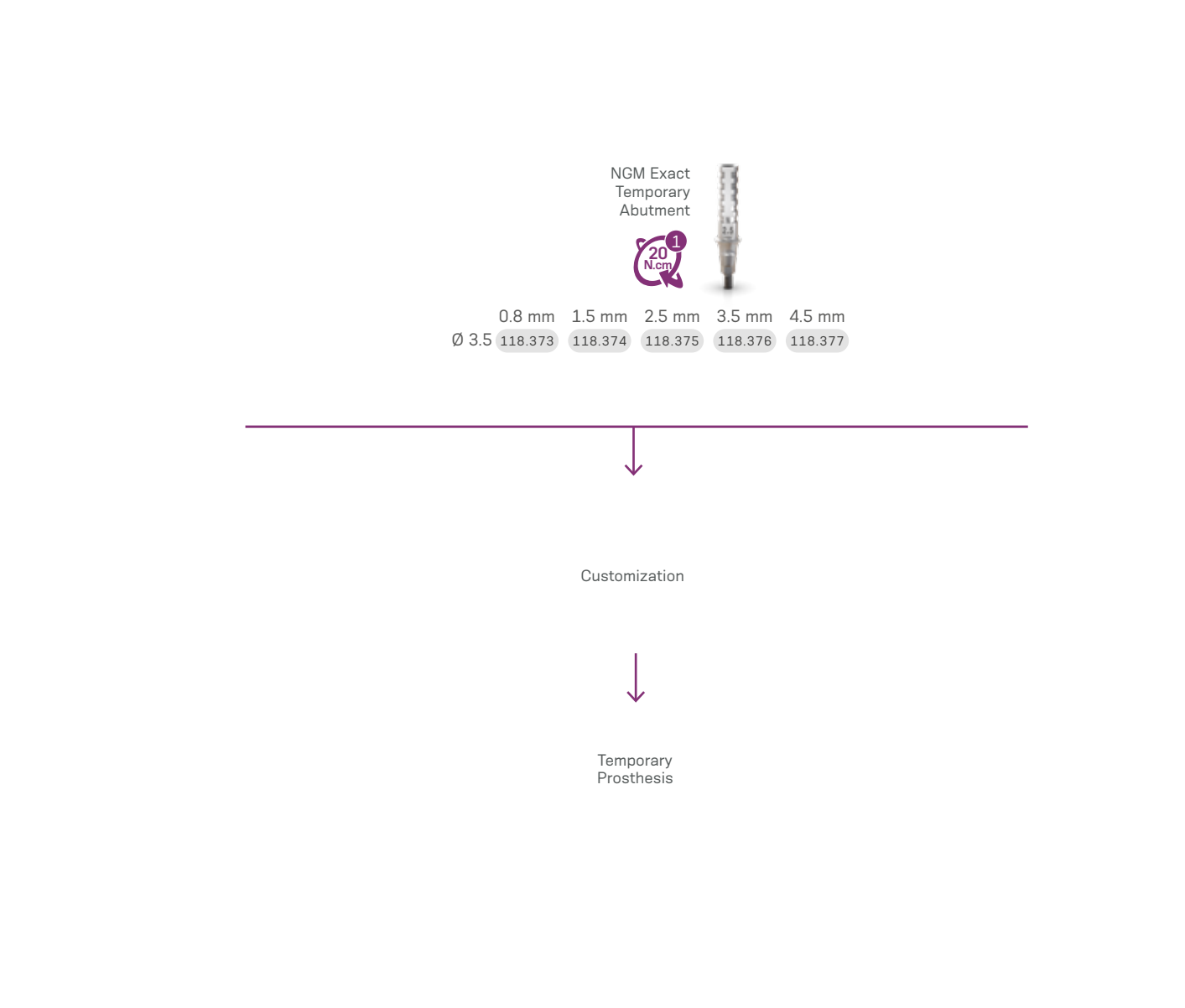
Replacement Sterile Screws

116.294 Titanium

116.293 Neotorque*

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

Installation Sequence



Drivers

1 Neo Screwdriver Torque Connection

Torque Wrench

Accessories

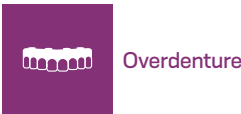
Replacement Sterile Screws

116.294 Titanium

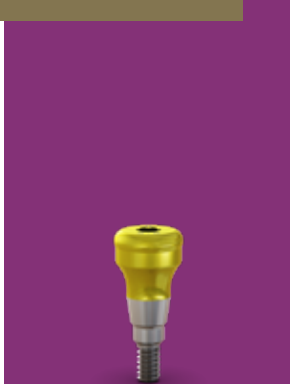
116.293 Neotorque*

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

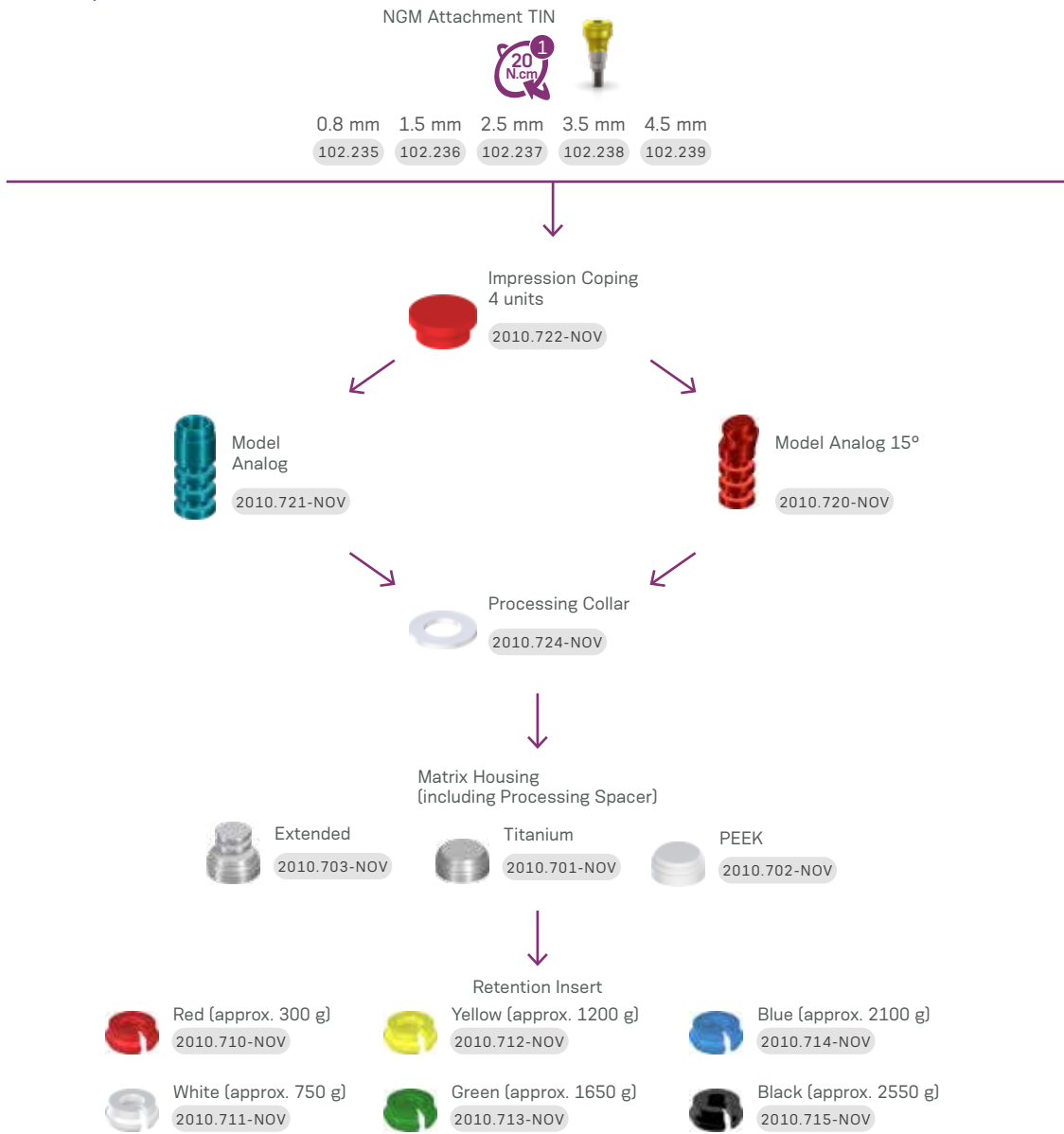
NGM Attachment TIN



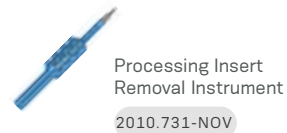
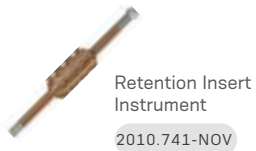
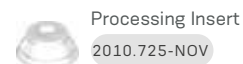
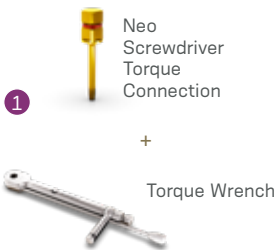
Check it out on the eShop, go to: neodent.com/shopnow



Installation Sequence



Drivers Accessories



GM Narrow Kit

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	103.594	NGM Drill 2.9x14 mm
103.585	NGM Guided Surgery Mucosa Punch	103.595	NGM Countersink Drill
103.586	NGM Initial Drill	104.050	Torque Wrench
103.587	NGM Guided Surgery Bone Levelling Drill	104.060	Neo Manual Screwdriver (Medium)
103.588	NGM Guided Surgery Initial Drill	105.132	Neo Screwdriver Torque Connection
103.589	NGM Drill 2.0x10 mm	105.137	Hexagonal Prosthetic Driver
103.590	NGM Drill 2.0x12 mm	105.165	NGM Implant Driver For Contra-angle
103.591	NGM Drill 2.0x14 mm	105.166	NGM Implant Driver For Torque Wrench
103.592	NGM Drill 2.9x10 mm	128.036	NGM Height Measurer
103.593	NGM Drill 2.9x12 mm	129.035	Helix NGM X-ray Positioner

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

GM Narrow Instruments



NGM Guided Surgery
Mucosa Punch

103.585



NGM Guided Surgery
Bone Levelling Drill

103.587



NGM Guided Surgery
Initial Drill

103.588



NGM Initial Drill

103.586



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



NGM Countersink Drill

103.595



NGM Implant Driver -
Contra Angle

105.165



NGM Implant Driver -
Torque Wrench

105.166



NGM Height Measurer

128.036



Helix NGM X-ray Positioner

129.035



Neo Manual Screwdriver

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

Medium
25 mm

104.060



Neo Screwdriver Torque Connection
- Torque Wrench

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

Medium
22 mm

105.132



Hexagonal Prosthetic Driver

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

Torque
Wrench
Regular

105.137

Torque
Wrench
Short

105.044

Torque
Wrench
Regular with
Screw

105.009



Torque Wrench

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

104.050



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.^{11,19}

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 PREDICTABILITY¹⁻⁴

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.¹⁻⁴

acqua



EXPLORE NEW LEVELS WITH
HELIX SHORT



A DESIGN FOR OPTIMIZED SOFT TISSUE MANAGEMENT SEEKING LONG-TERM SUCCESS.^{20,21}

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.²⁰

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

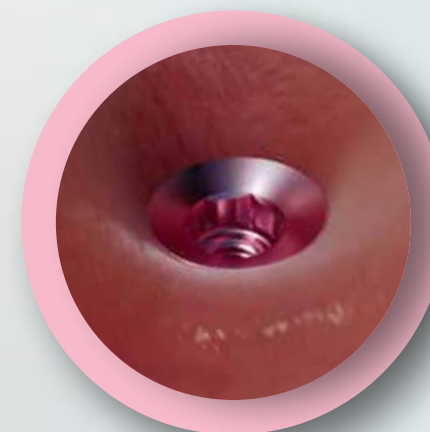


Transmucosal collar: Smooth surface optimized for lower bacterial adhesion.²¹



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

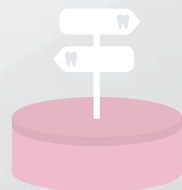
FEATURING SOFT TISSUE MANAGEMENT AND BETTER ESTHETIC OUTCOMES.



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

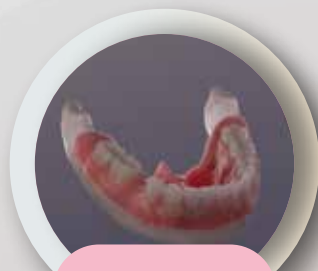


A STANDARD TRANSMUCOSAL
COLLAR, OPTIMIZED FOR LOWER
BACTERIAL ADHESION

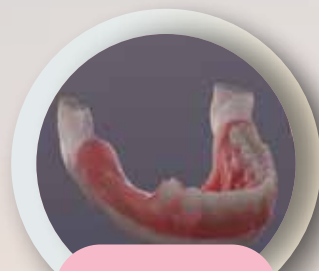


VERSATILE PROSTHETIC RESOLUTIONS AND ANATOMICAL COMPATIBILITY

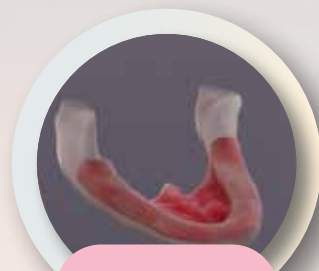
The Helix Short provides a versatile and safe prosthetic solution for cases of low vertical bone availability. From single units to full arch restorations*, the system provides clinicians tools and a comprehensive prosthetic portfolio designed to treat prevalent and challenging clinical situations.



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



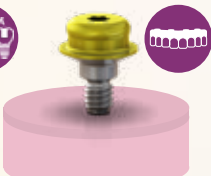
Titanium Base for Bridge



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

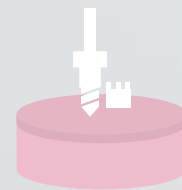


Overdenture

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, maxillar 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

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.

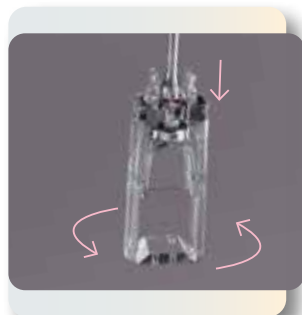
Note: the clear tube and implant must be handled with a sterile surgical glove, in a surgical environment. Hold the bottle using the non-dominant hand and take the lid off.



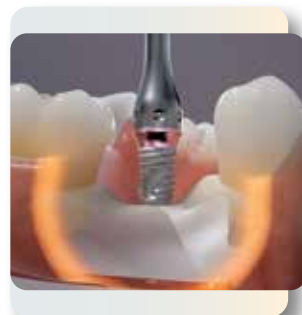
2. Hold the bottle using the non-dominant hand and take the lid off. The internal support containing the implant should come out attached to the lid. To do so, remove the lid and the clear tube's internal support in the axial direction making no lateral movements.



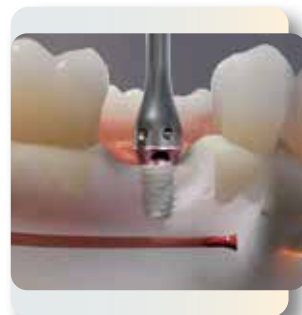
3. Using the non-dominant hand, press the sides of the internal support promoting a "pincer effect" and immobilizing the implant. Keep the support pressed and remove the lid.



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.



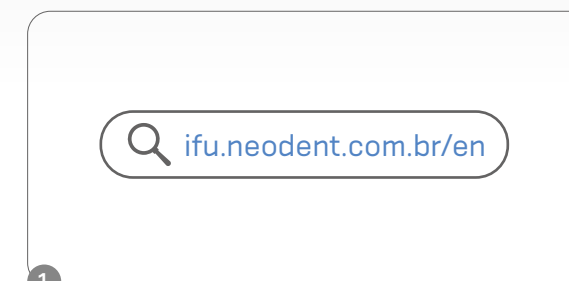
6. Place the implant with a maximum torque of 35 N.cm and speed of 30 rpm, clockwise.

e-IFU – Electronic Instructions For Use

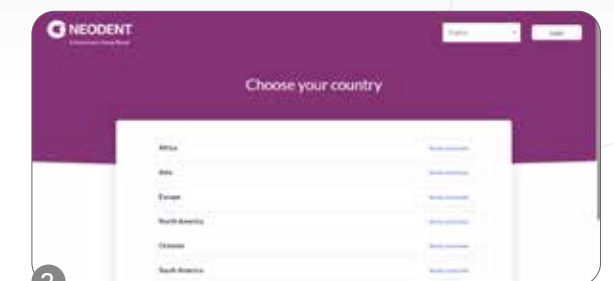
Neodent® innovates once more, providing an on-line platform designed to provide quick and practical use of its own products instructions: the e-IFU (Instructions For Use) website.

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



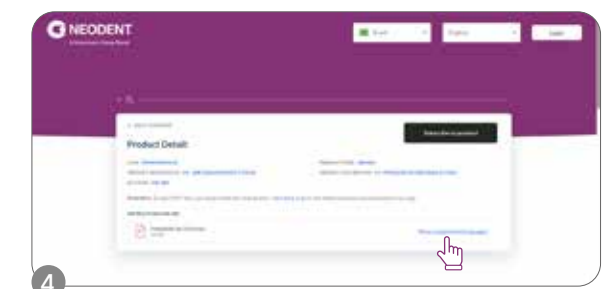
To access the IFU website, enter the address above in your browser.



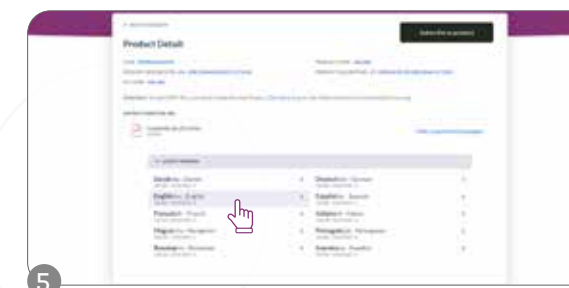
Select the country.



Enter the article number in the search field.



The search results will be displayed; click on "show supported languages."



Select the language.



Confirm and access the IFU.

Helix Short

PRODUCT CHARACTERISTICS:

Description of the implant:

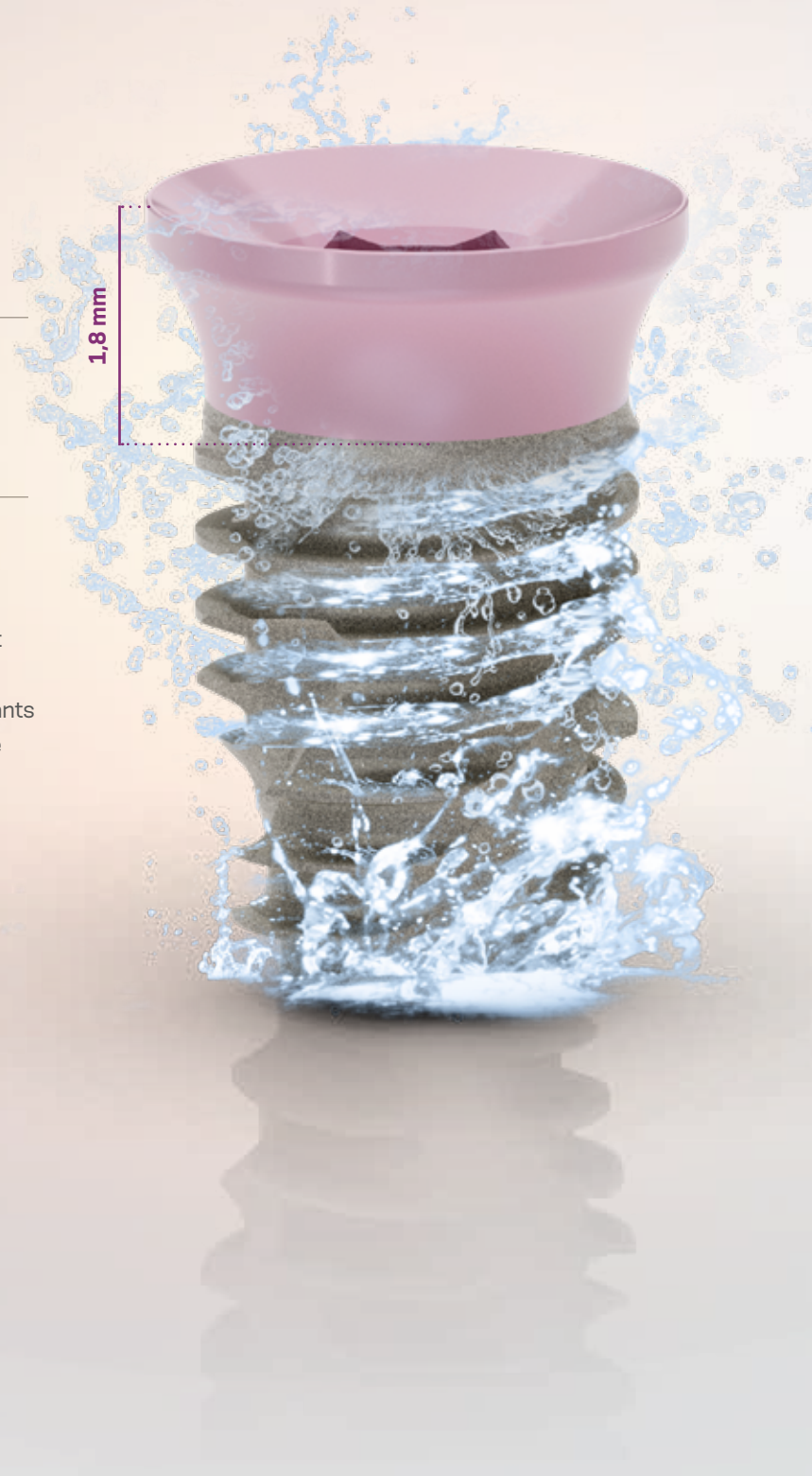
- Body design for progressive stability;
- Tapered apex;
- Trapezoidal threads;
- Helix Short interface;
- Transmucosal collar with 1.8mm in all lengths options.

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.



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  

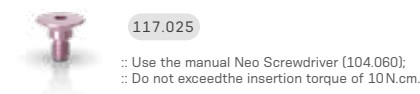
Ø 3.75 mm	✓ *	✓	✓										
Ø 4.0 mm	✓ *	✓	✓ *		✓								
Ø 5.0 mm	✓ *	✓	✓ *		✓		✓						
Ø 6.0 mm	✓ *	✓	✓ *		✓		✓		✓				
Ø 7.0 mm	✓ *	✓	✓ *		✓		✓		✓		✓		

*Optional/Bone types III and IV  

Helix Short GM® Implants

		4.0mm	5.5mm	7.0mm	8.5mm
Ø 3.75					
	Acqua	140.1082	140.1083	140.1084	140.1085
Ø 5.0					
	Acqua	140.1070	140.1071	140.1072	140.1073
Ø 4.0					
	Acqua	140.1066	140.1067	140.1068	140.1069
Ø 6.0					
	Acqua	140.1074	140.1075	140.1076	140.1077
Ø 7.0					
	Acqua	140.1078	140.1079	140.1080	140.1081

HS Cover Screw



117.025

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

Available in:



HS Mini Conical Abutment



Multiple-unit
screw-retained
prosthesis (bridge)



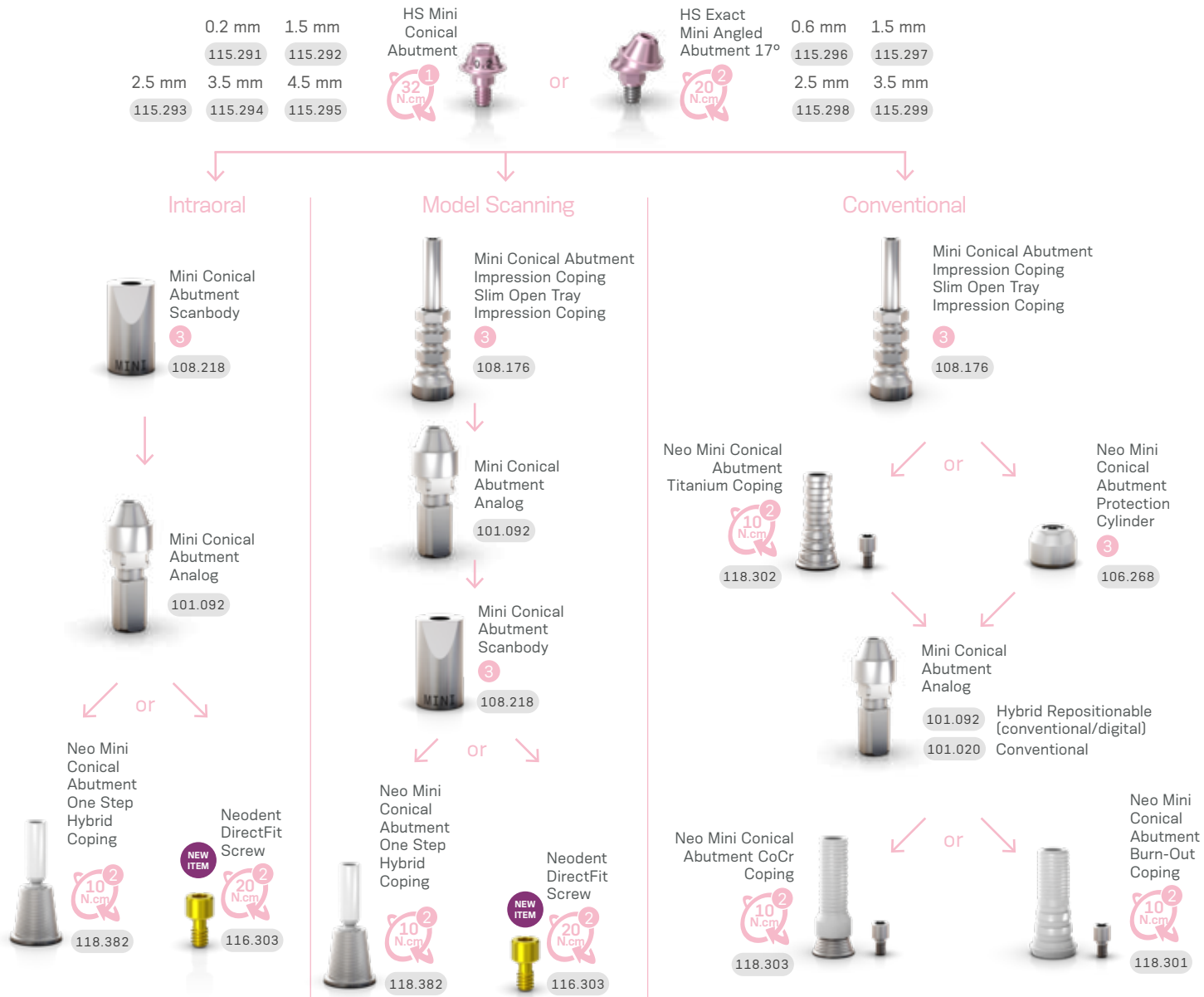
Ø 4.8 mm

Allow an additional
1.5 to 2.0 mm of
restorative material;

Minimum interocclusal space of
4.5 mm from the mucosa level;



Installation Sequence



Drivers

1 Hexagonal Prosthetic Driver + Torque Wrench

2 Neo Screwdriver Torque Connection + Torque Wrench

3 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



Single-unit
screw-retained
prosthesis (crown)



Single-unit
cement-retained
prosthesis (crown)




Ø 4.5 mm

Customizable up to 4 mm high;

Cementable Height: 4.0 and 6.0 mm;

Exact;

Neo Removable Screw.



Installation Sequence



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 Base for Bridge

Multi-unit screw-retained prosthesis

Multi-unit cement-retained prosthesis

Ø 4.8 mm

Cementable Area: 4.5mm;

With internal threads for a secure engagement of the screw;

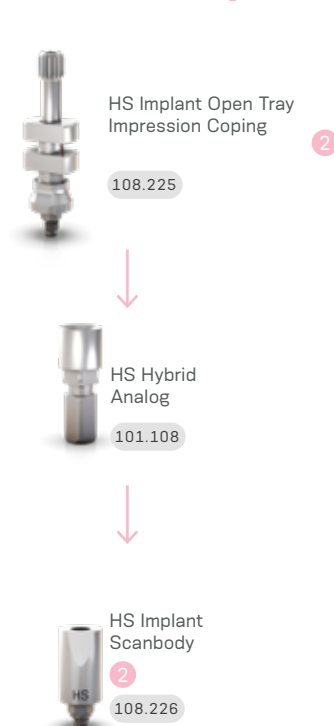
Neo Removable Screw.

Installation Sequence

Intraoral



Model Scanning



HS Titanium Base for Bridge

0.2 mm 1.5 mm 2.5 mm 3.5 mm

Ø 4.5 135.428 135.429 135.430 135.431

Drivers

1

Neo Screwdriver Torque Connection

2

Neo Screwdriver Torque Connection

Torque Wrench

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.

Consider a further 1.5 to 2.0 mm of restorative material;

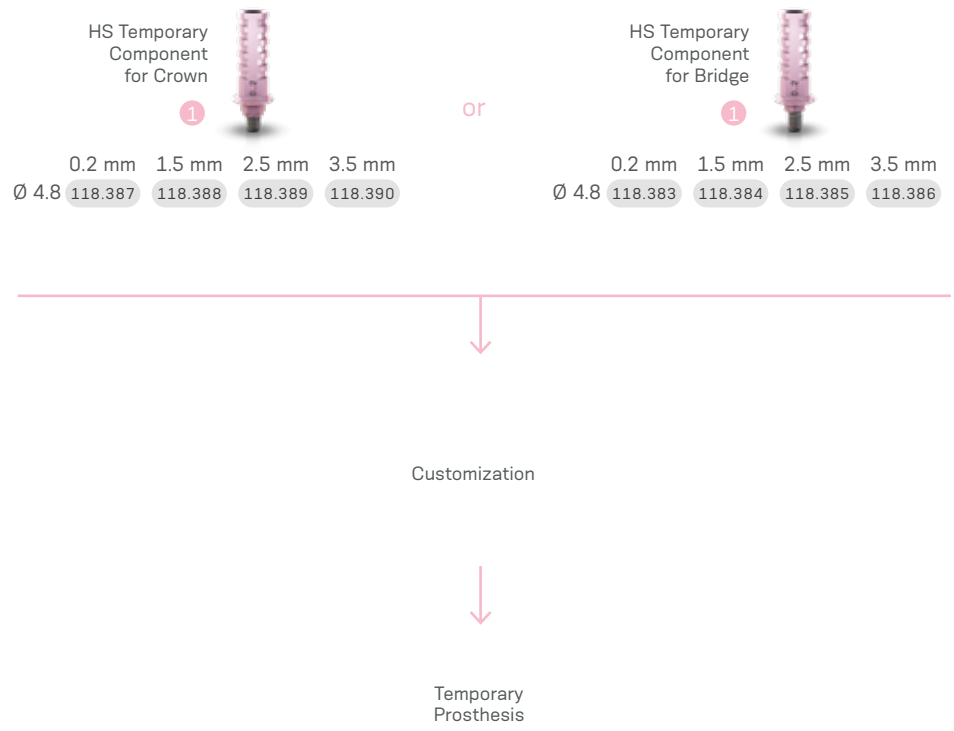
Channels of personalization;

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

Exact;

Removable screw.

Installation Sequence



Drivers

1

Neo Screwdriver Torque Connection

Torque Wrench

Accessories

HS Screws

116.296 Neo

116.297 Neo work

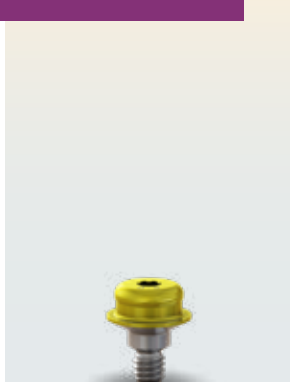
116.298 Neotorque®*

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

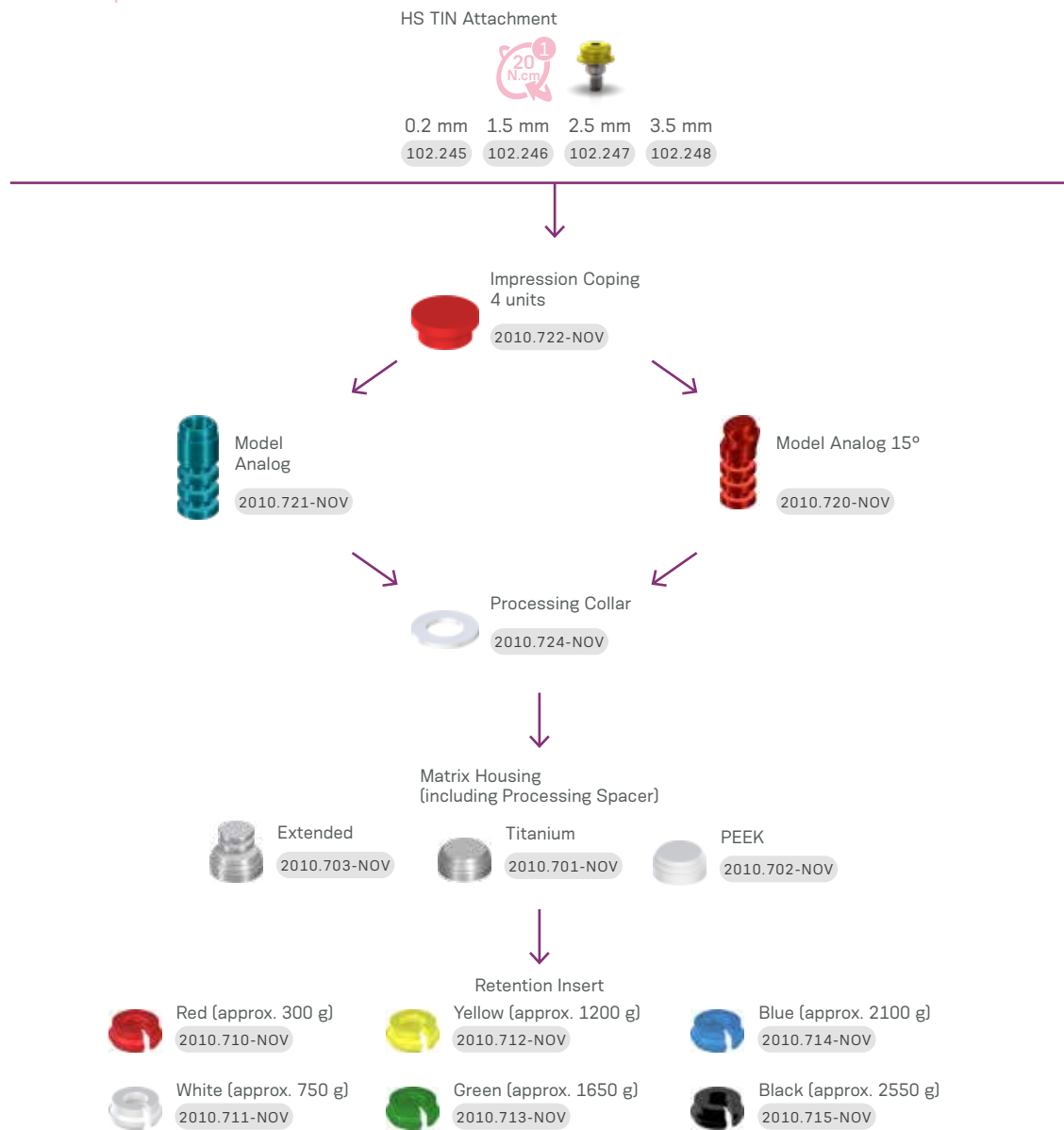
HS TIN Attachment



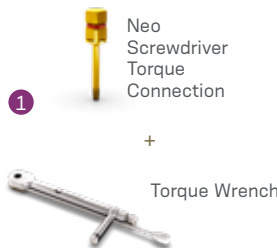
In-mouth capture recommended, one abutment at a time;
O-ring with Coping, Protection Disk included;
Allows angulation of up to 30° between two implants.



Installation Sequence



Drivers



Accessories



Kit

Helix Short

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.

Instruments

Helix Short



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.

Torque Wrench Regular	Torque Wrench Short	Torque Wrench Regular with Screw
105.137	105.044	105.009



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

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

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.

Drilling features:

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



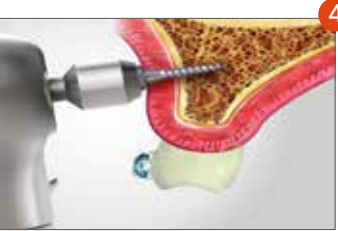
Orthodontic Anchorage Implant Package.



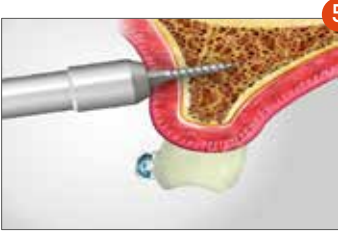
Remove the cap to access the implant.



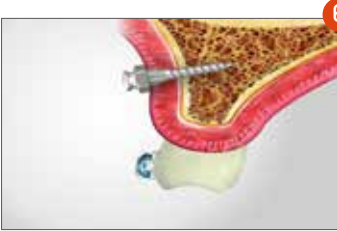
Implant capture with Orthodontic Anchorage Contra-Angle Connection.



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

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.



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				
6 mm 8 mm 10 mm 12 mm 14 mm					8 mm 10 mm 12 mm 14 mm				
Ø 1.5									
	116.194	116.196	116.198	116.199	116.200	116.210	116.211	116.212	116.213
Ø 2.0									
	116.203	116.205	116.207	116.209		116.214	116.215	116.216	
<div><div></div><div><div>Screw for Gingival Graft</div><div>5 mm</div><div>Ø 1.6 116.245</div></div></div>									



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

Neodent® Techniques

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

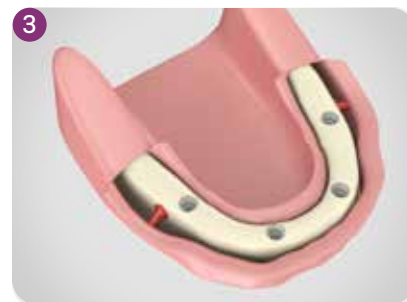
Demonstration Sequence



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.



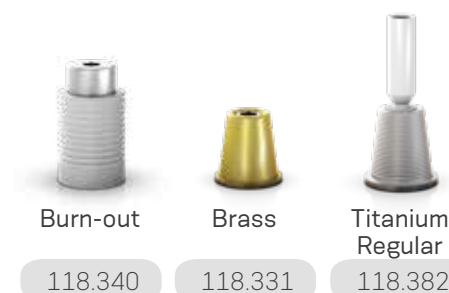
Removal of Multi-Functional Guide and placement of Analogs to the impression copings.



Working model with artificial gum.

Option 1 -Conventional Workflow for cast framework

Neo Mini Abutments Copings One Step Hybrid Technique



Working model with artificial gum.



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



Wax-up the framework.



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



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



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



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



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



Working model with artificial gum.



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



Design the zirconia bar in the CAD/CAM software.



Mill the zirconia bar.



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



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



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



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



Final framework.

Distal Bar Technique

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



118.382

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

Demonstration Sequence



1 Neodent® Abutments placed.



2 Prosthesis wearing, keeping posterior region integrity.



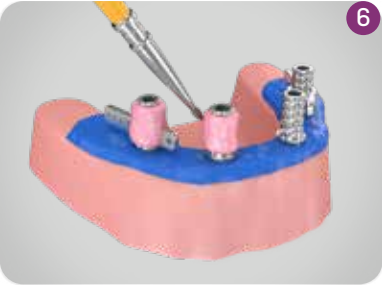
3 Place the copings into the central Implants and Distal Bar to distal Implants.



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

Neodent® Digital Libraries



Visit 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.

Scannable solutions

Neodent® scannable solutins can be used for scanning and digitalization of the patient or model providing accuracy in digital workflow.



- 108.181 GM Exact Implant Scanbody (for model)
- 108.183 GM Exact Implant Intraoral Scanbody
- 108.184 Zi Implant Scanbody (intraoral and model)
- 108.205 NGM Implant Scanbody
- 108.218 Mini Conical Abutment Scanbody (intraoral and model)
- 108.219 Micro Abutment (intraoral and model)
- 108.220 Abutment (intraoral and model)
- 108.199 CR Abutment Scanbody 4.0x5 (intraoral)
- 108.200 CR Abutment Scanbody 4.5x5 (intraoral)
- 108.143 Universal Abutment 3.3x4 (intraoral)
- 108.144 Universal Abutment 3.3x6 (intraoral)
- 108.145 Universal Abutment 4.5x4 (intraoral)
- 108.146 Universal Abutment 4.5x6 (intraoral)

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
- 101.080 Hybrid Repositionable Analog Zi Implant
- 101.106 Zi CR Abutment Analog 4.0x5
- 101.105 Zi CR Abutment Analog 4.5x5
- 101.107 NGM Hybrid Analog
- 101.108 HS Hybrid Analog

General Instruments

Torque Wrench

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

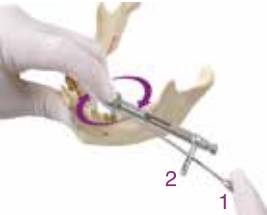
104.050



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



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



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

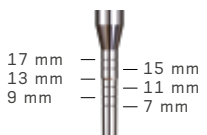


Bivers Handle

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

129.002

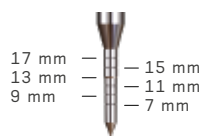




Concave Osteotome

- :: 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	2.5 mm	3.0 mm	3.5 mm	4.0 mm	4.5 mm
110.154	110.155	110.156	110.157	110.158	110.159



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	3.0 mm	3.5 mm
110.160	110.161	110.162	110.163

Osteotomes Kit Case

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

110.262






Surgical Hammer

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

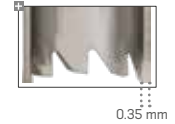
126.001



Trephine Bur

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

Ø 2.9	Ø 3.3	Ø 3.5	Ø 3.75
103.731	103.051	103.490	103.491
Ø 4.1	Ø 4.3	Ø 5.0	Ø 8.0
103.026	103.087	103.027	103.028






Sinus Lift Curette

- :: Available in surgical steel;
- :: Used to displace the Sinusal Membrane.


1	3	4	5	7
126.008	126.009	126.010	126.011	126.012



Complement Case

- :: Available in autoclavable polymer;
- :: Used to organize drills and auxilliary 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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