

NEODENT® PRODUCT CATALOGUE



years





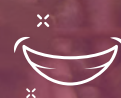
Celebrating is a choice

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 Straumann 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®





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



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.



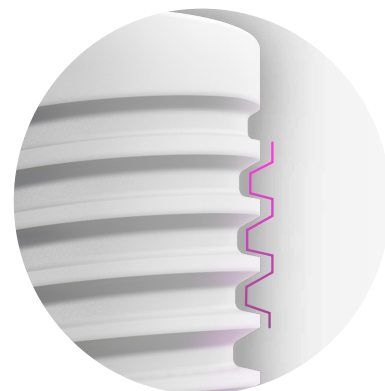
FRIENDLY ZILOCK® CONNECTION

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**

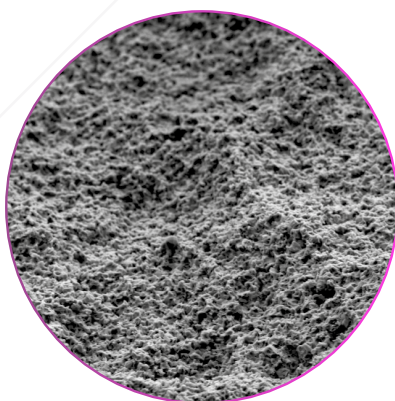
Aiming to achieve stable immediate protocols, Zi combines a naturally tapered implant design and implant treated surface. Both designed to maximize stability and predictability in immediate treatments.



Double trapezoidal thread design.



Apically tapered with chamber flutes.



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

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.

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.



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.



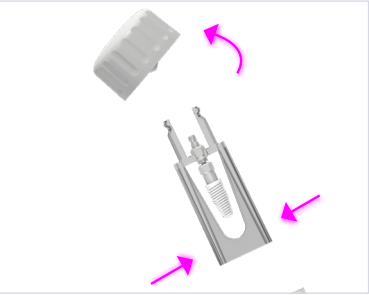
Package instruction of use



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.



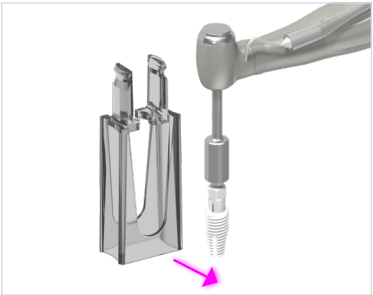
2. The internal support containing the implant and transfer piece must come out attached to the lid. To do so, remove the lid and the clear tube's internal support in the axial direction without making any lateral movements.



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.

Zi Compact Surgical Kit

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



Articles

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

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

Zi Implant

PRODUCT FEATURES:

Implants Description:

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

Indications:

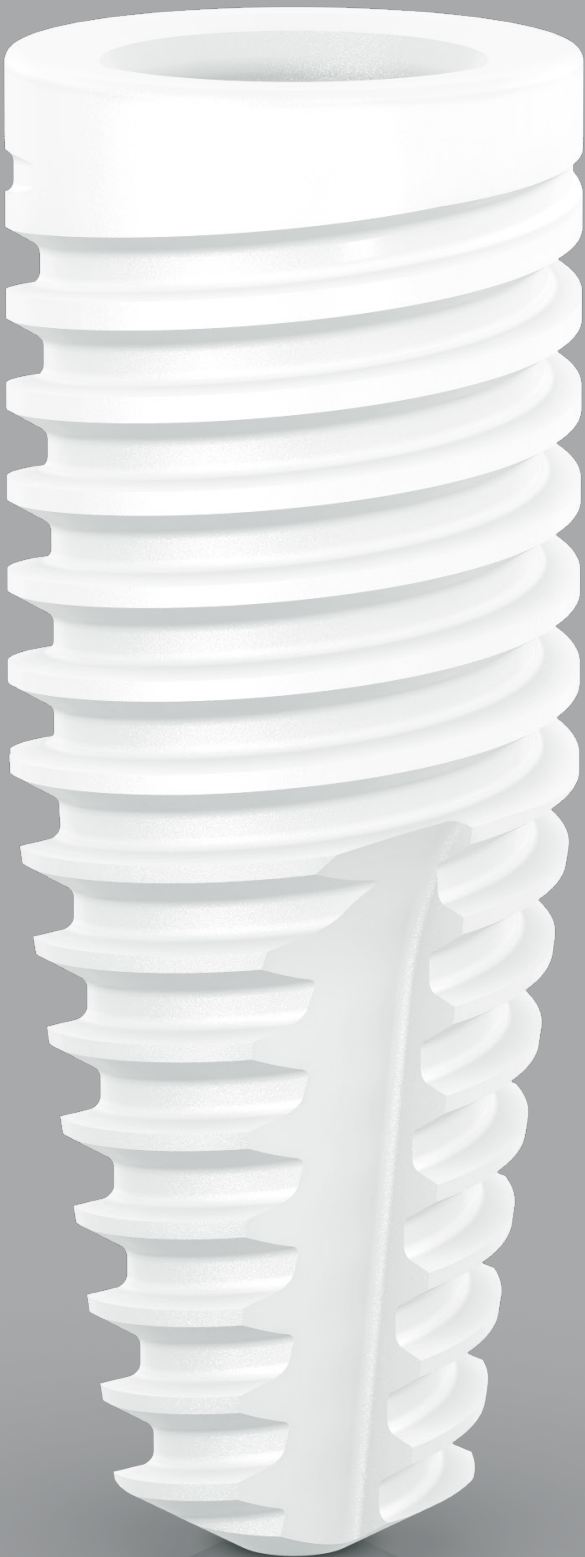
- Indicated for all types of bone density

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 short	Ø 3.75 short	Countersink Ø 3.75	Bone Tap Ø 3.75	Ø 4.3 short	Countersink Ø 4.3	Bone Tap Ø 4.3
	103.170	103.425	103.562	103.565	103.488	111.046	103.571	103.450	111.048
			medium	medium			medium		
			103.561	103.564			103.570		
			long	long			long		
			103.563	103.566			103.572		
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		10.0 mm	11.5 mm	13.0 mm
Ø 3.75							
	180.002	180.003	180.004		180.006	180.007	180.008

Zi Cover Screw

	117.023
:: Use the manual Neo Screwdriver (104.060);	
:: Do not exceed the insertion torque of 10 N.cm.	

Zi Healing Abutments

	Profile	1.5 mm	2.5 mm
Ø 3.75		106.233	106.234
Ø 4.5		106.235	106.236
:: Use the manual Neo Screwdriver (104.060);			
:: Do not exceed the insertion torque of 10 N.cm.			

Peek CR Abutment

Single-unit cement-retained temporary prosthesis

Ø 4.0/4.5 mm

Neo screwdriver connection;

Cementable area height: 5.0 mm;

Gingival height: 1.5 & 2.5 mm;

ZiLock® connection;

Removable screw.

Zi Base

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

Ø 3.75/4.5 mm

Neo screwdriver connection;

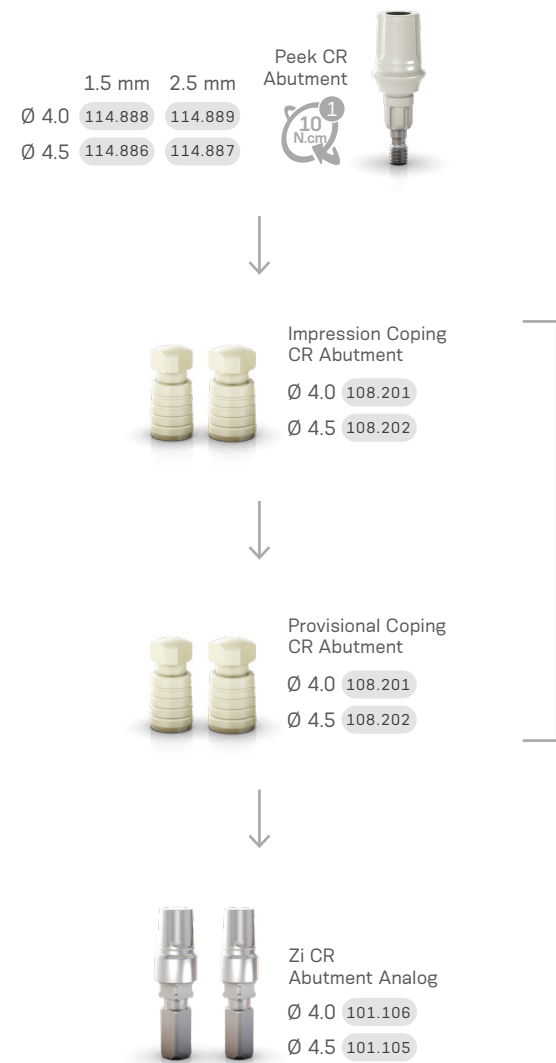
Chimney height: 4.0 mm;

Gingiva height: 1.5 & 2.5 mm;

ZiLock® connection;

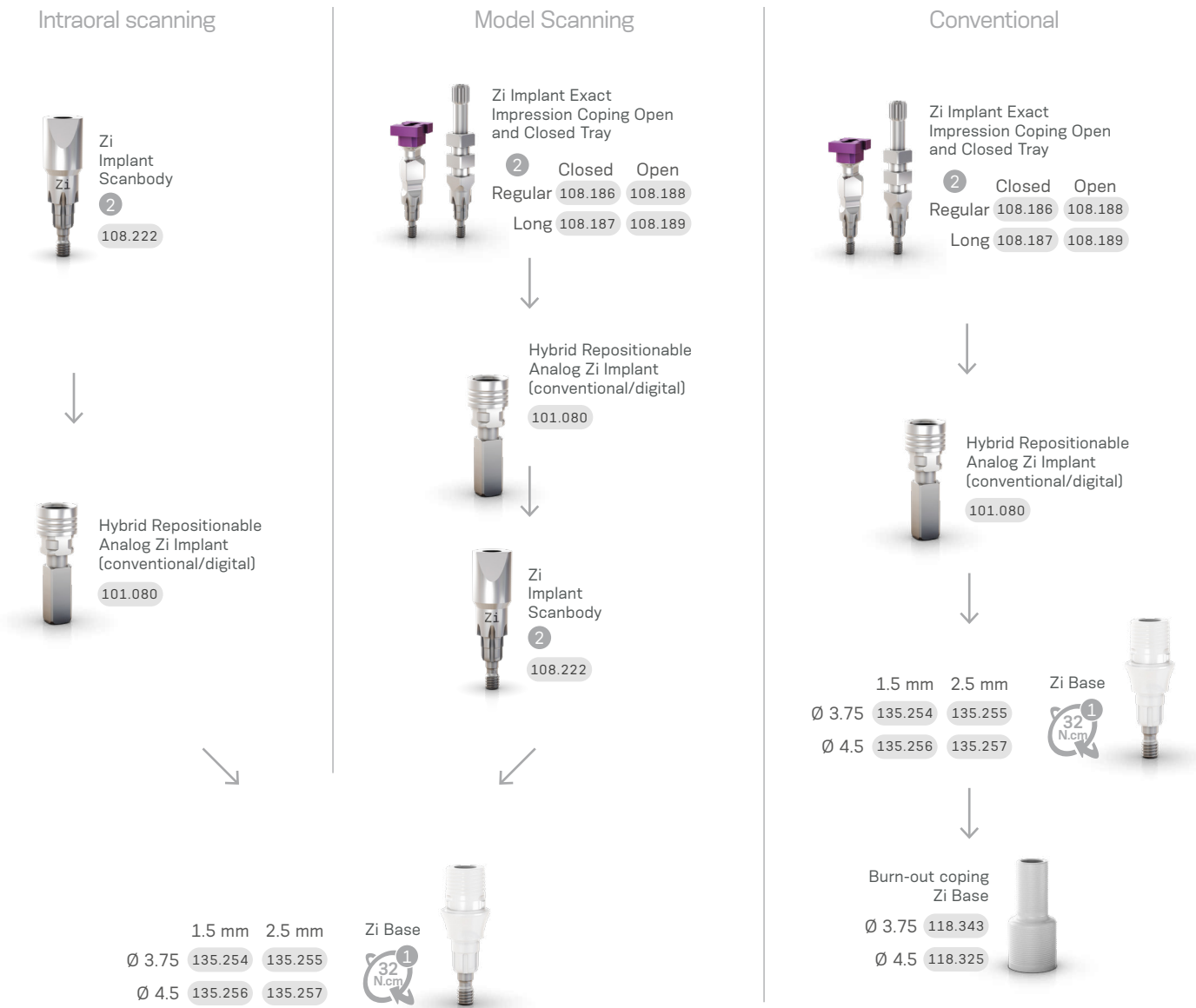
Removable screw.

Installation Sequence



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

Installation Sequence



Drivers

1

Neo Screwdriver Torque Connection

+

Torque Wrench

Drivers

1

Neo Screwdriver Torque Connection

+

Torque Wrench

2

Neo Screwdriver Torque Connection

+

Manual Screwdriver Torque

Accessories

Abutment replacement screw

116.289

Zi Base for C

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

Ø 4.65 mm

Design for CEREC® workflow;

Neo screwdriver connection;

Gingiva height: 1.5 & 2.5 mm;

ZiLock® connection;

Removable screw.

Zi CR Abutment

Single-unit cement-retained prosthesis

Ø 4.0/4.5 mm

Neo screwdriver connection;

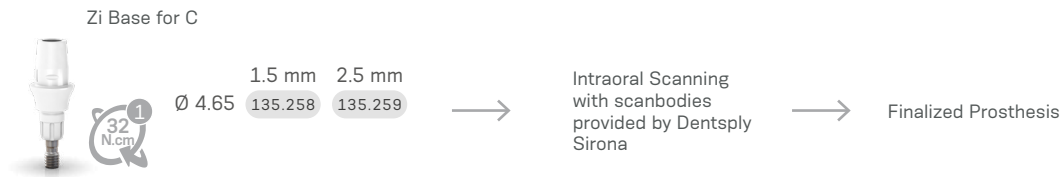
Chimney height: 5.0 mm;

Gingiva height: 1.5 & 2.5 mm;

ZiLock® Connection;

Removable screw.

Installation Sequence



Workflow

Step 1
Gingiva height selection and ordering.

Select the Zi Base for C gingival height.

Order the Zi Base for C.

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

Step 2
Intra-oral scanning.

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

Insert scanbody on the Zi Base for C.

Step 3
Design and milling.

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

Mill the digital design.

Step 4
Finalization and fixation.

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

CEREC digital library compatibility

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

Installation Sequence



Drivers

Neo Screwdriver Torque Connection

Torque Wrench

Accessories

Abutment replacement screw

116.289

Drivers

Neo Screwdriver Torque Connection

Torque Wrench

Accessories

Abutment replacement screw

116.289

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

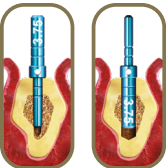
- :: Available in surgical steel;
- :: Yellow color for line identification

- | 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
129.020 | Ø4.3
129.013 |
|------------------|-----------------|

Grand Morse®

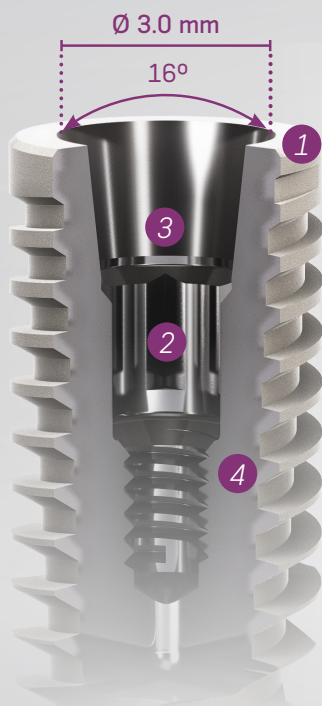
GREATNESS IS AN ACHIEVEMENT



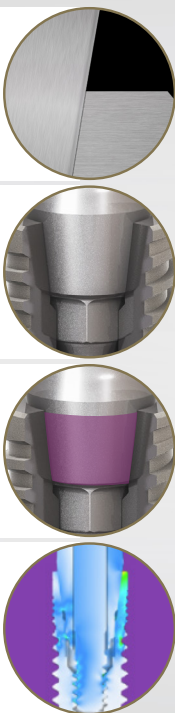
GRAND RELIABILITY

STABLE AND STRONG FOUNDATION DESIGNED FOR LONG TERM SUCCESS

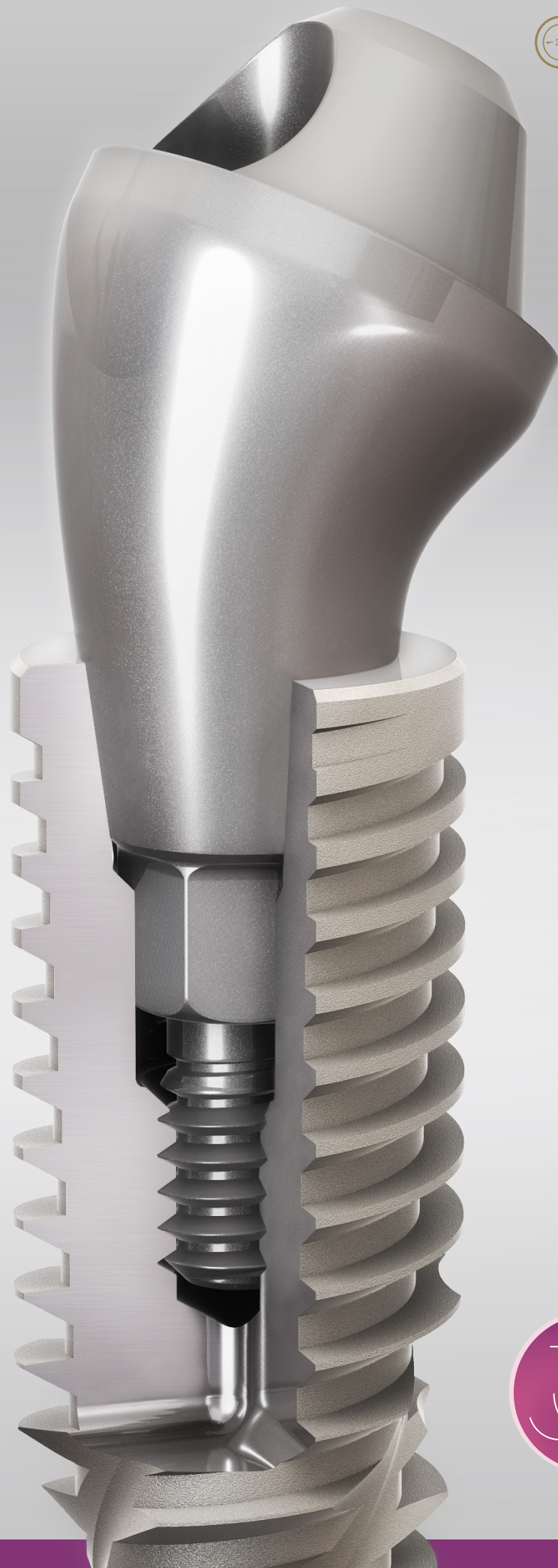
The implant-abutment interface is crucial for a successful long term functional and esthetic result. The Neodent® Grand Morse® connection offers a unique combination based on proven concepts: a platform switching associated with a deep 16° Morse Taper including an internal indexation for a strong and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



DR JOE BHAT, from United Kingdom
"The new GM line has been the most effective tool that I have used in my practice. With regard to full-arch reconstruction and for immediate loading."



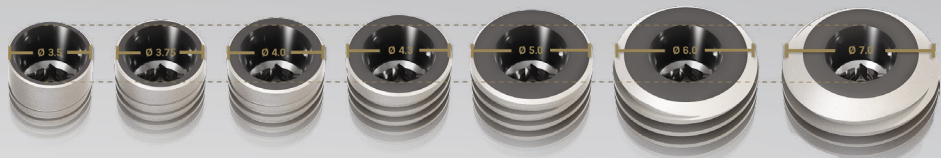
GRAND SIMPLICITY

EASE OF USE AT ITS BEST

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

ONE PROSTHETIC PLATFORM

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



ONE SCREWDRIVER

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



ONE IMPLANT DRIVER

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



ONE SURGICAL KIT

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



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

GRAND STABILITY

STABLE AND STRONG FOUNDATION DESIGNED FOR LONG TERM SUCCESS

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

HELIX® - OPTIMAL IMPLANT DESIGNED TO ACHIEVE HIGH PRIMARY STABILITY

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

Fully tapered body design

- Coronal: 2° - 12°
- Apex: 16°
- » Allowing under-osteotomy



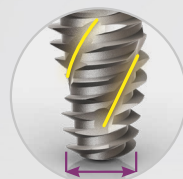
Hybrid contour

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



Active apex

- Soft rounded small tip
- Helical flutes
- » Enabling immediate loading



Dynamic progressive thread design

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



Acqua hydrophilic surface

Designed for high treatment predictability

acqua



Drive®

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



GRAND ESTHETICS

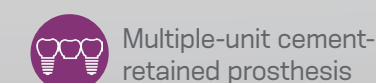
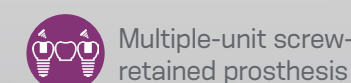
DELIVER IMMEDIATE NATURAL ESTHETICS



DR PAULO CARVALHO, from Portugal

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

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



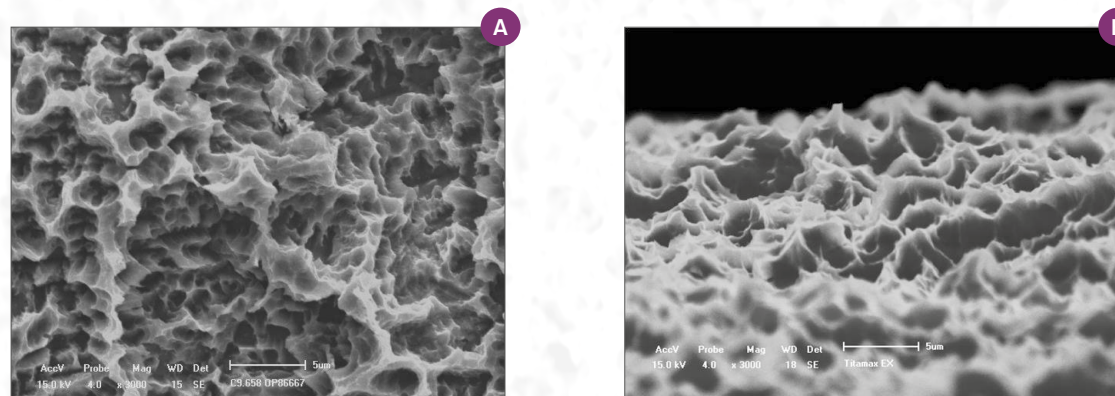
NeoPoros

Constant evolution and safety guarantee.

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

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

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



Controlled roughness on all implant surface. Scanning electron microscopy (A) shows macro (15-30µm) and (B) microtopography (0,3 - 1,3µm).

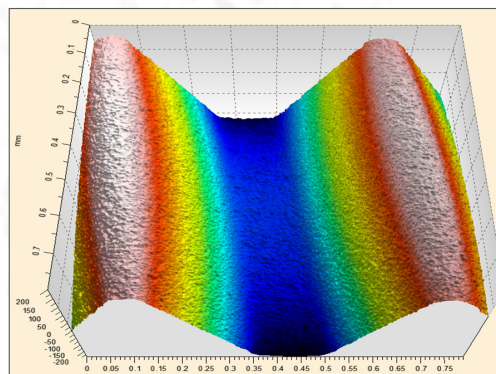


Image taken by confocal microscopy.
Roughness and Microtopography.
(Sa= 0,3 - 1,3 µm; Sz= 6,0 - 15,5 µm).



DR ANA TADORIC, from Serbia

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

acqua®

Acqua Hydrophilic Surface designed for high treatment predictability.

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

Hydrophilicity

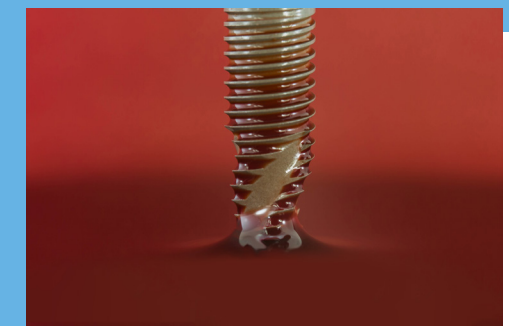
The hydrophilic surface presents a smaller contact angle when in contact with hydrophilic liquids. This provides greater accessibility of organic fluids to Acqua implant surface.⁽²⁾

Surface comparison

Lab generated images.



NeoPoros surface.



Acqua Hydrophilic
Surface.



DR GERT SAUER, from South Africa

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

Helix GM®

PRODUCT FEATURES:

Implants Description:

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

Indications:

- Indicated for all types of bone density and implant immediate placement post extraction.

Drilling features:

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

Available with:




Drill Sequence

	Initial	Ø 2.0	Ø 3.5	Ø 3.5+	Ø 3.5	Ø 3.75	Ø 3.75+	Ø 3.75	Ø 4.0	Ø 4.0+	Ø 4.0	Ø 4.3	Ø 4.3+	Ø 4.3	Ø 5.0	Ø 5.0+	Ø 5.0	Ø 6.0	Ø 7.0
	103.170	103.425	103.561	103.578	103.513	103.564	103.579	103.514	103.567	103.580	103.515	103.570	103.581	103.516	103.573	103.582	103.517	103.576	103.577
Ø 3.5	✓*	✓		✓	✓														
Ø 3.75	✓*	✓	✓				✓	✓											
Ø 4.0	✓*	✓	✓			✓				✓	✓								
Ø 4.3	✓*	✓	✓			✓			✓	✓			✓	✓					
Ø 5.0	✓*	✓	✓			✓			✓			✓	✓			✓	✓		
*Optional / Bone types I and II																			
Ø 3.5	✓*	✓	✓																
Ø 3.75	✓*	✓	✓			✓													
Ø 4.0	✓*	✓	✓			✓			✓										
Ø 4.3	✓*	✓	✓			✓						✓	✓						
Ø 5.0	✓*	✓	✓			✓						✓	✓			✓			
Ø 6.0	✓*	✓	✓			✓						✓	✓			✓		✓	
Ø 7.0	✓*	✓	✓									✓				✓		✓	✓*
*Optional / Bone types III and IV																			

Drill Sequence with Neodent® Control System

	Initial	Ø 2.0	Ø 3.5	Ø 3.5+	Ø 3.5	Ø 3.75	Ø 3.75+	Ø 3.75	Ø 4.0	Ø 4.0+	Ø 4.0	Ø 4.3	Ø 4.3+	Ø 4.3	Ø 5.0	Ø 5.0+	Ø 5.0	Ø 6.0	Ø 7.0
	103.170	103.492	103.493	103.500	103.513	103.494	103.501	103.514	103.495	103.502	103.515	103.496	103.503	103.516	103.497	103.504	103.517	103.498	103.499
Ø 3.5	✓*	✓		✓	✓														
Ø 3.75	✓*	✓	✓				✓	✓											
Ø 4.0	✓*	✓	✓			✓				✓	✓								
Ø 4.3	✓*	✓	✓			✓			✓	✓			✓	✓					
Ø 5.0	✓*	✓	✓			✓			✓			✓	✓			✓	✓		
*Optional / Bone types I and II																			
Ø 3.5	✓*	✓	✓																
Ø 3.75	✓*	✓	✓			✓													
Ø 4.0	✓*	✓	✓			✓			✓										
Ø 4.3	✓*	✓	✓			✓						✓	✓						
Ø 5.0	✓*	✓	✓			✓						✓	✓			✓			
Ø 6.0	✓*	✓	✓			✓						✓	✓			✓		✓	
Ø 7.0	✓*	✓	✓									✓				✓		✓	✓*
*Optional / Bone types III and IV																			

Helix GM® Implants

Ø 3.5	Acqua	NeoPoros	Ø 3.75	Acqua	NeoPoros	Ø 4.0	Acqua	NeoPoros	Ø 4.3	Acqua	NeoPoros
8.0	140.943	109.943	8.0	140.976	109.976	8.0	140.982	109.982	8.0	140.948	109.948
10.0	140.944	109.944	10.0	140.977	109.977	10.0	140.983	109.983	10.0	140.949	109.949
11.5	140.945	109.945	11.5	140.978	109.978	11.5	140.984	109.984	11.5	140.950	109.950
13.0	140.946	109.946	13.0	140.979	109.979	13.0	140.985	109.985	13.0	140.951	109.951
16.0	140.947	109.947	16.0	140.980	109.980	16.0	140.986	109.986	16.0	140.952	109.952
18.0	140.988	109.988	18.0	140.981	109.981	18.0	140.987	109.987	18.0	140.989	109.989
Ø 5.0	Acqua	NeoPoros	Ø 6.0	Acqua	NeoPoros	Ø 7.0	Acqua	NeoPoros	GM Cover Screw		
8.0	140.953	109.953	8.0	140.1009	109.1009	8.0	140.1059	109.1059	 0 mm 2 mm 117.021 117.022		
10.0	140.954	109.954	10.0	140.1010	109.1010	10.0	140.1060	109.1060			
11.5	140.955	109.955	11.5	140.1011	109.1011	11.5	140.1061	109.1061			
13.0	140.956	109.956	13.0	140.1012	109.1012	13.0	140.1062	109.1062			
16.0	140.957	109.957							:: Use the manual Neo Screwdriver (104.060); :: Do not exceed the insertion torque of 10 N.cm.		
18.0	140.990	109.990									

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.




















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
Ø 4.3							
	Acqua	140.964	140.965	140.966	140.967	140.968	140.969
Ø 5.0							
	Acqua	140.970	140.971	140.972	140.973	140.974	140.975

GM Cover Screw

	0 mm	2 mm
	117.021	117.022


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

GM Healing Abutment

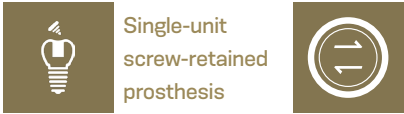
		0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
	Ø 3.3	106.207	106.208	106.209	106.210	106.211	106.212
	Ø 4.5	106.213	106.214	106.215	106.216	106.217	106.218
	Ø 5.5		106.250	106.251	106.252	106.253	
	Ø 6.5		106.254	106.255	106.256	106.257	

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

GM Customizable Healing Abutments

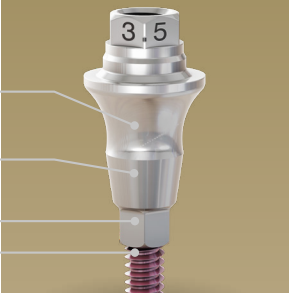
	Profile	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm	6.5 mm
	Ø 5.5	106.223	106.224	106.225	106.226	106.227	
	Ø 7.0		106.228	106.229	106.230	106.231	106.232

GM Abutment



Recommended for posterior region.

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



GM Mini Conical Abutment



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

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



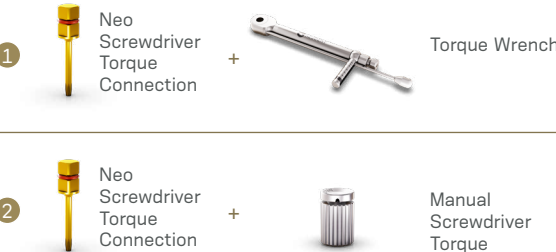
Installation Sequence

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

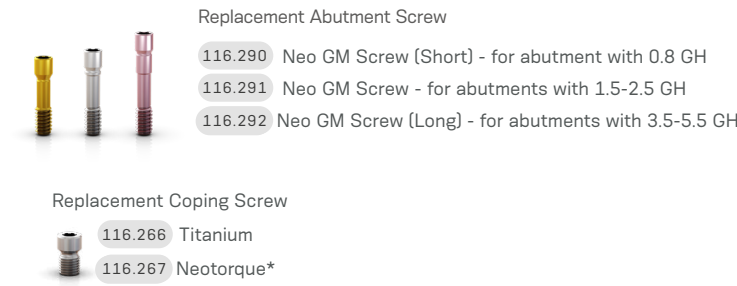
17° 115.275 115.276 115.277
30° 115.278 115.279 115.280



Drivers



Accessories

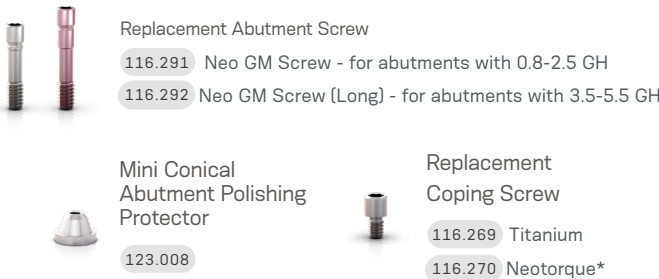


*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.

Drivers



Accessories



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

GM Micro Abutment

Single-unit screw-retained prosthesis

Multiple-unit screw-retained prosthesis

Ø 3.5 mm

Recommended for limited spaces and narrow inter-dental spaces.

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



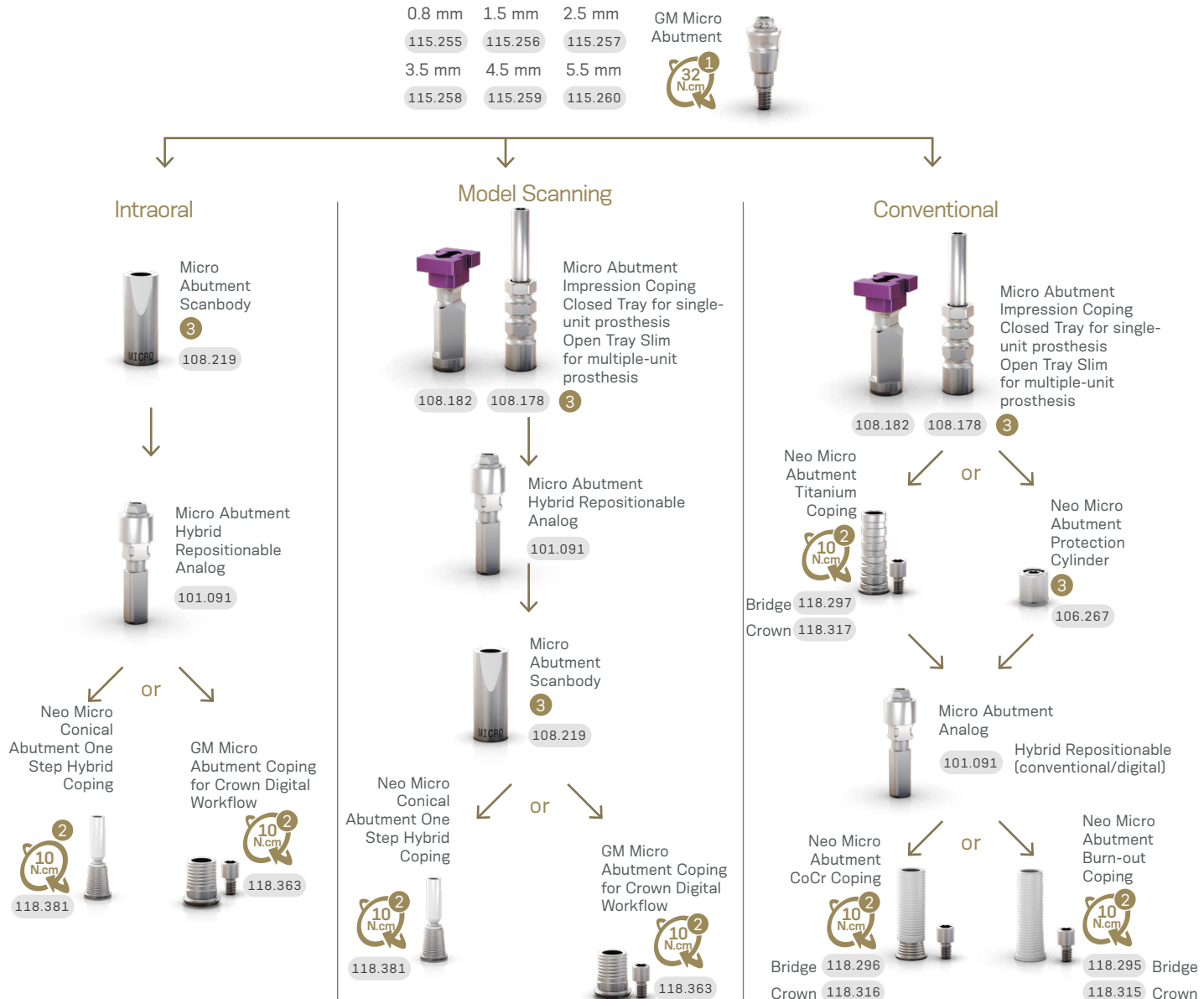
GM Anatomic Abutment

Single-unit cement-retained prosthesis

Recommended for anterior region.

Gingiva color for esthetic outcomes;
Click retention for provisional copings;
With internal threads for a secure engagement of the screw;
Exact;
Neo Removable Screw.

Installation Sequence



Installation Sequence

In Mouth

GM Exact Click Anatomic Abutment with Neo Removable Screw

1.5 mm 2.5 mm 3.5 mm
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
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 108.160 108.162
108.161 108.163

GM Implant Analog
Ø 3.5/3.75 101.103
Ø 4.0/4.3 101.089
Ø 5.0/6.0 101.090 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
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
114.868 114.869 114.870
114.871 114.872 114.873

Drivers

Hexagonal Prosthetic Driver + Torque Wrench

Neo Screwdriver Torque Connection + Torque Wrench

Neo Screwdriver Torque Connection + Manual Screwdriver Torque

Accessories

Micro Abutment Polishing Protector 123.015 Bridge

Replacement Coping Screw
116.269 Titanium
116.270 Neotorque*

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

Drivers

Neo Screwdriver Torque Connection + Torque Wrench

Neo Screwdriver Torque Connection + Manual Screwdriver Torque

Accessories

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

GM Universal Abutment



Single-unit cement-retained prosthesis



Ø 3.3/4.5 mm


Cementable area: 4.0 or 6.0 mm;

Click retention for provisional copings;

With internal threads for a secure engagement of the screw;

Exact;

Neo Removable Screw.



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




1 20 N.cm

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
4 mm 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
6 mm Ø 4.5	114.844	114.845	114.846	114.847	114.848	114.849

or




1 20 N.cm

GM Exact Click Universal Abutment 17° with Removable Screw

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

or




1 20 N.cm

GM Exact Click Universal Abutment 30° with Removable Screw

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

Intraoral




4 6

Universal Abutment Intraoral Scanbody

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

↓




Universal abutment Hybrid Repositionable analog

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

↓

Milled crown


Conventional



Click Universal Abutment Impression Coping

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


↓



Click Universal Abutment Provisional Coping

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


↓



Universal Abutment Analog

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

↓




Universal Abutment Burn-out Coping

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

Installation Sequence


Intraoral



2 108.207

GM Implant Intraoral Scanbody

↓




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




2

GM Implant Exact Impression Coping Closed and Open Tray

	Regular	Long
Ø 3.5/3.75	108.160	108.162
Ø 4.0/4.3	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)

↓



2 108.207

GM Implant Intraoral Scanbody

↓

	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 4mm

↓

	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 6mm

↓

	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm
Ø 3.5	118.322	118.325	118.329	4.0 mm	
Ø 4.5	118.323	118.327	118.342	6.0 mm	

GM Titanium Base Burn-out Coping

Conventional




2

GM Implant Exact Impression Coping Closed and Open Tray

	Regular	Long
Ø 3.5/3.75	108.160	108.162
Ø 4.0/4.3	108.161	108.163

↓

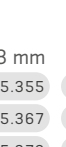


GM Implant Analog

	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	

↓

	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
	118.323	118.327	118.342

4.0 mm 6.0 mm

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

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.



GM Titanium Base Angled Solution (AS)



Single-unit
screw-
retained
prosthesis



Single-unit
cement-
retained
prosthesis




Ø 4.0/4.5/
5.5 mm

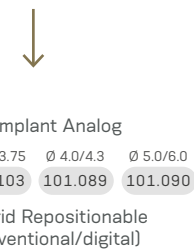
With removable screw.

Cementable area:
6.0 or 4.0 mm;

Exact.



Intraoral



Model Scanning



GM Implant Exact
Impression Coping
Open Tray

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)

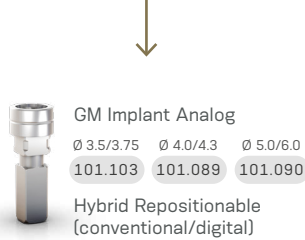


GM Titanium
Base for
Bridge

	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

20 N.cm

Intraoral

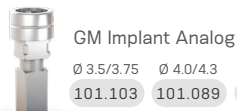


Model Scanning



GM Implant Exact
Impression Coping
Closed and Open Tray

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)



	0.8 mm	1.5 mm	2.5 mm				0.8 mm	1.5 mm	2.5 mm	
Ø 4.0	135.327	135.328	135.329	GM Titanium Base Angled Solution (AS) 4mm	or	GM Titanium Base Angled Solution (AS) 6mm	Ø 4.0	135.330	135.331	135.332
Ø 4.5	135.333	135.334	135.335				Ø 4.5	135.336	135.337	135.338
Ø 5.5	135.339	135.340	135.341				Ø 5.5	135.342	135.343	135.344

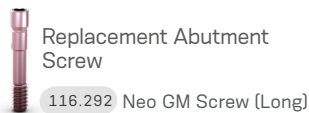
20 N.cm

Drivers

1 Neo Screwdriver Torque Connection + Torque Wrench

2 Neo Screwdriver Torque Connection + Manual Screwdriver Torque

Accessories



Drivers

1 Angled Solution Screwdriver for Torque Wrench + Torque Wrench

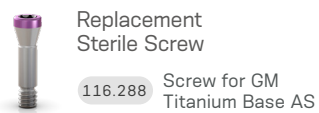
Angled Solution Screwdriver for Contra-angle + Contra-angle

105.150	Short
105.151	Regular
105.152	Long

or

105.147	Short
105.148	Regular
105.149	Long

Accessories

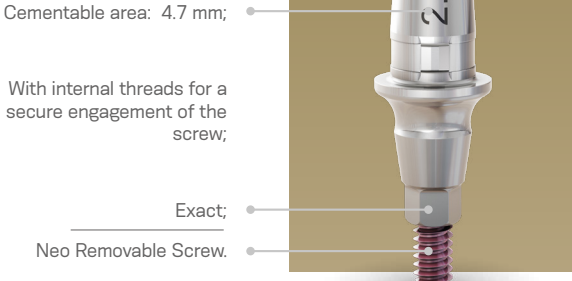


Titanium Base C for GM

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

Ø 4.65 mm



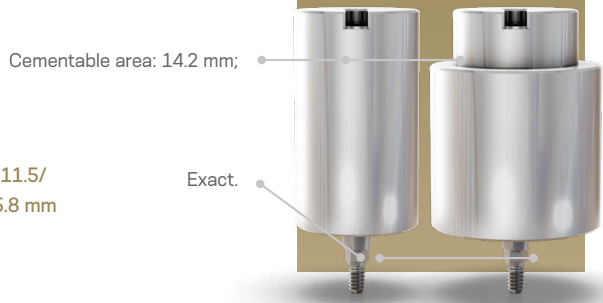
GM Titanium Block for MEDENTiKA Holder

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

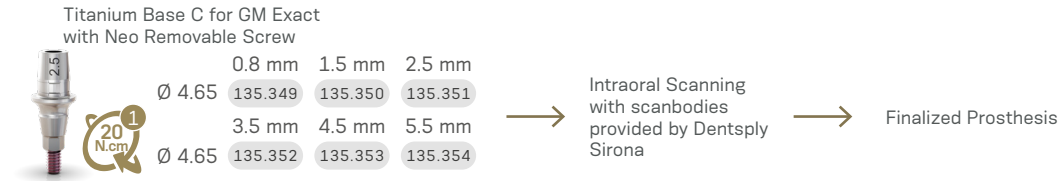
Multiple-unit cement-retained prosthesis

Ø 11.5/15.8 mm



Screw sold separately.

Installation Sequence



Workflow

Step 1
Gingiva height selection and ordering.

Select the Titanium Base C for GM Exact gingival height.

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

Step 2
Intra-oral scanning.

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

Insert scanbody on the Titanium Base C for GM Exact.

Step 3
Design and milling.

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

Mill the digital design.

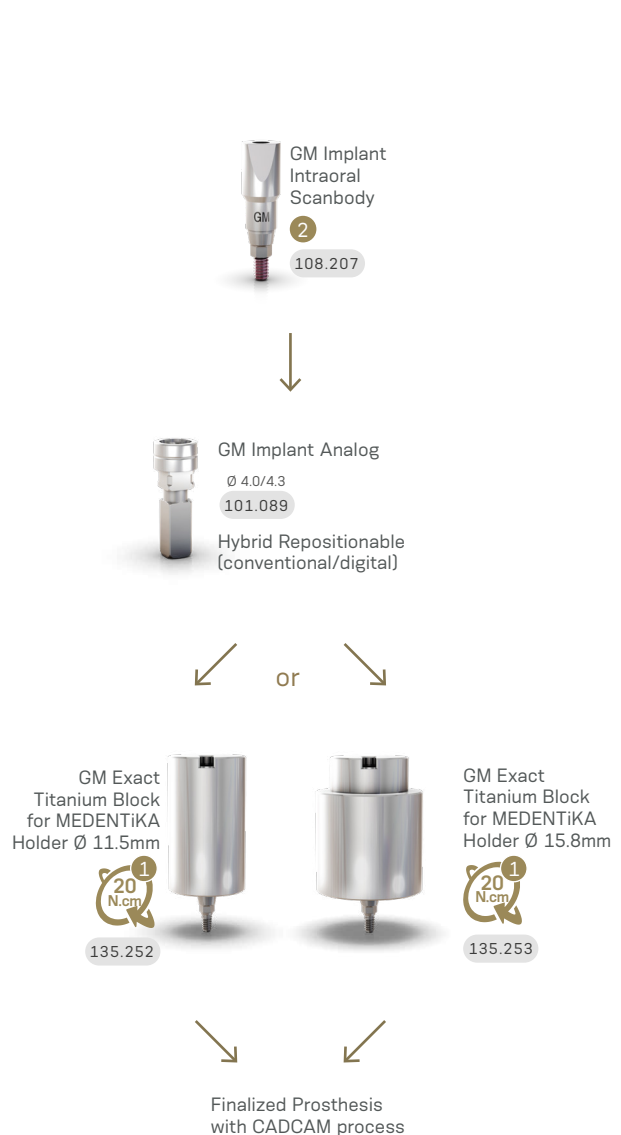
Step 4
Finalization and fixation.

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

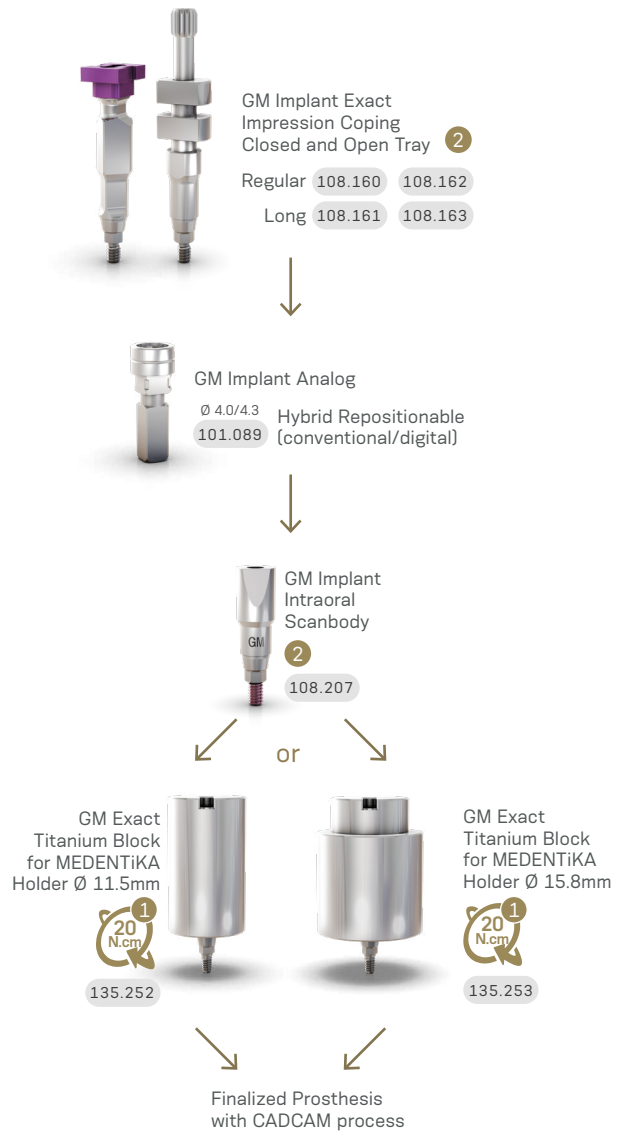
CEREC digital library compatibility						
Library	Sirona's Products				Compatible with implant System	
Ti-base	Scanbody	REF Scanbody Omnicam	REF Scanbody Bluecam / Ineos	Grinding block	Implant manufacturer	Implant system
NBB 3.4 L						
NB A 4.5 L						
SSO 3.5 L						
S BL 3.3 L						
S BL 4.1 L			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

Installation Sequence

Complete Digital Workflow



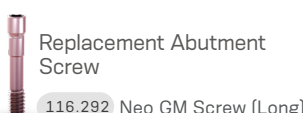
Semi Digital Workflow



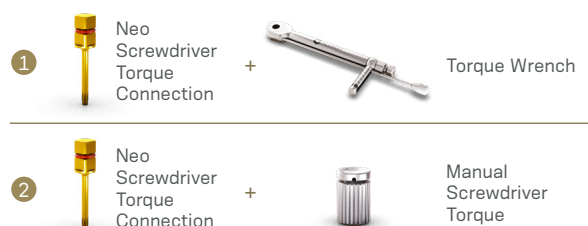
Drivers



Accessories



Drivers



Accessories



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

GM Titanium Block for AG Holder

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

Multiple-unit cement-retained prosthesis

Ø 12.0 mm

Screw sold separately.



GM CoCr Abutment

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

Ø 4.1/4.5/5.0 mm

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

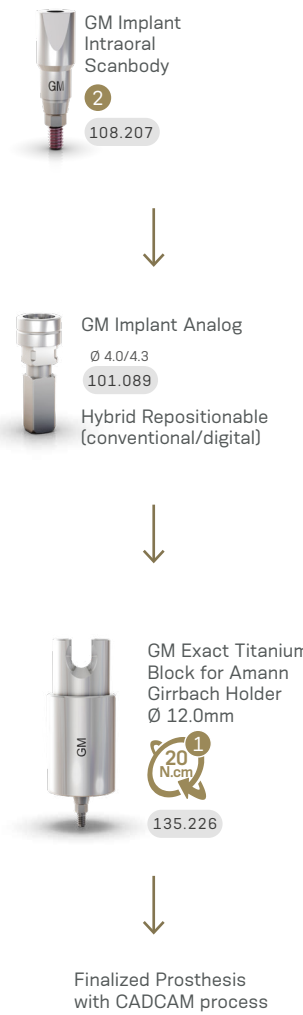
For implants placed at bone level.

Exact.

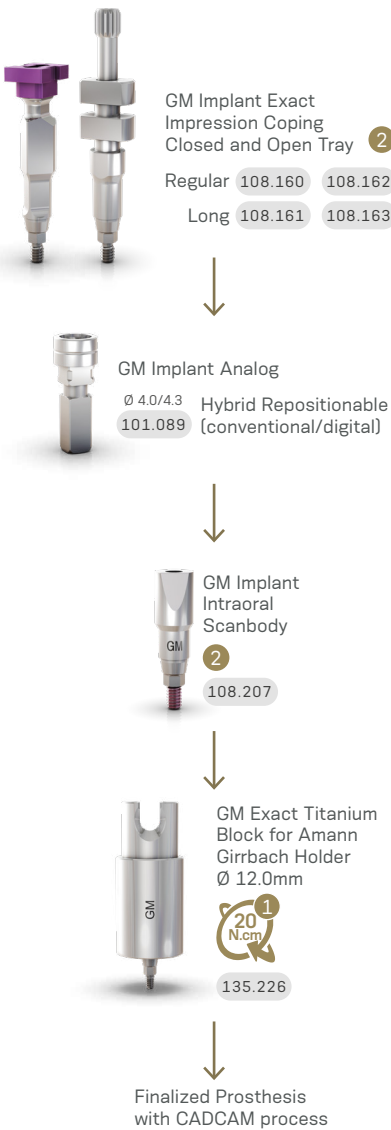


Installation Sequence

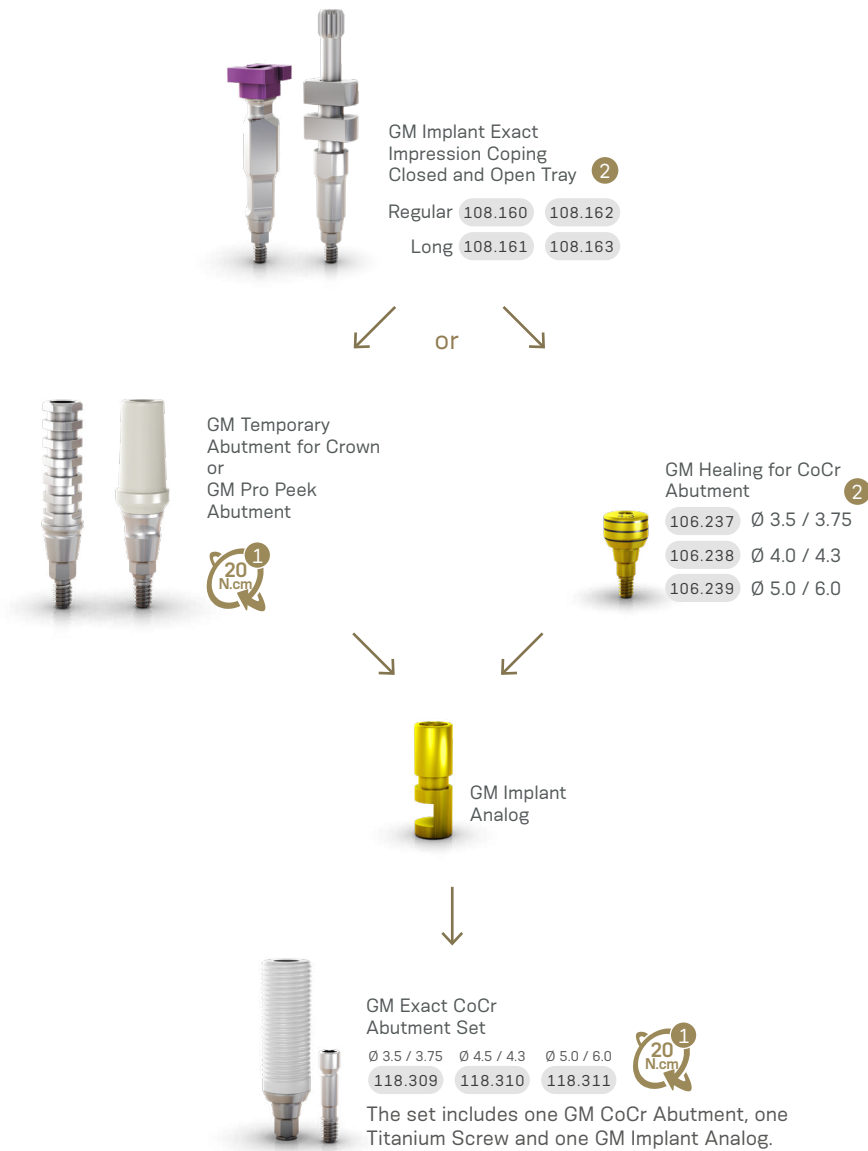
Complete Digital Workflow



Semi Digital Workflow



Installation Sequence



Drivers

Neo Screwdriver Torque Connection

Torque Wrench

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.

Drivers

Neo Screwdriver Torque Connection

Torque Wrench

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

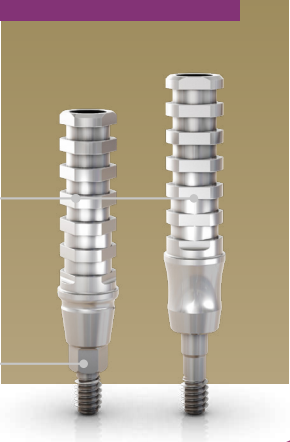
Customizable area made of titanium.
A minimum height of 4 mm of the customizable area must be kept.
With retentive grooves for acrylic material and allows customization.

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.



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);

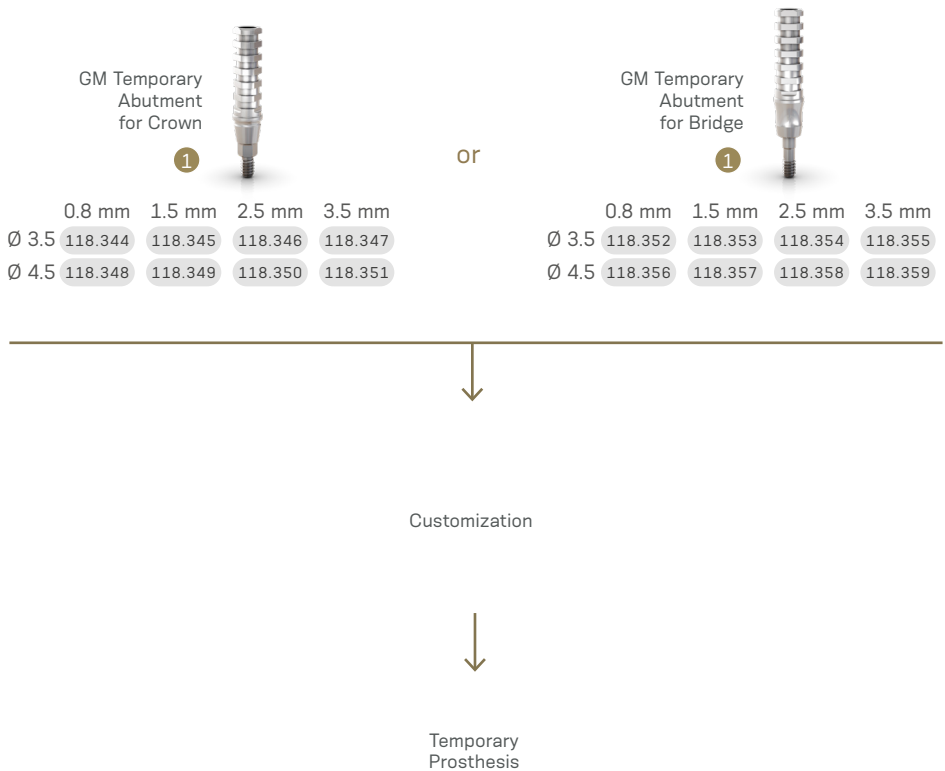
With internal threads for a secure engagement of the screw;

Exact;

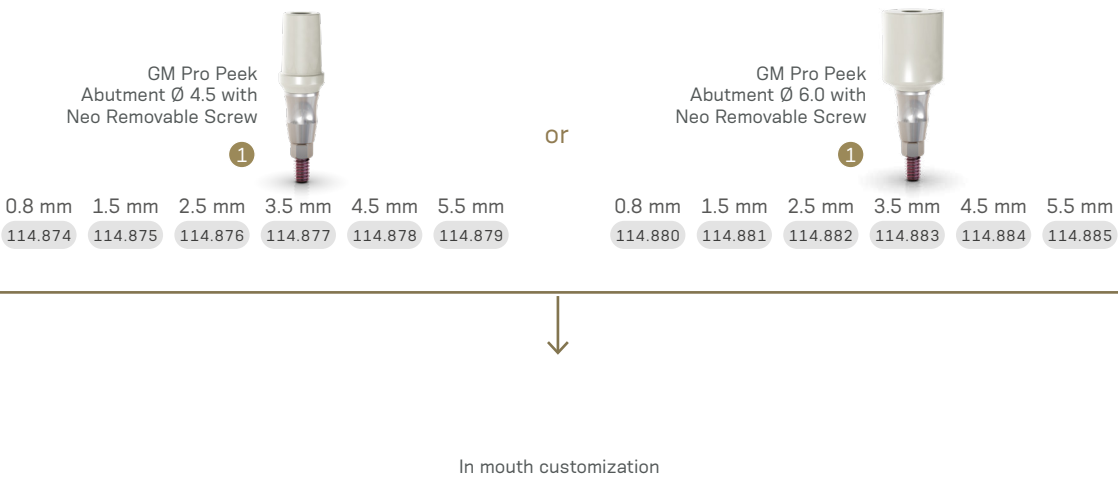
Neo Removable Screw.



Installation Sequence



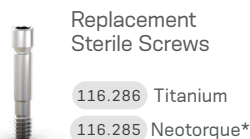
Installation Sequence



Drivers



Accessories

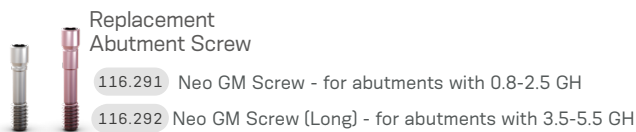


*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.

Drivers



Accessories



GM Novaloc

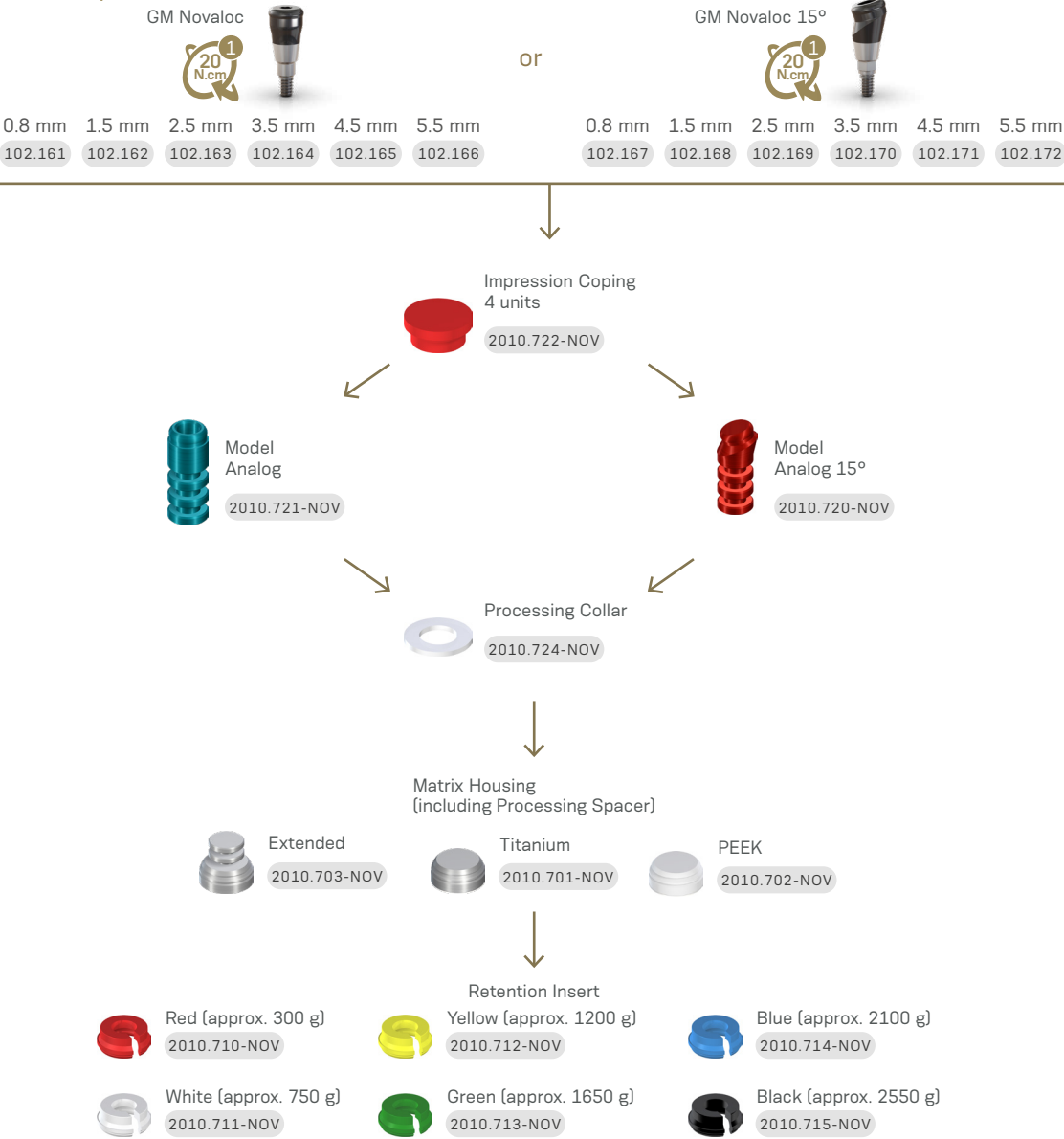


Overdenture

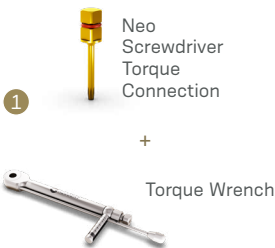
Angled version with removable screw.



Installation Sequence



Drivers



Accessories



Neodent® Grand Morse Implant Packaging

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

Package instruction of use



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



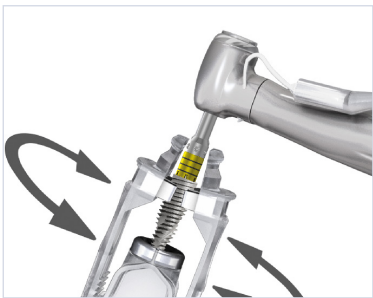
2. To remove the implant from the vial lift the cap up, which has the stand and implant attached to it.



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



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

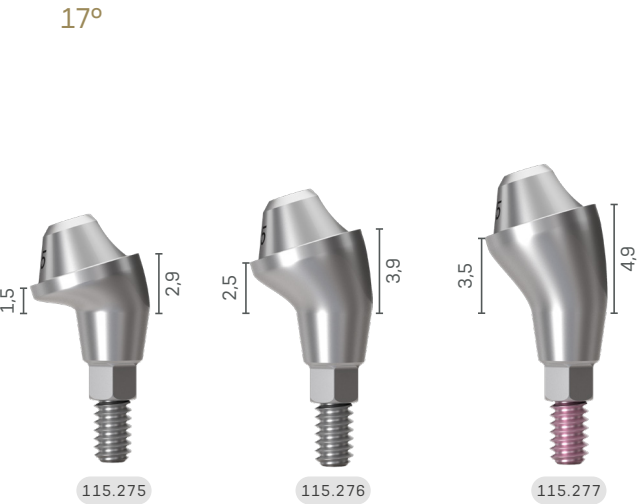


5. To capture the implant with the contra-angle handpiece attachment, grip the implant carrier while placing the attachment into the implant chamber.



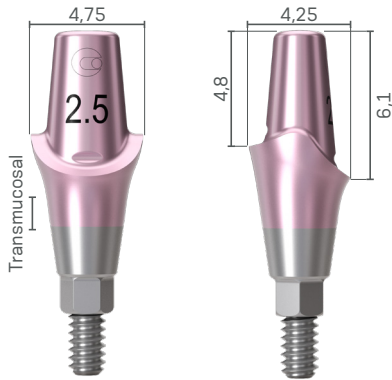
6. The implant can now be transported to the surgical site.

Measurements GM
Mini Conical Abutment

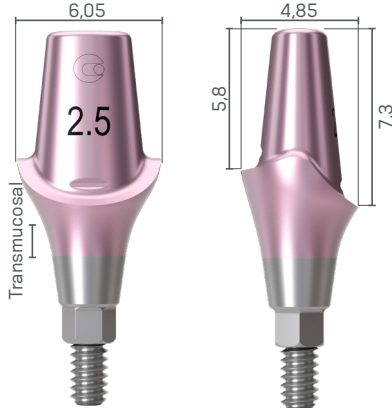


Measurements GM
Anatomic Abutment

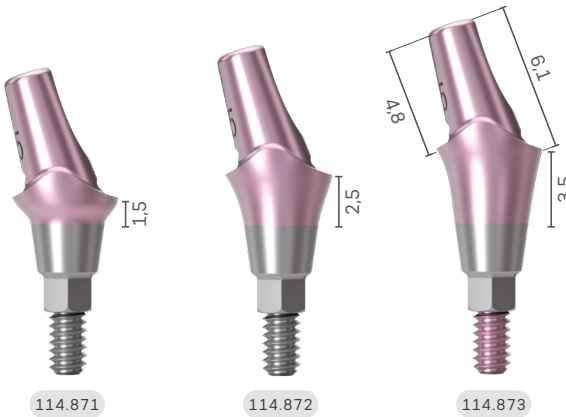
Narrow Anatomic
Abutment



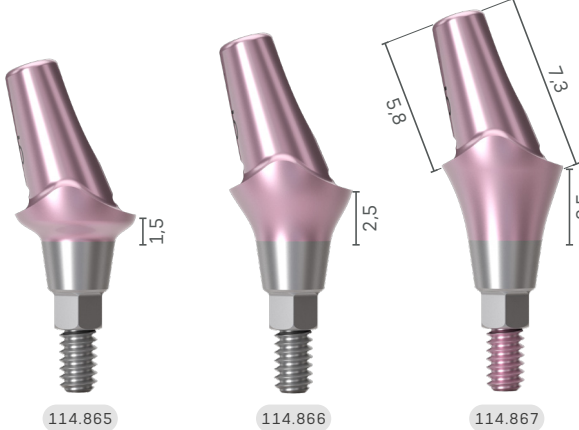
Anatomic
Abutment



Narrow Anatomic Abutment 17°

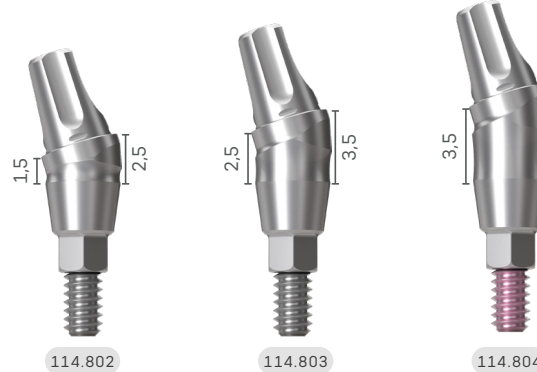


Anatomic Abutment 17°

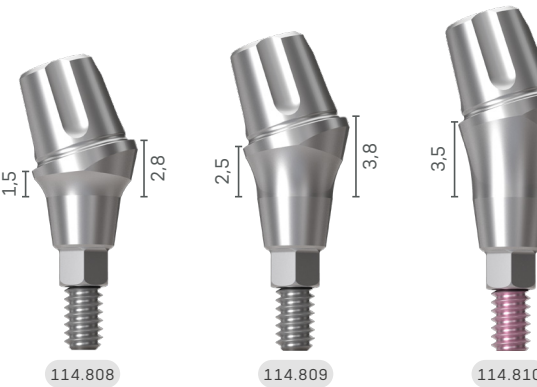


Measurements GM
Universal Abutment

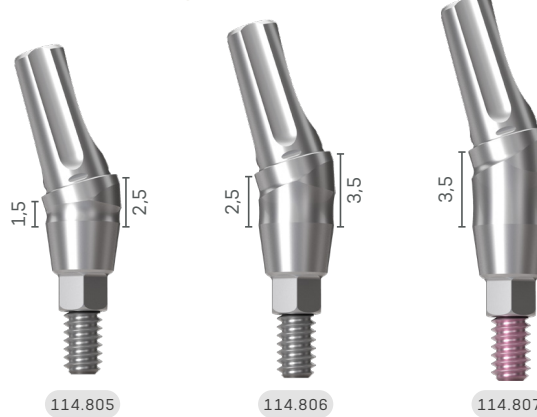
4 mm chimney height / Ø 3.3 / 17°



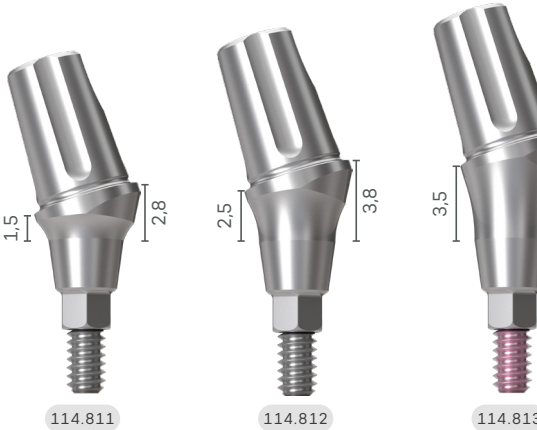
4 mm chimney height / Ø 4.5 / 17°



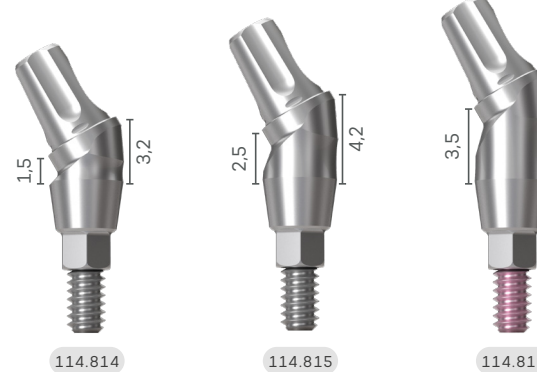
6 mm chimney height / Ø 3.3 / 17°



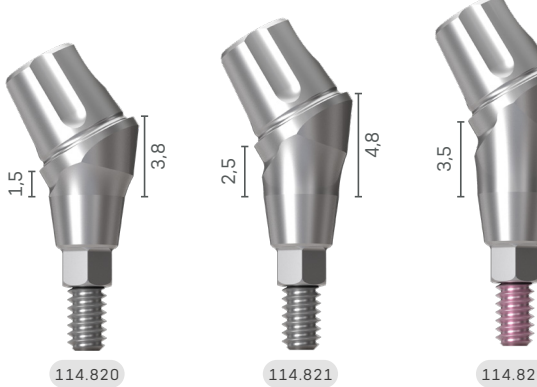
6 mm chimney height / Ø 4.5 / 17°



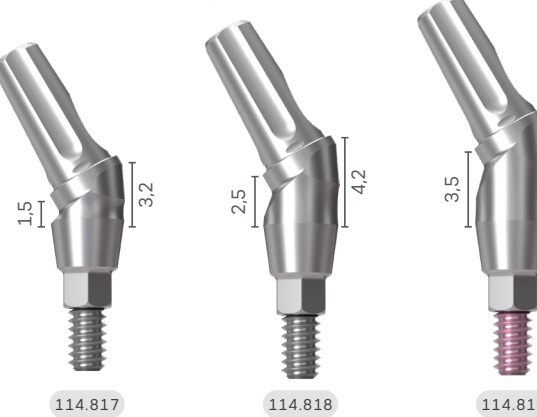
4 mm chimney height / Ø 3.3 / 30°



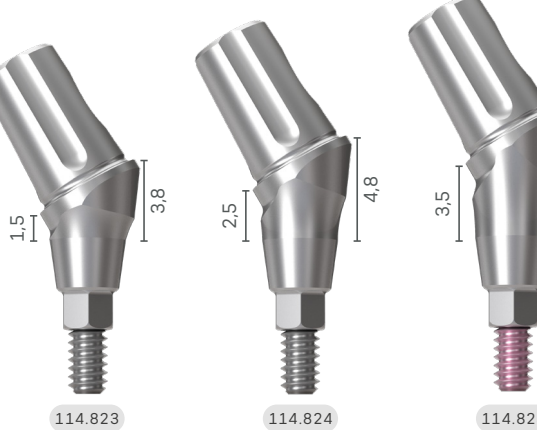
4 mm chimney height / Ø 4.5 / 30°



6 mm chimney height / Ø 3.3 / 30°



6 mm chimney height / Ø 4.5 / 30°



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.



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

- 110.297 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 17°
- 128.031 Angle Measurer for Drill 2.0 30°
- 128.019 Direction Indicator 2.8/3.5
- 128.020 Direction Indicator 3.0/3.75
- 128.021 Direction Indicator 3.3/4.0
- 128.022 Direction Indicator 3.6/4.3
- 128.023 Direction Indicator 4.3/5.0
- 129.004 Depth Probe
- 104.050 Torque Wrench

Note: Items that compose Neodent® Kits are sold separately.
*Tapered Drill 7.0 is not included in the pre-mounted kit composition (110.303).

Articles

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

- 103.578 Tapered Contour Drill 3.5
- 103.579 Tapered Contour Drill 3.75
- 103.580 Tapered Contour Drill 4.0
- 103.581 Tapered Contour Drill 4.3
- 103.582 Tapered Contour Drill 5.0
- 103.425 Tapered Drill 2.0
- 103.561 Tapered Drill 3.5
- 103.564 Tapered Drill 3.75
- 103.567 Tapered Drill 4.0
- 103.570 Tapered Drill 4.3
- 103.573 Tapered Drill 5.0
- 103.576 Tapered Drill 6.0
- 105.131 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.

Neodent controlsystem

User friendly kit retentive system

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



TRUST YOURSELF

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

Protect anatomical structures

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

Master limited visibility

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



Intuitive solution

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

Secure drill stop locking system

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

Multiple use solution

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



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

Neodent® Color Code overview



Color code according to implant length



Compatible portfolio of Helix GM® Implants



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



DR ARANTZA RODRIGUEZ, from Spain

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

Helix GM® Compact Kit Control Stop Drills

Autoclavable polymer case.
The Kit allows the installation of Helix GM® Implants in all bone types, using the Neodent® Control Stop Drills.
To order the pre-mounted version of the kit, with its complete composition, use code [110.308](#).



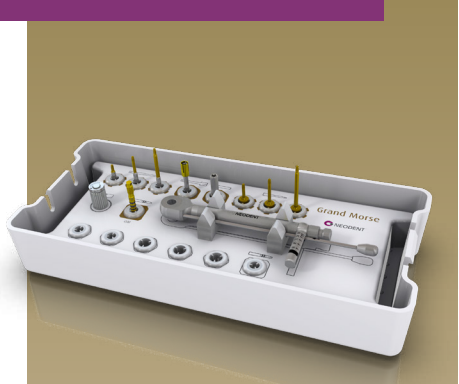
Articles

- | | | |
|---|---|--|
| 110.297 Helix GM® Compact Surgical Kit Case | 103.426 Drill Extension | 103.516 Pilot Drill 4.3 |
| 103.170 Initial Drill | 103.500 Tapered Control Stop Drill 3.5+ | 103.517 Pilot Drill 5.0 |
| 103.492 Tapered Control Stop Drill 2.0 | 103.501 Tapered Control Stop Drill 3.75+ | 128.028 GM Height Measurer |
| 103.493 Tapered Control Stop Drill 3.5 | 103.502 Tapered Control Stop Drill 4.0+ | 128.030 Angle Measurer for Drill 2.0 17° |
| 103.494 Tapered Control Stop Drill 3.75 | 103.503 Tapered Control Stop Drill 4.3+ | 128.031 Angle Measurer for Drill 2.0 30° |
| 103.495 Tapered Control Stop Drill 4.0 | 103.504 Tapered Control Stop Drill 5.0+ | 128.019 Direction Indicator 2.8/3.5 |
| 103.496 Tapered Control Stop Drill 4.3 | 105.131 GM Implant Driver - Contra-angle GM | 128.020 Direction Indicator 3.0/3.75 |
| 103.497 Tapered Control Stop Drill 5.0 | 105.130 Implant Driver - Torque Wrench (Long) | 128.021 Direction Indicator 3.3/4.0 |
| 103.498 Tapered Control Stop Drill 6.0 (Short) | 105.129 GM Implant Driver - Torque Wrench (Short) | 128.022 Direction Indicator 3.6/4.3 |
| 103.499 Tapered Control Stop Drill 7.0 (Short)* | 103.513 Pilot Drill 3.5 | 128.023 Direction Indicator 4.3/5.0 |
| 104.060 Neo Manual Screwdriver (Medium) | 103.514 Pilot Drill 3.75 | 129.004 Depth Probe |
| 104.028 Manual Implant Driver - Contra-angle | 103.515 Pilot Drill 4.0 | 104.050 Torque Wrench |

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

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.

Control Drill Stop Kit

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



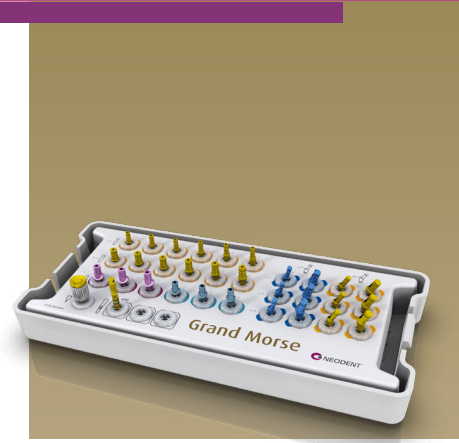
Articles

- | | |
|---|---|
| 110.307 Control Drill Stop Kit Case | 125.155 13.0 Control Drill Stop D3.75/4.0 |
| 125.144 8.0 Control Drill Stop D2.0 | 125.156 8.0 Control Drill Stop D4.3/5.0 |
| 125.145 10.0 Control Drill Stop D2.0 | 125.157 10.0 Control Drill Stop D4.3/5.0 |
| 125.146 11.5 Control Drill Stop D2.0 | 125.158 11.5 Control Drill Stop D4.3/5.0 |
| 125.147 13.0 Control Drill Stop D2.0 | 125.159 13.0 Control Drill Stop D4.3/5.0 |
| 125.148 8.0 Control Drill Stop D3.5 | 125.160 8.0 Control Drill Stop D6.0/7.0 |
| 125.149 10.0 Control Drill Stop D3.5 | 125.161 10.0 Control Drill Stop D6.0/7.0 |
| 125.150 11.5 Control Drill Stop D3.5 | 125.162 11.5 Control Drill Stop D6.0/7.0 |
| 125.151 13.0 Control Drill Stop D3.5 | 125.163 13.0 Control Drill Stop D6.0/7.0 |
| 125.152 8.0 Control Drill Stop D3.75/4.0 | |
| 125.153 10.0 Control Drill Stop D3.75/4.0 | |
| 125.154 11.5 Control Drill Stop D3.75/4.0 | |

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

Grand Morse® Try-In Kit

Autoclavable polymer case.
To order the pre-mounted version of the kit, with its complete composition, use code [110.305](#).



Articles

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

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

Grand Morse® Instruments



Initial Drill

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

103.170

Tapered Drills

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



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

Tapered+ Drills

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



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

Pilot Drills

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



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

Twist Drills

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



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



Tapered Control Stop Drills

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

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



Tapered+ Control Stop Drills

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

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

Control Drill Stops

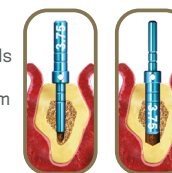
- :: Available in titanium;
- :: To be used in association with the Control Stop Drills;
- :: Physical control for drilling depth.



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

Direction Indicators

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



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



Drill Extension

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

103.426



GM Height Measurer

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

128.028

GM Implant Driver - Contra-Angle



- :: To capture the implant directly from the packaging;
- :: To place GM Implants with contra-angle, or attached to a manual driver for contra-angle connections (104.028) for hand placement;
- :: With six dimples to indicate the hex index face position;
- :: The laser marks indicate the depth of implant placement, bone level, 1 and 2mm infra-bone and last marking (3mm) biological space;
- :: Maximum torque 35 N.cm.

105.131

GM Implant Driver - Torque Wrench



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

Short 22 mm	Long 30 mm
105.129	105.130

Neo Screwdriver Torque Connection - Torque Wrench



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

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

Neo Manual Screwdriver



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

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

Neo Screwdriver Torque Connection - Contra-angle



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

Extra Short 16.5 mm	Short 24 mm	Long 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 16.5 mm	Medium 22.5 mm	Long 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 20 mm	Medium 26 mm	Long 32 mm
105.147	105.148	105.149

GM Bone Profile Drill with Guide



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

103.424

Angle Measurer for Drill 2.0



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

17°	30°
128.030	128.031

GM Angle Measurer



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

17°	30°
128.032	128.033

Control Stop Kit Holder



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

110.310

Manual Implant Drivers



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

Contra-angle Connections	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

130.118	Long 130.114
---------	-----------------

Remover for Neo Screws



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

130.119	Long 130.115
---------	-----------------

Torque Wrench



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

104.050

Removal Sets for Abutments with internal threads and Neo Screws

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



130.117	Long 130.116
---------	-----------------

SIMPLICITY AT ONE HAND

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



STRAIGHTFORWARD GUIDED SURGERY TECHNIQUE

Surgical convenience with one-hand procedures



EFFICIENT TREATMENT PROTOCOLS

Intuitive and simple technique



PREDICTABLE SURGICAL RESULTS

Confidence for accurate implant positioning



PATIENT TREATMENT ACCEPTANCE

Communication building trust and patient engagement



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

Simple technique

Reduced number of instruments

Surgeries can be performed without assistance

ONE DRILL DESIGN

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



COLOR CODE ACCORDING TO IMPLANT DIAMETER



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



LASER-MARKED LENGTH

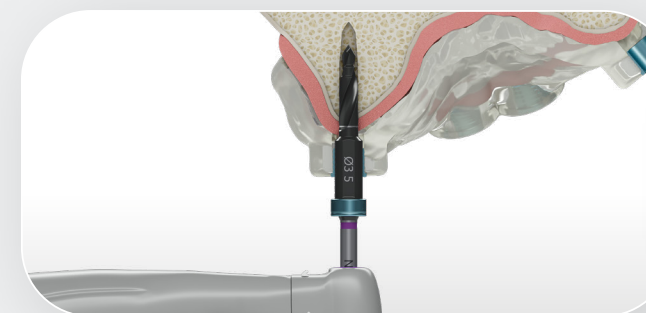


ACTIVE PORTION MATCHING IMPLANT LENGTHS



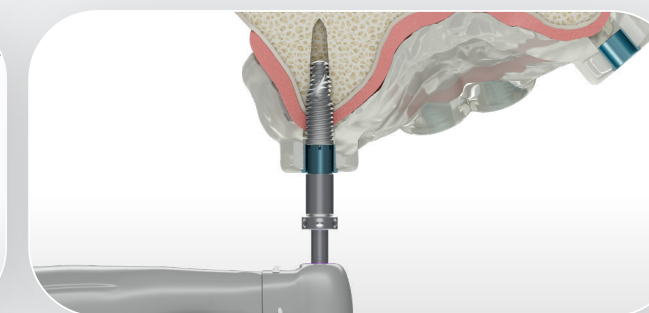
DR FERNANDO DUQUE, from France

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



FULLY GUIDED IMPLANT INSERTION

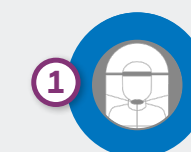
- Implant driver fits the sleeve, for a fully guided insertion with physical depth control;
- Offset: 10 mm.



FULLY GUIDED BED PREPARATION

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

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



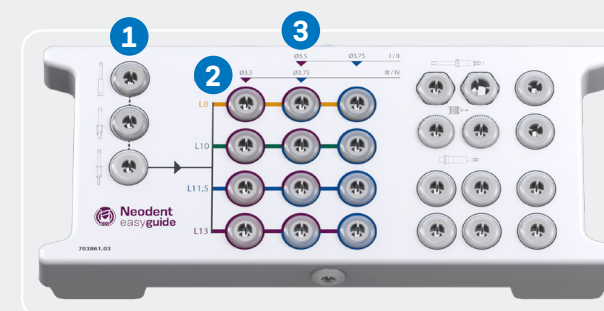
2. VIRTUAL PLANNING
Implant positioned respecting the patient's anatomy and prosthetic outcome. Neodent® EasyGuide is compatible with major software.

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

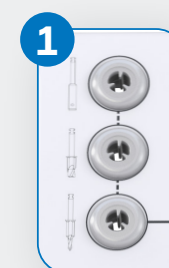
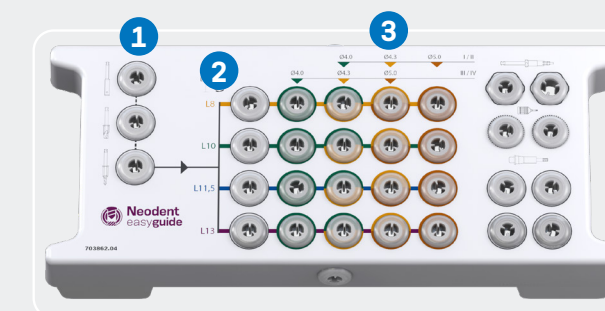


4. SURGICAL PROCEDURE
Neodent® EasyGuide presents two surgical kits, selected according to the implant diameter.

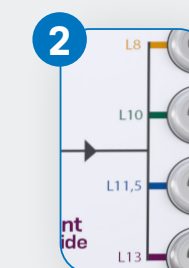
EASYGUIDE KIT NARROW/REGULAR • Ø 3.5, Ø 3.75



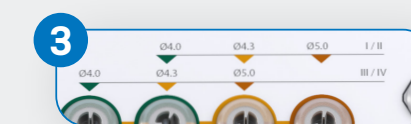
EASYGUIDE KIT REGULAR/WIDE • Ø 4.0, Ø 4.3, Ø 5.0



UNIQUE START REGARDLESS OF BONE TYPE



STRAIGHTFORWARD IMPLANT LENGTH IDENTIFICATION



COLOR CODED DRILL SEQUENCE FOR EACH IMPLANT DIAMETER



NARROW SLEEVE: Ø3.5/Ø3.75



REGULAR SLEEVE: Ø4.0/Ø4.3/Ø5.0



DR MAJA CHMIELEWSKA, from Poland

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

Neodent® EasyGuide Kits

Neodent® EasyGuide Kit for Narrow/Regular Diameter Implants

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



Articles

- 110.313 EasyGuide Kit Narrow/Reg. Diam. Tray
- 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 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



Neo Manual Screwdriver

- :: Available in surgical steel and titanium.

Medium
25 mm
104.060



GM Drivers for Torque Wrench

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

Narrow Regular
105.162 105.164



Neo Screwdriver Torque Connection - Contra-angle

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

105.167



Guide Stabilizers

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

Narrow Regular
125.170 125.171



Torque Wrench

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

104.050

Depth Probe

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



129.034

Sleeves for Neodent® EasyGuide

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



125.165 Regular Sleeve D5.2



125.168 Narrow Sleeve D3.93



125.177 Sleeve for Palatal Setter



125.143 Sleeve for Fixation Clamp



A SMILE FOR EVERYONE

NEODENT® NEOARCH®

IMMEDIATE FIXED FULL-ARCH SOLUTION

Increasing expectations for shortened treatment duration represent a significant challenge for dental professionals especially in patients with anatomical deficiencies. The Neodent® Implant System offers an optimized solution for immediate fixed treatment protocols in edentulous patients even with severe atrophic maxilla. Neodent® NeoArch® allows to significantly improve patient satisfaction and quality of life by immediately restoring function and esthetics ⁽¹⁰⁾.



DR PEDRO RODRIGUES, from Portugal

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

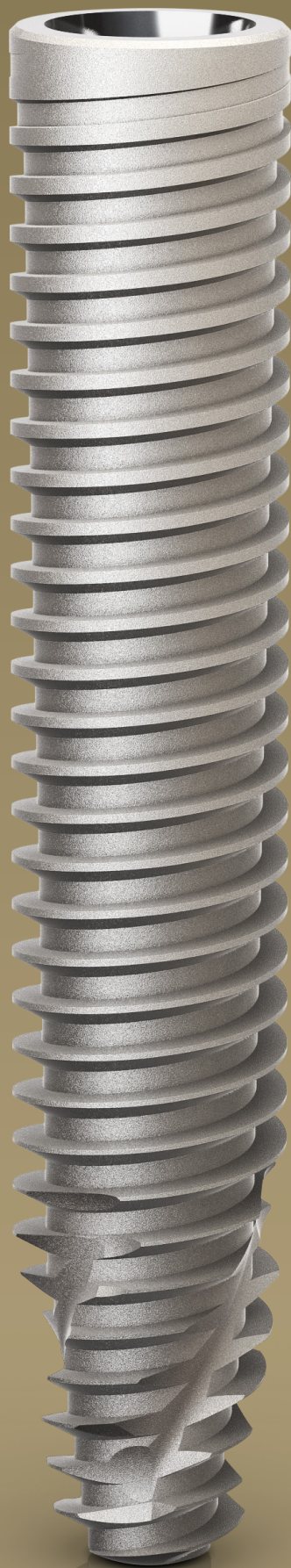
Helix GM® Long

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.		

NeoArch[®] Kits

Helix GM[®] Long Compact Surgical Kit

Autoclavable polymer case.



Articles

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

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

NeoArch® Instruments



Helix GM® Long Drills

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

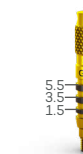
Initial	Ø 2.35	Ø 3.75	Ø 4.0
103.453	103.462	103.463	103.464



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



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



Neo Screwdriver Torque Connection - Torque Wrench

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

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



Neo Manual Screwdriver

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

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

Neo Screwdriver Torque Connection - Contra-angle

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

Extra Short 16.5 mm	Short 24 mm	Long 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



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



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 removable 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.



DR IVA MILINKOVICH, from Serbia

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

DIFFERENTIATE YOUR PRACTICE WITH GUIDED SURGERY.



Improve patient quality of life.

- Functional with an immediate fixed restoration.
- Esthetical with a personalized restoration and less bone remodeling ⁽¹³⁾.
- Comfort by the reduction of operative and postoperative discomfort (e.g. reduced patient chair time).



Access to more treatment options.

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



Increase patient acceptance.

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

SURGICAL PREDICTABILITY AND EFFICIENCY WITH A LIMITLESS SOLUTION.

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



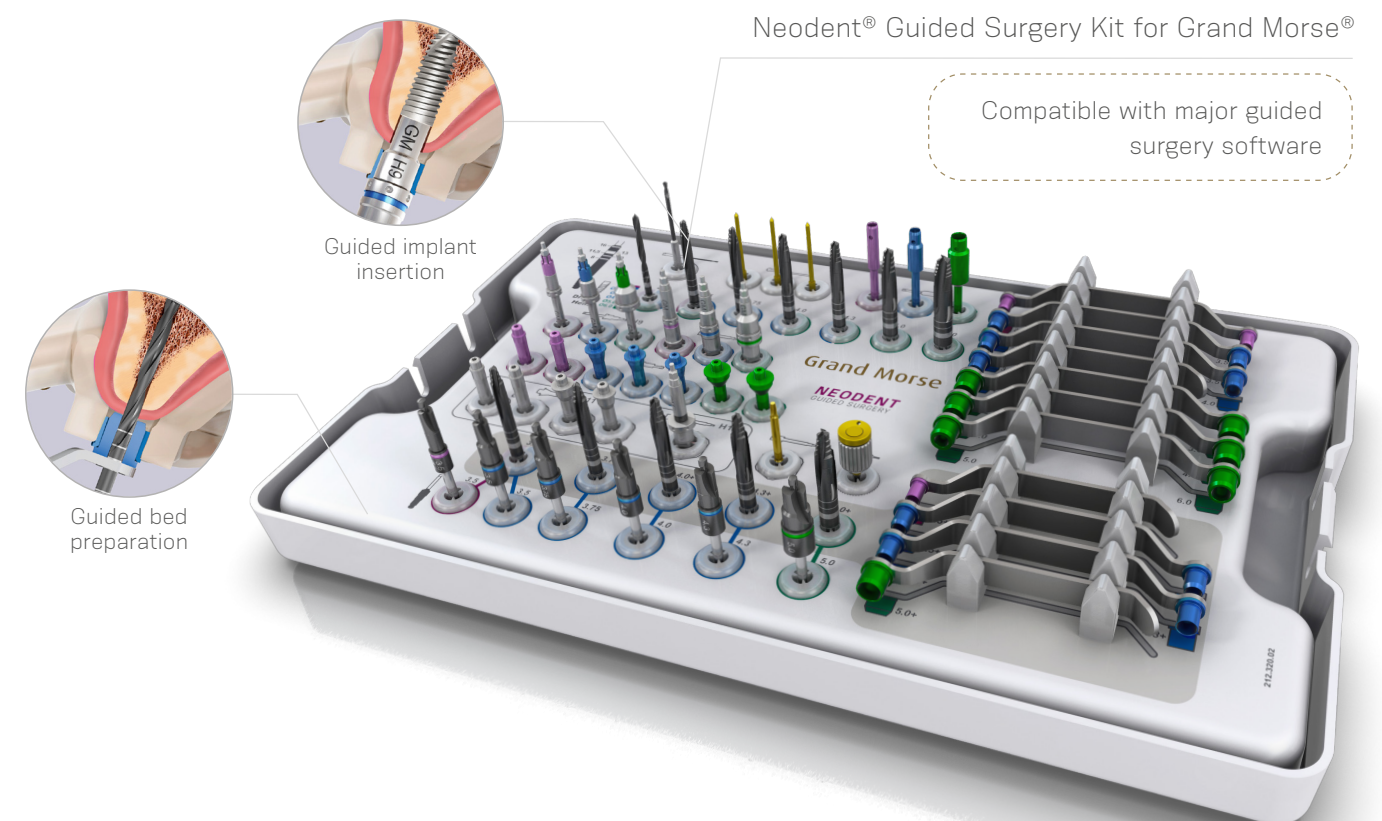
Complete
Helix® and Drive GM®
Implants portfolio



Convenient
Color-coded instruments
and symbol-marked



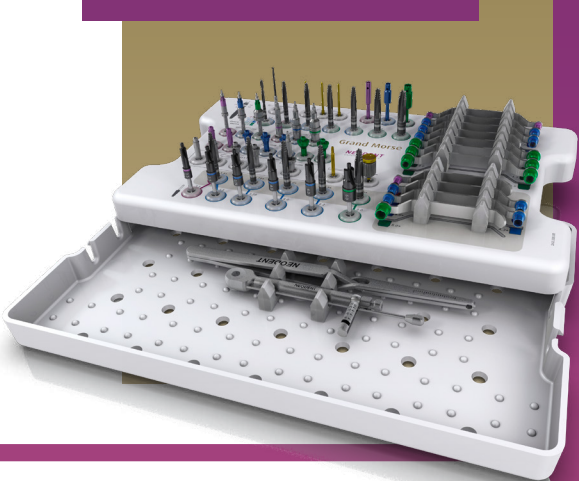
Flexible
2 sleeve height positions



Neodent® Guided Surgery Kit

Grand Morse® Guided Surgery Surgical Kit

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



Articles

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

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



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



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 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 GM Pilot Drills

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

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



Guided Surgery Drill Guides

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

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

Neodent® Helix GM Narrow

SMALL DIAMETER, GREAT ACHIEVEMENTS.

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

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

Ø 2.9



CONFIDENCE WITH A STABLE LONG-TERM IMPLANT FOUNDATION

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

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

RELIABLE AND STRONG GM NARROW CONNECTION

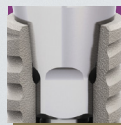
16° Morse Taper connection

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



Internal hexagonal indexation

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



Platform switching

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



Screw-retained interface

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



COMMERCIALLY PURE AND MECHANICALLY STRONG TITANIUM GRADE 4

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

Static torsion test

	+ 12,7%
New small diameter Neodent® system (Ti Gr 4)	
Former small diameter Neodent® system (Ti6Al4V-ELI)	

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ACQUA HYDROPHILIC SURFACE'S AND TREATMENT PREDICTABILITY

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

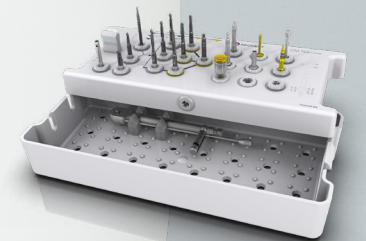


SIMPLICITY FOR TREATMENT PROTOCOLS

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

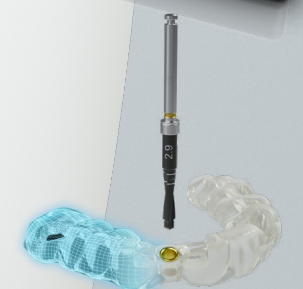
An intuitive and functional compact surgical cassette

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



A predictable guided procedure with the easyguide concept

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



One Screwdriver available both for Neodent® GM and GM Narrow

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





FLEXIBILITY FOR IMMEDIATE ESTHETIC OUTCOMES

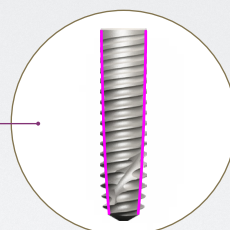
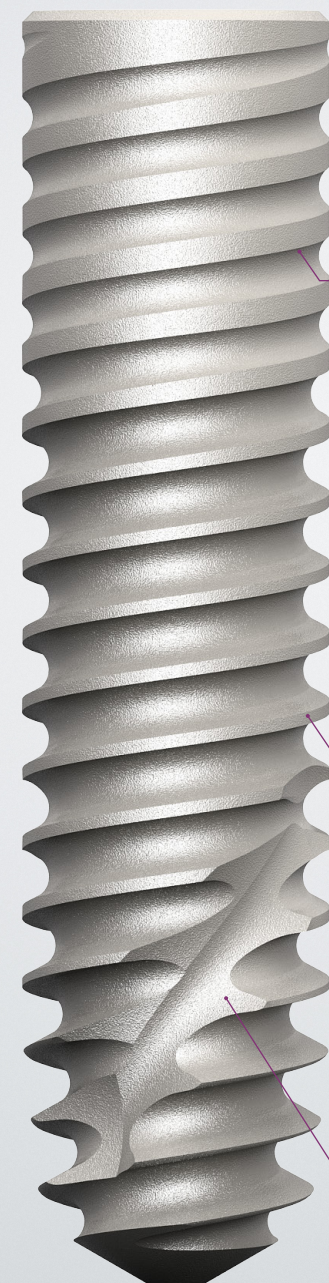
Patients lacking bone availability in the esthetic zone or experiencing limited space between adjacent teeth, can make tooth replacement procedures challenging for implant clinicians. When coupled with a lack of adequate prosthetic options to correctly replace missing teeth, patient satisfaction declines,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

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

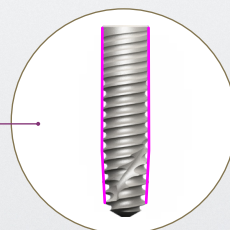
THE UNBEATABLE VERSATILITY OF HELIX

Dynamic progressive thread design

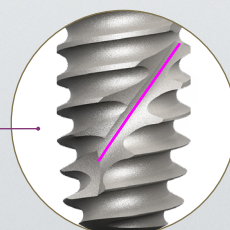
- Coronal: Double start threads with rounded root > compressing;
 - Apex: V-Shape > Self-cutting
- High primary stability.



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



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



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



A SOLUTION FOR LIMITED BONE AVAILABILITY IN ALL BONE TYPES

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



COMPREHENSIVE PROSTHETIC PORTFOLIO FOR OPTIMIZED ESTHETIC AND FUNCTIONAL RESULTS

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

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



Titanium Temporary Abutment



Titanium Base



Universal Abutment



Micro Abutment



Attachment Removable



DR FEDERICO MANDELLI, from Italy

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



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



Multiple-unit screw-retained prosthesis



Temporary



Overdenture

Helix GM Narrow

PRODUCT FEATURES:

Implants Description:

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

Indications:

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










Drilling features:


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

Available with:















Drill Sequence for conventional surgery


								
	Initial	Ø 2.0 10 mm	Ø 2.0 12 mm	Ø 2.0 14 mm	Ø 2.9 10 mm	Ø 2.9 12 mm	Ø 2.9 14 mm	Countersink
	103.586	103.589	103.590	103.591	103.592	103.593	103.594	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	Leveling Drill	Initial	Ø 2.0 10 mm	Ø 2.0 12 mm	Ø 2.0 14 mm	Ø 2.9 10 mm	Ø 2.9 12 mm	Ø 2.9 14 mm	Countersink
	103.585	103.587	103.588	103.589	103.590	103.591	103.592	103.593	103.594	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					
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.

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



NGM Universal Abutment

Single-unit cement-retained prosthesis

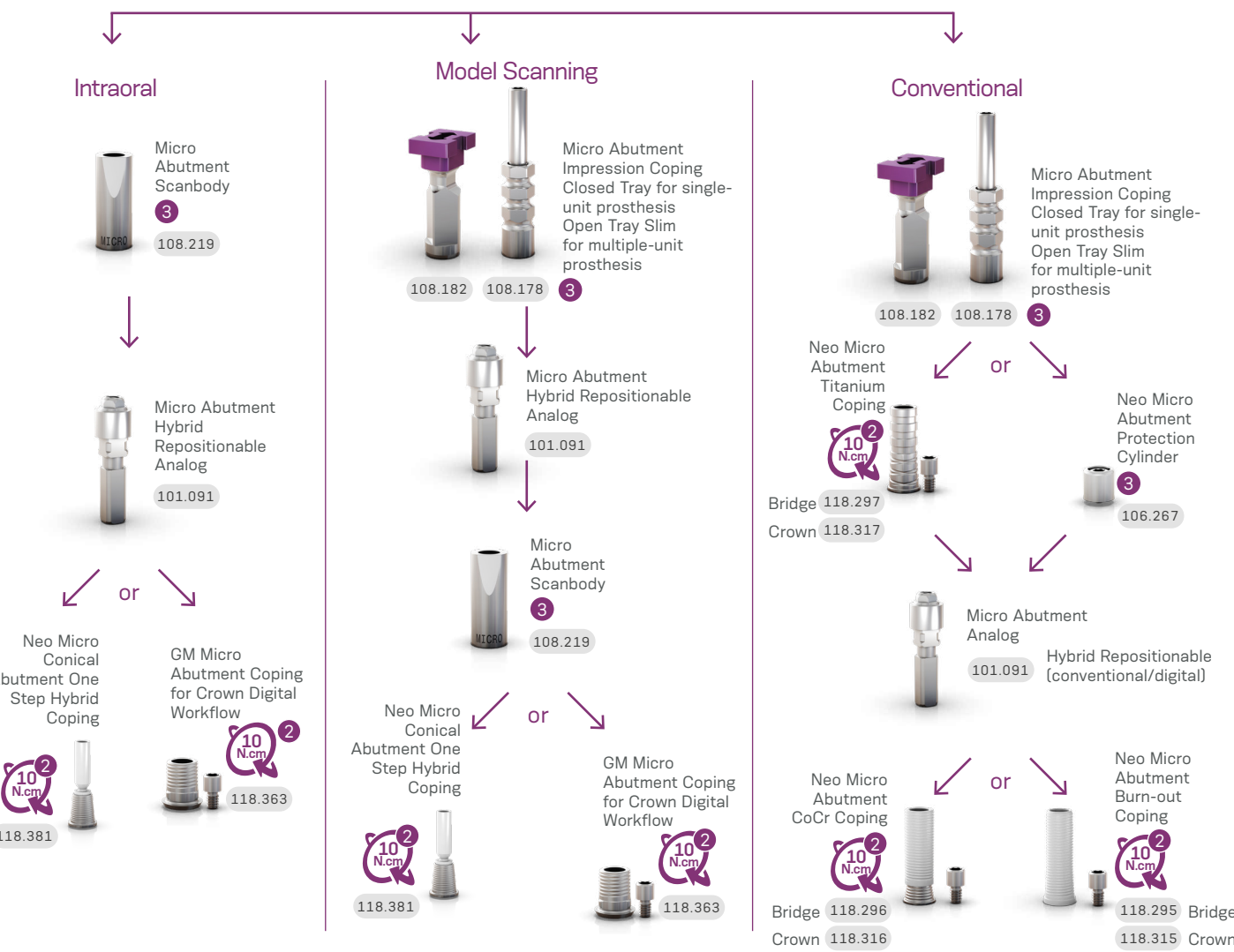
Ø 3.3 mm

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



Installation Sequence

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



Installation Sequence

NGM Exact Click Universal Abutment	0.8 mm	1.5 mm	2.5 mm	3.5 mm
4 mm	114.902	114.903	114.904	114.905
6 mm	114.906	114.907	114.908	114.909

or

NGM Exact Click Universal Abutment 17°	1.5 mm	2.5 mm	3.5 mm
4 mm	114.910	114.911	114.912
6 mm	114.913	114.914	114.915



Drivers

Hexagonal Prosthetic Driver

Torque Wrench

Neo Screwdriver Torque Connection

Torque Wrench

Neo Screwdriver Torque Connection

Manual Screwdriver Torque

Accessories

Micro Abutment Polishing Protector 123.015 Bridge

Replacement Coping Screw 116.269 Titanium 116.270 Neotorque*

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

Drivers

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

Neo Removable screw


Ø 3.5 mm

Customizable up to 4 mm high;


Cementable area: 6.0 or 4.0 mm;


Exact;

Neo Removable screw;



NGM Temporary Abutment

Single-unit screw-retained temporary prosthesis

Neo Removable screw


Ø 3.5

Channels of customizations;

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

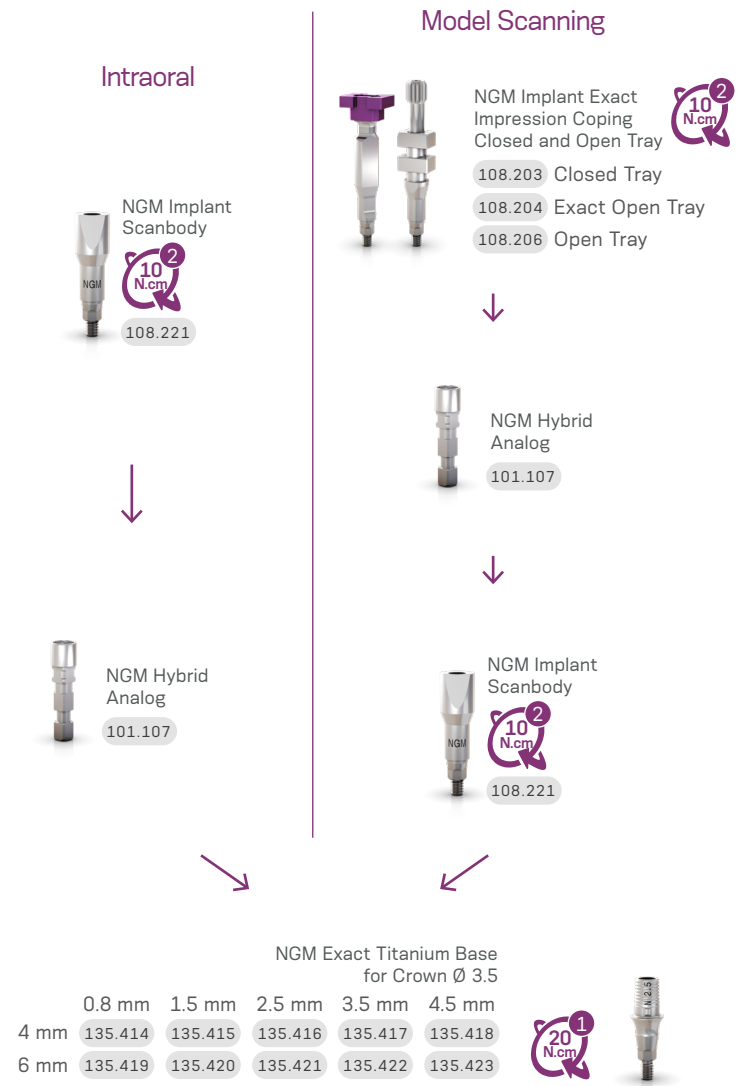
Exact.

Neo Removable screw;

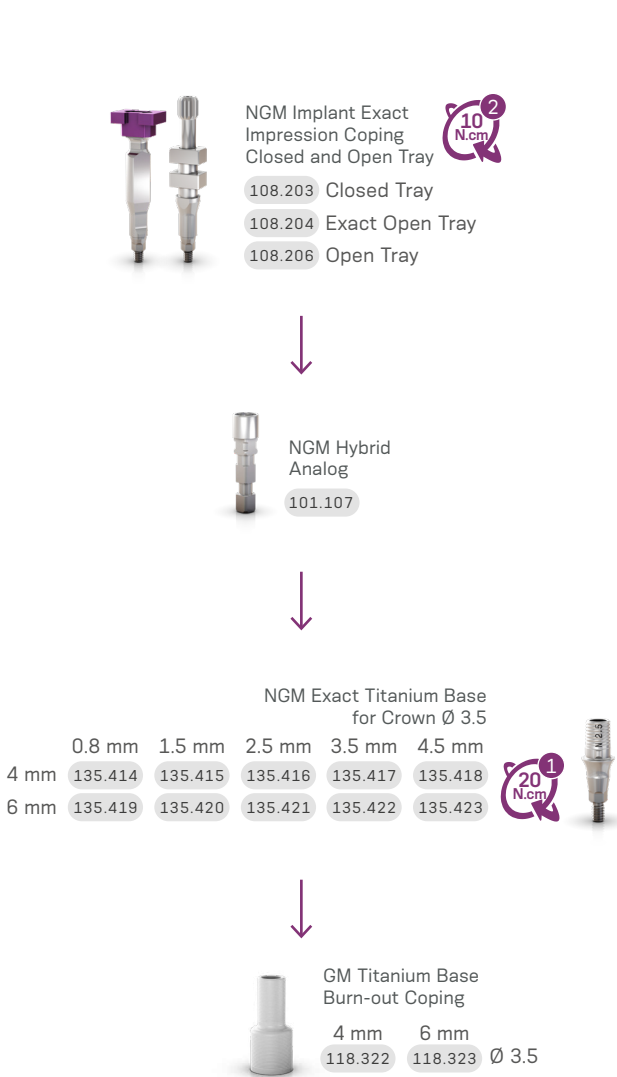


Implant level.

Installation Sequence



Conventional



Installation Sequence

	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

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.

Drivers

1 Neo Screwdriver Torque Connection

+ Torque Wrench

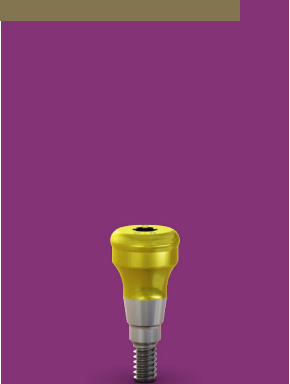
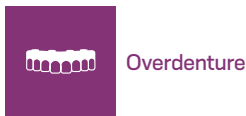
Accessories



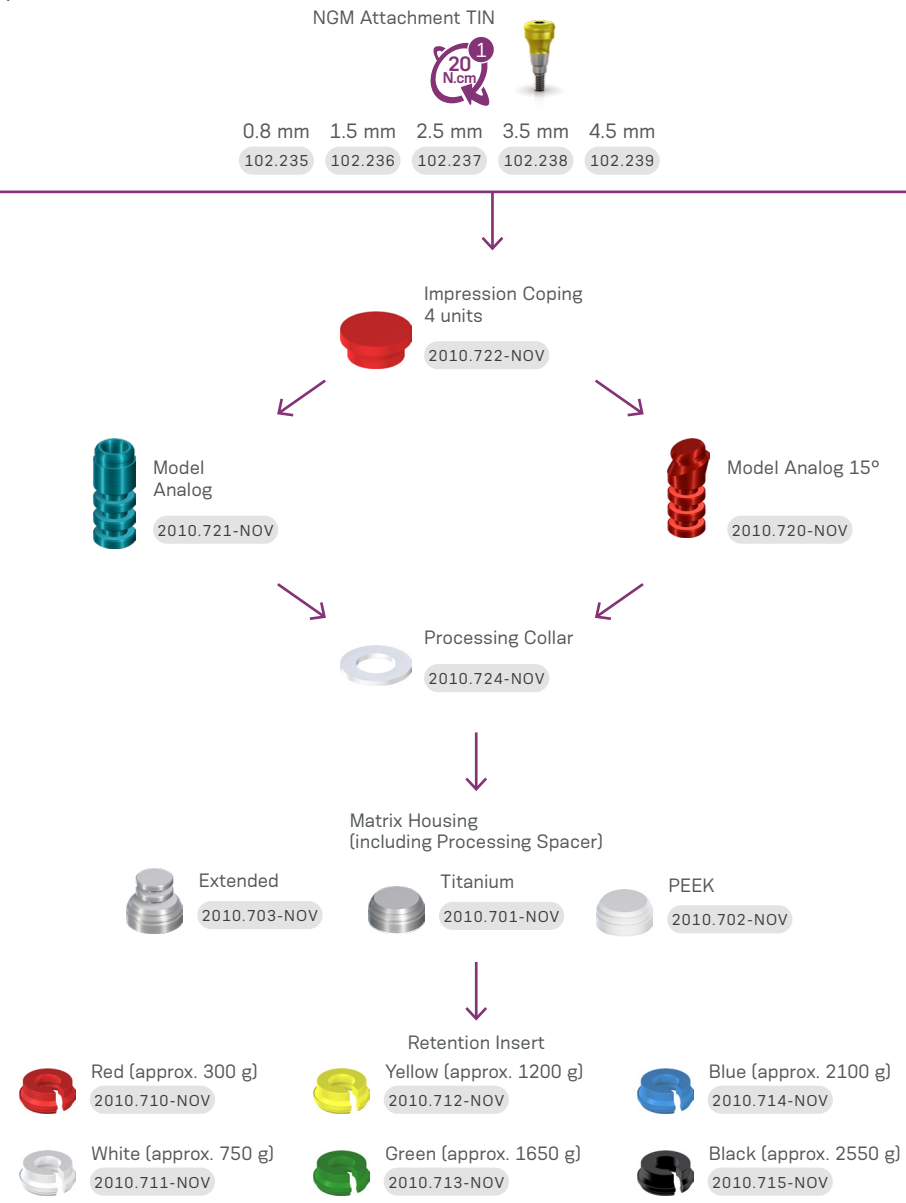
Replacement Sterile Screws
116.294 Titanium
116.293 Neotorque*

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

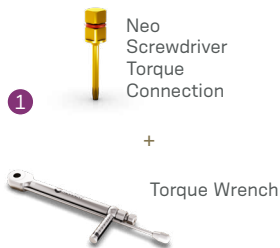
NGM Attachment TIN



Installation Sequence



Drivers



Accessories



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.



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.

GM Narrow Surgical Kit

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



Articles

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

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



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

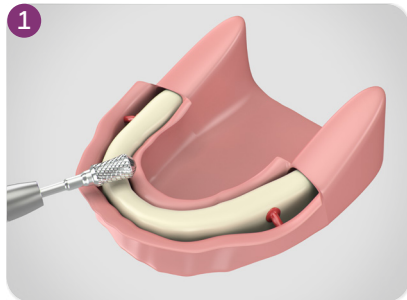


Neo Working Screw One Step Hybrid

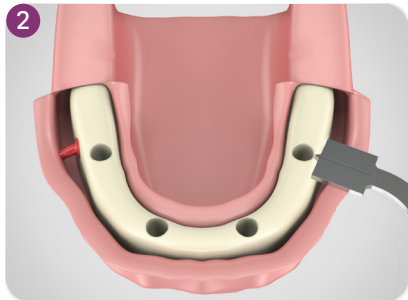
- :: For laboratory use.

116.271

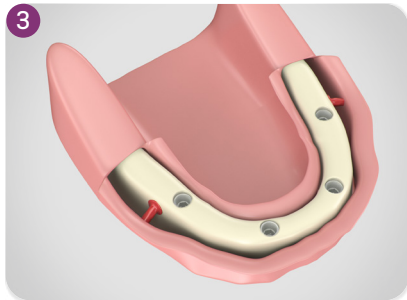
Demonstration Sequence



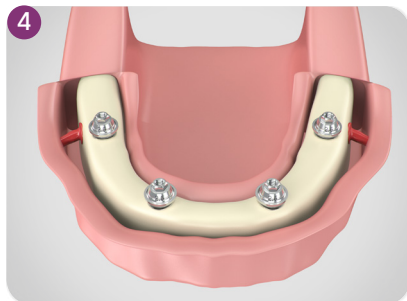
Regularize the alveolar ridge.



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



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



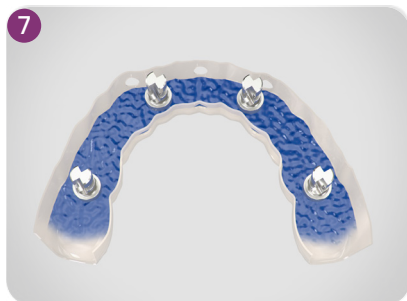
Placement of corresponding Neodent® Abutments.



Placement of Impression Copings, splinted with acrylic resin.



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



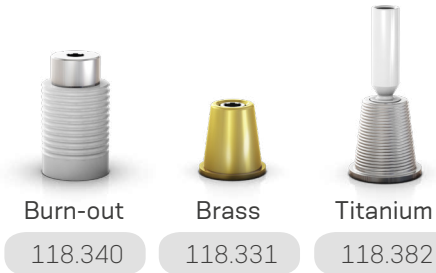
Removal of Multi-Functional Guide and placement of Analogs to the impression copings.



Working model with artificial gum.

Option 1 -Conventional Workflow for cast framework

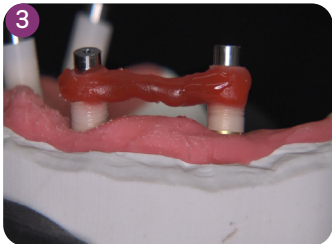
Neo Mini Abutments Copings
One Step Hybrid Technique



Working model with artificial gum.



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



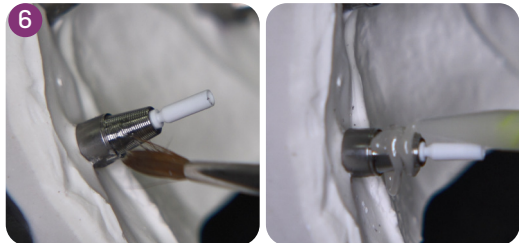
Wax-up the framework.



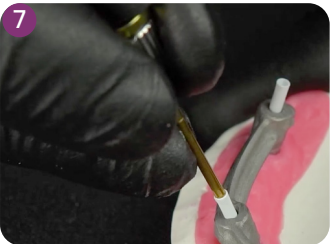
Cast framework. If necessary, provide internal wear in the regions corresponding to the castable copings.



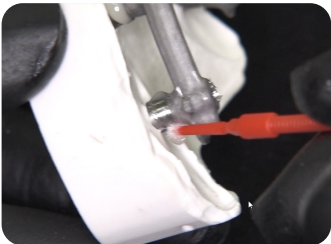
Placement of both the Neo Mini Conical Abutment Coping Base and the sealing pin on top of the analog.



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



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



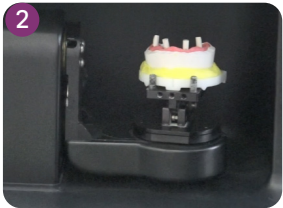
Unscrew the infrastructure from the model. Final framework with ensured passivity.

Option 2- Digital Workflow for milled Zirconia Bar

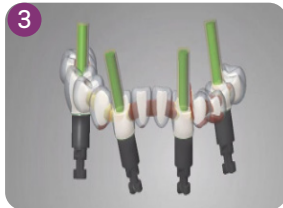
Neo Mini Conical Abutment Coping Base



Working model with artificial gum.



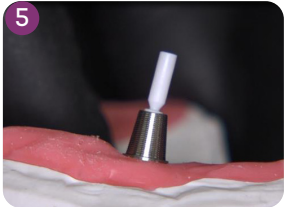
Install the GM Mini Conical Abutment Scanbody on the model and proceed with the scanning.



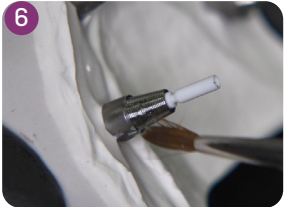
Design the zirconia bar in the CAD/CAM software.



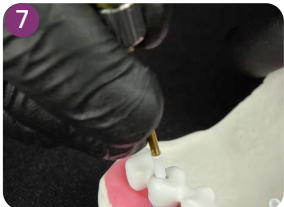
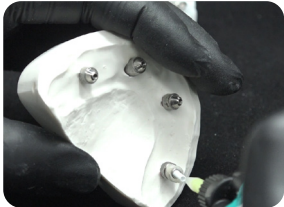
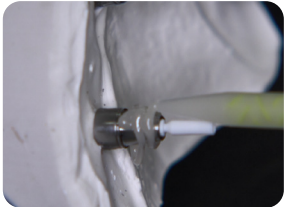
Mill the zirconia bar.



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



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



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



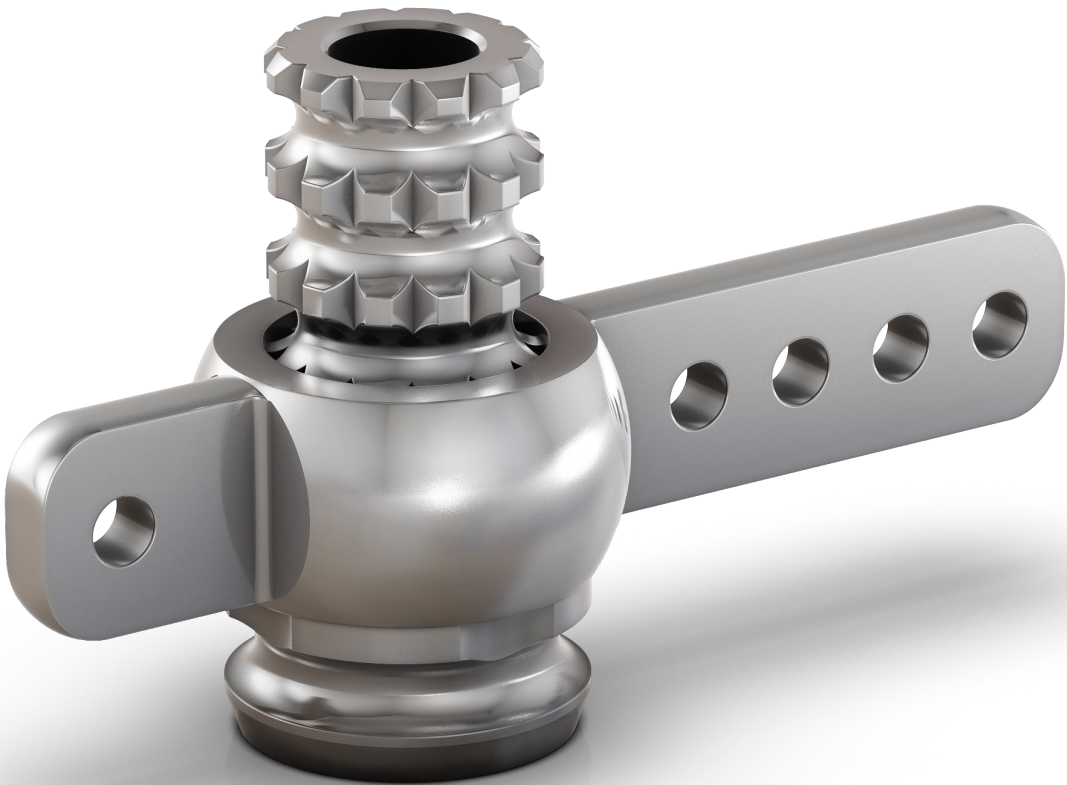
Unscrew the infrastructure from the model. Final framework with ensured passivity.



Final framework.

Distal Bar Technique

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



Neo Distal Bar Coping

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

118.308

Neo Distal Bar

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

125.116

Polishing Protector

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

123.008

Demonstration Sequence



1 Neodent® Abutments placed.



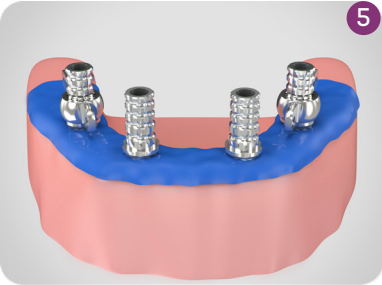
2 Prosthesis wearing, keeping posterior region integrity.



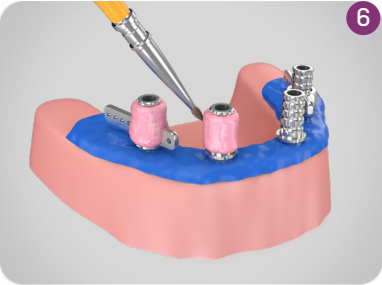
3 Place the copings into the central Implants and Distal Bar to distal Implants.



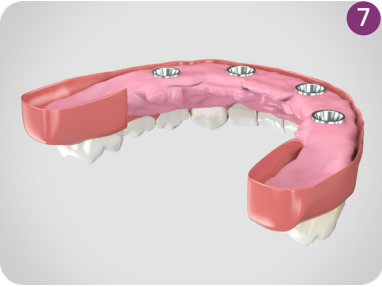
4 Proof of inferior prostheses wearing (centered occlusion position, no interference on copings).



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



6 Apply selfpolymerizing acrylic resin on and between the copings.



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



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



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



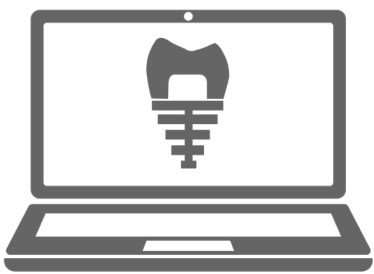
10 Placed provisional implant supported prosthesis.



11 Final inside-mouth posterior view.

Digital Solutions

Neodent® Digital Libraries



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

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



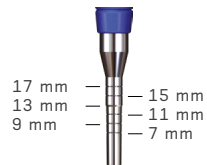
Compatible with
Neo Screwdriver

Hybrid Repositionable Analog

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



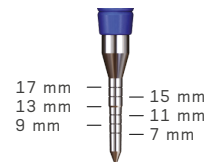
- 101.103 GM Hybrid Repositionable Analog 3.5/3.75
- 101.089 GM Hybrid Repositionable Analog 4.0/4.3
- 101.090 GM Hybrid Repositionable Analog 5.0/6.0
- 101.091 Micro Abutment Hybrid Repositionable Analog
- 101.092 Mini Conical Abutment Hybrid Repositionable Analog
- 101.097 Universal Abutment Hybrid 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



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
110.331 110.332 110.334 110.333 110.334

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.

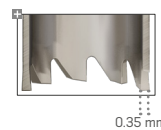
126.001



Trephine Bur

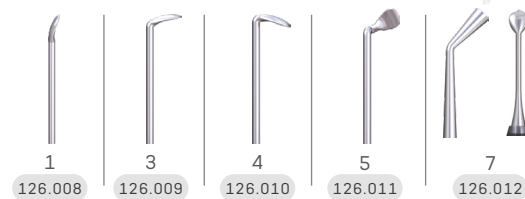
- :: Available in surgical steel;
- :: Collecting bone cylinder;
- :: Implant removal.

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.



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

Torque Wrench

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

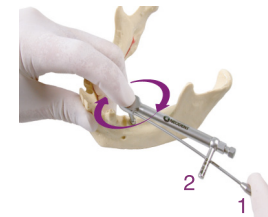
104.050



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 periosteal.

129.002

