NEODENT®
PRODUCT CATALOGUE 2023

• ISSUE 01

30 years

Celebrating is a choice

Neodent® is celebrating its 30th anniversary! Over time, millions of smiles have been created in partnership with professionals worldwide. Throughout the years, the Neodent® continues to celebrate the choice of creating new smiles every day, to change lives of patients in more than 80 countries where the brand is present.

Focused on ease of use, Neodent® Dental Implant Systems works on progressive treatment concepts such as immediacy with modern and reliable solutions to make implant dentistry possible. As the leader in immediate treatment, Neodent® has developed unique features taking into account the key biological principles designed to maximize predictability and achieve long-lasting results.

neodent.com/30years

Many reasons to celebrate

Impact on people's lives
From an idea to the reality of millions of smiles.

Technology and the future
From the possibility of restoration to immediate charging.
From traditional to digital flow.

Continuous improvement and innovation
From the first implant to GM and Zi.

Implantology 360 degrees
From conventional to digital and from laboratory to patient.

Expansion
From family business to multinational.
From Brazil to the world.

Connection with the sector

From 1 to 200 thousand dentists.

6th Neodent® Congress

The biggest event in Neodent® history where we will also celebrate the 30th anniversary.

ILAPEO

The partnership and cooperation between Neodent® and ILAPEO seeks to promote continuous education based on clinical and scientific evidence.

Neodent® GlobalPlay

Online and on demand content for your learning and improvement.

Solutions

Neodent® has proven product concepts and efficient treatment options, made by a dentist to dentists and focused on ease of use.

The choices we make write our history

30 years of history that makes Neodent a company with a complete portfolio and the best innovative solutions for our costumers.

We built a legacy on quality and excellence, and today we are leading the way for the future of dentistry, being the most reliable and innovative partner for dentists all over the world.

The focus on our customers and the quality of our products is our passion, and with each passing year we expand our worldwide presence.

Our mission is to transform lives by creating new smiles every day.

Matthias Schupp • CEO of Neodent®

30 years of creating new smiles every day, an achievement that deserves a great celebration.

I am proud to see how much we have grown over time since our foundation, in 1993, until our first ceramic implant system, in 2022. I just see reasons to smile.

In 2015, with the full acquisition by Straumman Group, we started to spread our philosophy around the world and the gratitude to see Neodent present in over 80 countries with great results makes me happy and excited for the next years.

My commitment is that Neodent® keeps improving technology and solutions, with the purpose to enhance patients' life quality, in partnership with dedicated professionals, creating smiles every day.

I would like to thank everybody who was been part of our history until now and I invite you to celebrate with us the evolution of implantology, technology, the dentistry market, esthetics, patients, and Neodent®.

Dr. Geninho Thomé • Founder of Neodent®

NEODENT 30 years

Ceramic
Implant System

Increasing expectations for esthetic treatments with shorter duration time, the Neodent® Ceramic Implant System combines the notions of flexibility, stability, and esthetic. This metal-free solution allows to immediately treat patients with high-end esthetic, thanks to the modern naturally tapered Ceramic implant design, with comprehensive ceramic prosthetic portfolio.

A new **mindset**

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

30 years

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 demanding treatments, the Ceramic Implant System delivers the flexibility of a 2-pieces connection combined with a strong screw-retained ceramic-ceramic connection.

RELIABLE AND STRONG CERAMIC SYSTEM

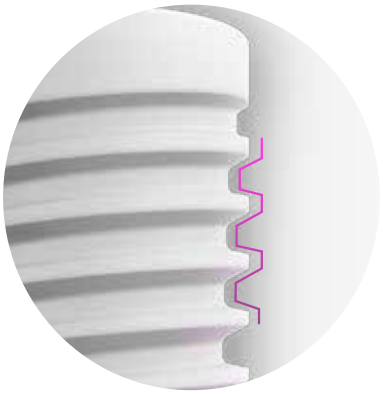
The unique patented ZiLock® connection is designed with a longer screw which provides a secure engagement between the ceramic implant and the ceramic abutment. Additionally, it improves the ceramic performance by optimizing the force distribution along the internal connection.

FRIENDLY ZILOCK® CONNECTION

ZiLock® is a ceramic straight internal connection with 6 lobes and 6 points. This indexation results in a precise abutment positioning, protecting against rotation. The outcome is a user-friendly system that provides higher treatment flexibility when compared to one-piece implants.

A new **stability mindset**

Aiming to achieve stable immediate protocols, Zi combines a naturally tapered implant design and implant treated surface. Both designed to maximize stability and predictability in immediate treatments.



Double trapezoidal thread design.

TAPERED DESIGN FOR PRIMARY STABILITY

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

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.

30 years

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."

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 achieve superior esthetic results, Neodent® Ceramic Implant System seeks to offer outstanding natural performance, featuring a superior ceramic material, that supports a natural outcome of reconstruction due to its color that mimics natural teeth, and benefit from a high translucency compared to metals.

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.

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

Neodent® Zi Implant Packaging

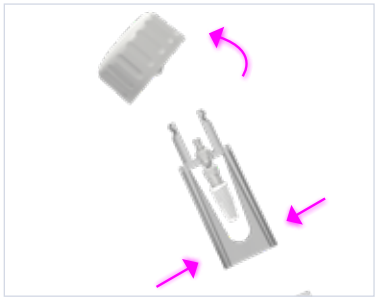
Neodent® packaging has been specially updated for easy handling and seeking to achieve a safe surgical procedure, providing practicality from implant stocking to the capture and transport and implant bed. The implant's features, such as type, diameter and length, are readily identifiable on the outside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

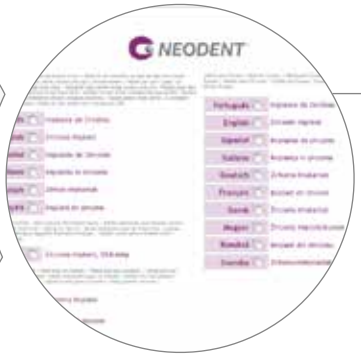
Access: ifu.neodent.com.br/en

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

2 Enter in the fieldsearch the article number.

3 The search result is presented below search field, informing the IFU code, the name of the product and countries where the IFU is valid.

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



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

Zi
Implant

PRODUCT FEATURES:

Implants Description:

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

Indications:

- Indicated for all types of bone density

Drilling features:

- Drilling speed: 800-1200 rpm for bone types I and II
- Drilling speed: 500-800 rpm for bone types III and IV.
- Countersink is required if used in bone types I, II and III with 300rpm.
- Bone tap is required if used in bone types I and II: 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	Ø 3.75	Countersink Ø 3.75	Bone Tap Ø 3.75	Ø 4.3	Countersink Ø 4.3	Bone Tap Ø 4.3
	103.170	103.425	short 103.562 medium 103.561 long 103.563	short 103.565 medium 103.564 long 103.566	103.488	111.046	short 103.571 medium 103.570 long 103.572	103.450	111.048
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

Zi **Implants**

	10.0 mm	11.5 mm	13.0 mm
Ø 3.75	180.002	180.003	180.004
Ø 4.3	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

Installation Sequence

	1.5 mm	2.5 mm
Ø 4.0	114.888	114.889
Ø 4.5	114.886	114.887

Peek CR Abutment

1 10 N.cm

Impression Coping CR Abutment

Ø 4.0 108.201

Ø 4.5 108.202

Provisional Coping CR Abutment

Ø 4.0 108.201

Ø 4.5 108.202

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

Zi CR Abutment Analog

Ø 4.0 101.106

Ø 4.5 101.105

Drivers

1

Neo Screwdriver Torque Connection

+

Torque Wrench

Zi Base

Single-unit screw-retained prosthesis

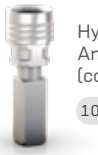
Single-unit cement-retained prosthesis

Ø 3.75/4.5 mm

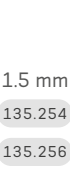
Installation Sequence

Intraoral scanning

Zi Implant Scanbody
2
108.222



Hybrid Repositionable Analog Zi Implant (conventional/digital)
101.080



	1.5 mm	2.5 mm
Ø 3.75	135.254	135.255
Ø 4.5	135.256	135.257

Zi Base
1
32 N.cm

Model Scanning

Zi Implant Exact Impression Coping Open and Closed Tray
2

	Closed	Open
Regular	108.186	108.188
Long	108.187	108.189

Hybrid Repositionable Analog Zi Implant (conventional/digital)
101.080

Zi Implant Scanbody
2
108.222

Conventional

Zi Implant Exact Impression Coping Open and Closed Tray
2

	Closed	Open
Regular	108.186	108.188
Long	108.187	108.189

Hybrid Repositionable Analog Zi Implant (conventional/digital)
101.080

	1.5 mm	2.5 mm
Ø 3.75	135.254	135.255
Ø 4.5	135.256	135.257

Zi Base
1
32 N.cm

Burn-out coping Zi Base

Ø 3.75	118.343
Ø 4.5	118.325

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 mm;

ZiLock® connection;

Removable screw.

Installation Sequence

Zi Base for C

	1.5 mm	2.5 mm
Ø 4.65	135.258	135.259

→ Intraoral Scanning with scanbodies provided by Dentsply Sirona → Finalized Prosthesis

Workflow

Step 1

Gingiva height selection and ordering.

Select the Zi Base for C gingival height. →

Order the Zi Base for C.

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

Step 2

Intra-oral scanning.

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

Insert scanbody on the Zi Base for C.

Step 3

Design and milling.

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

Mill the digital design.

Step 4

Finalization and fixation.

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

CEREC digital library compatibility

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

Drivers

1 Neo Screwdriver Torque Connection + Torque Wrench

Accessories

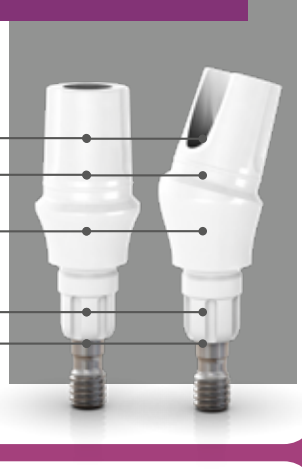
Abutment replacement screw

116.289

Zi CR Abutment

Single-unit cement-retained prosthesis

Ø 4.0/4.5 mm



Neo screwdriver connection;

Chimney height: 5.0 mm;

Gingiva height: 1.5 & 2.5 mm;

ZiLock® Connection;

Removable screw.

Installation Sequence

Zi CR Abutment Straight

	1.5 mm	2.5 mm
Ø 4.0	114.854	114.855
Ø 4.5	114.856	114.857

Zi CR Abutment Angulated 17º

	1.5 mm	2.5 mm
Ø 4.0	114.858	114.859
Ø 4.5	114.860	114.861

Intraoral

Zi CR Abutment Scanbody

Ø 4.0 108.199

Ø 4.5 108.200

Zi CR Abutment Analog

Ø 4.0 101.106

Ø 4.5 101.105

Milled Crown

Conventional

Impression Coping CR Abutment

Ø 4.0 108.201

Ø 4.5 108.202

Provisional Coping CR Abutment

Ø 4.0 108.201

Ø 4.5 108.202

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

Zi CR Abutment Analog

Ø 4.0 101.106

Ø 4.5 101.105

Zi CR Abutment Burn Out Coping

Ø 4.0 118.367

Ø 4.5 118.368

Drivers

1 Neo Screwdriver Torque Connection

+ Torque Wrench

Accessories

Abutment replacement screw

116.289

Zi Implant System **Kit**

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
103.488	Countersink Drill For Zirconia Implant 3.75
103.450	Countersink Drill For Zirconia Implant 4.3
104.050	Torque Wrench Driver
111.046	Bone Tap For Zirconia Implant 3.75
111.048	Bone Tap For Zirconia Implant 4.3
103.170	Initial drill Ø2.0 medium
103.561	Tapered Drill Ø3.5
103.564	Tapered Drill Ø3.75
103.570	Tapered Drill Ø4.3
103.492	Tapered Drill Ø2.0
103.426	Drill extender
104.060	Neo Manual Screwdriver (medium)
105.001	Smart/ws Implant Driver - Torque Wrench (short)
105.002	Smart/ws Implant Driver - Contra-angle
105.018	Hex Connection - Torque Wrench (long)
105.132	Neo Screwdriver Torque Connection
128.020	Direction indicator Ø3.75
128.022	Direction indicator Ø4.3
129.020	Tapered X-ray Positioner 3.75
129.013	Tapered X-ray Positioner 4.3
103.428	Zi Bone Profile Drill With Guide

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

Zi Implant System
Instruments

Initial Drill

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

103.170

Tapered Drills

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

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

Countersink Drills

:: Available in surgical steel;

103.488 Ø3.75
103.450 Ø4.3

Bone Tap

:: Available in surgical steel;

111.046 Ø3.75
111.048 Ø4.3

Torque Wrench

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

104.050

Neo Screwdriver Torque Connection - Torque Wrench

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

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

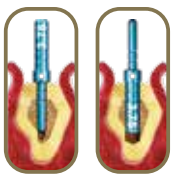
Neo Manual Screwdriver

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

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

Direction Indicators

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



3.0/3.75 128.020 3.6/4.3 128.022

Drill Extension

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

103.426

Zi 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.

103.428

Tapered X-Ray Positioner

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

Ø3.75	Ø4.3
129.020	129.013

Grand Morse®

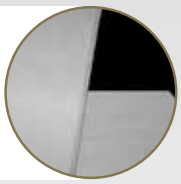
GREATNESS IS AN ACHIEVEMENT

GRAND RELIABILITY

STABLE AND STRONG FOUNDATION
DESIGNED FOR LONG TERM SUCCESS

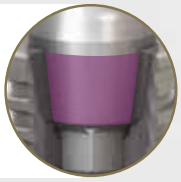
The implant-abutment interface is crucial for a successful long term functional and esthetic result. The Neodent® Grand Morse® connection offers a unique combination based on proven concepts: a platform switching associated with a deep 16° Morse Taper including an internal indexation for a strong and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

1 Platform Switching
Abutment design with a narrower diameter than the implant coronal area, enabling the platform switching concept[5-9].

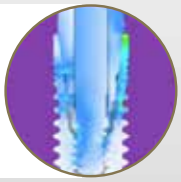


2 Internal Indexation
Precise abutment positioning, protection against rotation and easy handling.

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



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



30 years

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.

30 years

DR MICHELE ANTONIO LOPEZ, from Italy

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

GRAND STABILITY

STABLE AND STRONG FOUNDATION DESIGNED FOR LONG TERM SUCCESS

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

HELIX® - OPTIMAL IMPLANT DESIGNED TO ACHIEVE HIGH PRIMARY STABILITY

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

Fully tapered body design

- Coronal: 2° - 12°
- Apex: 16°

» **Allowing under-osteotomy**

Hybrid contour

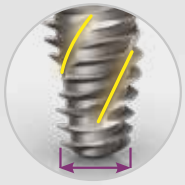
- Coronal: Cylindrical
- Apex: Conical

» **For stability with vertical placement flexibility**

Active apex

- Soft rounded small tip
- Helical flutes

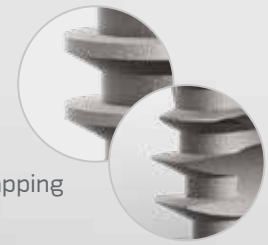
» **Enabling immediate loading**



Dynamic progressive thread design

- Coronal: Trapezoidal > compressing
- Apex: V-Shape > Self-tapping

» **Achieving high primary stability in all bone types**



Acqua hydrophilic surface

Designed for high treatment predictability

acqua

Titamax®

Vertical placement flexibility. Bone types I & II.

Drive®

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

GRAND ESTHETICS

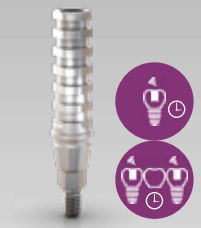
DELIVER IMMEDIATE NATURAL ESTHETICS

30 years

DR PAULO CARVALHO, from Portugal

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

Nowadays, patients expect both short treatment times and esthetic results. The Neodent® Grand Morse® restorative portfolio offers flexibility to simplify soft tissue management respecting the biological distances for achieving immediate function and esthetics.


Titanium Temporary Abutment

Pro-Peek Abutment

Titanium Base

Titanium Base C

Titanium Base for Bridge

Titanium Block (AG or Medentika Holder)

CoCr Abutment

Anatomic Abutment (straight and angled)

Universal Abutment (straight and angled)

Abutment

Angled Mini Conical Abutment

Novaloc (straight and angled)

Titanium Base AS

Straight Mini Conical Abutment

Micro Abutment

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

Overdenture

Multiple-unit screw-retained prosthesis

Multiple-unit cement-retained prosthesis

Temporary

Neodent® Grand Morse Implant Packaging

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

Package instruction of use

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

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

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

4. While gripping the implant carrirer, 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.

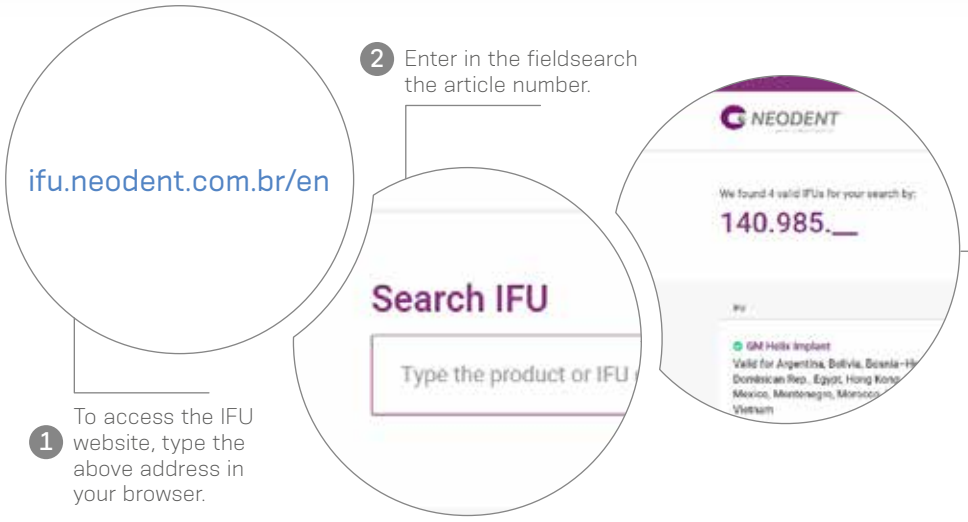
6. The implant can now be transported to the surgical site.

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



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

2 Enter in the fieldsearch the article number.

3 The search result is presented below search field, informing the IFU code, the name of the product and countries where the IFU is valid.

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

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

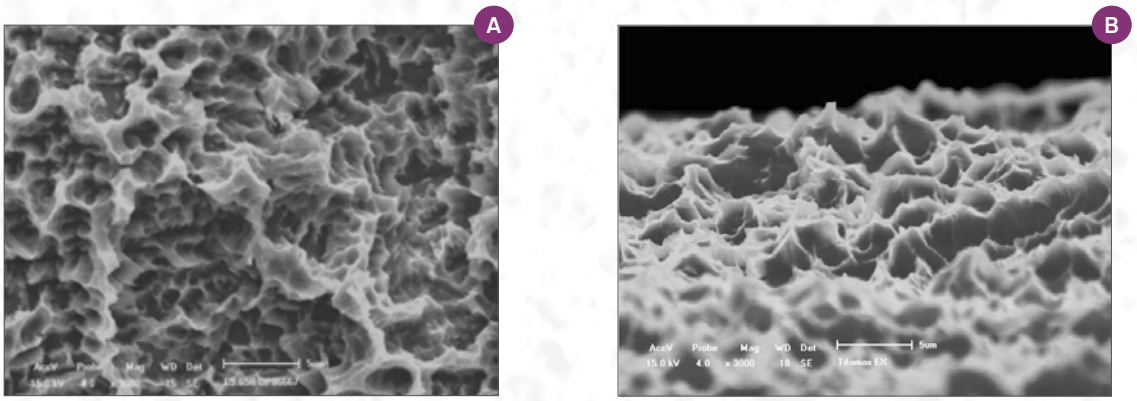
NeoPoros

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).

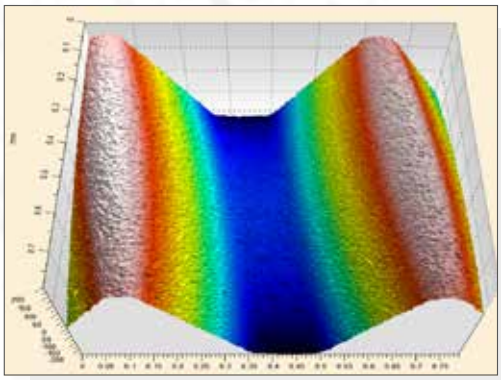


Image taken by confocal microscopy.
Roughness and Microtopography.
(Sa= 0,3 – 1,3 µm; Sz= 6,0 - 15,5 µm).

30 years

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.

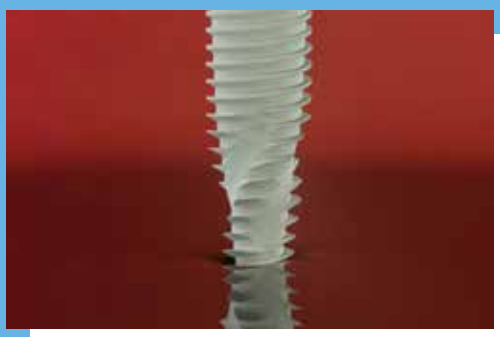
The Neodent® Acqua hydrophilic surface is the next level of the highly successful S.L.A. type of surface developed to achieve successful outcomes even in challenging situations, such as soft bone or immediate protocols.[1-4]

Hydrophilicity

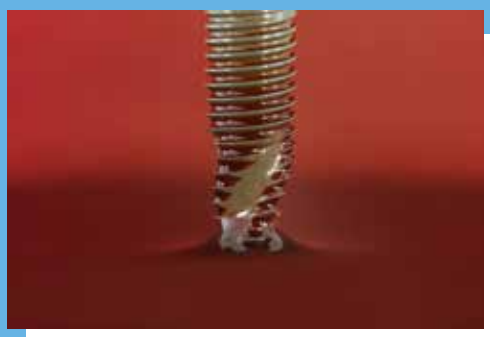
The hydrophilic surface presents a smaller contact angle when in contact with hydrophilic liquids. This provides greater accessibility of organic fluids to Acqua implant surface.[2]

Surface comparison

Lab generated images.



NeoPoros surface.



Acqua Hydrophilic Surface.

30 years

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."

Neodent easypack

GROW WITH PEACE OF MIND

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

GROW WITH CONFIDENCE

Choose a brand and products you can rely on

GROW WITH CONVENIENCE

The certainty of having everything in one package

GROW WITH GUIDANCE

All workflows in simple steps

THE NEODENT® EASYPACK INCLUDES

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

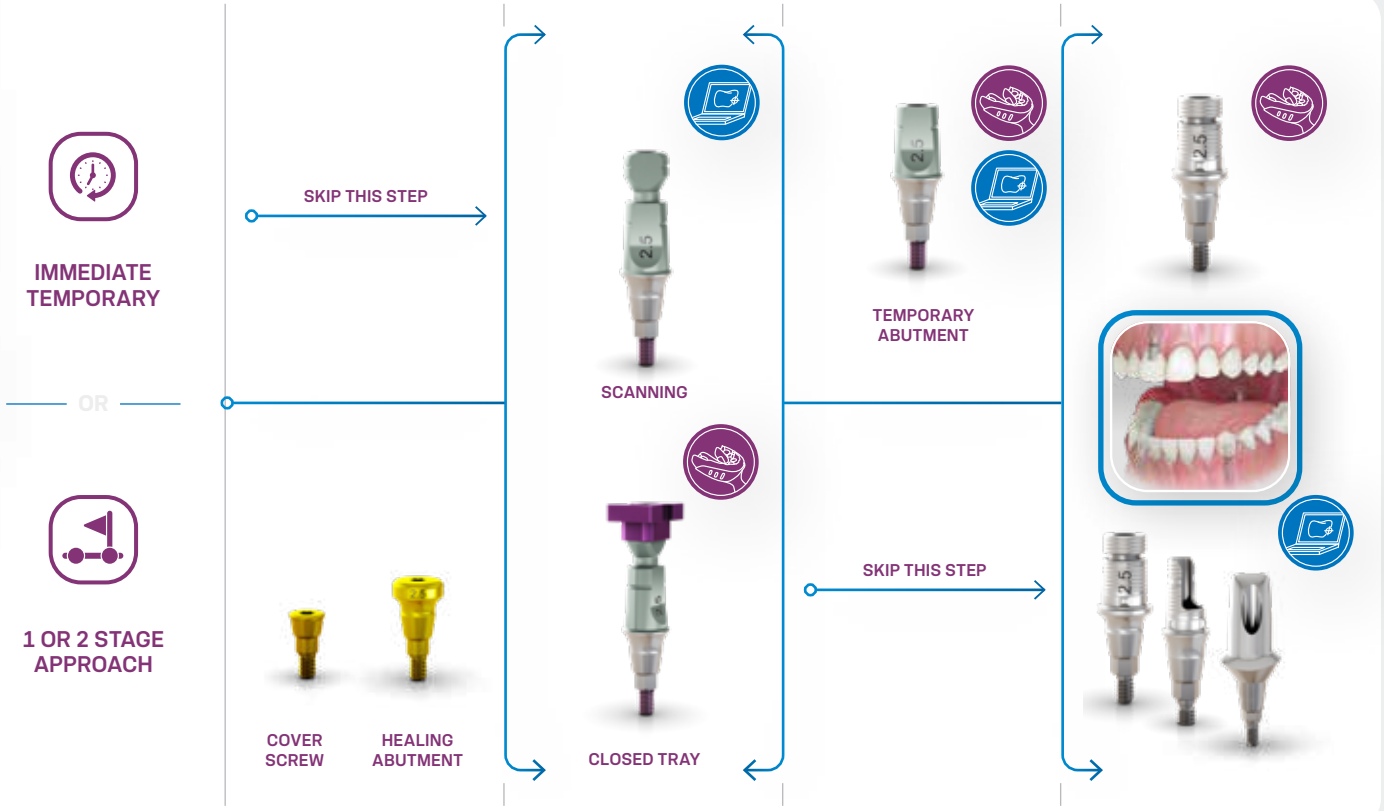
CONVENTIONAL WORKFLOW

DIGITAL WORKFLOW

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

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

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



NEODENT® EASYPACK PRODUCT OPTIONS

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

GM Cover Screw
0 mm

GM Healing Abutment*
Ø 4.5 X 2.5 mm
Ø 5.5 X 2.5 mm

GM Hybrid Repositionable Analog*
Ø 3.5/3.75
Ø 4.0/4.3
Ø 5.0/6.0

GM Smart Abutment*
Ø 4.5 X 2.5 mm
Ø 5.5 X 2.5 mm

*according to implant diameter

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 acqua

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
8.0	140.943	109.943
10.0	140.944	109.944
11.5	140.945	109.945
13.0	140.946	109.946
16.0	140.947	109.947
18.0	140.988	109.988

Ø 3.75	Acqua	NeoPoros
8.0	140.976	109.976
10.0	140.977	109.977
11.5	140.978	109.978
13.0	140.979	109.979
16.0	140.980	109.980
18.0	140.981	109.981

Ø 4.0	Acqua	NeoPoros
8.0	140.982	109.982
10.0	140.983	109.983
11.5	140.984	109.984
13.0	140.985	109.985
16.0	140.986	109.986
18.0	140.987	109.987

Ø 4.3	Acqua	NeoPoros
8.0	140.948	109.948
10.0	140.949	109.949
11.5	140.950	109.950
13.0	140.951	109.951
16.0	140.952	109.952
18.0	140.989	109.989

Ø 5.0	Acqua	NeoPoros
8.0	140.953	109.953
10.0	140.954	109.954
11.5	140.955	109.955
13.0	140.956	109.956
16.0	140.957	109.957
18.0	140.990	109.990

Ø 6.0	Acqua	NeoPoros
8.0	140.1009	109.1009
10.0	140.1010	109.1010
11.5	140.1011	109.1011
13.0	140.1012	109.1012

Ø 7.0	Acqua	NeoPoros
8.0	140.1059	109.1059
10.0	140.1060	109.1060
11.5	140.1061	109.1061
13.0	140.1062	109.1062

GM Cover Screw

0 mm	2 mm
117.021	117.022

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

GM Healing Abutment

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

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

GM Customizable Healing Abutment

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

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

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.

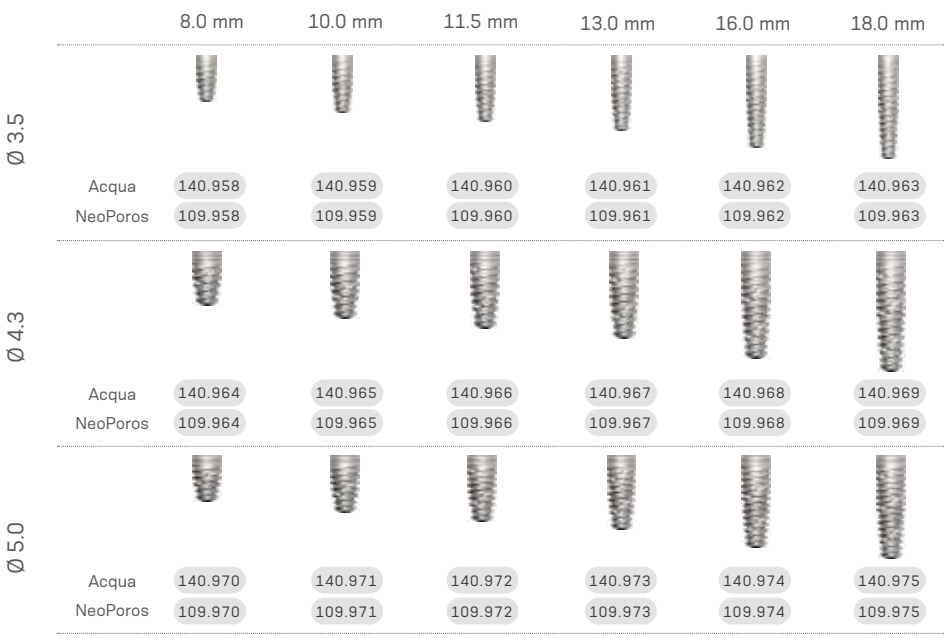
NeoPoros or acqua®

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

Titamax **GM®**

PRODUCT FEATURES:

Implants Description:

- Cylindrical implant (parallel walls);
- V-shape threads;
- Double threaded implant;
- Self tapping apex;
- Grand Morse® connection.

Indications:

- Indicated for bone types I and II or grafted areas such as bone block.

Drilling features:

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

Available with:

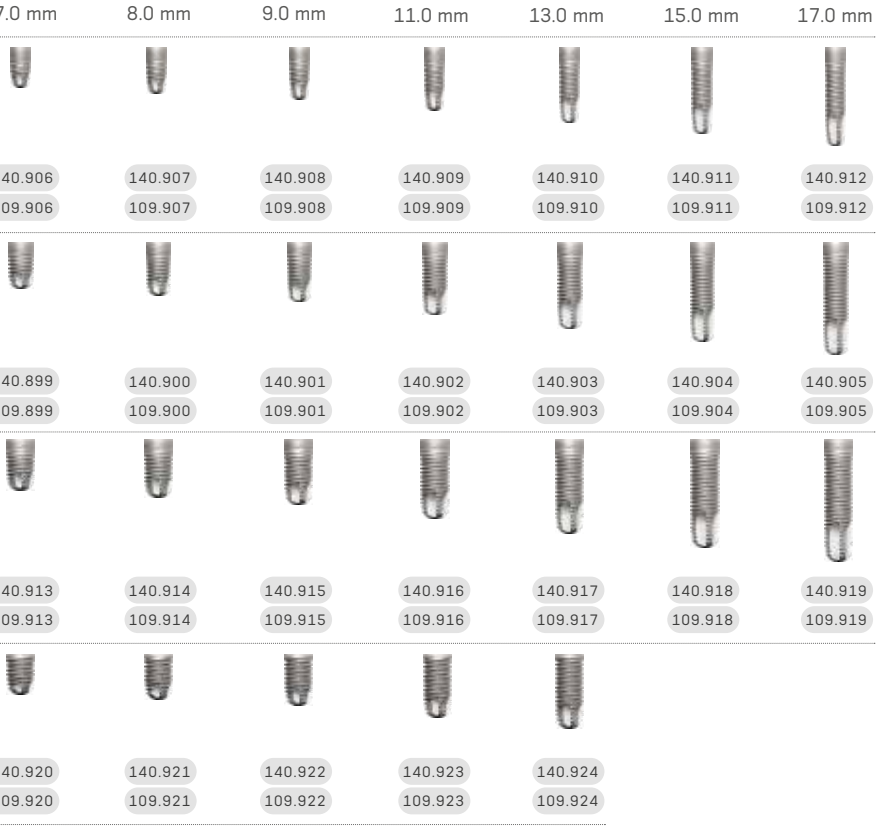
NeoPoros or acqua®

Drill Sequence

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

Bone types I and II

Titamax **GM®** Implants



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

GM Cover Screw

0 mm	2 mm
117.021	117.022

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

GM Healing Abutment

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

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

GM Customizable Healing Abutments

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

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
115.269	115.270	115.271
3.5 mm	4.5 mm	
115.272	115.273	

GM Exact Abutment with Neo Removable Screw

20 N.cm 1

Intraoral

Abutment Scanbody 2

108.220

GM Abutment Hybrid Repositionable Analog

101.101

GM Abutment Coping for Crown - Digital Workflow

10 N.cm 1

118.362

Model Scanning

GM Abutment Impression Coping Closed Tray 2

108.179

GM Abutment Hybrid Repositionable Analog

101.101

Abutment Scanbody 2

108.220

GM Abutment Coping for Crown - Digital Workflow

10 N.cm 1

118.362

Conventional

GM Abutment Impression Coping Closed Tray 2

108.179

Neo Abutment Titanium Coping

10 N.cm 1

118.300

or

Neo Abutment Protection Cylinder 2

106.221

Abutment Analog

101.101 Hybrid Repositionable (conventional/digital)

Neo Abutment CoCr Coping

10 N.cm 1

118.299

or

Neo Abutment Burn-out Coping

10 N.cm 1

118.298

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 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 (1) 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 (2) 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

Intraoral

Mini Conical Abutment Scanbody (3) 108.218

Mini Conical Abutment Hybrid Repositionable Analog 101.092

Neo Mini Conical Abutment One Step Hybrid Coping 10 N.cm (2) 118.382

Model Scanning

Slim Mini Conical Abutment Open Tray Impression Coping (3) 108.176

Mini Conical Abutment Hybrid Repositionable Analog 101.092

Mini Conical Abutment Scanbody (3) 108.218

Neo Mini Conical Abutment One Step Hybrid Coping 10 N.cm (2) 118.382

Conventional

Slim Mini Conical Abutment Open Tray Impression Coping (3) 108.176

Neo Mini Conical Abutment Titanium Coping 10 N.cm (2) 118.302

or

Neo Mini Conical Abutment Protection Cylinder (3) 106.268

Mini Conical Abutment Analog

101.092 Hybrid Repositionable (conventional/digital)

101.020 Conventional

Neo Mini Conical Abutment CoCr Coping 10 N.cm (2) 118.303

or

Neo Mini Conical Abutment Burn-out Coping 10 N.cm (2) 118.301

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 0.8-2.5 GH

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

Mini Conical Abutment Polishing Protector

123.008

Replacement Coping Screw

116.269 Titanium

116.270 Neotorque*

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

GM Micro Abutment

Single-unit screw-retained prosthesis

Multiple-unit screw-retained prosthesis

Ø 3.5 mm

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

Minimum interocclusal space of 3.5 mm from the mucosa level.

Recommended for limited spaces and narrow inter-dental spaces.

Installation Sequence

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

GM Micro Abutment — 32 N.cm (1)

Intraoral

Micro Abutment Scanbody (3) — 108.219

Micro Abutment Hybrid Repositionable Analog — 101.091

or

Neo Micro Conical Abutment One Step Hybrid Coping — 10 N.cm (2) — 118.381

GM Micro Abutment Coping for Crown Digital Workflow — 10 N.cm (2) — 118.363

Model Scanning

Micro Abutment Impression Coping Closed Tray for single-unit prosthesis — 108.182
Open Tray Slim for multiple-unit prosthesis — 108.178 (3)

Micro Abutment Hybrid Repositionable Analog — 101.091

Micro Abutment Scanbody (3) — 108.219

or

Neo Micro Conical Abutment One Step Hybrid Coping — 10 N.cm (2) — 118.381

GM Micro Abutment Coping for Crown Digital Workflow — 10 N.cm (2) — 118.363

Conventional

Micro Abutment Impression Coping Closed Tray for single-unit prosthesis — 108.182
Open Tray Slim for multiple-unit prosthesis — 108.178 (3)

or

Neo Micro Abutment Titanium Coping — 10 N.cm (2)
Bridge 118.297
Crown 118.317

Neo Micro Abutment Protection Cylinder (3) — 106.267

Micro Abutment Analog — 101.091 — Hybrid Repositionable (conventional/digital)

or

Neo Micro Abutment CoCr Coping — 10 N.cm (2)
Bridge 118.296
Crown 118.316

Neo Micro Abutment Burn-out Coping — 10 N.cm (2)
118.295 Bridge
118.315 Crown

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.

GM Anatomic Abutment

Single-unit cement-retained prosthesis

Recommended for anterior region.

Installation Sequence

In Mouth

GM Exact Click Anatomic Abutment with Neo Removable Screw

	1.5 mm	2.5 mm	3.5 mm
17°	114.862	114.863	114.864
	114.865	114.866	114.867

or

GM Exact Click Narrow Anatomic Abutment with Neo Removable Screw

	1.5 mm	2.5 mm	3.5 mm
17°	114.868	114.869	114.870
	114.871	114.872	114.873

GM Exact Click Anatomic Abutment Provisional Coping

118.334
118.335 Narrow

Impression of the GM Exact Click Anatomic Abutment

Lab stage

Finalized prosthesis

In Lab

GM Implant Exact Impression Coping Closed and Open Tray (2)

Regular	108.160	108.162
Long	108.161	108.163

GM Implant Analog

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

GM Exact Click Anatomic Abutment Provisional Coping

118.334
118.335 Narrow

GM Exact Click Anatomic Abutment with Neo Removable Screw

	1.5 mm	2.5 mm	3.5 mm
17°	114.862	114.863	114.864
	114.865	114.866	114.867

or

GM Exact Click Narrow Anatomic Abutment with Neo Removable Screw

	1.5 mm	2.5 mm	3.5 mm
17°	114.868	114.869	114.870
	114.871	114.872	114.873

Drivers

1 Neo Screwdriver Torque Connection +

Torque Wrench

2 Neo Screwdriver Torque Connection +

Manual Screwdriver Torque

Accessories

Replacement Abutment Screw

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

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

GM 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 Removalble Screw.

Installation Sequence

GM Exact Click Universal Abutment with Removable Screw

		0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
4 mm	Ø 3.3	114.826	114.827	114.828	114.829	114.830	114.831
	Ø 4.5	114.838	114.839	114.840	114.841	114.842	114.843
6 mm	Ø 3.3	114.832	114.833	114.834	114.835	114.836	114.837
	Ø 4.5	114.844	114.845	114.846	114.847	114.848	114.849

or

GM Exact Click Universal Abutment 17º with Removable Screw

		1.5 mm	2.5 mm	3.5 mm
4 mm	Ø 3.3	114.802	114.803	114.804
	Ø 4.5	114.808	114.809	114.810
6 mm	Ø 3.3	114.805	114.806	114.807
	Ø 4.5	114.811	114.812	114.813

or

GM Exact Click Universal Abutment 30º with Removable Screw

		1.5 mm	2.5 mm	3.5 mm
4 mm	Ø 3.3	114.814	114.815	114.816
	Ø 4.5	114.820	114.821	114.822
6 mm	Ø 3.3	114.817	114.818	114.819
	Ø 4.5	114.823	114.824	114.825

Intraoral

Universal Abutment Intraoral Scanbody

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

Universal abutment Hybrid Repositionable analog

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

Milled crown

Conventional

Click Universal Abutment Impression Coping

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

Click Universal Abutment Provisional Coping

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

Universal Abutment Analog

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

Hybrid Repositionable (conventional/digital)

Universal Abutment Burn-out Coping

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

Intraoral

GM Implant Intraoral Scanbody 2

108.207

GM Implant Analog

Ø 3.5/3.75	Ø 4.0/4.3	Ø 5.0/6.0
101.103	101.089	101.090

Hybrid Repositionable (conventional/digital)

Model Scanning

GM Implant Exact Impression Coping Closed and Open Tray 2

Regular	108.160	108.162
Long	108.161	108.163

GM Implant Analog

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

GM Implant Intraoral Scanbody 2

108.207

Conventional

GM Implant Exact Impression Coping Closed and Open Tray 2

Regular	108.160	108.162
Long	108.161	108.163

GM Implant Analog

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

GM Exact Titanium Base with Removable Screw 4mm

	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm
Ø 3.5	135.355	135.356	135.357	135.358	135.359
Ø 4.5	135.367	135.368	135.369	135.370	135.371
Ø 5.5	135.379	135.380	135.381	135.382	135.383
Ø 6.5		135.391	135.392	135.393	135.394

GM Exact Titanium Base with Removable Screw 6mm

	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm
Ø 3.5	135.361	135.362	135.363	135.364	135.365
Ø 4.5	135.373	135.374	135.375	135.376	135.377
Ø 5.5	135.385	135.386	135.387	135.388	135.389
Ø 6.5		135.395	135.396	135.397	135.398

GM Exact Titanium Base with Removable Screw 4mm

	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm
Ø 3.5	135.355	135.356	135.357	135.358	135.359
Ø 4.5	135.367	135.368	135.369	135.370	135.371
Ø 5.5	135.379	135.380	135.381	135.382	135.383
Ø 6.5		135.391	135.392	135.393	135.394

GM Exact Titanium Base with Removable Screw 6mm

	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm
Ø 3.5	135.361	135.362	135.363	135.364	135.365
Ø 4.5	135.373	135.374	135.375	135.376	135.377
Ø 5.5	135.385	135.386	135.387	135.388	135.389
Ø 6.5		135.395	135.396	135.397	135.398

GM Titanium Base Burn-out Coping

Ø 3.5	Ø 4.5	Ø 5.5	
118.322	118.325	118.329	4.0 mm
118.323	118.327	118.342	6.0 mm

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 for Bridge

Multiple-unit screw-retained prosthesis

Multiple-unit cement-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

GM Implant Intraoral Scanbody
2
108.207

GM Implant Analog

Ø 3.5/3.75	Ø 4.0/4.3	Ø 5.0/6.0
101.103	101.089	101.090

Hybrid Repositionable (conventional/digital)

Model Scanning

GM Implant Exact Impression Coping Open Tray
2

Regular 108.158
Long 108.159

GM Implant Analog

Ø 3.5/3.75	Ø 4.0/4.3	Ø 5.0/6.0
101.103	101.089	101.090

Hybrid Repositionable (conventional/digital)

GM Implant Intraoral Scanbody
2
108.207

GM Titanium Base for Bridge
1
20 N.cm

	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm
Ø 3.5	135.399	135.400	135.401	135.402	135.403
Ø 4.5	135.404	135.405	135.406	135.407	135.408
Ø 5.5	135.409	135.410	135.411	135.412	135.413

Drivers

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.

Installation Sequence

Intraoral

GM Implant Intraoral Scanbody (2) 108.207

GM Implant Analog

Ø 3.5/3.75	Ø 4.0/4.3	Ø 5.0/6.0
101.103	101.089	101.090

Hybrid Repositionable (conventional/digital)

Model Scanning

GM Implant Exact Impression Coping Closed and Open Tray (2)

Regular	108.160	108.162
Long	108.161	108.163

GM Implant Analog

Ø 3.5/3.75	Ø 4.0/4.3	Ø 5.0/6.0
101.103	101.089	101.090

Hybrid Repositionable (conventional/digital)

GM Implant Intraoral Scanbody (2) 108.207

GM Titanium Base Angled Solution (AS) 4mm

	0.8 mm	1.5 mm	2.5 mm
Ø 4.0	135.327	135.328	135.329
Ø 4.5	135.333	135.334	135.335
Ø 5.5	135.339	135.340	135.341

20 N.cm (1)

or

GM Titanium Base Angled Solution (AS) 6mm

	0.8 mm	1.5 mm	2.5 mm
Ø 4.0	135.330	135.331	135.332
Ø 4.5	135.336	135.337	135.338
Ø 5.5	135.342	135.343	135.344

20 N.cm (1)

Drivers

(1)

Angled Solution Screwdriver for Torque Wrench

105.150	Short
105.151	Regular
105.152	Long

\+ Torque Wrench

or

Angled Solution Screwdriver for Contra-angle

105.147	Short
105.148	Regular
105.149	Long

\+ Contra-angle

(2)

Neo Screwdriver Torque Connection

\+

Manual Screwdriver Torque

Accessories

Replacement Sterile Screw

116.288 Screw for GM Titanium Base AS

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

Titanium Base C for GM Exact with Neo Removable Screw

	0.8 mm	1.5 mm	2.5 mm
Ø 4.65	135.349	135.350	135.351
	3.5 mm	4.5 mm	5.5 mm
Ø 4.65	135.352	135.353	135.354

→ Intraoral Scanning with scanbodies provided by Dentsply Sirona → Finalized Prosthesis

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 directy from equipment manufacturer.

Step 2

Intra-oral scanning.

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

Insert scanbody on the Titanium Base C for GM Exact.

Step 3

Design and milling.

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

Mill the digital design.

Step 4

Finalization and fixation.

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

CEREC digital library compatibility

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

Drivers

1 Neo Screwdriver Torque Connection + Torque Wrench

Accessories

Replacement Abutment Screw

116.292 Neo GM Screw (Long)

GM Titanium Block for MEDENTiKA Holder

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

Multiple-unit cement-retained prosthesis

Ø 11.5/ 15.8 mm

Screw sold separately.

Installation Sequence

Complete Digital Workflow

GM Implant Intraoral Scanbody
2
108.207

GM Implant Analog
Ø 4.0/4.3
101.089
Hybrid Repositionable (conventional/digital)

or

GM Exact Titanium Block for MEDENTiKA Holder Ø 11.5mm
20 N.cm 1
135.252

GM Exact Titanium Block for MEDENTiKA Holder Ø 15.8mm
20 N.cm 1
135.253

Finalized Prosthesis with CADCAM process

Semi Digital Workflow

GM Implant Exact Impression Coping Closed and Open Tray 2

Regular	108.160	108.162
Long	108.161	108.163

GM Implant Analog
Ø 4.0/4.3
101.089
Hybrid Repositionable (conventional/digital)

GM Implant Intraoral Scanbody
2
108.207

or

GM Exact Titanium Block for MEDENTiKA Holder Ø 11.5mm
20 N.cm 1
135.252

GM Exact Titanium Block for MEDENTiKA Holder Ø 15.8mm
20 N.cm 1
135.253

Finalized Prosthesis with CADCAM process

Drivers

1 Neo Screwdriver Torque Connection + Torque Wrench

2 Neo Screwdriver Torque Connection + Manual Screwdriver Torque

Accessories

Sterile Screws sold separately

116.286 Titanium
116.285 Neotorque*

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

GM Titanium Block for AG Holder

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

Multiple-unit cement-retained prosthesis

Ø 12.0 mm

Screw sold separately.

Installation Sequence

Complete Digital Workflow

GM Implant Intraoral Scanbody
2
108.207

GM Implant Analog
Ø 4.0/4.3
101.089
Hybrid Repositionable (conventional/digital)

GM Exact Titanium Block for Amann Girrbach Holder Ø 12.0mm
1 20 N.cm
135.226

Finalized Prosthesis with CADCAM process

Semi Digital Workflow

GM Implant Exact Impression Coping Closed and Open Tray
2

Regular	108.160	108.162
Long	108.161	108.163

GM Implant Analog
Ø 4.0/4.3
101.089
Hybrid Repositionable (conventional/digital)

GM Implant Intraoral Scanbody
2
108.207

GM Exact Titanium Block for Amann Girrbach Holder Ø 12.0mm
1 20 N.cm
135.226

Finalized Prosthesis with CADCAM process

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 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

GM Implant Exact Impression Coping Closed and Open Tray 2

Regular	108.160	108.162
Long	108.161	108.163

or

GM Temporary Abutment for Crown or GM Pro Peek Abutment

1 20 N.cm

GM Healing for CoCr Abutment 2

106.237	Ø 3.5 / 3.75
106.238	Ø 4.0 / 4.3
106.239	Ø 5.0 / 6.0

GM Implant Analog

GM Exact CoCr Abutment Set

Ø 3.5 / 3.75	Ø 4.5 / 4.3	Ø 5.0 / 6.0
118.309	118.310	118.311

1 20 N.cm

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

Drivers

1 Neo Screwdriver Torque Connection + Torque Wrench

2 Neo Screwdriver Torque Connection + Manual Screwdriver Torque

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 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

GM Temporary Abutment for Crown

1

	0.8 mm	1.5 mm	2.5 mm	3.5 mm
Ø 3.5	118.344	118.345	118.346	118.347
Ø 4.5	118.348	118.349	118.350	118.351

or

GM Temporary Abutment for Bridge

1

	0.8 mm	1.5 mm	2.5 mm	3.5 mm
Ø 3.5	118.352	118.353	118.354	118.355
Ø 4.5	118.356	118.357	118.358	118.359

↓

Customization

↓

Temporary Prosthesis

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 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

GM Pro Peek Abutment Ø 4.5 with Neo Removable Screw

1

0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
114.874	114.875	114.876	114.877	114.878	114.879

or

GM Pro Peek Abutment Ø 6.0 with Neo Removable Screw

1

0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
114.880	114.881	114.882	114.883	114.884	114.885

In mouth customization

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 Novaloc

Overdenture

Angled version with removable screw.

Installation Sequence

GM Novaloc

20 N.cm 1

0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
102.161	102.162	102.163	102.164	102.165	102.166

or

GM Novaloc 15°

20 N.cm 1

0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
102.167	102.168	102.169	102.170	102.171	102.172

Forming/Fixing Matrix
4 units
2010.722-NOV

Attachment Analog
2010.721-NOV

Attachment Analog 15°
2010.720-NOV

Mounting Collar
2010.724-NOV

Matrix Housing
(including Processing Spacer)

With attachment
2010.703-NOV

Titanium
2010.701-NOV

PEEK
2010.702-NOV

Retention Insert

Red (approx. 300 g)
2010.710-NOV

Yellow (approx. 1200 g)
2010.712-NOV

Blue (approx. 2100 g)
2010.714-NOV

White (approx. 750 g)
2010.711-NOV

Green (approx. 1650 g)
2010.713-NOV

Black (approx. 2550 g)
2010.715-NOV

Drivers

1

Neo Screwdriver Torque Connection

+

Torque Wrench

Accessories

Equipment Box
2010.101-NOV

Processing Spacer
2010.723-NOV

Mounting Insert
2010.725-NOV

Matrix Housing Extractor
2010.751-NOV

Mounting and Demounting Tool for Retention Inserts
2010.741-NOV

Demounting Tool for Mounting Inserts for Analogs
2010.731-NOV

Measurements GM Mini Conical Abutment

17°

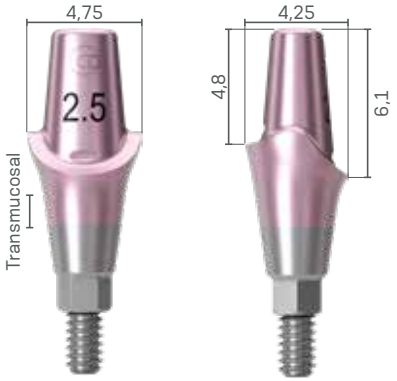
115.275 115.276 115.277

30°

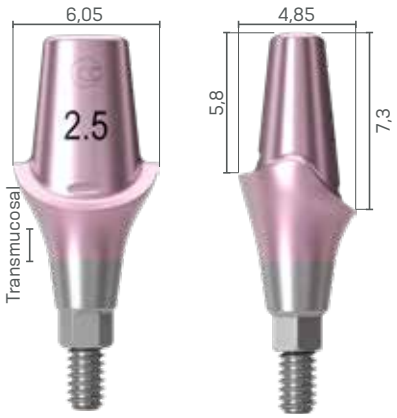
115.278 115.279 115.280

Measurements GM Anatomic Abutment

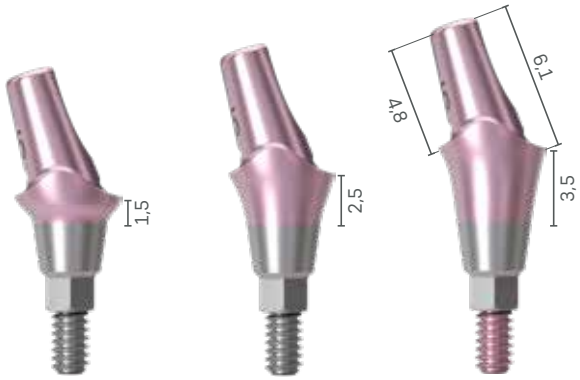
Narrow Anatomic Abutment



Anatomic Abutment

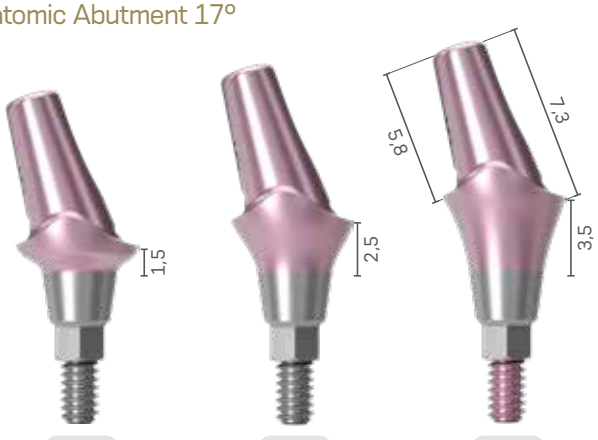


Narrow Anatomic Abutment 17°



114.871 114.872 114.873

Anatomic Abutment 17°



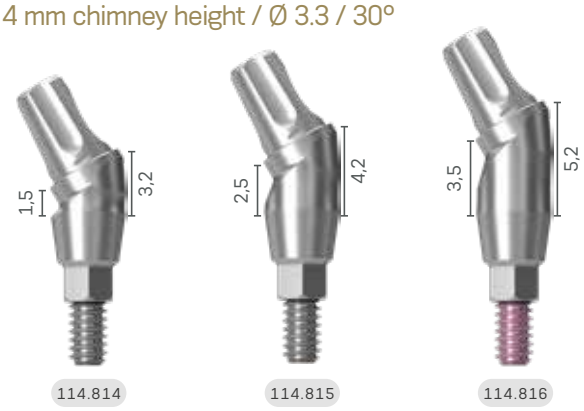
114.865 114.866 114.867

Measurements GM
Universal Abutment

4 mm chimney height / Ø 3.3 / 17°

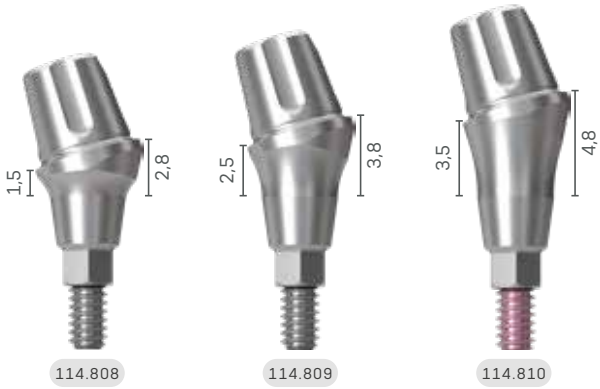
114.802 114.803 114.804

4 mm chimney height / Ø 3.3 / 30°



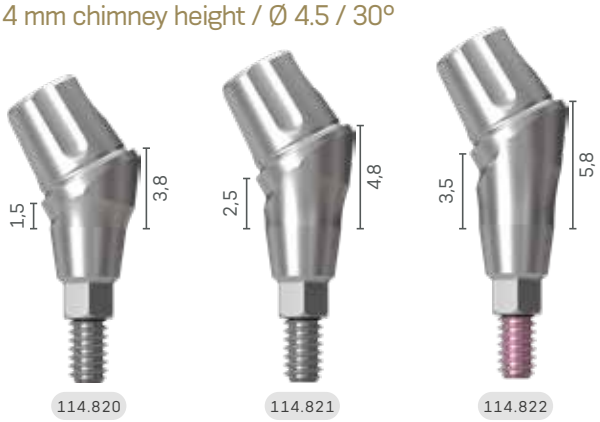
114.814 114.815 114.816

4 mm chimney height / Ø 4.5 / 17°



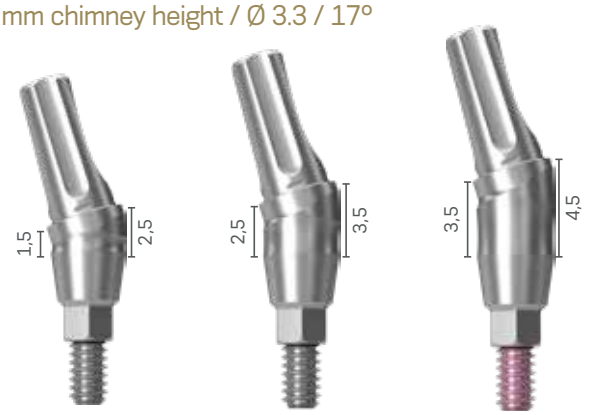
114.808 114.809 114.810

4 mm chimney height / Ø 4.5 / 30°



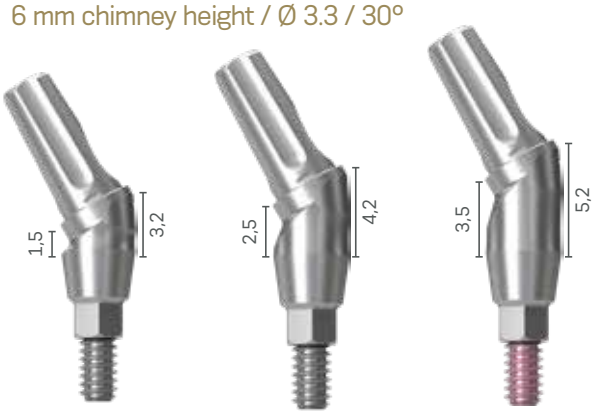
114.820 114.821 114.822

6 mm chimney height / Ø 3.3 / 17°



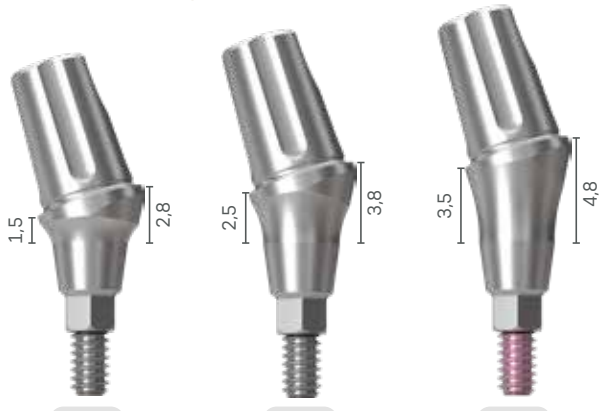
114.805 114.806 114.807

6 mm chimney height / Ø 3.3 / 30°



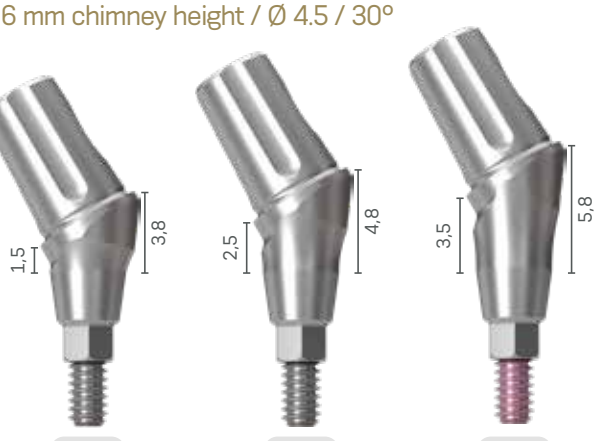
114.817 114.818 114.819

6 mm chimney height / Ø 4.5 / 17°



114.811 114.812 114.813

6 mm chimney height / Ø 4.5 / 30°



114.823 114.824 114.825

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 Dril 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
105.131	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.

Grand Morse® and WS Surgical Kit

Autoclavable polymer case.

Articles

110.287	GM/WS Surgical Kit Case
103.162	Twist Drill 2.0 Plus
103.213	Pilot Dril 2.0/3.0 Plus
103.164	Twist Drill 3.0 Plus
103.166	Twist Drill 3.3 Plus
103.514	GM Pilot Drill 3.0/3.75
103.167	Twist Drill 3.8 Plus
103.168	Twist Drill 4.3 Plus
103.215	Pilot Drill 4.3/5.3 Plus
103.163	Twist Drill 2.8 Plus
103.169	Twist Drill 5.3 Plus
103.170	Initial Drill Plus
103.513	Pilot Drill GM 2.8/3.5
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
103.221	Pilot Drill CM 5.3/6.0 Plus
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
128.029	WS Height Measurer
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
105.131	GM Implant Driver - Contra-Angle
105.002	Smart/WS Implant Driver - Contra-Angle
104.060	Neo Screwdriver (Medium)
105.130	GM Implant Driver GM - Torque Wrench
105.018	Hex Connection - Torque Wrench (Long)
104.028	Manual Implant Driver - Contra-Angle
104.012	Manual Screwdriver (Medium)
105.129	GM Implant Driver GM - Torque Wrench
105.001	Smart/WS 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
128.024	WS Direction Indicator 4.3/5.0
128.025	WS Direction Indicator 5.3/6.0
128.028	GM Height Measurer
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.

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
105.131	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 17º
128.031	Angle Measurer for Drill 2.0 30º
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

TRUST YOURSELF

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

Protect anatomical structures

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

Master limited visibility

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

Intuitive solution

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

Secure drill stop locking system

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

Multiple use solution

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

User friendly kit retentive system

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

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

Neodent® Color Code overview

Color code according to implant length

Compatible portfolio of Helix GM® Implants

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

30 years

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
103.170	Initial Drill
103.492	Tapered Control Stop Drill 2.0
103.493	Tapered Control Stop Drill 3.5
103.494	Tapered Control Stop Drill 3.75
103.495	Tapered Control Stop Drill 4.0
103.496	Tapered Control Stop Drill 4.3
103.497	Tapered Control Stop Drill 5.0
103.498	Tapered Control Stop Drill 6.0 (Short)
103.499	Tapered Control Stop Drill 7.0 (Short)*
104.060	Neo Manual Screwdriver (Medium)
104.028	Manual Implant Driver - Contra-angle
103.426	Drill Extension
103.500	Tapered Control Stop Drill 3.5+
103.501	Tapered Control Stop Drill 3.75+
103.502	Tapered Control Stop Drill 4.0+
103.503	Tapered Control Stop Drill 4.3+
103.504	Tapered Control Stop Drill 5.0+
105.131	GM Implant Driver - Contra-angle GM
105.130	Implant Driver - Torque Wrench (Long)
105.129	GM Implant Driver - Torque Wrench (Short)
103.513	Pilot Drill 3.5
103.514	Pilot Drill 3.75
103.515	Pilot Drill 4.0
103.516	Pilot Drill 4.3
103.517	Pilot Drill 5.0
128.028	GM Height Measurer
128.030	Angle Measurer for Drill 2.0 17°
128.031	Angle Measurer for Drill 2.0 30°
128.019	Direction Indicator 2.8/3.5
128.020	Direction Indicator 3.0/3.75
128.021	Direction Indicator 3.3/4.0
128.022	Direction Indicator 3.6/4.3
128.023	Direction Indicator 4.3/5.0
129.004	Depth Probe
104.050	Torque Wrench

Note: Items that compose Neodent® 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
125.144	8.0 Control Drill Stop D2.0
125.145	10.0 Control Drill Stop D2.0
125.146	11.5 Control Drill Stop D2.0
125.147	13.0 Control Drill Stop D2.0
125.148	8.0 Control Drill Stop D3.5
125.149	10.0 Control Drill Stop D3.5
125.150	11.5 Control Drill Stop D3.5
125.151	13.0 Control Drill Stop D3.5
125.152	8.0 Control Drill Stop D3.75/4.0
125.153	10.0 Control Drill Stop D3.75/4.0
125.154	11.5 Control Drill Stop D3.75/4.0
125.155	13.0 Control Drill Stop D3.75/4.0
125.156	8.0 Control Drill Stop D4.3/5.0
125.157	10.0 Control Drill Stop D4.3/5.0
125.158	11.5 Control Drill Stop D4.3/5.0
125.159	13.0 Control Drill Stop D4.3/5.0
125.160	8.0 Control Drill Stop D6.0/7.0
125.161	10.0 Control Drill Stop D6.0/7.0
125.162	11.5 Control Drill Stop D6.0/7.0
125.163	13.0 Control Drill Stop D6.0/7.0

Note: Items that compose Neodent® 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)
105.136	Neo Screwdriver Torque Connection - Contra-angle (Medium)
105.138	Hexagonal Prosthetic Driver - Contra-angle
105.137	Hexagonal Prosthetic Driver - Torque Wrench
105.133	Neo Screwdriver Torque Connection (Short) - Torque Wrench
105.132	Neo Screwdriver Torque Connection (Medium) - Torque Wrench
105.157	Neo Long Screwdriver for Torque Wrench
104.005	Manual Screwdriver Torque
128.028	GM Height Measurer
104.050	Torque Wrench

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

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

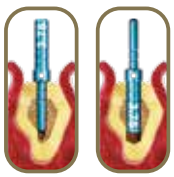
Control Drill Stops

:: 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.



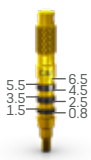
2.8/3.5	128.019	3.6/4.3	128.022
3.0/3.75	128.020	4.3/5.0	128.023
3.3/4.0	128.021		

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.

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
22 mm	30 mm
105.129	105.130

Neo Screwdriver Torque Connection - Torque Wrench

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

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

Neo Manual Screwdriver

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

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

Neo Screwdriver Torque Connection - Contra-angle

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

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

Hexagonal Prosthetic Driver

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

Contra-angle	Torque Wrench
105.138	105.137

Angled Solution Screwdriver for Torque Wrench

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

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

Angled Solution Screwdriver for Contra-angle

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

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

GM Bone Profile Drill with Guide

:: Available in surgical steel;
:: Used in the surgical second step;
:: Conforms the bone around the implant platform, preparing the emergence profile to be suitable to prosthetic components.

103.424

Angle Measurer for Drill 2.0

:: Available in titanium;
:: Angles: 17° and 30°;
:: To select and plan the abutments angulation during surgical procedures;
:: Suggested use: after Twist Drill 2.0.

17°	30°
128.030	128.031

GM Angle Measurer

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

17°	30°
128.032	128.033

Control Stop Kit Holder

:: Available in polymer;
:: Replacement 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	Torque Wrench Connections
104.028	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

	Long
130.118	130.114

Remover for Neo Screws

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

	Long
130.119	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

130.117

Long
130.116

Neodent easyguide

SIMPLICITY AT ONE HAND

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

STRAIGHTFORWARD GUIDED SURGERY TECHNIQUE
Surgical convenience with one-hand procedures

EFFICIENT TREATMENT PROTOCOLS
Intuitive and simple technique

PREDICTABLE SURGICAL RESULTS
Confidence for accurate implant positioning

PATIENT TREATMENT ACCEPTANCE
Communication building trust and patient engagement

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

Simple technique

Reduced number of instruments

Surgeries can be performed without assistance

ONE DRILL DESIGN

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

1

COLOR CODE ACCORDING TO IMPLANT DIAMETER

2

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

3

LASER-MARKED LENGTH

4

ACTIVE PORTION MATCHING IMPLANT LENGTHS

30 years

"DR FERNANDO DUQUE, from France
The Easy Guide is easy to use, I think it's completely friendly. The tools they provide us are easy to use and we can achieve excellent prosthetics and surgical outcomes with this."

FULLY GUIDED IMPLANT INSERTION

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

FULLY GUIDED BED PREPARATION

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

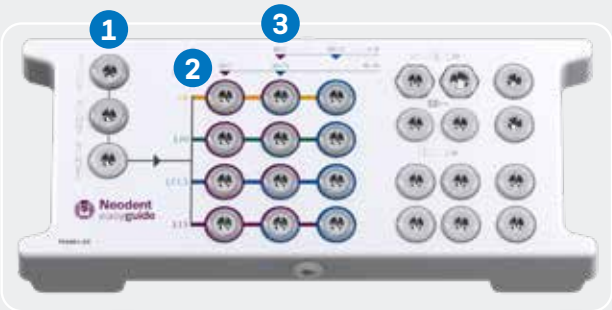
1. DATA ACQUISITION
3D (CB)CT scan (DICOM)
Intraoral or lab scanning
(STL images)

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

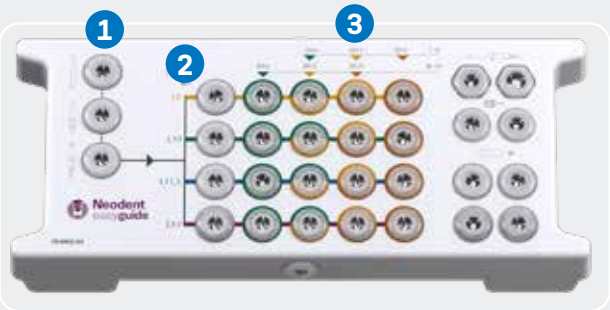
3. SURGICAL GUIDE PRODUCTION
The surgical guide must contain the sleeves that guide the instruments and the implants.

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

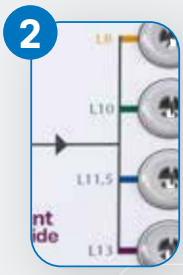
EASYGUIDE KIT NARROW/REGULAR • Ø 3.5, Ø 3.75



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



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

30 years

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

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

Neodent® EasyGuide Kit for Regular/Wide Diameter Implants

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

Articles

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

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

Neodent easyguide

Neodent®
EasyGuide
Instruments

Narrow Tapered Drills

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

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

Regular Tapered Drills

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

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

Guided Surgery Drill 1.3 and Guide Clamp

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

Drill Ø 1.3	Guide Clamp
103.395	125.142

Drill and Palatal Setter

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

Drill	Palatal Setter
103.558	125.176

Mucosa Punches

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

Narrow	Regular
103.583	103.584

Bone Leveling Drills

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

Narrow	Regular
103.519	103.518

Initial Drills

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

Narrow	Regular
103.545	103.520

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
105.161	105.163

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

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

Depth Probe

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

129.034

Neo Manual Screwdriver

:: Available in surgical steel and titanium.

Medium
25 mm

104.060

Neo Screwdriver Torque Connection - Contra-angle

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

105.167

Torque Wrench

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

104.050

Sleeves for Neodent® EasyGuide

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

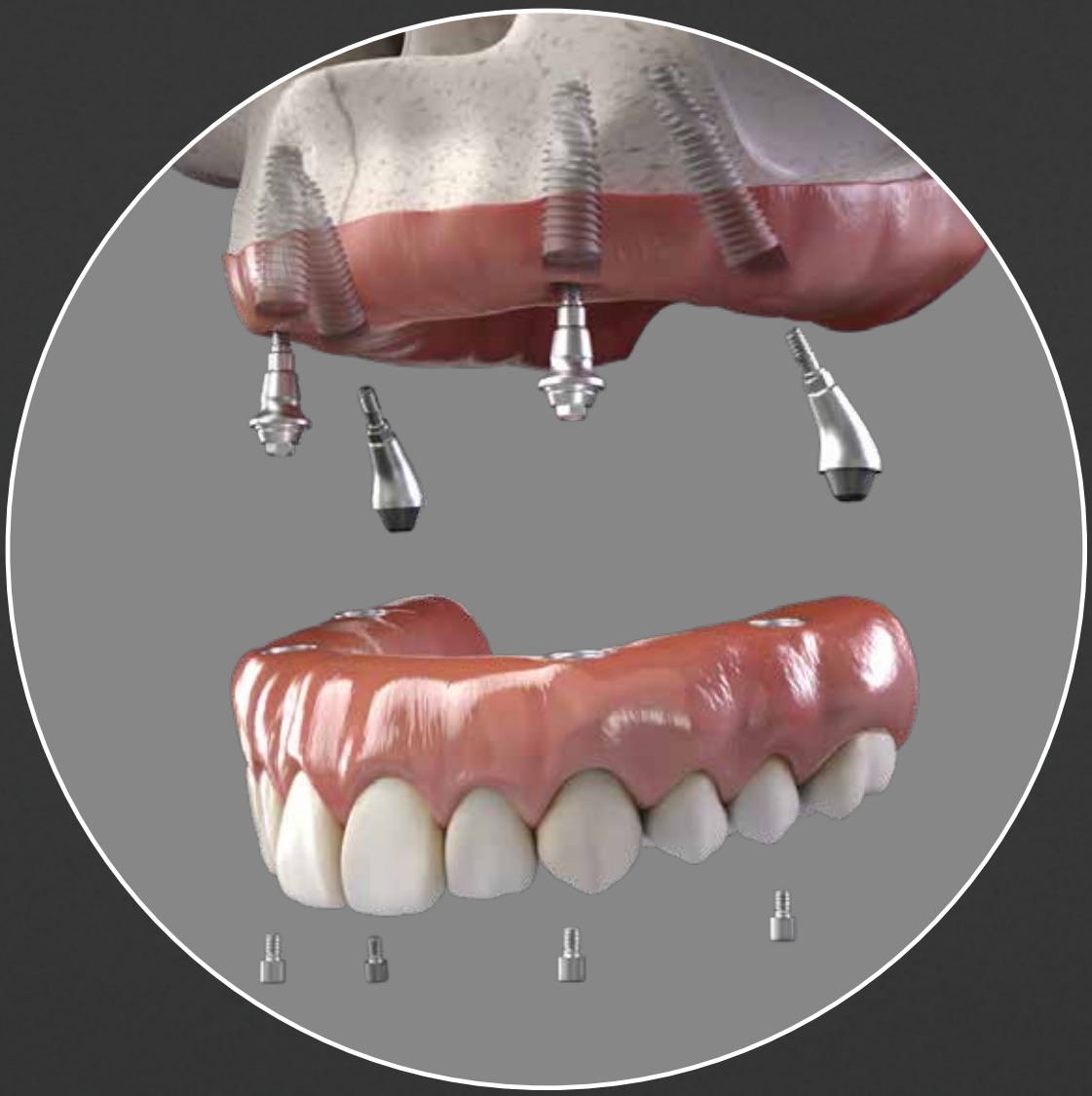
125.165 Regular Sleeve D5.2
125.168 Narrow Sleeve D3.93
125.177 Sleeve for Palatal Setter
125.143 Sleeve for Fixation Clamp

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 live by immediately restoring function and esthetics [10].



30 years

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.

30 years

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."

Neodent® Zygoma GM™ and Helix GM® Long 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

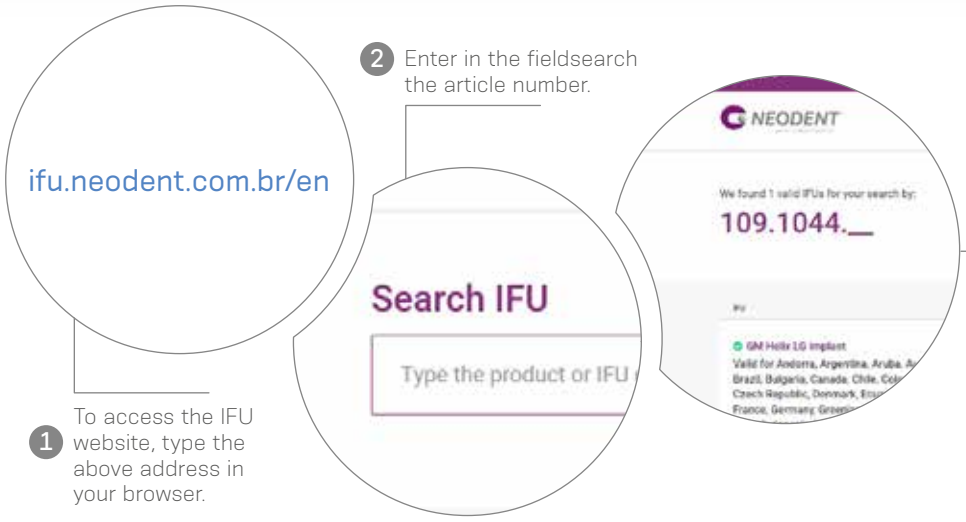
After opening the blister, note that the implant will remain attached at the lid. In order to break the base holder of the implant, hold the lid and apply a contra-torque with the GM Connection for contra-angle (a maximum torque of 20 N.cm). Or for manual installation, use the Zygoma GM™ Implant Driver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



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

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

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

Bone types III and IV

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

Helix **GM®** Long implants

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

GM Healing Abutment

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

:: Use the manual Neo Screwdriver (104.060);

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

GM Customizable Healing Abutments

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

GM Cover Screw

0 mm	2 mm
117.021	117.022

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

Zygoma **GM™**

PRODUCT FEATURES:

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

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

Drilling features:
• Drilling speed: 800-1200 rpm;
• Lateral Direction Drill speed: 600-800 rpm;
• Implant insertion speed: 30 rpm;
• Maximum torque for implant placement: 60 N.cm.

Available with:

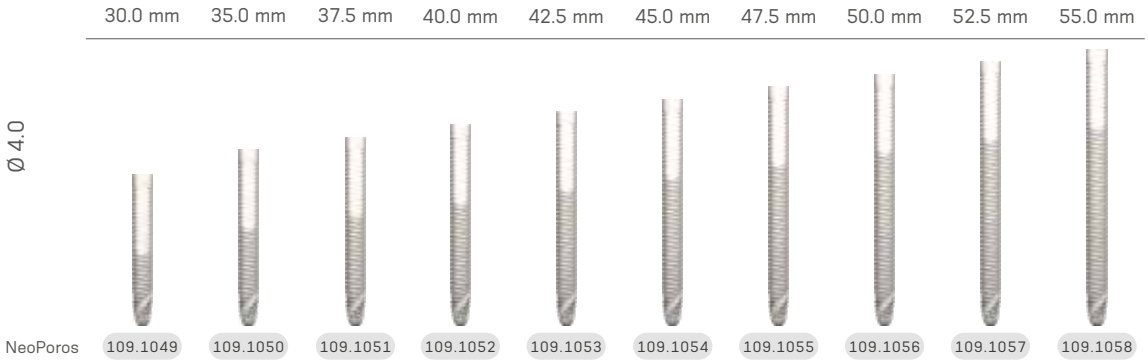
NeoPoros®

Drill Sequence

	Ø 2.35	Lateral Direction Ø 4.0	Pilot Ø 2.3/3.2	Ø 3.75	Ø 4.0
	103.455	103.458	103.465	103.456	103.457
Ø 4.0 mm	✓	Optional	Optional	✓	✓

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

Zygoma **GM™** 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 4.0										
NeoPoros	109.1049	109.1050	109.1051	109.1052	109.1053	109.1054	109.1055	109.1056	109.1057	109.1058

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 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;

Installation Sequence

Model Scanning

Slim Mini Conical Abutment Open Tray Impression Coping

3

108.176

Mini Conical Abutment Hybrid Repositionable Analog

101.092

Conventional

Slim Mini Conical Abutment Open Tray Impression Coping

3

108.176

Neo Mini Conical Abutment Titanium Coping

10 N.cm 2

118.302

or

Mini Conical Abutment Analog

101.092 Hybrid Repositionable (conventional/digital)

101.020 Conventional

Neo Mini Conical Abutment CoCr Coping

10 N.cm

118.303

or

Neo Mini Conical Abutment Burn-out Coping

10 N.cm

118.301

Mini Conical Abutment Hybrid Repositionable Analog

101.092

Drivers

Neo Screwdriver Torque Connection

Torque Wrench

Neo Screwdriver Torque Connection

Accessories

GM Mini Conical Abutment Coping for Removable Prosthesis

Overdenture

Recommended for overdentures in association with Mini Conical Abutments.

Installation Sequence

1. GM Mini Conical Abutment (32 N.cm)

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

2. GM Exact Mini Conical * Abutment 17°/30°/45° (20 N.cm)

	17°	30°	45°
1.5 mm	115.275	115.278	115.281
2.5 mm	115.276	115.279	115.282
3.5 mm	115.277	115.280	

↓

Mini Conical Abutment Coping for Removable Prosthesis (15 N.cm) — 118.391

↓

Forming/Fixing Matrix
4 units
2010.722-NOV

↓

Attachment Analog
2010.721-NOV

↓

Mounting Collar
2010.724-NOV

↓

Matrix Housing (including Processing Spacer)

- With attachment — 2010.703-NOV
- Titanium — 2010.701-NOV
- PEEK — 2010.702-NOV

↓

Retention Insert

Red (approx. 300 g) 2010.710-NOV	Yellow (approx. 1200 g) 2010.712-NOV	Blue (approx. 2100 g) 2010.714-NOV
White (approx. 750 g) 2010.711-NOV	Green (approx. 1650 g) 2010.713-NOV	Black (approx. 2550 g) 2010.715-NOV

Drivers

1. Hexagonal Prosthetic Driver + Torque Wrench

2. Neo Screwdriver Torque Connection + Torque Wrench

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 3.5-5.5 GH

Mini Conical Abutment Polishing Protector
123.008

Replacement Coping Screw

- 116.269 Titanium
- 116.270 Neotorque*

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

Equipment Box
2010.101-NOV

Processing Spacer
2010.723-NOV

Mounting Insert
2010.725-NOV

Matrix Housing Extractor
2010.751-NOV

Mounting and Demounting Tool for Retention Inserts
2010.741-NOV

Demounting Tool for Mounting Inserts for Analogs
2010.731-NOV

Measurements GM Mini Conical Abutment

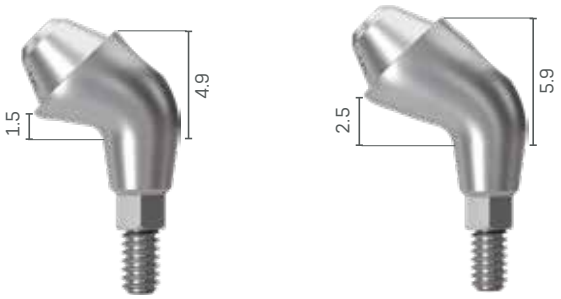
17°

115.275 115.276 115.277

30°

115.278 115.279 115.280

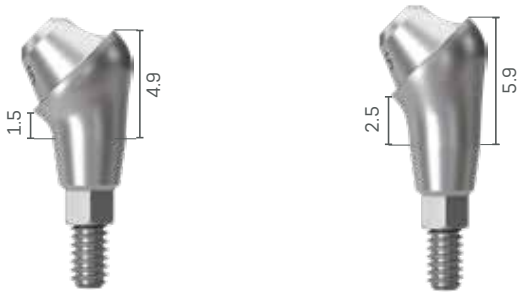
45°*



115.281 115.282

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

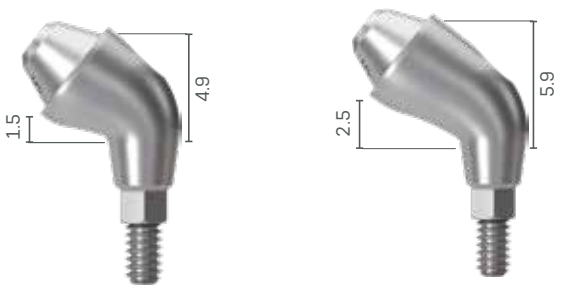
45° slim*



115.302 115.303

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

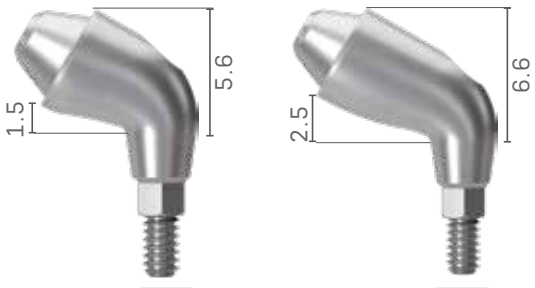
52°*



115.300 115.301

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

60°*



115.285 115.286

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

NeoArch®
Kits

Helix GM® Long Compact Surgical Kit

Autoclavable polymer case.

Articles

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

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

Zygoma GM™ Surgical Kit

Autoclavable polymer case.

Articles

- 110.299 Zygoma GM™ Surgical Kit Case
- 103.395 Guided Surgery Drill 1.3mm
- 125.100 Guided Surgery Guide Clamp
- 125.139 Drill Guide For Ngs Zygoma GM™ 2.35mm
- 103.454 Twist Drill For Ngs Zygoma GM™ 2.35mm
- 103.455 Twist Drill For Zygoma GM™ 2.35mm
- 103.456 Twist Drill For Zygoma GM™ 3.75mm
- 103.457 Twist Drill For Zygoma GM™ 4.0mm
- 103.458 Lateral Direction Drill For Zygoma GM™ 4.0mm
- 103.465 Pilot Twist Drill For Zygoma GM™ 2.3/3.2mm
- 104.063 Zygoma GM™ Installation Driver
- 129.022 Zygoma GM™ Probe 2.35mm
- 129.023 Zygoma GM™ Probe 4.0mm
- 128.032 GM Angle Measurer 17º
- 128.033 GM Angle Measurer 30º
- 128.034 GM Angle Measurer 45º
- 128.028 GM Height Measurer
- 104.060 Neo Manual Screwdriver (medium)
- 105.129 GM Implant Driver - Torque Wrench (short)
- 105.131 GM Implant Driver - Contra-angle
- 104.050 Torque Wrench

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

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

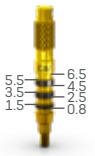
:: Available in surgical steel;
:: Spherical tip with guide pin and helical blades for preparing the site for the implant placement in the exteriorized technique.

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	Short	Long
16.5 mm	24 mm	37 mm
105.146	105.135	105.167

Hexagonal Prosthetic Driver

:: Available in surgical steel;
:: To install and apply torque over straight GM Mini Conical Abutments and GM Micro Abutments;
:: Yellow color for line identification.

Contra-angle	Torque Wrench
105.138	105.137

GM Bone Profile Drill with Guide

:: Available in surgical steel;
:: Used in the surgical second step;
:: Conforms the bone around the implant platform, preparing the emergence profile to be suitable to prosthetic components.

103.424

GM Angle Measurer

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

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

Helix GM® Long Drill Guide for Guided Surgery

:: Instrument with the purpose of guiding the drills during the bone bed preparation according to the guided surgery technique.

Ø 2.0/2.35	Ø 3.75/4.0
125.140	125.141

Zygoma GM™ Drill Guide for Guided Surgery

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

Ø 2.35
125.139

Guided Surgery Drill 1.3 and Guide Clamp

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

Drill Ø 1.3	Guide Clamp
103.395	125.100

Guided Surgery GM Connection - Contra-Angle

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

Regular
105.140

Guided Surgery GM Connection - Torque Wrench

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

Regular
105.143

Helix GM® Long X-ray Positioner

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

129.021

Zygoma GM™ Probes

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

Ø 2.35	Ø 4.0
129.022	129.023

Zygoma GM™ 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

	Long
130.118	130.114

Remover for Neo Screws

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

	Long
130.119	130.115

Removal Sets for Abutments with internal threads and Neo Screws

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

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.

30 years

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 for Grand Morse®

Compatible with major guided surgery software

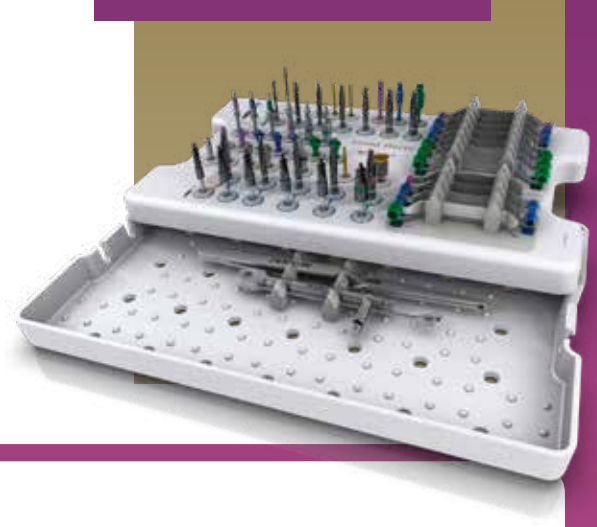
Guided implant insertion

Guided bed preparation

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

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

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

Neodent®
Guided Surgery
Instruments

Guided Surgery Tapered 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 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 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 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 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 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
105.139	105.140	105.141

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

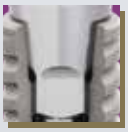
Implant therapy for demanding indications, such as reduced interdental spaces, can raise concerns regarding resistance and biomechanical behavior. Therefore, features of an implant-abutment interface are essential to provide successful long-term functional, stable, and esthetic results.

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

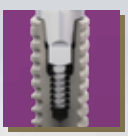
16° Morse Taper connection
The implant-abutment interface is a relevant aspect that could interfere on the success of patient's outcome. Helix GM Narrow is designed to deliver a tight fit for optimal connection sealing and offers strong mechanical resistance.

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]

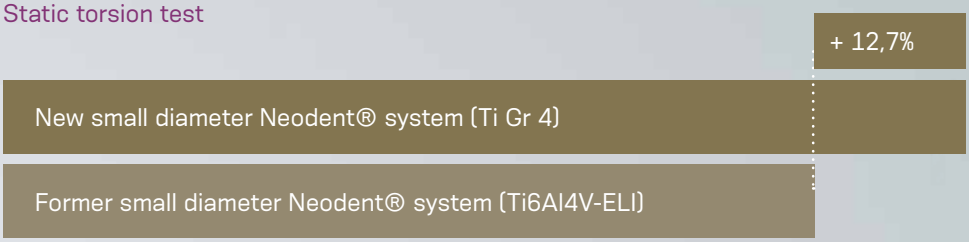
Screw-retained interface
The Helix GM Narrow features a morse taper screw-retained connection, which fits into the internal thread with precision seeking to provide a stable abutment connection.



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



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.

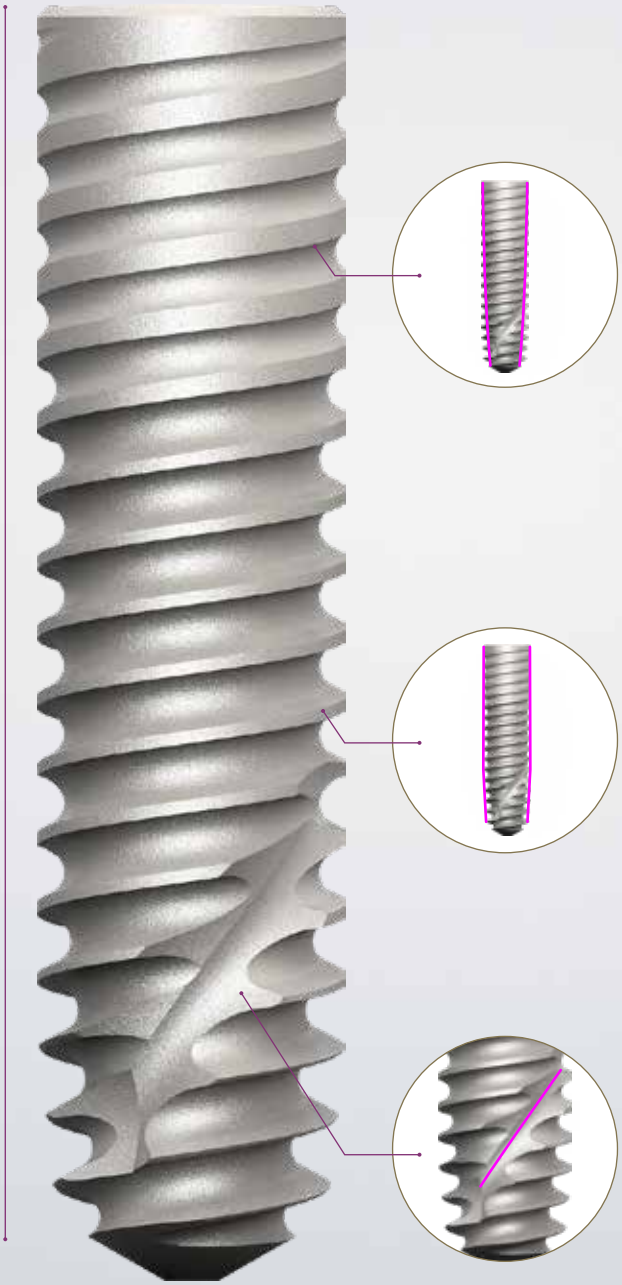
The versatile Neodent® Helix GM Narrow system combines a Ø2.9mm Helix implant, with a comprehensive prosthetic portfolio to restore cases in limited bone availability and interdental spaces, for immediate esthetic results.

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.

30 years

DR FEDERICO MANDELLI, from Italy

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

A SOLUTION FOR LIMITED BONE AVAILABILITY IN ALL BONE TYPES

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

COMPREHENSIVE PROSTHETIC PORTFOLIO FOR OPTIMIZED ESTHETIC AND FUNCTIONAL RESULTS

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

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

Titanium Temporary Abutment

Titanium Base

Universal Abutment

Micro Abutment

Attachment Removable

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

Multiple-unit screw-retained prosthesis

Temporary

Overdenture

Neodent® Helix GM Narrow Implant Packaging

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

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

Package instruction of use

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

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

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

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

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

5. Take the implant to the surgical cavity.

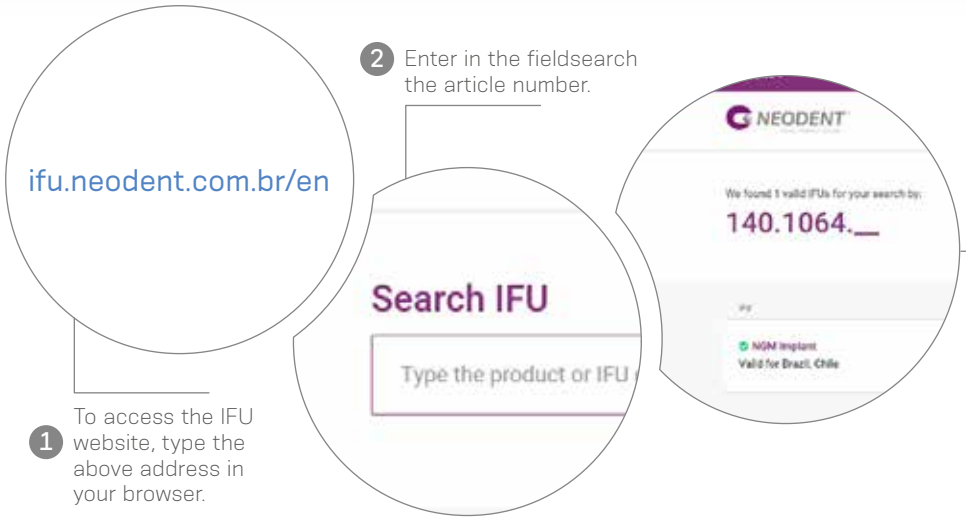
6. Place the implant to its final position with a maximum torque of 35 N.cm and speed of 30 rpm, clockwise.

e-IFU – Electronic Instructions For Use

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

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

Access: ifu.neodent.com.br/en



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

2 Enter in the fieldsearch the article number.

3 The search result is presented below search field, informing the IFU code, the name of the product and countries where the IFU is valid.

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

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

Helix
GM Narrow

PRODUCT FEATURES:

Implants Description:

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

Indications:

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

Drilling features:

- NGM Countersink Drill is required in bone types I and II;
- Implant should be positioned 2 mm below bone level;
- Drilling speed: 800-1200 rpm for bone type I and II;
- Drilling speed: 500-800 rpm for bone type III and IV;
- Implant insertion speed: 30 rpm;
- Maximum torque for implant placement: 35 N.cm.

Available with:

acqua®

Drill Sequence for conventional surgery

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

NGM Cover Screw

117.024

NGM Healing Abutment

0.8	1.5	2.5	3.5	4.5
106.262	106.263	106.264	106.265	106.266

NGM Micro Abutment

Single-unit screw-retained prosthesis

Multiple-unit screw-retained prosthesis

Ø 3.5 mm

Recommended for anterior region.

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

Installation Sequence

0.8 mm 115.287
1.5 mm 115.288
2.5 mm 115.289
3.5 mm 115.290

NGM Micro Abutment
32 N.cm 1

Intraoral

Micro Abutment Scanbody 3
108.219

Micro Abutment Hybrid Repositionable Analog
101.091

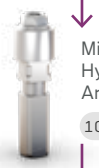
or

Neo Micro Conical Abutment One Step Hybrid Coping
10 N.cm 2
118.381

GM Micro Abutment Coping for Crown Digital Workflow
10 N.cm 2
118.363

Model Scanning

Micro Abutment Impression Coping Closed Tray for single-unit prosthesis
Open Tray Slim for multiple-unit prosthesis
108.182 108.178 3



Micro Abutment Hybrid Repositionable Analog
101.091

Micro Abutment Scanbody 3
108.219

Neo Micro Conical Abutment One Step Hybrid Coping
10 N.cm 2
118.381

or

GM Micro Abutment Coping for Crown Digital Workflow
10 N.cm 2
118.363

Conventional

Micro Abutment Impression Coping Closed Tray for single-unit prosthesis
Open Tray Slim for multiple-unit prosthesis
108.182 108.178 3

Neo Micro Abutment Titanium Coping
10 N.cm 2
Bridge 118.297
Crown 118.317

or

Neo Micro Abutment Protection Cylinder 3
106.267

Micro Abutment Analog
101.091 Hybrid Repositionable (conventional/digital)

Neo Micro Abutment CoCr Coping
10 N.cm 2
Bridge 118.296
Crown 118.316

or

Neo Micro Abutment Burn-out Coping
10 N.cm 2
118.295 Bridge
118.315 Crown

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

Installation Sequence

NGM Exact Click Universal Abutment

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

or

NGM Exact Click Universal Abutment 17º

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

Intraoral

Universal Abutment Intraoral Scanbody

4 mm	6 mm	
108.143	108.144	Ø 3.3

Universal abutment Hybrid Repositionable analog

4 mm	6 mm	
101.097	101.098	Ø 3.3

Milled crown

Conventional

Click Universal Abutment Impression Coping

4 mm	6 mm	
108.172	108.173	Ø 3.3

Click Universal Abutment Provisional Coping

4 mm	6 mm	
118.304	118.305	Ø 3.3

Universal Abutment Hybrid Repositionable Analog

4 mm	6 mm	
101.097	101.098	Ø 3.3

Universal Abutment Burn-out Coping

4 mm	6 mm	
118.181	118.182	Ø 3.3

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

Installation Sequence

Intraoral

NGM Implant Scanbody

10 N.cm 2

108.221

NGM Hybrid Analog

101.107

NGM Exact Titanium Base for Crown Ø 3.5

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

20 N.cm 1

Model Scanning

NGM Implant Exact Impression Coping Closed and Open Tray

10 N.cm 2

108.203 Closed Tray

108.204 Exact Open Tray

108.206 Open Tray

NGM Hybrid Analog

101.107

NGM Implant Scanbody

10 N.cm 2

108.221

NGM Exact Titanium Base for Crown Ø 3.5

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

20 N.cm 1

Conventional

NGM Implant Exact Impression Coping Closed and Open Tray

10 N.cm 2

108.203 Closed Tray

108.204 Exact Open Tray

108.206 Open Tray

NGM Hybrid Analog

101.107

NGM Exact Titanium Base for Crown Ø 3.5

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

20 N.cm 1

GM Titanium Base Burn-out Coping

4 mm	6 mm	
118.322	118.323	Ø 3.5

Drivers

1

Neo Screwdriver Torque Connection + Torque Wrench

2

Neo Screwdriver Torque Connection +

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.

NGM Temporary Abutment

Single-unit screw-retained temporary prosthesis

Ø 3.5

Implant level.

Installation Sequence

NGM Exact Temporary Abutment

	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm
Ø 3.5	118.373	118.374	118.375	118.376	118.377

Customization

Temporary Prosthesis

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

Overdenture

Installation Sequence

NGM Attachment TIN

0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm
102.235	102.236	102.237	102.238	102.239

Forming/Fixing Matrix
4 units
2010.722-NOV

Attachment Analog
2010.721-NOV

Attachment Analog 15°
2010.720-NOV

Mounting Collar
2010.724-NOV

Matrix Housing
(including Processing Spacer)

With attachment
2010.703-NOV

Titanium
2010.701-NOV

PEEK
2010.702-NOV

Retention Insert

Red (approx. 300 g)
2010.710-NOV

Yellow (approx. 1200 g)
2010.712-NOV

Blue (approx. 2100 g)
2010.714-NOV

White (approx. 750 g)
2010.711-NOV

Green (approx. 1650 g)
2010.713-NOV

Black (approx. 2550 g)
2010.715-NOV

Drivers

1 Neo Screwdriver Torque Connection

+

Torque Wrench

Accessories

Equipment Box
2010.101-NOV

Processing Spacer
2010.723-NOV

Mounting Insert
2010.725-NOV

Matrix Housing Extractor
2010.751-NOV

Mounting and Demounting Tool for Retention Inserts
2010.741-NOV

Demounting Tool for Mounting Inserts for Analogs
2010.731-NOV

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

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

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;
:: Yellow color for line identification.

Torque Wrench

105.137

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®
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

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-Funcional 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

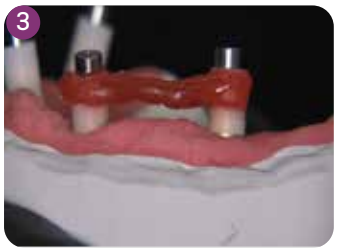
Burn-out
118.340

Brass
118.331

Titanium
118.382

Working model with artificial gum.

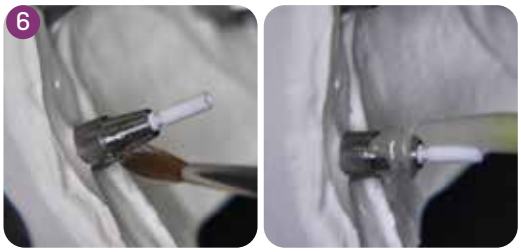
Brass Copings are placed over analogs, then Burn-out Copings are fixed by working screws.



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 overflown 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

Titanium

118.382

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 overflown 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.

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

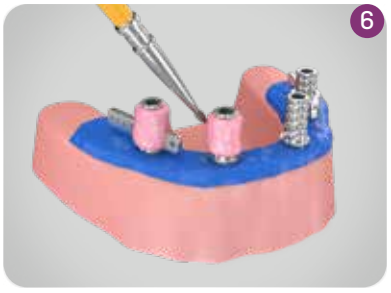
Neodent® Abutments placed.

Prosthesis wearing, keeping posterior region integrity.

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

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

Placement of rubber dam over copings to protect soft tissues.



Apply selfpolymerizing acrylic resin on and between the copings.

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

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

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

Placed provisional implant supported prosthesis.

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.

Scanbody

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

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

Compatible with
Neo Screwdriver

Hybrid Repositionable Analog

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

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

General Instruments

Torque Wrench

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

104.050

Operational Instructions

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

All that is needed is to apply force to the wrench handle **1** (never the wrench body) until the value marked on the LATERAL SCALE **2** corresponds to the desired torque.

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

•WARNING: When inverting the torque direction, the gear may come loose from the driver body and fall. Therefore, this inversion should only be done with the driver connected to a part or outside the patient's mouth.

The Neodent® Torque Wrench comes with pre-calibrated torques

Titanium Tweezers

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

129.001

Depth Probe

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

129.004

7 and 9 mm Space Planning Instrument

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

128.026

Surgical Labial Retractor

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

124.001

Columbia Retractor

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

124.003

Scapel Handle

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

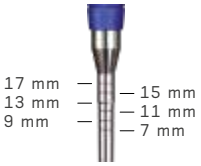
129.008

Bivers Handle

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

129.002

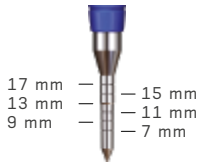
Concave Osteotome



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

Convex Osteotome



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

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

Osteotomes Kit Case

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

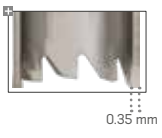
110.262

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 3.3	Ø 3.5	Ø 3.75	Ø 4.1
103.051	103.490	103.491	103.026

Ø 4.3	Ø 5.0	Ø 8.0
103.087	103.027	103.028

Sinus Lift Curette

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

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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- **Interdisciplinary and modern planning of the smile**
- **Prosthetic principles leading to immediate loading success**
- **Success Journey in Immediate Loading**

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