

# CATALOG • 2024

VOLUME 01





# *NEW SMILES EVERY DAY*

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





# Grand Morse™

GREATNESS IS AN ACHIEVEMENT



## GRAND RELIABILITY

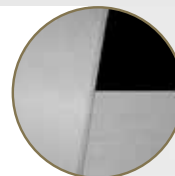
STABLE AND STRONG FOUNDATION  
DESIGNED FOR LONG TERM SUCCESS

The implant-abutment interface is crucial for a successful long term functional and esthetic result. The Neodent® Grand Morse™ connection offers a 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.



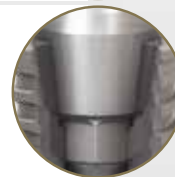
### 1 Platform Switching

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



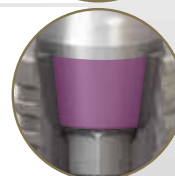
### 2 Internal Indexation

Precise abutment positioning, protection against rotation and easy handling.



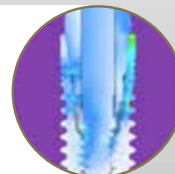
### 3 Deep Connection

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



### 4 16° Morse Taper Connection

Designed to ensure tight fit for an optimal connection sealing.







## 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 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.





# 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 an implant design featuring the 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



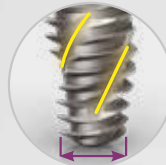
#### Hybrid contour

- 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



Titamax®

Vertical placement flexibility.  
Bone types I & II.



Drive®

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





# GRAND ESTHETICS

## DELIVER IMMEDIATE NATURAL-LOOKING ESTHETICS

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



Titanium Temporary Abutment



Pro-Peek Abutment



Titanium Base



Titanium Base C



Titanium Base for Bridge



Titanium Block (AG or Medentika Holder)



CoCr Abutment



Anatomic Abutment (straight and angled)



Universal Abutment (straight and angled)



Abutment



Angled Mini Conical Abutment



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



Titanium Base AS



Straight Mini Conical Abutment



Micro Abutment



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



Overdenture



Multiple-unit screw-retained prosthesis



Multiple-unit cement-retained prosthesis



Temporary

\*TiN - Titanium nitride

# Neodent® Grand Morse™ Implant Packaging

Neodent® implant packaging has been updated to a concept that provides convenience through all steps of the procedure, from storage to the placement of the implant.

The new packaging aids in identification of both the implant model as well as its diameter and length, regardless of its storage position.



## Package instruction of use



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



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



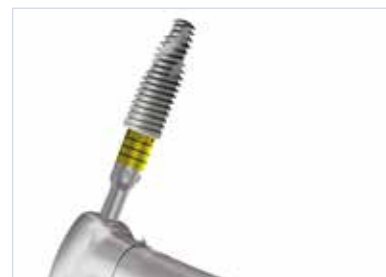
3. To secure the implant, grip both sides of the implant carrier.



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



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



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

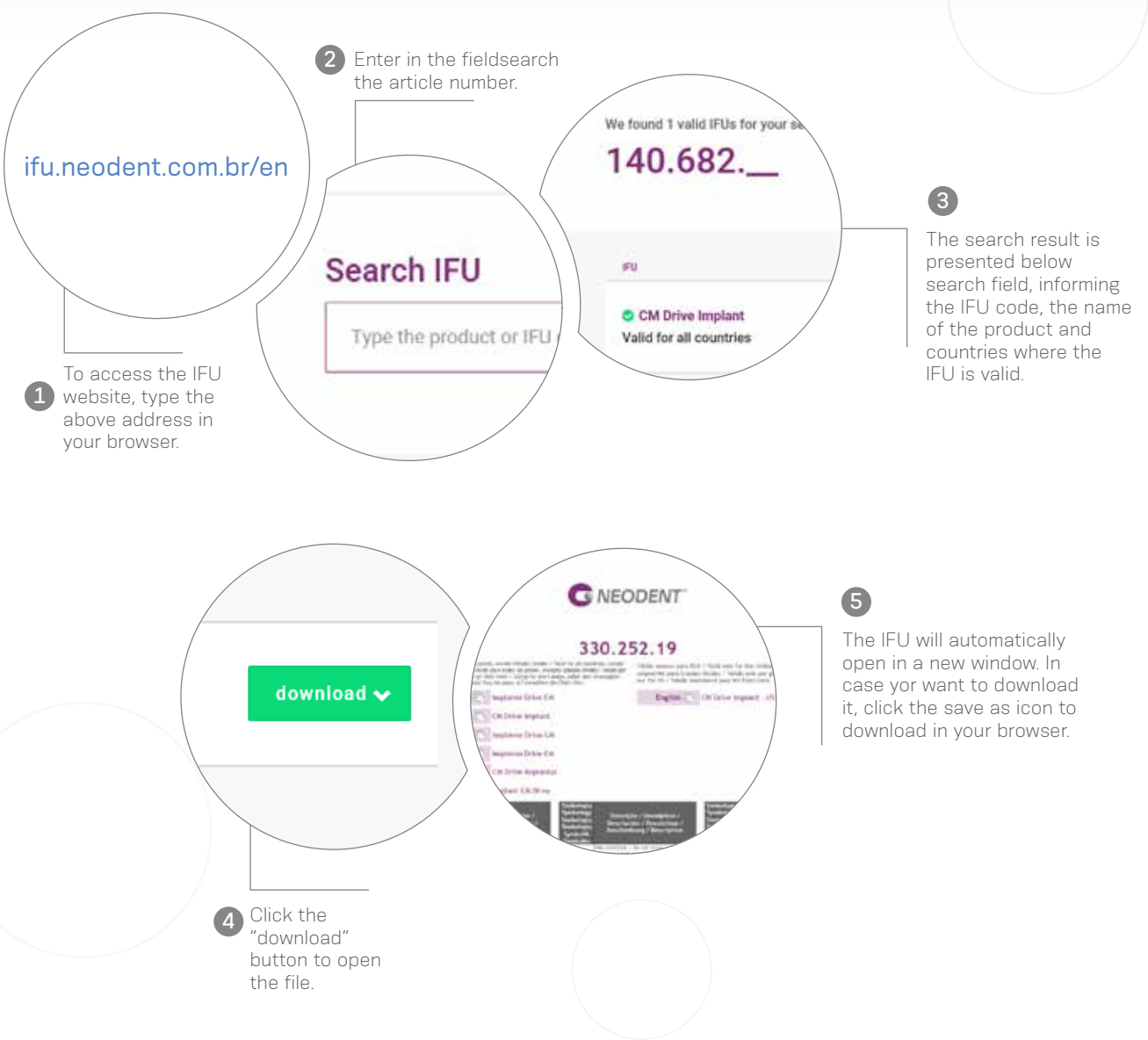


## e-IFU – Electronic Instructions For Use

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

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

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



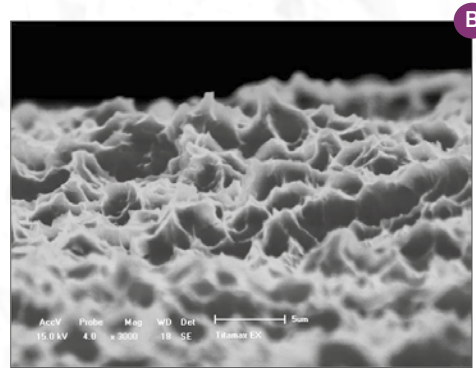
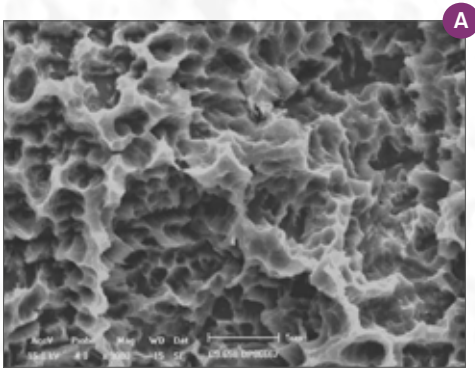
# NeoPoros

## Constant Evolution.

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 (15-30 $\mu$ m) and (B) microtopography (0.3 - 1.3 $\mu$ m).

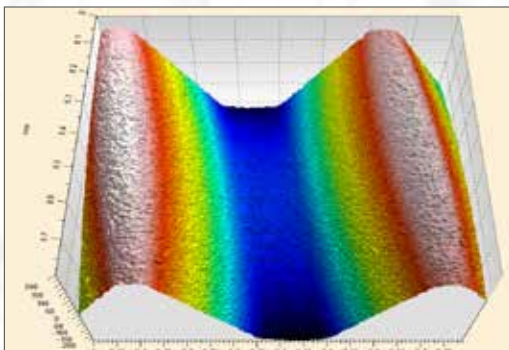


Image taken by confocal microscopy.  
Roughness and Microtopography.  
( $S_a$  = 0.3 - 1.3  $\mu$ m;  $S_z$  = 6.0 - 15.5  $\mu$ m).



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.<sup>(1-4)</sup>

### Hydrophilicity

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

### Surface comparison

Lab generated images.



*NeoPoros surface.*



*ACQUA Hydrophilic  
Surface.*

# 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 Ncm.



Available with:

NeoPoros

or

acqua®



### Drill Sequence

	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
Ø3.5																			
Ø3.75																			
Ø4.0																			
Ø4.3																			
Ø5.0																			

\*Optional / Bone types I and II

Ø3.5																			
Ø3.75																			
Ø4.0																			
Ø4.3																			
Ø5.0																			
Ø6.0																			
Ø7.0																			

\*Optional / Bone types III and IV

### Drill Sequence with Neodent® Control System

	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
Ø3.5																			
Ø3.75																			
Ø4.0																			
Ø4.3																			
Ø5.0																			

\*Optional / Bone types I and II

Ø3.5																			
Ø3.75																			
Ø4.0																			
Ø4.3																			
Ø5.0																			
Ø6.0																			
Ø7.0																			

\*Optional / Bone types III and IV

### Helix GM™ Implants

Ø3.5	ACQUA	NeoPoros	Ø3.75	ACQUA	NeoPoros	Ø4.0	ACQUA	NeoPoros	Ø4.3	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

Ø5.0	ACQUA	NeoPoros	Ø6.0	ACQUA	NeoPoros	Ø7.0	ACQUA	NeoPoros
	8.0 140.953	109.953		8.0 140.1009	109.1009		8.0 140.1059	109.1059
	10.0 140.954	109.954		10.0 140.1010	109.1010		10.0 140.1060	109.1060
	11.5 140.955	109.955		11.5 140.1011	109.1011		11.5 140.1061	109.1061
	13.0 140.956	109.956		13.0 140.1012	109.1012		13.0 140.1062	109.1062

**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 Ncm.

**GM Healing Abutment**

	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
	Ø3.3 106.207	106.208	106.209	106.210	106.211	106.212
	Ø4.5 106.213	106.214	106.215	106.216	106.217	106.218
	Ø5.5 106.250	106.251	106.252	106.253		
	Ø6.5 106.254	106.255	106.256	106.257		

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

**GM Customizable Healing Abutment**

	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm	6.5 mm
	Ø5.5 106.223	106.224	106.225	106.226	106.227	
	Ø7.0 106.228	106.229	106.230	106.231	106.232	

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

# 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 Ncm.




Available with:

NeoPoros or





















acqua®


### Drill Sequence

								
	Initial	Ø2.0	Ø3.5	Ø3.5	Ø4.3	Ø4.3	Ø5.0	Ø5.0
	103.170	103.425	103.561	103.513	103.570	103.516	103.573	103.517
Ø3.5 mm				 *				
Ø4.3 mm						 *		
Ø5.0 mm								 *






















\*Optional / Bone types III and IV 

### Drill Sequence with Neodent® Control System


								
	Initial	Ø2.0	Ø3.5	Ø2.8/3.5	Ø4.3	Ø3.6/4.3	Ø5.0	Ø4.3/5.0
	103.170	103.492	103.493	103.513	103.496	103.516	103.497	103.517
Ø3.5								
Ø4.3								
Ø5.0								

\*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
Ø3.5							
	ACQUA	140.958	140.959	140.960	140.961	140.962	140.963
	NeoPoros	109.958	109.959	109.960	109.961	109.962	109.963
Ø4.3							
	ACQUA	140.964	140.965	140.966	140.967	140.968	140.969
	NeoPoros	109.964	109.965	109.966	109.967	109.968	109.969
Ø5.0							
	ACQUA	140.970	140.971	140.972	140.973	140.974	140.975
	NeoPoros	109.970	109.971	109.972	109.973	109.974	109.975

### GM Healing Abutment

	Profile	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
	Ø3.3	106.207	106.208	106.209	106.210	106.211	106.212
	Ø4.5	106.213	106.214	106.215	106.216	106.217	106.218
	Ø5.5	106.250	106.251	106.252	106.253		
	Ø6.5	106.254	106.255	106.256	106.257		


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

### 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 Ncm.

### GM Customizable Healing Abutments

	Profile	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm	6.5 mm
	Ø5.5	106.223	106.224	106.225	106.226	106.227	
	Ø7.0	106.228	106.229	106.230	106.231	106.232	



# Titamax GM™

## PRODUCT FEATURES:

### Implants Description:

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

### Indications:

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

### Drilling features:

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



Available with:

NeoPoros

or

acqua®

## Drill Sequence



	Initial 103.170	Ø2.0 103.162	Ø2/3 103.213	Ø2.8 103.163	Ø3.0 103.164	Ø3.5 103.513	Ø3.3 103.166	Ø3.75 103.514	Ø4.0 103.515	Ø3.8 103.167	Ø4.3 103.168	Ø5.0 103.517
Ø3.5 mm	✓	✓		✓		✓						
Ø3.75 mm	✓	✓	✓		✓			✓				
Ø4.0 mm	✓	✓	✓		✓		✓		✓			
Ø5.0 mm	✓	✓	✓		✓			✓		✓	✓	✓

Bone types I and II



## Titamax GM™ Implants

		7.0 mm	8.0 mm	9.0 mm	11.0 mm	13.0 mm	15.0 mm	17.0 mm
Ø3.5	ACQUA	140.906	140.907	140.908	140.909	140.910	140.911	140.912
	NeoPoros	109.906	109.907	109.908	109.909	109.910	109.911	109.912
Ø3.75	ACQUA	140.899	140.900	140.901	140.902	140.903	140.904	140.905
	NeoPoros	109.899	109.900	109.901	109.902	109.903	109.904	109.905
Ø4.0	ACQUA	140.913	140.914	140.915	140.916	140.917	140.918	140.919
	NeoPoros	109.913	109.914	109.915	109.916	109.917	109.918	109.919
Ø5.0	ACQUA	140.920	140.921	140.922	140.923	140.924		
	NeoPoros	109.920	109.921	109.922	109.923	109.924		

## GM Healing Abutment



Profile	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
Ø3.3	106.207	106.208	106.209	106.210	106.211	106.212
Ø4.5	106.213	106.214	106.215	106.216	106.217	106.218
Ø5.5		106.250	106.251	106.252	106.253	
Ø6.5		106.254	106.255	106.256	106.257	

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

## GM Cover Screw



	0 mm	2 mm
	117.021	117.022

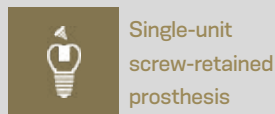
:: Use the manual Neo Screwdriver (104.060);  
:: Do not exceed the insertion torque of 10 Ncm.

## GM Customizable Healing Abutments



Profile	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm	6.5 mm
Ø5.5	106.223	106.224	106.225	106.226	106.227	
Ø7.0		106.228	106.229	106.230	106.231	106.232

# GM™ Abutment



Single-unit  
screw-retained  
prosthesis



Ø4.8 mm

Recommended for posterior region.

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

Minimum interocclusal space of 4.9  
mm from the mucosa level;

With internal threads for a secure  
engagement of the screw;

Exact;

Neo Removable Screw;



## Installation Sequence

0.8 mm	1.5 mm	2.5 mm
115.269	115.270	115.271
3.5 mm	4.5 mm	5.5 mm
115.272	115.273	115.274

GM Exact  
Abutment with Neo  
Removable Screw



### Intraoral



Abutment  
Scanbody  
2  
108.220



GM Abutment Hybrid  
Repositionable Analog  
101.101



GM Abutment Coping  
for Crown - Digital  
Workflow  
10 Ncm  
118.362

### Model Scanning



GM Abutment  
Impression Coping  
Closed Tray  
2  
108.179



GM Abutment Hybrid  
Repositionable Analog  
101.101



Abutment  
Scanbody  
2  
108.220



GM Abutment Coping  
for Crown - Digital  
Workflow  
10 Ncm  
118.362

### Conventional



GM Abutment  
Impression Coping  
Closed Tray  
2  
108.179



Neo Abutment  
Titanium Coping  
10 Ncm  
118.300



Neo Abutment  
Protection  
Cylinder  
2  
106.221



Abutment Analog  
101.101 Hybrid Repositionable  
(conventional/digital)  
101.076 Conventional



Neo Abutment  
CoCr Coping  
10 Ncm  
118.299



Neo Abutment  
Burn-out  
Coping  
10 Ncm  
118.298

18

## Drivers

1



Neo  
Screwdriver  
Torque  
Connection

+



Torque Wrench

2



Neo  
Screwdriver  
Torque  
Connection

+



Manual  
Screwdriver  
Torque

## Accessories

### Replacement Abutment Screw



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

### Mini Conical Abutment Polishing Protector



123.008

### Replacement Coping Screw



116.266 Titanium



# GM™ Mini Conical Abutment



Multiple-unit  
screw-retained  
prosthesis



Ø4.8 mm

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

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

Exact;

Neo Removable Screw.



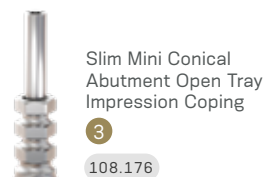
## Installation Sequence



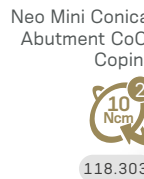
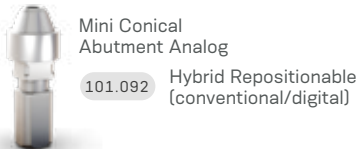
### Intraoral



### Model Scanning



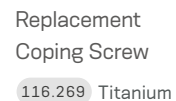
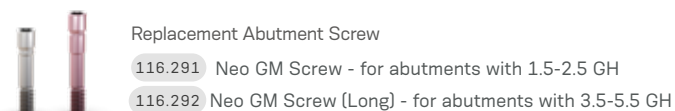
### Conventional



## Drivers



## Accessories



# GM™ Micro Abutment

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



**Single-unit  
screw-retained  
prosthesis**

**Multiple-unit  
screw-retained  
prosthesis**

**Ø3.5 mm**

Recommended for limited spaces and narrow inter-dental spaces.

## Installation Sequence

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



### Intraoral

20



Micro Abutment Scanbody  
108.219



Micro Abutment Hybrid Repositionable Analog  
101.091



Neo Micro Conical Abutment One Step Hybrid Coping  
118.381

OR

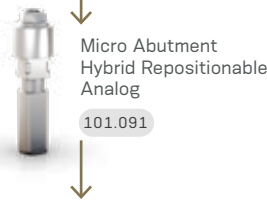


GM Micro Abutment Coping for Crown Digital Workflow  
118.363

### Model Scanning



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



Micro Abutment Hybrid Repositionable Analog  
101.091



Micro Abutment Scanbody  
108.219

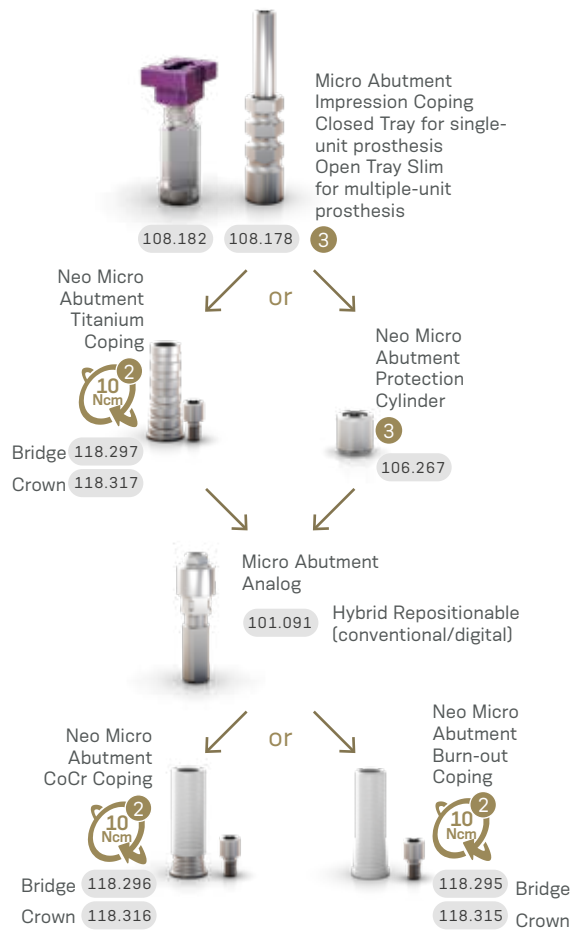


Neo Micro Conical Abutment One Step Hybrid Coping  
118.381



GM Micro Abutment Coping for Crown Digital Workflow  
118.363

### Conventional



## Drivers

1 Hexagonal Prosthetic Driver + Torque Wrench

2 Neo Screwdriver Torque Connection + Torque Wrench

3 Neo Screwdriver Torque Connection + Manual Screwdriver Torque

## Accessories

Micro Abutment Polishing Protector  
123.015 Bridge

Replacement Coping Screw  
116.269 Titanium

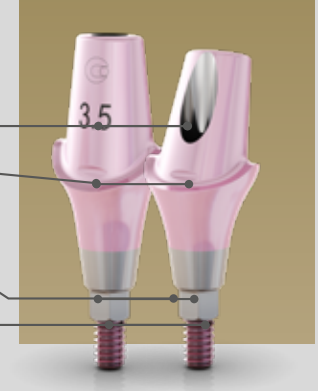
# GM™ Anatomic Abutment with Neo Removable Screw



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

### 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
17°	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
17°	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

Regular	108.160	108.162
Long	108.161	108.163

GM Implant Analog

Ø3.5/3.75	Ø4.0/4.3	Ø5.0/6.0	Hybrid Repositionable (conventional/digital)
101.103	101.089	101.090	

GM Exact Click Anatomic Abutment Provisional Coping

118.334
118.335 Narrow

GM Exact Click Anatomic Abutment with Neo Removable Screw

1.5 mm	2.5 mm	3.5 mm
114.862	114.863	114.864
17°	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
17°	114.871	114.872
	114.873	

## Drivers

1 Neo Screwdriver Torque Connection + Torque Wrench

2 Neo Screwdriver Torque Connection + Manual Screwdriver Torque

## Accessories

### Replacement Abutment Screw

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



# GM™ Universal Abutment with Neo Removable Screw

Single-unit cement-retained prosthesis

Ø3.3/4.5 mm

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



## Installation Sequence

Height	Ø	GM Exact Click Universal Abutment with Removable Screw						or	Height	Ø	GM Exact Click Universal Abutment 17° with Removable Screw			or	Height	Ø	GM Exact Click Universal Abutment 30° with Removable Screw		
		0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm				1.5 mm	2.5 mm	3.5 mm				1.5 mm	2.5 mm	3.5 mm
4 mm	Ø3.3	114.826	114.827	114.828	114.829	114.830	114.831	4 mm	Ø3.3	114.802	114.803	114.804	4 mm	Ø3.3	114.814	114.815	114.816		
	Ø4.5	114.838	114.839	114.840	114.841	114.842	114.843		Ø4.5	114.808	114.809	114.810		Ø4.5	114.820	114.821	114.822		
6 mm	Ø3.3	114.832	114.833	114.834	114.835	114.836	114.837	6 mm	Ø3.3	114.805	114.806	114.807	6 mm	Ø3.3	114.817	114.818	114.819		
	Ø4.5	114.844	114.845	114.846	114.847	114.848	114.849		Ø4.5	114.811	114.812	114.813		Ø4.5	114.823	114.824	114.825		

### Intraoral

Universal Abutment Intraoral Scanbody

4 mm	Ø3.3	108.143	6 mm	Ø3.3	108.144
4 mm	Ø4.5	108.145	6 mm	Ø4.5	108.146

Universal abutment Hybrid Repositionable analog

4 mm	Ø3.3	101.097	6 mm	Ø3.3	101.098
4 mm	Ø4.5	101.099	6 mm	Ø4.5	101.100

Milled crown

### Conventional

Click Universal Abutment Impression Coping

4 mm	Ø3.3	108.172	6 mm	Ø3.3	108.173
4 mm	Ø4.5	108.174	6 mm	Ø4.5	108.175

Click Universal Abutment Provisional Coping

4 mm	Ø3.3	118.304	6 mm	Ø3.3	118.305
4 mm	Ø4.5	118.306	6 mm	Ø4.5	118.307

Universal Abutment Analog

4 mm	Ø3.3	101.097	6 mm	Ø3.3	101.098
4 mm	Ø4.5	101.099	6 mm	Ø4.5	101.100

Hybrid Repositionable (conventional/digital)

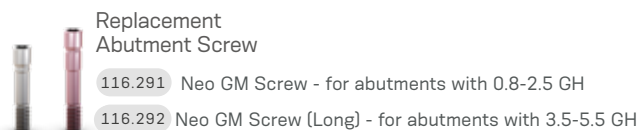
Universal Abutment Burn-out Coping

4 mm	Ø3.3	118.181	6 mm	Ø3.3	118.182
4 mm	Ø4.5	118.183	6 mm	Ø4.5	118.184

## Drivers



## Accessories



# GM™ Titanium Base with Neo Removable Screw

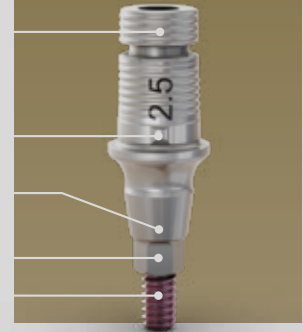
Customizable up to 4 mm high;

Cementable area: 6.0 or 4.0 mm;

With internal threads for a secure engagement of the screw

Exact;

Neo Removable screw;



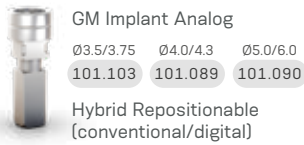
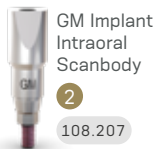
Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

Ø3.5/4.5/  
5.5/6.5 mm

## Installation Sequence

### Intraoral



	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm
Ø3.5	135.355	135.356	135.357	135.358	135.359
Ø4.5	135.367	135.368	135.369	135.370	135.371
Ø5.5	135.379	135.380	135.381	135.382	135.383
Ø6.5		135.391	135.392	135.393	135.394

### GM Exact Titanium Base with Removable Screw 4mm



### GM Exact Titanium Base with Removable Screw 6mm

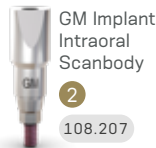
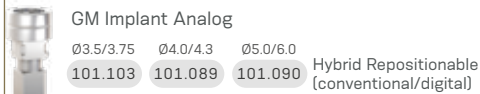
	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm
Ø3.5	135.361	135.362	135.363	135.364	135.365
Ø4.5	135.373	135.374	135.375	135.376	135.377
Ø5.5	135.385	135.386	135.387	135.388	135.389
Ø6.5		135.395	135.396	135.397	135.398



### Model Scanning



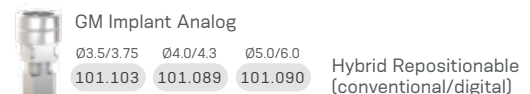
GM Implant Exact Impression Coping Closed and Open Tray (2)  
Regular 108.160 108.162  
Long 108.161 108.163



### Conventional



GM Implant Exact Impression Coping Closed and Open Tray (2)  
Regular 108.160 108.162  
Long 108.161 108.163



	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm
Ø3.5	135.355	135.356	135.357	135.358	135.359
Ø4.5	135.367	135.368	135.369	135.370	135.371
Ø5.5	135.379	135.380	135.381	135.382	135.383
Ø6.5		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
Ø3.5	135.361	135.362	135.363	135.364	135.365
Ø4.5	135.373	135.374	135.375	135.376	135.377
Ø5.5	135.385	135.386	135.387	135.388	135.389
Ø6.5		135.395	135.396	135.397	135.398



	Ø3.5	Ø4.5	Ø5.5	
GM Titanium Base Burn-out Coping	118.322	118.325	118.329	4.0 mm
	118.323	118.327	118.342	6.0 mm

## Drivers

1 Neo Screwdriver Torque Connection + Torque Wrench

2 Neo Screwdriver Torque Connection + Manual Screwdriver Torque

## Accessories

Replacement Abutment Screw  
116.292 Neo GM Screw (Long)

# GM™ Titanium Base for Bridge with Neo Removable Screw



Multiple-unit screw-retained prosthesis



Multiple-unit cement-retained prosthesis



Ø3.5/4.5/  
5.5 mm

Cementable area:  
4.0 mm for Ø3.5  
4.5 mm for Ø4.5  
and Ø5.5.

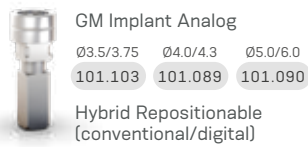
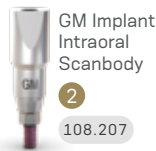
With internal threads for a secure engagement of the screw;

Neo Removable Screw.



## Installation Sequence

### Intraoral



### Model Scanning



GM Implant Exact Impression Coping Open Tray

Regular 108.158

Long 108.159



GM Implant Analog

Ø3.5/3.75 Ø4.0/4.3 Ø5.0/6.0  
101.103 101.089 101.090

Hybrid Repositionable (conventional/digital)



GM Implant Intraoral Scanbody

108.207



GM Titanium Base for Bridge	Diameter					
	Ø3.5	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm
Ø3.5	135.399	135.400	135.401	135.402	135.403	
Ø4.5	135.404	135.405	135.406	135.407	135.408	
Ø5.5	135.409	135.410	135.411	135.412	135.413	



20 Ncm

## Drivers

1



Neo Screwdriver Torque Connection

+



Torque Wrench

2



Neo Screwdriver Torque Connection

+



Manual Screwdriver Torque

## Accessories



Replacement Abutment Screw

116.292 Neo GM Screw (Long)



# GM™ Titanium Base Angled Solution (AS)

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

Ø4.0/4.5/5.5 mm

Cementable area:  
6.0 or 4.0 mm;

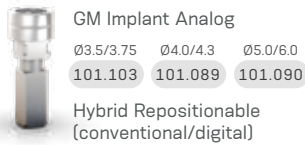
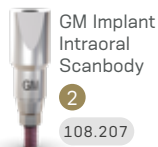
Exact.



With removable screw.

## Installation Sequence

### Intraoral



### Model Scanning



GM Implant Exact Impression Coping Closed and Open Tray 2

Regular	108.160	108.162
Long	108.161	108.163



	0.8 mm	1.5 mm	2.5 mm			0.8 mm	1.5 mm	2.5 mm	
Ø4.0	135.327	135.328	135.329	GM Titanium Base Angled Solution (AS) 4mm 20 Ncm	or	Ø4.0	135.330	135.331	
Ø4.5	135.333	135.334	135.335			Ø4.5	135.336	135.337	135.338
Ø5.5	135.339	135.340	135.341			Ø5.5	135.342	135.343	135.344

## Drivers

1

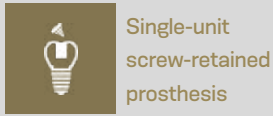
Angled Solution Screwdriver for Torque Wrench	105.150 Short	105.151 Regular	105.152 Long	+	Torque Wrench
	or				
Angled Solution Screwdriver for Contra-angle	105.147 Short	105.148 Regular	105.149 Long		

## Accessories

2

Neo Screwdriver Torque Connection	+	Manual Screwdriver Torque	Replacement Sterile Screw
			116.288 Screw for GM Titanium Base AS

# Titanium Base C for GM™ with Neo Removable Screw



Cementable area: 4.7 mm;

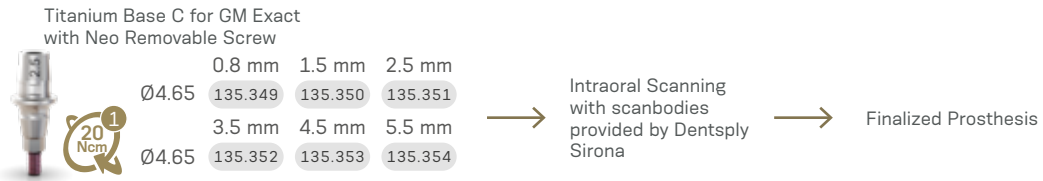
With internal threads for a secure engagement of the screw;

Exact;

Neo Removable Screw.



## Installation Sequence



## Workflow

### Step 1

Gingiva height selection and ordering.



Select the Titanium Base C for GM Exact gingival height.



Order the Titanium Base C for GM Exact.

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

### Step 2

Intra-oral scanning.



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



Insert scanbody on the Titanium Base C for GM Exact.

### Step 3

Design and milling.



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



Mill the digital design.

### Step 4

Finalization and fixation.



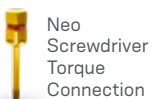
- Check the fit of milled restoration in the patient's mouth and adapt it, if needed.
- Cement the restoration on the Titanium Base C for GM Exact and insert it into the patient's mouth.

## CEREC digital library compatibility

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

## Drivers

1



+



## Accessories



Replacement Abutment Screw

116.292 Neo GM Screw (Long)

# GM™ Titanium Block for MEDENTiKA Holder

 <p>Single-unit screw-retained prosthesis</p>	 <p>Single-unit cement-retained prosthesis</p>	 <p>Multiple-unit cement-retained prosthesis</p>
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Ø11.5/  
15.8 mm

Cementable area: 14.2 mm;

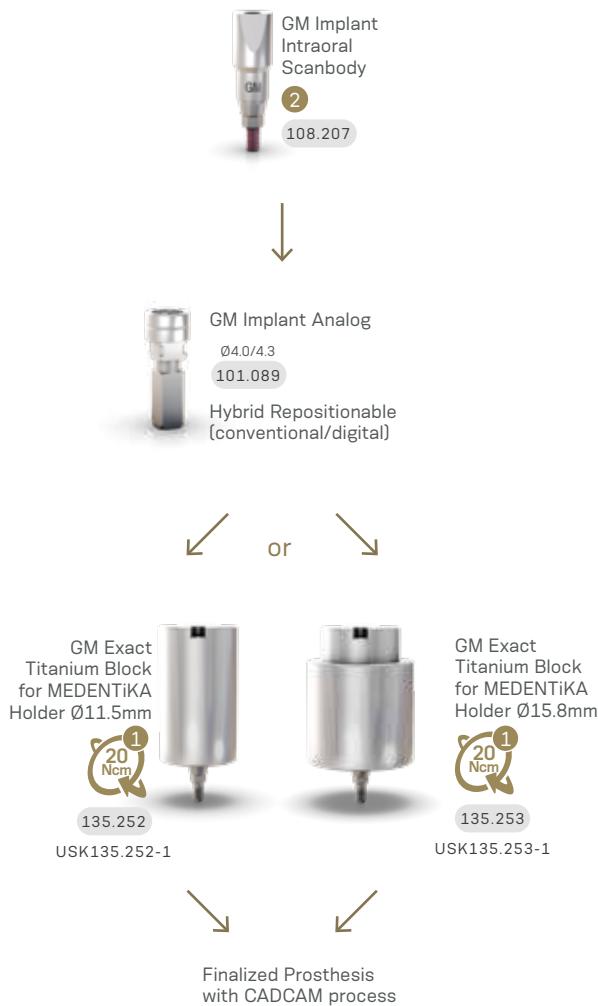
Exact.



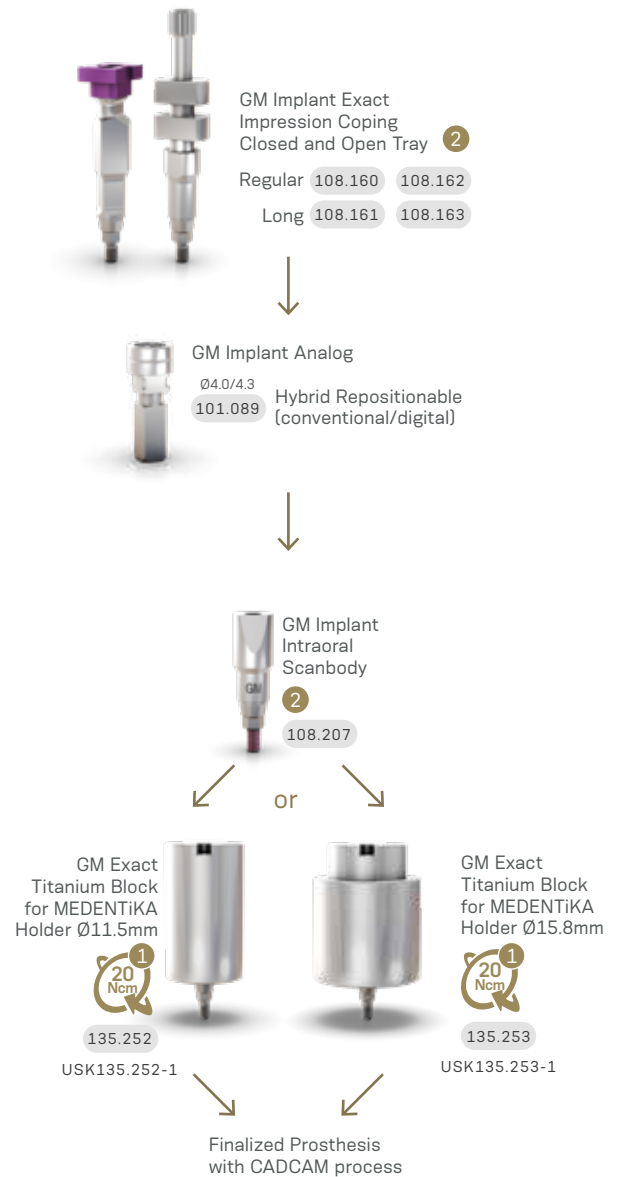
Screw sold separately.

## Installation Sequence

### Complete Digital Workflow



### Semi Digital Workflow



27

## Drivers

<p>1</p> 	+		<p>Torque Wrench</p>
<p>2</p> 	+		<p>Manual Screwdriver Torque</p>

## Accessories


**Sterile Screws sold separately**  
 116.286 Titanium



# GM™ Titanium Block for AG Holder



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



Multiple-unit cement-retained prosthesis



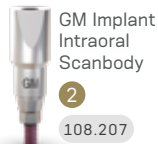
Ø12.0 mm



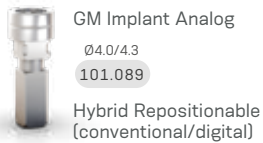
Screw sold separately.

## Installation Sequence

### Complete Digital Workflow



GM Implant Intraoral Scanbody  
2  
108.207



GM Implant Analog  
Ø4.0/4.3  
101.089  
Hybrid Repositionable (conventional/digital)



GM Exact Titanium Block for Amann Girrbaach Holder  
Ø12.0mm  
1  
20 Ncm  
135.226

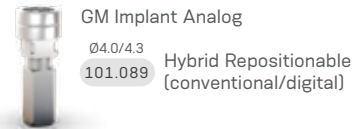


Finalized Prosthesis with CAD/CAM process

### Semi Digital Workflow



GM Implant Exact Impression Coping Closed and Open Tray  
2  
Regular 108.160 108.162  
Long 108.161 108.163



GM Implant Analog  
Ø4.0/4.3  
101.089  
Hybrid Repositionable (conventional/digital)



GM Implant Intraoral Scanbody  
2  
108.207



GM Exact Titanium Block for Amann Girrbaach Holder  
Ø12.0mm  
1  
20 Ncm  
135.226



Finalized Prosthesis with CAD/CAM process

28

## Drivers



1 Neo Screwdriver Torque Connection + Torque Wrench



2 Neo Screwdriver Torque Connection + Manual Screwdriver Torque

## Accessories

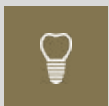


Sterile Screws sold separately  
116.286 Titanium

# GM™ CoCr Abutment



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



Ø4.1/4.5/  
5.0 mm

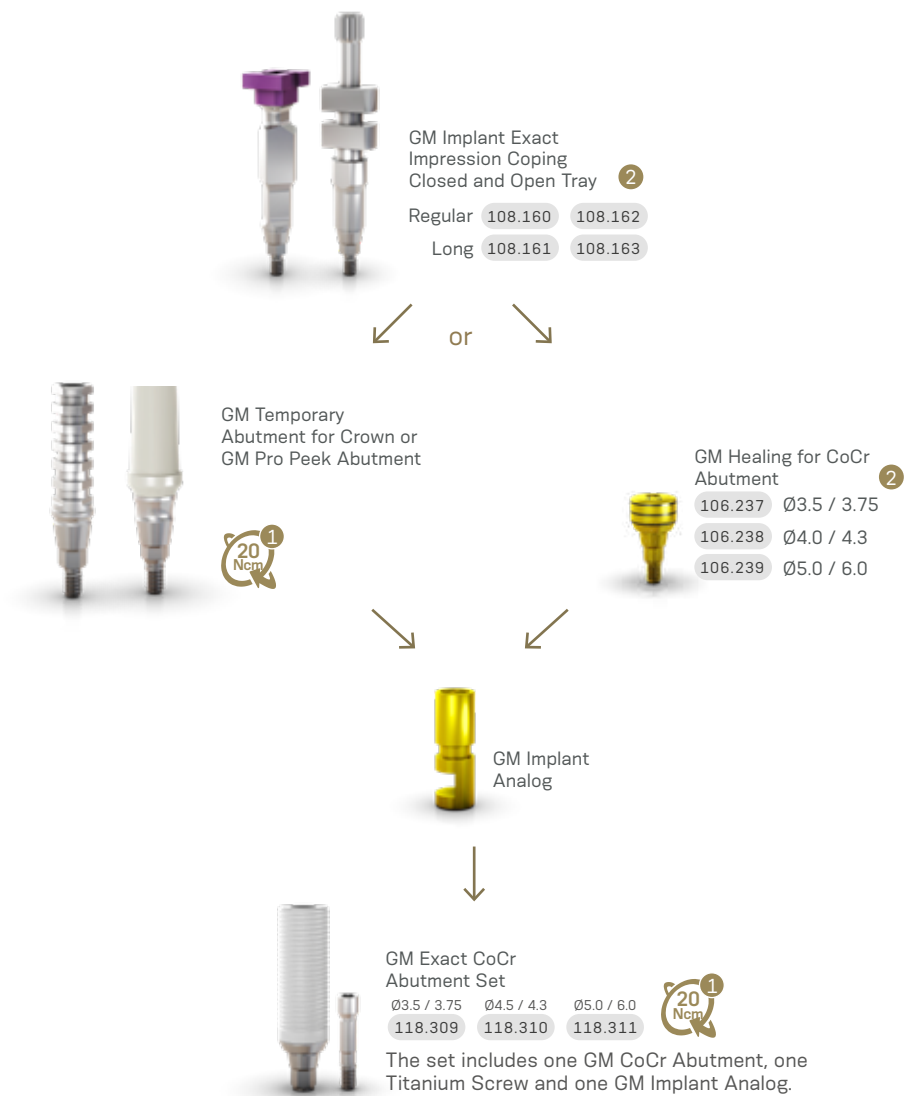
Consider in addition 1.5 - 2.0 mm for the restorative material;  
Interocclusal height of 12 mm (can be customized up to 5.0 mm);



Exact.

For implants placed at bone level.

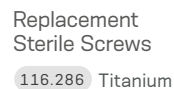
## Installation Sequence



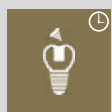
## Drivers



## Accessories



# GM™ Temporary Abutment



Single-unit screw-retained temporary prosthesis



Multiple-unit screw-retained temporary prosthesis



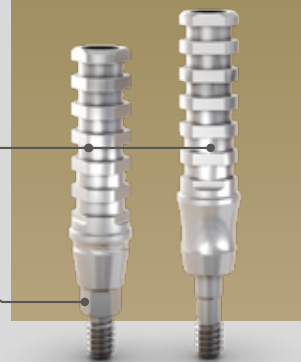
Ø3.5/  
4.5 mm

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);

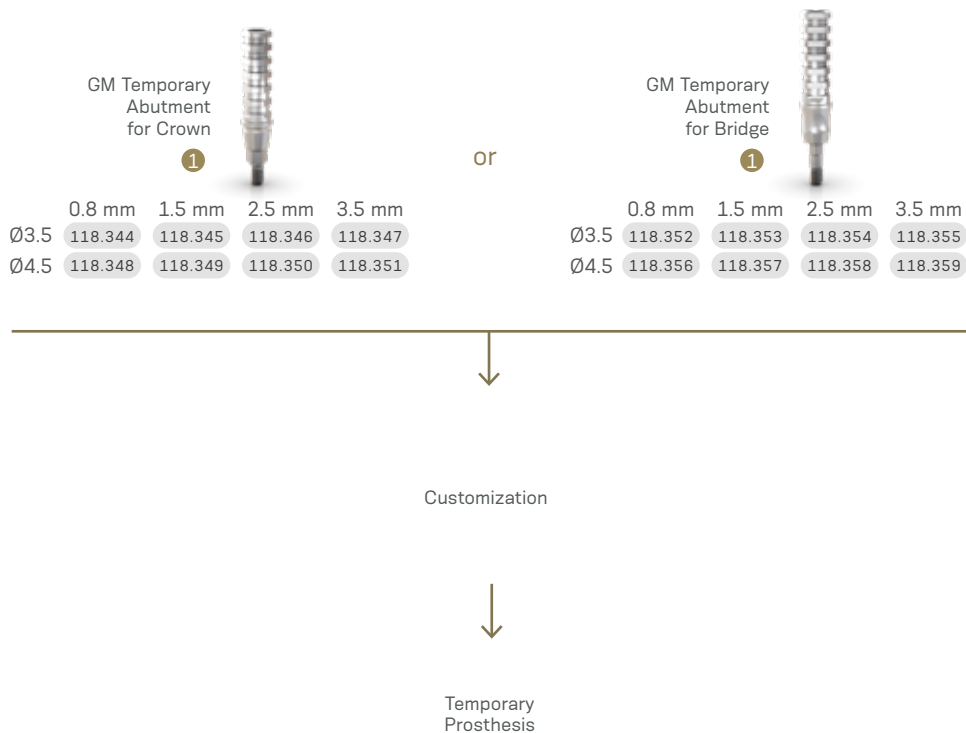
Exact.



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.

## Installation Sequence

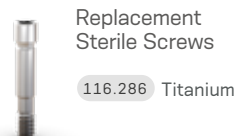


30

## Drivers



## Accessories





# GM™ Pro Peek Abutment with Neo Removable Screw

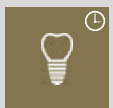
Consider in addition 1.5 - 2.0 mm for the restorative material

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



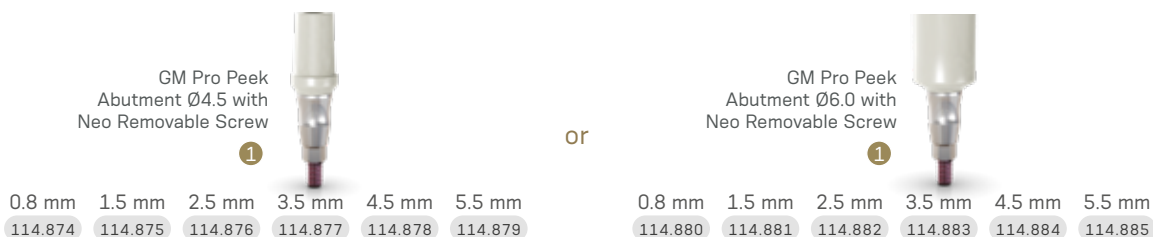
Single-unit cement-retained temporary prosthesis



Ø4.5/  
6.0 mm

Biocompatible Peek of easy customization.

## Installation Sequence



In mouth customization

## Drivers

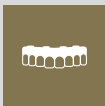
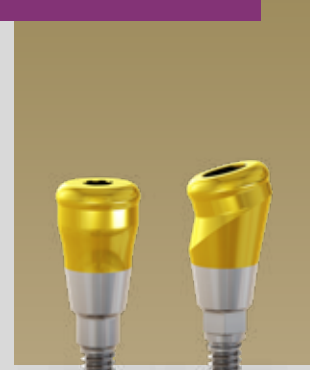


## Accessories

### Replacement Abutment Screw



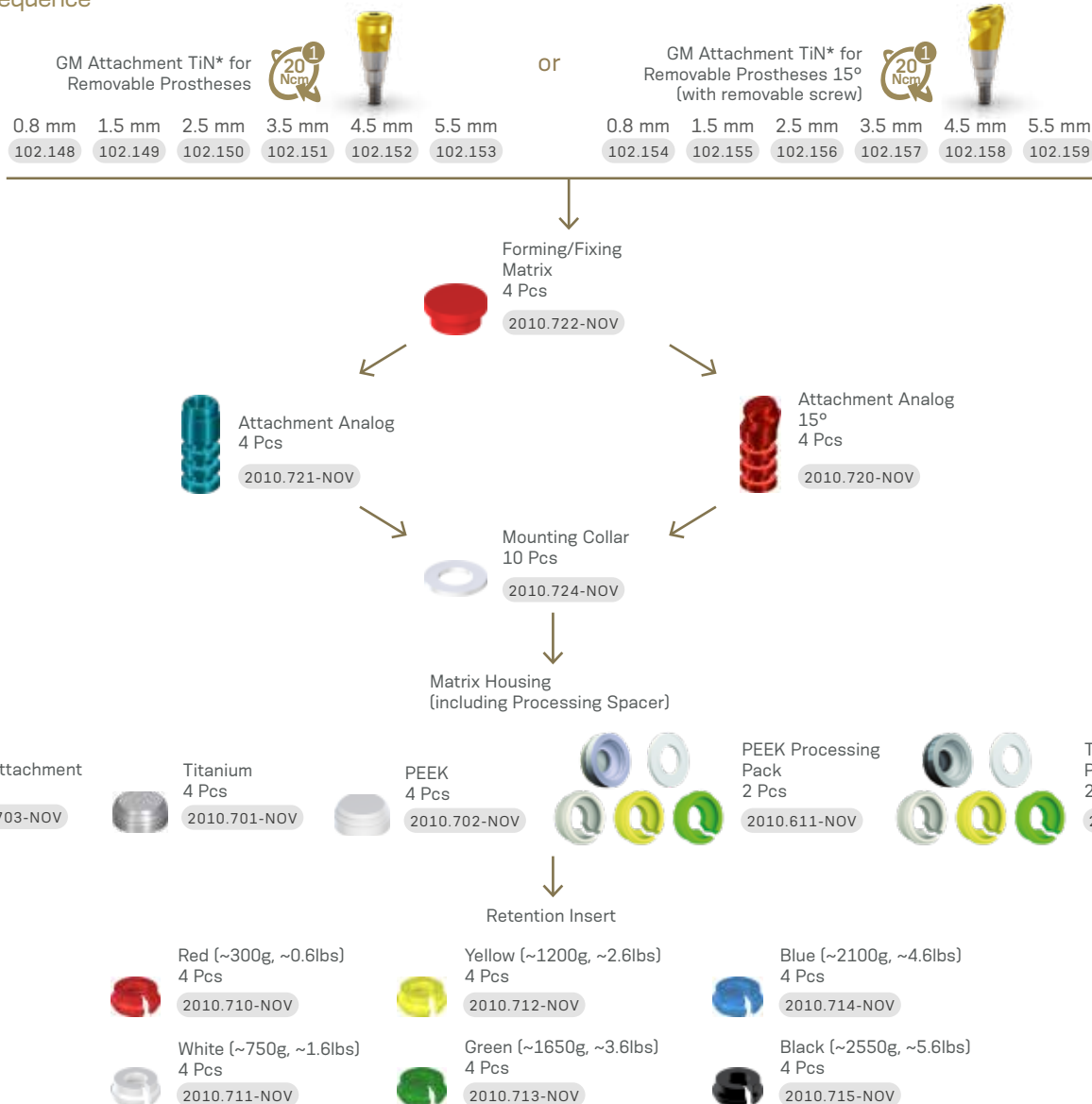
# GM™ Attachment TiN\* for Removable Prostheses



Overdenture

Angled version with removable screw.

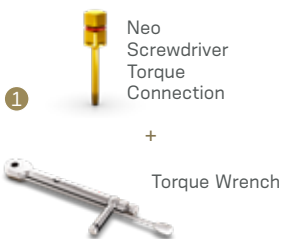
## Installation Sequence



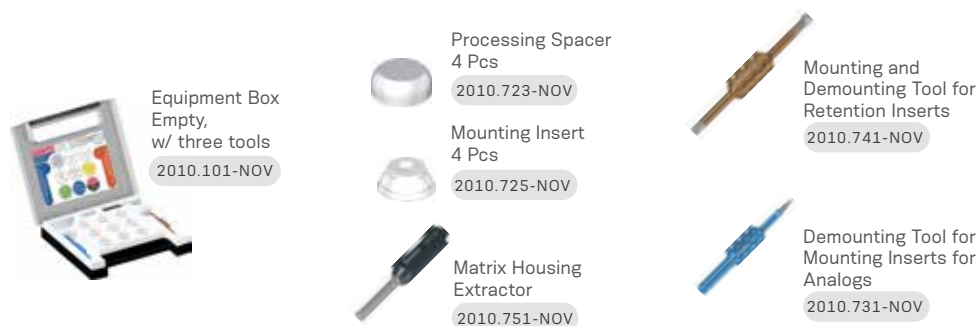
\*TiN - Titanium nitride

32

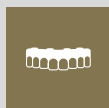
## Drivers



## Accessories

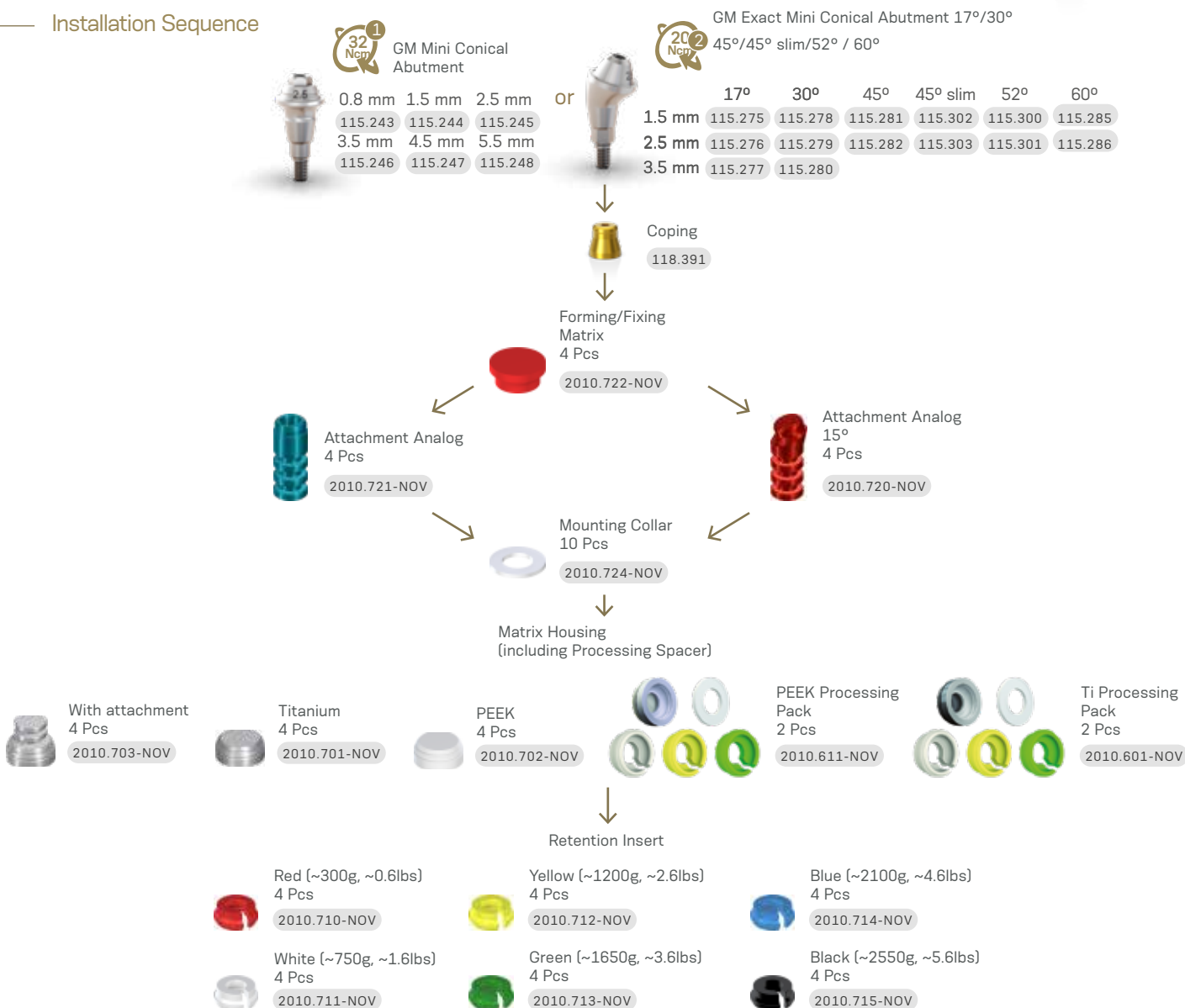


# GM™ Mini Conical Abutment Coping for Removable Prosthesis



Overdenture

## Installation Sequence

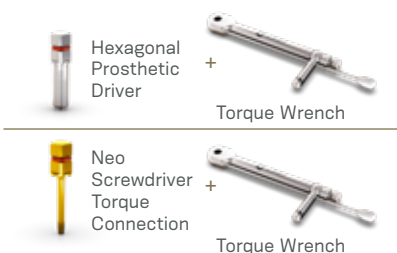


\*The 45° Mini Conical Abutment is indicated for use only with Zygomax GM™ and GM Zygomax-S.

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

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

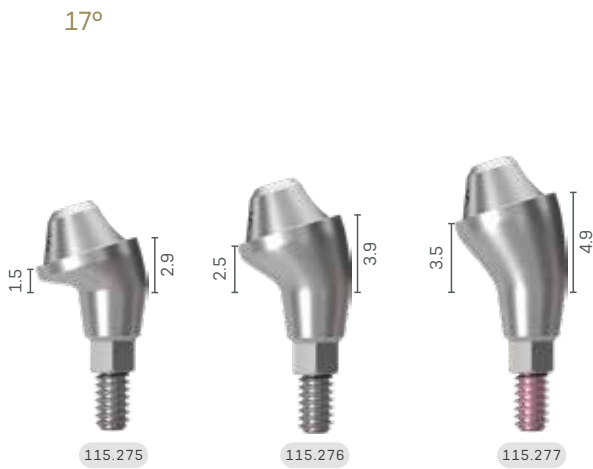
## Drivers



## Accessories

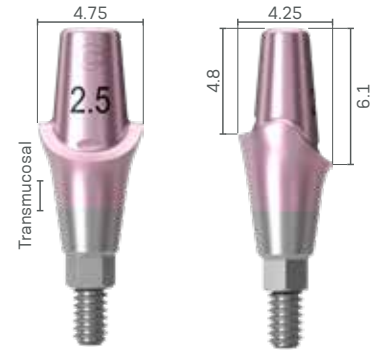


# Measurements GM™ Mini Conical Abutment with Neo Removable Screw

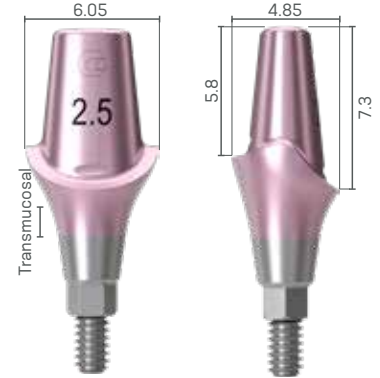


# Measurements GM™ Anatomic Abutment with Neo Removable Screw

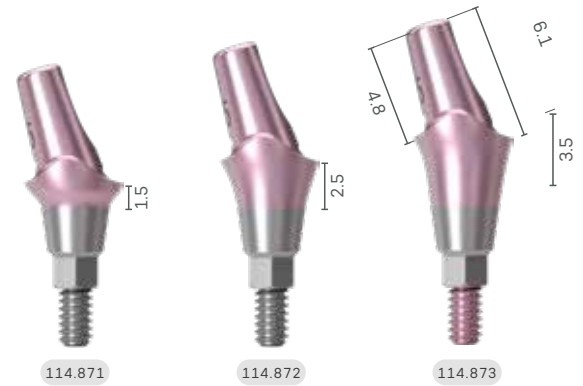
Narrow Anatomic Abutment



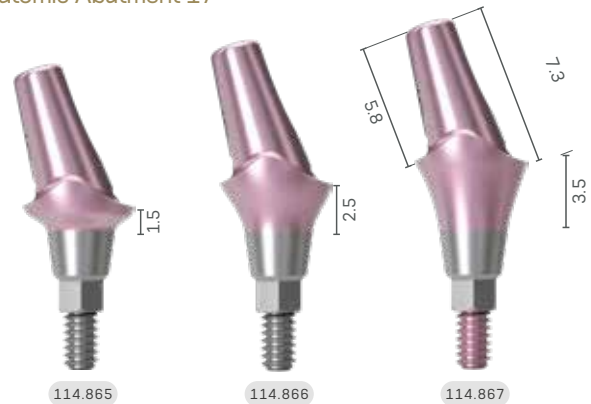
Anatomic Abutment



Narrow Anatomic Abutment 17°



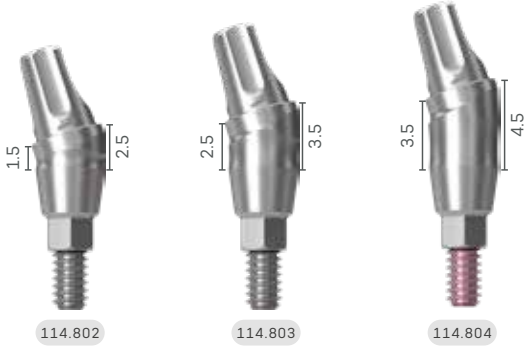
Anatomic Abutment 17°



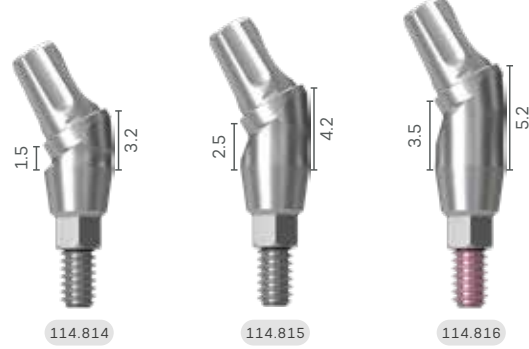


# Measurements GM™ Universal Abutment with Neo Removable Screw

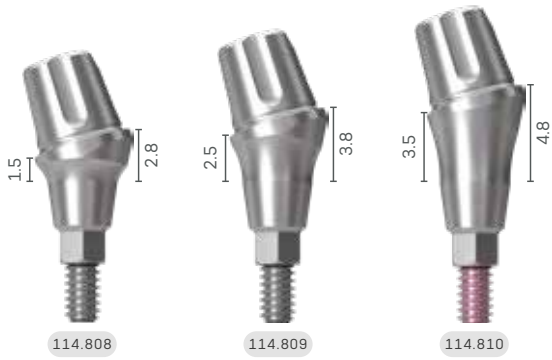
4 mm chimney height / Ø3.3 / 17°



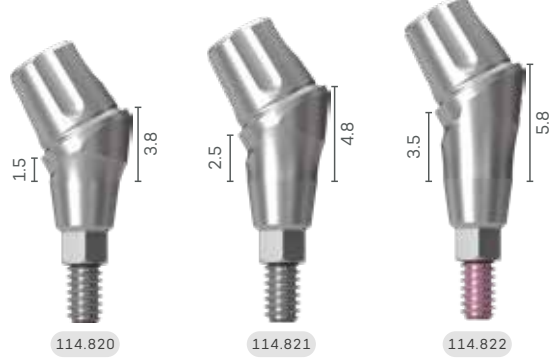
4 mm chimney height / Ø3.3 / 30°



4 mm chimney height / Ø4.5 / 17°



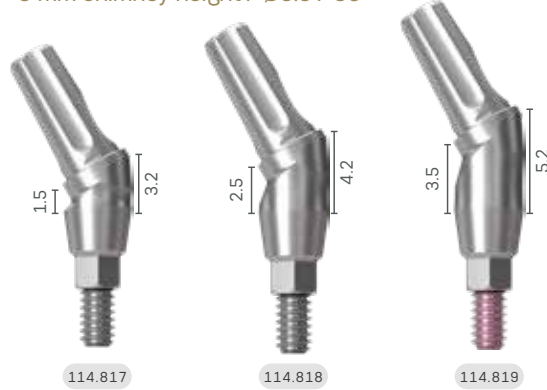
4 mm chimney height / Ø4.5 / 30°



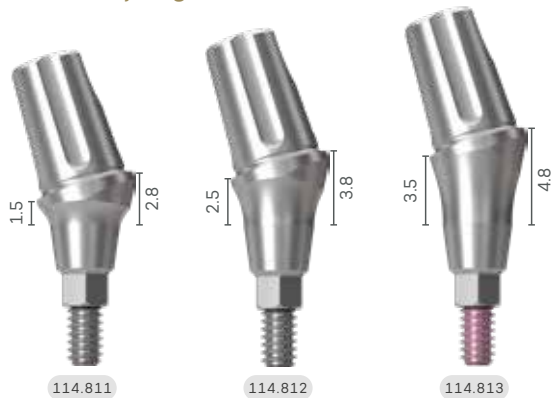
6 mm chimney height / Ø3.3 / 17°



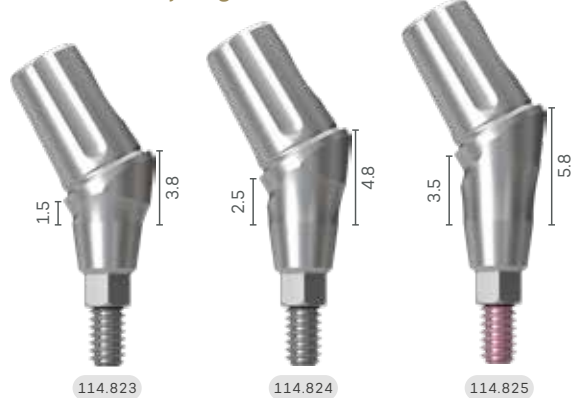
6 mm chimney height / Ø3.3 / 30°



6 mm chimney height / Ø4.5 / 17°



6 mm chimney height / Ø4.5 / 30°





# Grand Morse™ Kits

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# Grand Morse™ Surgical Kit

Autoclavable polymer case.

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



## Articles

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

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

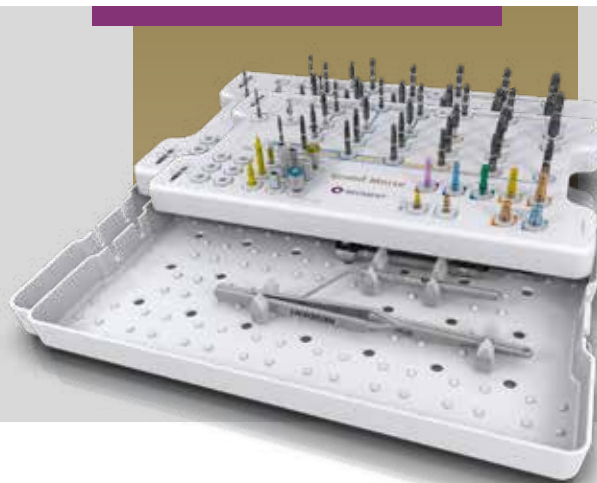
- 105.130 GM Implant Driver - Torque Wrench (Long)
- 104.028 Manual Implant Driver - Contra-Angle
- 105.129 GM Implant Driver - Torque Wrench (Short)
- 128.019 Direction Indicator 2.8/3.5
- 128.020 Direction Indicator 3.0/3.75
- 128.021 Direction Indicator 3.3/4.0
- 128.022 Direction Indicator 3.6/4.3
- 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.

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# Grand Morse™ and WS Surgical Kit

Autoclavable polymer case.



## Articles

- 110.287 GM/WS Surgical Kit Case
- 103.162 Twist Drill 2.0 Plus
- 103.213 Pilot Drill 2.0/3.0 Plus
- 103.164 Twist Drill 3.0 Plus
- 103.166 Twist Drill 3.3 Plus
- 103.415 GM Pilot Drill 3.0/3.75
- 103.167 Twist Drill 3.8 Plus
- 103.168 Twist Drill 4.3 Plus
- 103.215 Pilot Drill 4.3/5.3 Plus
- 103.163 Twist Drill 2.8 Plus
- 103.169 Twist Drill 5.3 Plus
- 103.170 Initial Drill Plus
- 103.513 Pilot Drill GM 2.8/3.5
- 103.515 Pilot Drill GM 3.3/4.0
- 103.516 Pilot Drill GM 4.3
- 103.517 Pilot Drill GM 4.3/5.0
- 103.221 Pilot Drill CM 5.3/6.0 Plus

- 103.578 Tapered Contour Drill 3.5
- 103.579 Tapered Contour Drill 3.75
- 103.580 Tapered Contour Drill 4.0
- 103.581 Tapered Contour Drill 4.3
- 103.582 Tapered Contour Drill 5.0
- 103.425 Tapered Drill 2.0
- 103.561 Tapered Drill 3.5
- 128.029 WS Height Measurer
- 103.564 Tapered Drill 3.75
- 103.567 Tapered Drill 4.0
- 103.570 Tapered Drill 4.3
- 103.573 Tapered Drill 5.0
- 103.576 Tapered Drill 6.0
- 105.131 GM Implant Driver - Contra-Angle
- 105.002 Smart/WS Implant Driver - Contra-Angle
- 104.060 Neo Screwdriver (Medium)
- 105.130 GM Implant Driver GM - Torque Wrench

- 105.018 Hex Connection - Torque Wrench (Long)
- 104.028 Manual Implant Driver - Contra-Angle
- 104.012 Manual Screwdriver (Medium)
- 105.129 GM Implant Driver GM - Torque Wrench
- 105.001 Smart/WS Implant Driver - Torque Wrench (Short)
- 128.019 Direction Indicator 2.8/3.5
- 128.020 Direction Indicator 3.0/3.75
- 128.021 Direction Indicator 3.3/4.0
- 128.022 Direction Indicator 3.6/4.3
- 128.023 Direction Indicator 4.3/5.0
- 128.024 WS Direction Indicator 4.3/5.0
- 128.025 WS Direction Indicator 5.3/6.0
- 128.028 GM Height Measurer
- 129.004 Depth Probe
- 129.001 Titanium Tweezers
- 104.050 Torque Wrench
- 103.426 Drill Extension

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



# Helix GM™ Compact Surgical Kit

Autoclavable polymer case.

The Kit allows the installation of Helix GM™ Implants in all bone types.

To order the pre-mounted version of the kit, with its complete composition, use code [110.303](#).



## Articles

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

- 103.426 Drill Extension
- 103.578 Tapered Contour Drill 3.5
- 103.579 Tapered Contour Drill 3.75
- 103.580 Tapered Contour Drill 4.0
- 103.581 Tapered Contour Drill 4.3
- 103.582 Tapered Contour Drill 5.0
- 105.131 GM Implant Driver - Contra-angle GM
- 105.130 Implant Driver - Torque Wrench (Long)
- 105.129 GM Implant Driver - Torque Wrench (Short)
- 103.513 GM Pilot Drill 2.8/3.5
- 103.514 GM Pilot Drill 3.0/3.75
- 103.515 GM Pilot Drill 3.3/4.0

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

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

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



# Neodent controlsystem



## TRUST YOURSELF

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

### Protect anatomical structures

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

### Master limited visibility

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



### Intuitive solution

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



### Secure drill stop locking system

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



### Multiple use solution

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

# User friendly kit retentive system

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



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

## Neodent® Color Code overview



Color code according to implant length



## Compatible portfolio of Helix GM™ Implants



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

# Helix GM™ Compact Kit Control Stop Drills

Autoclavable polymer case.

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

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



## Articles

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

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

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

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

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

# Control Drill Stop Kit

Autoclavable polymer case.

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

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



## Articles

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

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

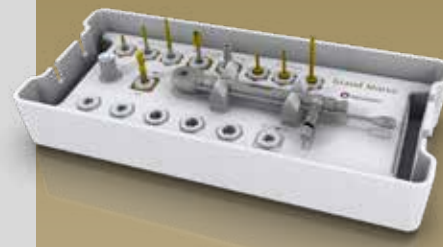
Note: Items that compose Neodent® Kits are sold separately.



# Grand Morse™ Prosthetic Kit

Autoclavable polymer case.

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



## Articles

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

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

# Grand Morse™ Try-In Kit

Autoclavable polymer case.

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



## Articles

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

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

# Grand Morse™ Instruments

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### Initial Drill

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

103.170

### Tapered Drills

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



	Short 31 mm	Regular 35 mm	Long 43 mm
Ø2.0	103.559	103.425	103.560
Ø3.5	103.562	103.561	103.563
Ø3.75	103.565	103.564	103.566
Ø4.0	103.568	103.567	103.569
Ø4.3	103.571	103.570	103.572
Ø5.0	103.574	103.573	103.575
Ø6.0	103.576		
Ø7.0	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.



Ø3.5+	103.578
Ø3.75+	103.579
Ø4.0+	103.580
Ø4.3+	103.581
Ø5.0+	103.582

### Pilot Drills

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



Ø2/3	103.213		
Ø3.5	103.513	Ø5.0	103.517
Ø3.75	103.514	Ø3.8/4.3	103.214
Ø4.0	103.515	Ø4.3/5.3	103.215
Ø4.3	103.516	Ø5.3/6	103.221

### Twist Drills

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



	Short 31 mm	Regular 35 mm	Long 43 mm
Ø2.0	103.222	103.162	103.228
Ø2.8	103.223	103.163	103.229
Ø3.0	103.224	103.164	103.230
Ø3.3	103.225	103.166	103.231
Ø3.8	103.226	103.167	
Ø4.3	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.



Ø2.0	103.492	Ø4.3	103.496
Ø3.5	103.493	Ø5.0	103.497
Ø3.75	103.494	Ø6.0	103.498
Ø4.0	103.495	Ø7.0	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.



Ø3.5+	103.500	Ø4.3+	103.503
Ø3.75+	103.501	Ø5.0+	103.504
Ø4.0+	103.502		

### Control Drill Stops

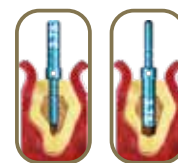
- :: Available in titanium;
- :: To be used in association with the Control Stop Drills;
- :: Physical control for drilling depth.



	8 mm	10 mm	11.5 mm	13 mm
Ø2.0	125.144	125.145	125.146	125.147
Ø3.5	125.148	125.149	125.150	125.151
Ø3.75/4.0	125.152	125.153	125.154	125.155
Ø4.3/5.0	125.156	125.157	125.158	125.159
Ø6.0/7.0	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

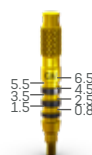
- :: Available in surgical steel;
- :: Fit the drill directly into the Drill Extension.



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 Ncm.

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 Ncm..

Short	Long
22 mm	30 mm

105.129 105.130

### Neo Screwdriver Torque Connection - Torque Wrench



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

Short	Medium	Long
16.5 mm	22 mm	32 mm

105.133 105.132 105.157

### Neo Manual Screwdriver



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

Short	Medium	Long
21 mm	25 mm	37 mm

104.058 104.060 104.070

### Neo Screwdriver Torque Connection - Contra-angle



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

Extra Short	Short	Long	Extra Long
16.5 mm	24 mm	31 mm	37 mm

105.146 105.135 105.160 105.167

### Hexagonal Prosthetic Driver



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

Contra-angle	Torque Wrench
--------------	---------------

105.138 105.137

### Angled Solution Screwdriver for Torque Wrench



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

Short	Medium	Long
16.5 mm	22.5 mm	28.5 mm

105.150 105.151 105.152

### Angled Solution Screwdriver for Contra-angle



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

Short	Medium	Long
20 mm	26 mm	32 mm

105.147 105.148 105.149

### GM Bone Profile Drill with Guide



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

103.424

### Angle Measurer for Drill 2.0



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

17°	30°
128.030	128.031

### GM Angle Measurer



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

17°	30°
128.032	128.033

### Control Stop Kit Holder



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

110.310



## Manual Implant Drivers



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

Contra-angle  
Connections  
104.028

Torque Wrench  
Connections  
104.005

## Remover for Abutments with internal threads



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

Regular 130.118    Long 130.114

## Remover for Neo Screws



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

Regular 130.119    Long 130.115

## Tapered X-ray positioner Drive/Helix



- :: Available in Titanium
- :: Used to verify the depth of ostemotomy without opening flaps;
- :: We suggest using a periodical x-ray to evaluate

Ø3.5 129.009    Ø4.3 129.013    Ø5.0 129.014

## Torque Wrench



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

Regular  
104.050

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

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



Regular  
130.117

Long  
130.116

\*130.117 and 130.116 sold as a set of two.

## Stainless Steel Removal Implants,

- :: Implants Removal
- :: Stainless Steel



Regular  
130.050



# Neodent easyguide

## SIMPLICITY AT ONE HAND

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



### STRAIGHTFORWARD GUIDED SURGERY TECHNIQUE

Surgical convenience with one-hand procedures



### EFFICIENT TREATMENT PROTOCOLS

Intuitive and simple technique



### PREDICTABLE SURGICAL RESULTS

Confidence for accurate implant positioning



### PATIENT TREATMENT ACCEPTANCE

Communication building trust and patient engagement



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

Simple technique

Reduced number of instruments

Surgeries can be performed without assistance

## ONE DRILL DESIGN

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

1



COLOR CODE ACCORDING TO IMPLANT DIAMETER

2



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

3

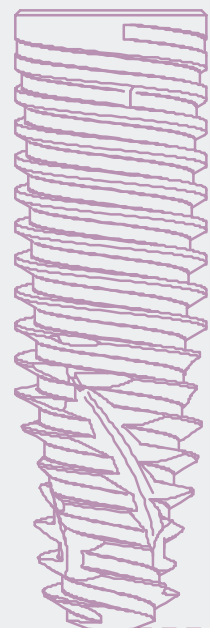


LASER-MARKED LENGTH

4



ACTIVE PORTION MATCHING IMPLANT LENGTHS



1

2

3

4





### FULLY GUIDED BED PREPARATION

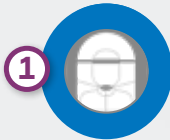
- Intimate contact between drill and sleeve for accuracy in angulation
- Depth control with stop drills

### FULLY GUIDED IMPLANT INSERTION

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



**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.

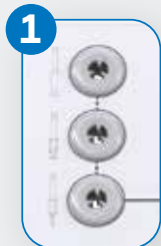
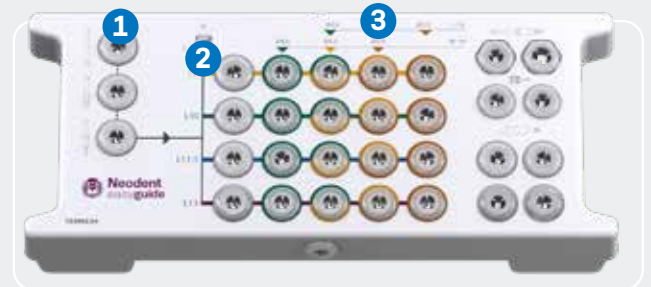


**4. SURGICAL PROCEDURE**  
Neodent® EasyGuide presents two surgical kits, selected according to the implant diameter.

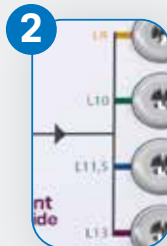
### EASYGUIDE KIT NARROW/REGULAR • Ø3.5, Ø3.75



### EASYGUIDE KIT REGULAR/WIDE • Ø4.0, Ø4.3, Ø5.0



**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**

Neodent®  
EasyGuide  
Kits

---

# Neodent® EasyGuide Kit for Narrow/Regular Diameter Implants



Autoclavable polymer case.

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

## Articles

- |         |  |         |   |
|---------|--|---------|---|
| 110.313 | EasyGuide Kit Narrow/Reg. Diam. Tray   | 103.551 | Narrow Tapered Drill D3.5/3.75X10           |
| 125.170 | GM Narrow Stabilizer - 3 units per kit | 103.552 | Narrow Tapered Drill D3.5/3.75X11.5         |
| 105.161 | GM Narrow Driver for Contra-angle      | 103.553 | Narrow Tapered Drill D3.5/3.75X13           |
| 105.162 | GM Narrow Driver for Torque Wrench     | 103.554 | Narrow Tapered Drill D3.75X8                |
| 103.583 | Narrow Mucosa Punch                    | 103.555 | Narrow Tapered Drill D3.75X10               |
| 103.519 | Narrow Bone Leveling Drill             | 103.556 | Narrow Tapered Drill D3.75X11.5             |
| 103.545 | Narrow Initial Drill                   | 103.557 | Narrow Tapered Drill D3.75X13               |
| 103.546 | Narrow Tapered Drill D3.5X8            | 105.167 | Extra-Long Neo Screwdriver for Contra-angle |
| 103.547 | Narrow Tapered Drill D3.5X10           | 104.060 | Neo Manual Screwdriver (Medium)             |
| 103.548 | Narrow Tapered Drill D3.5X11.5         | 103.558 | Drill for Palatal Setter                    |
| 103.549 | Narrow Tapered Drill D3.5X13           | 125.176 | Palatal Setter                              |
| 103.550 | Narrow Tapered Drill D3.5/3.75X8       | 103.395 | Guided Surgery Drill 1.3                    |

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

# Neodent® EasyGuide Kit for Regular/Wide Diameter Implants



Autoclavable polymer case.

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

## Articles

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

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



Neodent®  
EasyGuide  
Instruments

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### 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.

	Ø3.5	Ø3.5/3.75	Ø3.75
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.

	Ø2.7	Ø4.0	Ø4.0/4.3	Ø4.3/5.0	Ø5.0
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 Ø1.3	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 Ncm.

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 Ncm.

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 Ncm.

Narrow Regular  
105.162 105.164

### Neo Screwdriver Torque Connection - Contra-angle

- :: Available in stainless steel;
- :: Maximum torque 20 Ncm.



105.167

54



### 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



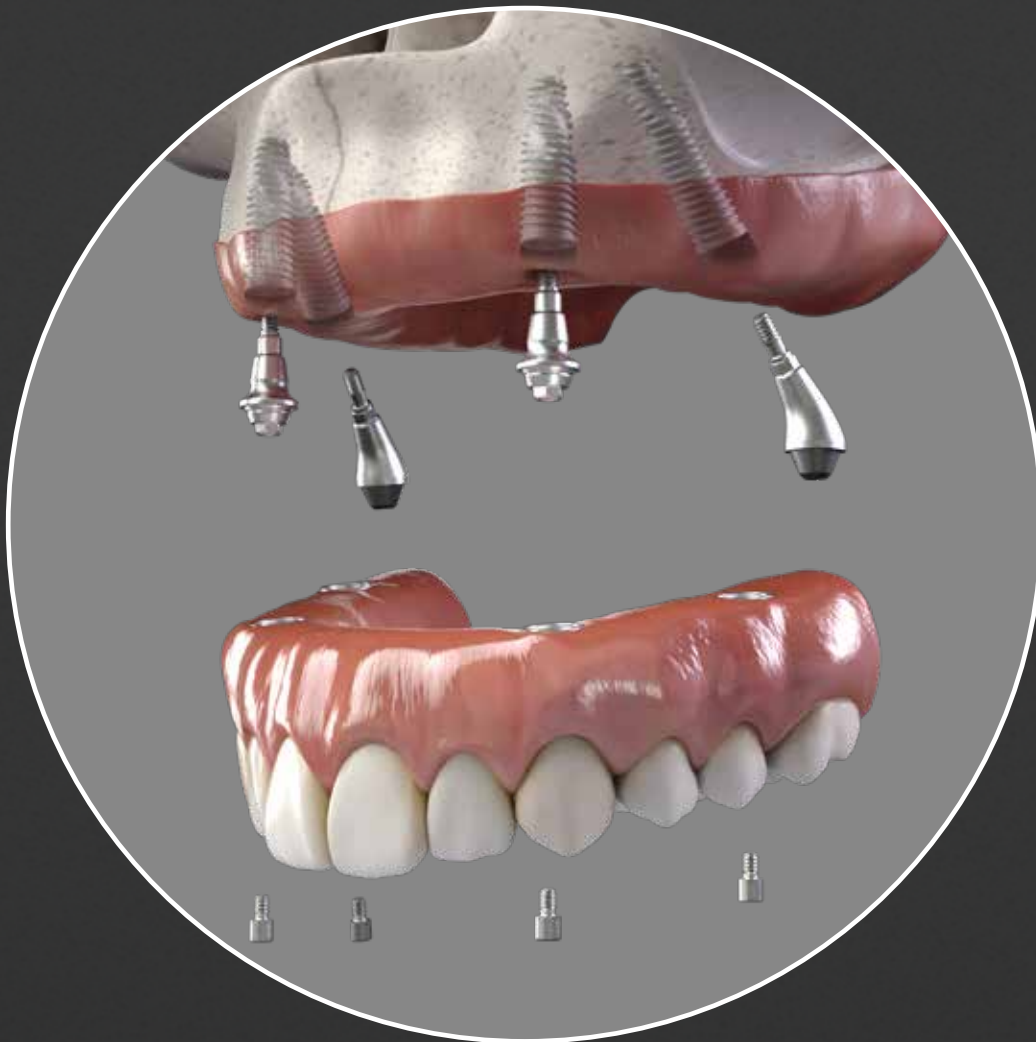


# A SMILE FOR EVERYONE

## 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® aims to improve patient satisfaction and quality of life by immediately restoring function and esthetics <sup>(10)</sup>.







Immediate function resulting in shorter treatment times.

- Different implants techniques to minimize the use of grafting procedure<sup>(11)</sup>.
- Optimized implant design to achieve high primary stability in all bone types<sup>(12)</sup>.



Immediate natural-looking esthetics with versatile restorative options.

- A broad gingival height abutment range to cater the patient's needs.
- Options of straight and angled abutments (0°, 17°, 30°, 45°, 52° & 60°).



Immediate peace of mind thanks to a stable foundation.

- One connection regardless of the diameters.
- Unique connection combining Platform Switching associated with a deep 16° Morse taper including an internal indexation.

## SOLUTIONS FOR ALL CLINICAL NEEDS

An implant system designed for predictable immediate treatments in all bone types even with different conditions of the residual alveolar bone.



Helix GM™



Helix GM™ Long



Zygoma GM™



Zygoma-S GM™

57



BONE RESORPTION



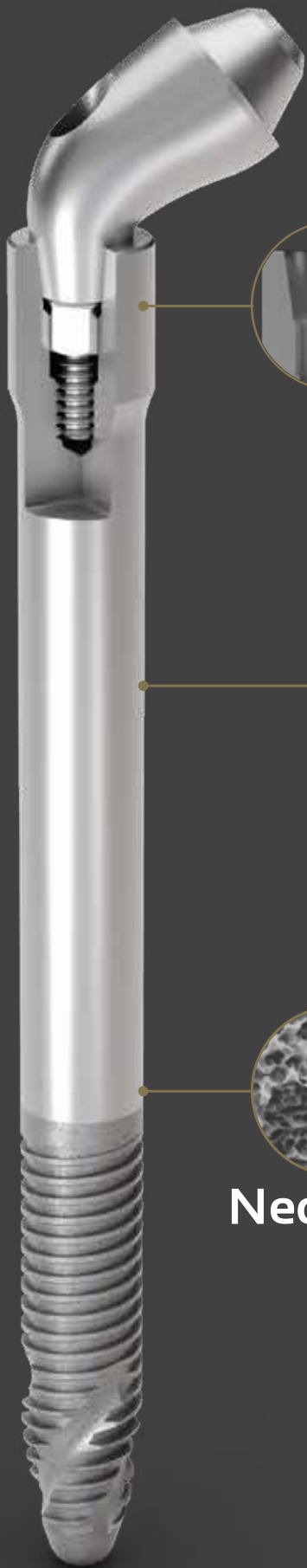
## Zygoma-S

**Greatness in severely atrophic maxillae cases**



**GRAND MORSE™  
CONNECTION**

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



**NeoPoros**

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

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

**IMPLANT DESIGNED TO PROVIDE STABILITY IN  
SEVERELY ATROPHIC MAXILLAE,<sup>[5]</sup> RESULTING IN  
ANATOMICAL EFFICIENCY**

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

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

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



**A SMILE FOR EVERYONE**

# Neodent® Zygoma GM™ and Helix GM® Long Implant Packaging

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

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



## Package instruction of use

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



## e-IFU – Electronic Instructions For Use

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

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

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



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

1

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

2

Enter in the field search the article number.

Search IFU

Type the product or IFU

NEODENT

We found 1 valid IFU for your search by:

109.1044.\_\_\_\_

DM Hella LG Implant  
Valid for Andorra, Argentina, Aruba, A. Brazil, Bulgaria, Canada, Chile, Col. Czech Republic, Denmark, Egypt, France, Germany, Greece,

3

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

download

4

Click the "download" button to open the file.

NEODENT

5

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



# GM Zygomax-S

## PRODUCT FEATURES:

### Implants Description:

- Hybrid contour with a cylindrical shape coronal and medium parts part; conical shape on the apical area;
- Tissue Protect: Smooth machined surface in the implant body, designed for extramaxillary approaches
- The apex has a conical profile with a spherical tip and three equally spaced helical flutes;
- Trapezoidal thread and progressive increase of the thread depth at the apical portion;
- Holder integrated to the implant body and packaging;
- Neoporos surface;

---

Zygomatic implants are indicated for intraoral surgical procedures in the zygoma region in cases of severe maxilla bone resorption, to restore the patient's chewing function and aesthetics.

Note: Immediate loading requires at least 35 Ncm and no more than 60 N-cm of insertion torque.

---

### Drilling features:


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

Available with:

**NeoPoros®**























## Drill Sequence



		Ø2.35 103.455 71 mm 103.614 100 mm 103.454 guided	Lateral cutting drill Ø4.0 103.619	Ø3.5 103.615 71 mm 103.616 100 mm	Ø3.75 103.617 71 mm 103.618 100 mm	Profile Drill Ø4.0 103.620
Ø3.5 mm	Optional	Optional	Optional	Optional	Optional	Optional
Ø3.75 mm	Optional	Optional	Optional	Optional	Optional	Optional

## GM Zygoma-S implants

	30.0 mm	35.0 mm	37.5 mm	40.0 mm	42.5 mm	45.0 mm	47.5 mm	50.0 mm	52.5 mm	55.0 mm
Ø3.5										
NeoPoros	109.1086	109.1087	109.1088	109.1089	109.1090	109.1091	109.1092	109.1093	109.1094	109.1095
Ø3.75										
NeoPoros	109.1096	109.1097	109.1098	109.1099	109.1100	109.1101	109.1102	109.1103	109.1104	109.1105

## GM Cover Screw



0 mm	2 mm
117.021	117.022

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

# 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 Ncm.

Available with:

**NeoPoros®**



## Drill Sequence









	Initial	Ø2.35	Ø3.75	Ø4.0
	103.453	103.462	103.463	103.464
Ø3.75 mm	Optional	✓	✓	
Ø4.0 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
Ø3.75			
NeoPoros	109.1043	109.1044	109.1045
Ø4.0			
NeoPoros	109.1046	109.1047	109.1048


## GM Healing Abutment



Profile	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
Ø3.3	106.207	106.208	106.209	106.210	106.211	106.212
Ø4.5	106.213	106.214	106.215	106.216	106.217	106.218
Ø5.5		106.250	106.251	106.252	106.253	
Ø6.5		106.254	106.255	106.256	106.257	


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

## GM Customizable Healing Abutments



Profile	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm	6.5 mm
Ø5.5	106.223	106.224	106.225	106.226	106.227	
Ø7.0		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 Ncm.

# Zygoma GM™

## PRODUCT FEATURES:

### Implants Description:

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

### Indications:

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

### Drilling features:

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

Available with:

**NeoPoros®**



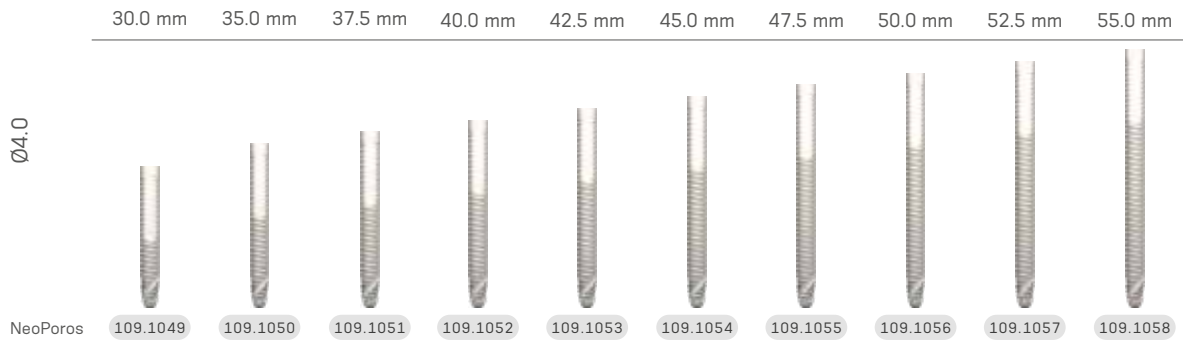


### Drill Sequence



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

### Zygoma GM™ Implants



### GM Cover Screw



0 mm      2 mm  
 117.021    117.022

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

# GM™ Mini Conical Abutment

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

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



Multiple-unit screw-retained prosthesis



Ø4.8 mm

Exact;  
Neo Removable Screw.



## Installation Sequence

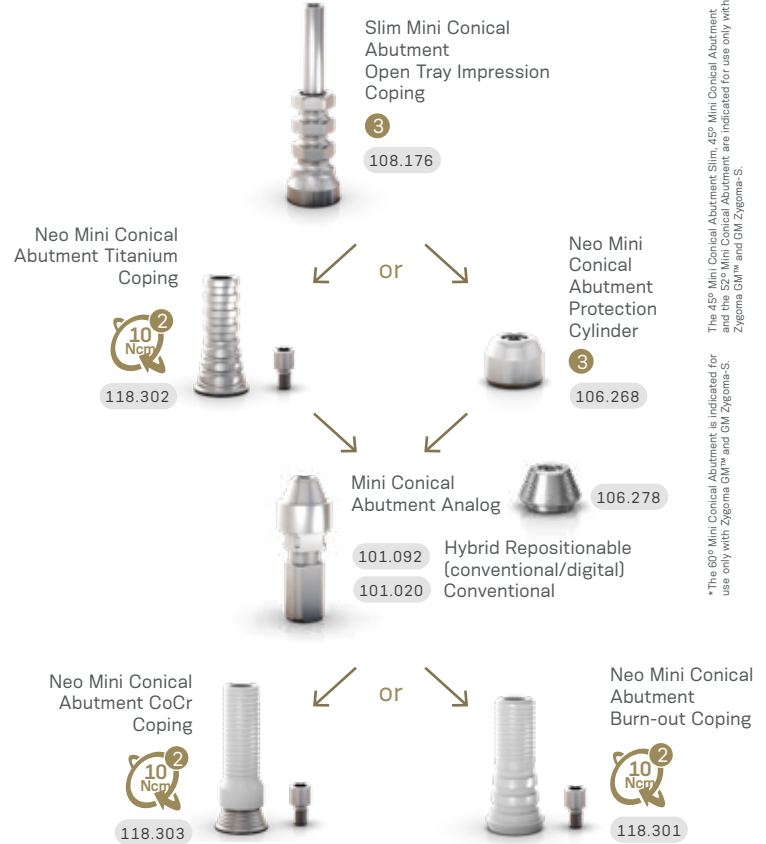
GM Mini Conical Abutment	GM Exact Mini Conical * Abutment 17°/30°/45° 45°/45° slim/52° 60°								
	0.8 mm	1.5 mm	2.5 mm	17°	30°	45°	45° slim	52°	60°
115.243	115.244	115.245	1.5 mm	115.275	115.278	115.281	115.302	115.300	115.285
115.246	115.247	115.248	2.5 mm	115.276	115.279	115.282	115.303	115.301	115.286
			3.5 mm	115.277	115.280				

### Intraoral

### Model Scanning

### Conventional

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

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

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

## Drivers

- 1 Hexagonal Prosthetic Driver + Torque Wrench
- 2 Neo Screwdriver Torque Connection + Torque Wrench
- 3 Neo Screwdriver Torque Connection + Manual Screwdriver Torque

## Accessories

- Replacement Abutment Screw
  - 116.291 Neo GM Screw - for abutments with 1.5-2.5 GH
  - 116.292 Neo GM Screw (Long) - for abutments with 3.5-5.5 GH
- Mini Conical Abutment Polishing Protector (123.008)
- Replacement Coping Screw (116.269) Titanium



# Measurements GM™ Mini Conical Abutment

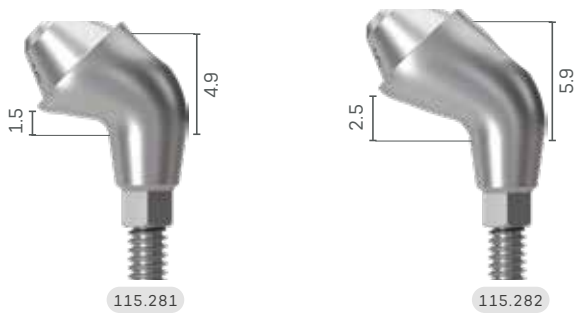
17°



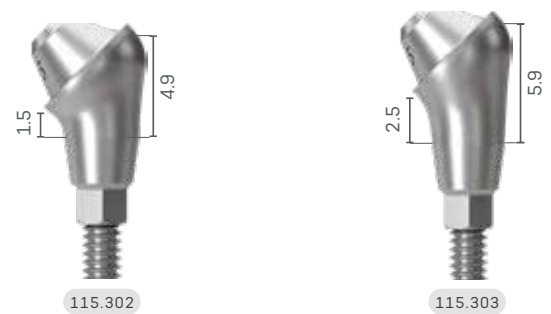
30°



45°\*



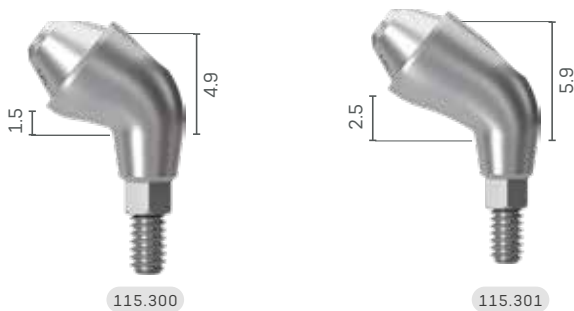
45° slim\*



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

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

52°\*



60°\*



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

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





# NeoArch<sup>®</sup> Kits

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# 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.

# Zygoma GM™ Surgical Kit

Autoclavable polymer case.



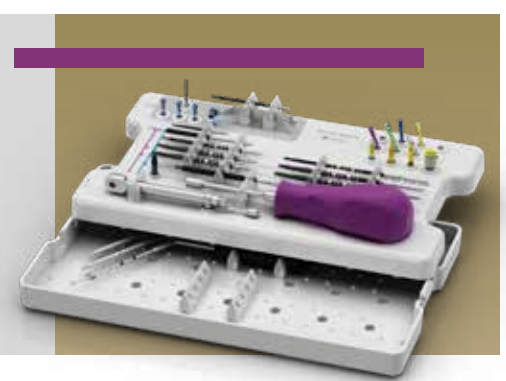
## Articles

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

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# GM™ Zygoma-S Surgical Kit

Autoclavable polymer case.



## Articles

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

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

# NeoArch<sup>®</sup> Instruments

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### Helix GM™ Long Drills

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

Initial	Ø2.35	Ø3.75	Ø4.0
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.

Ø2.35	Ø3.75	Ø4.0
103.459	103.460	103.461



### Zygoma GM™ Drills

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

	Pilot		
Ø2.35	Ø2.3/3.2	Ø3.75	Ø4.0
103.455	103.465	103.466	103.457



### Zygoma GM™ Lateral Direction Drill

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

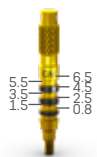
Ø4.0
103.458



### Zygoma GM™ Drill for Guided Surgery

:: Available in surgical steel;  
:: After using the first drill, the surgical guide must be removed and the conventional protocol must be started.

Ø2.35
103.454



### GM Height Measurer

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

128.028
---------

### GM Implant Driver - Contra-Angle



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

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 Ncm.

	Short	Long
	22 mm	30 mm
	105.129	105.130

### Neo Screwdriver Torque Connection - Torque Wrench



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

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



### Neo Manual Screwdriver

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

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

### Neo Screwdriver Torque Connection - Contra-angle



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

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



### Hexagonal Prosthetic Driver

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

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### 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.

Ø2.0/2.35    Ø3.75/4.0

125.140    125.141



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

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

Ø2.35

125.139



### Guided Surgery Drill 1.3 and Guide Clamp

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

Drill Ø1.3    Guide Clamp

103.395

125.100



### Guided Surgery GM Connection - Contra-Angle

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

Regular

105.140



### Guided Surgery GM Connection - Torque Wrench

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

Regular

105.143



### Helix GM™ Long X-ray Positioner

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

129.021



### Zygoma GM™ GM Zygoma-S Probes

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

Zygoma GM	Ø2.35	Ø4.0
	129.022	129.023

Zygoma-S	Ø2.35	Ø3.5	Ø3.75
	129.037	129.038	129.039



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

- :: Instrument for application of manual torque.

104.063



### Torque Wrench

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

104.050





### Remover for Abutments with internal threads

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

Regular 130.118    Long 130.114



### Remover for Neo Screws

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

Regular 130.119    Long 130.115

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

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



Regular 130.117

Long 130.116

\*130.117 and 130.116 sold as a set of two



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

Fixed full arch solutions have an important role in implant dentistry.

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

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



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

NeoConvert is an enhanced technique to convert removable to fixed dentures: allowing simplicity in every step for immediacy.

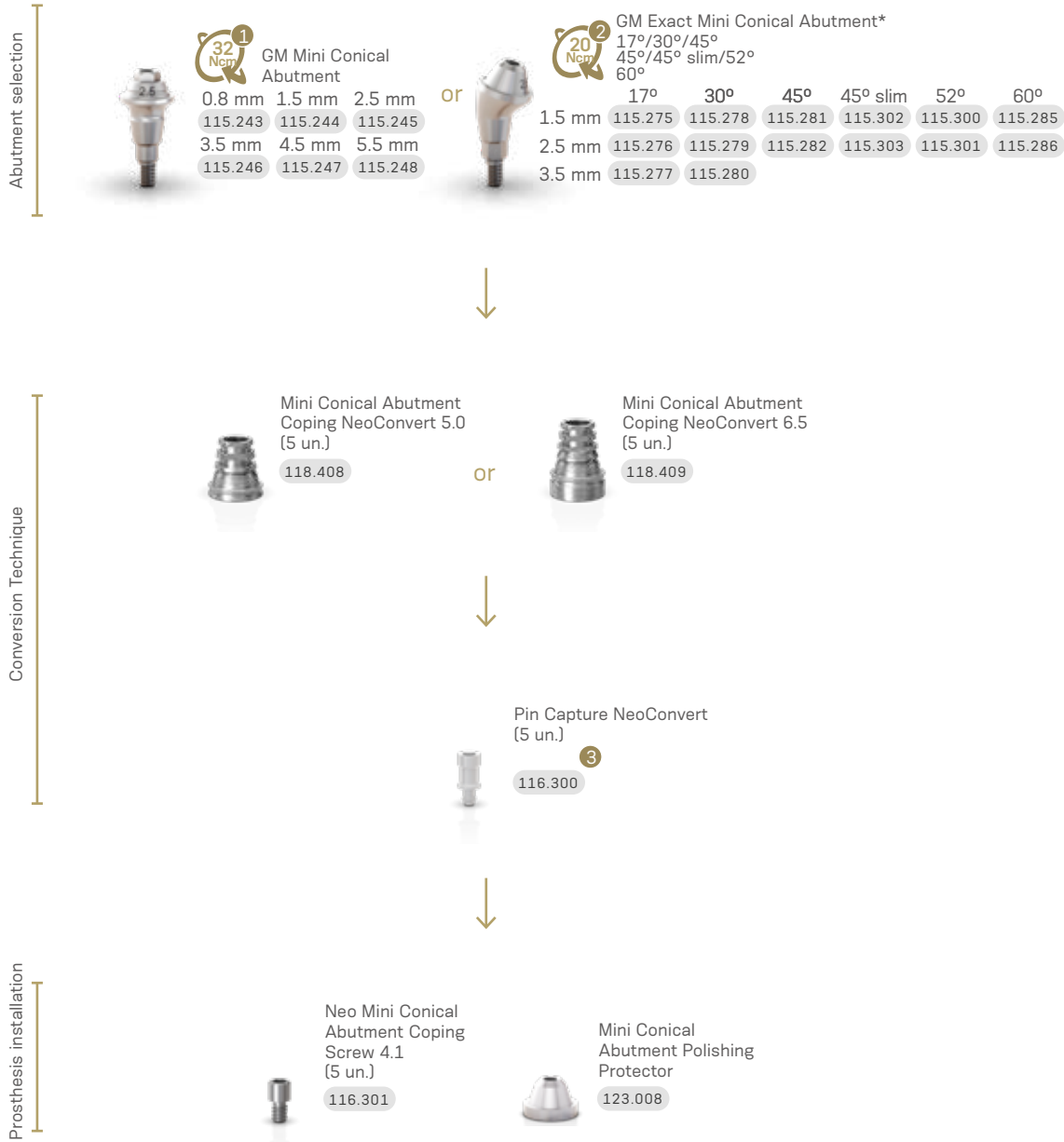


### **IMMEDIATE FULL ARCH TREATMENT:** ONE STEP CLOSER TO EFFECTIVENESS

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

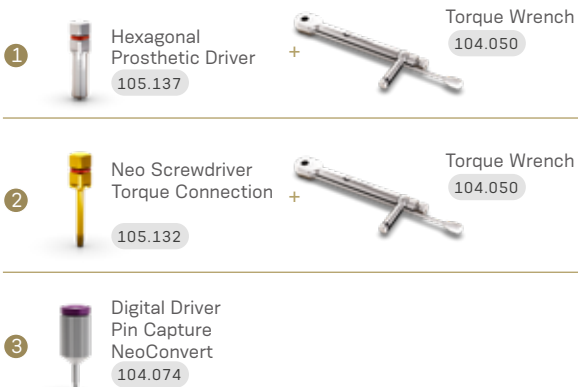


## Installation Sequence



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

## Drivers



## Accessories



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



## DIFFERENTIATE YOUR PRACTICE WITH GUIDED SURGERY.



### Improve patient quality of life.

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



### Access to more treatment options.

- Reliable access to flapless surgery <sup>(14-16)</sup>.
- Designed to reduce bone grafting procedures.
- Predictable immediate protocols.



### Increase patient acceptance.

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

## SURGICAL PREDICTABILITY AND EFFICIENCY WITH A LIMITLESS SOLUTION.

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



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



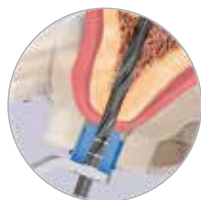
**Convenient**  
Color-coded instruments  
and symbol-marked



**Flexible**  
2 sleeve height positions



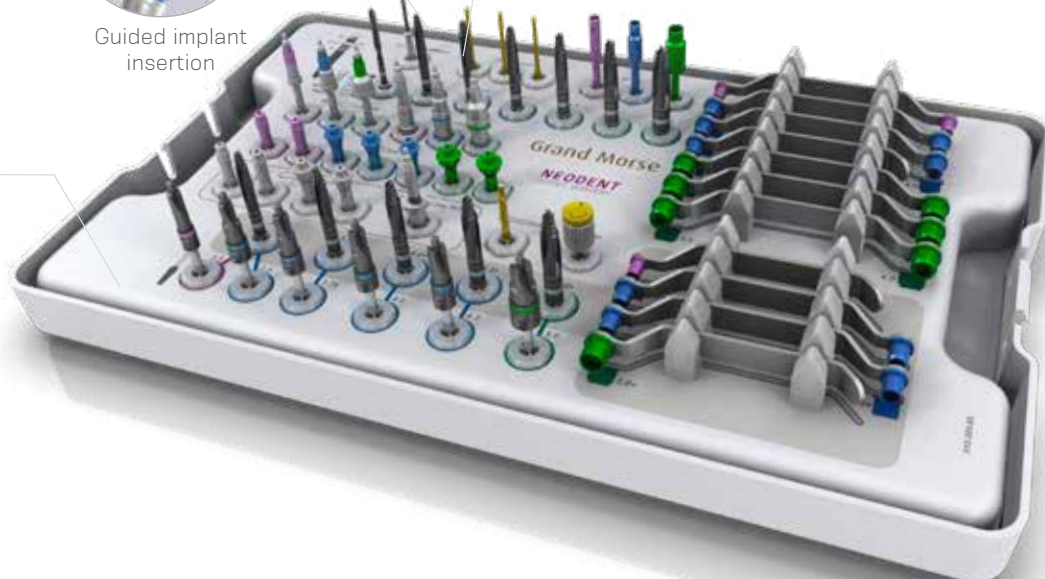
Guided implant  
insertion



Guided bed  
preparation

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

Compatible with major guided  
surgery software



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

---



# Grand Morse™ Guided Surgery Surgical Kit

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



## Articles

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

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

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

Neodent<sup>®</sup>  
Guided Surgery  
Instruments

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### Guided Surgery Tapered Drills

- :: Available in surgical steel;
- :: Drill sequence for Helix GM™ and Drive GM™ Implants in the guided surgery technique;
- :: Fully guided technique with Short Drills indicated for 8, 10 or 11.5 mm long implants.

	Ø2.0	Ø3.5	Ø3.75	Ø4.0	Ø4.3	Ø5.0	Ø6.0
Short 36.5 mm	103.475	103.476	103.477	103.478	103.479	103.480	103.481
Regular 41 mm	103.432	103.433	103.434	103.435	103.436	103.437	103.438



### Guided Surgery Drill 1.3 and Guide Clamp

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

Drill Ø1.3	Guide Clamp
103.395	125.100



### Guided Surgery Tapered Contour Drills

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

	Ø3.5+	Ø3.75+	Ø4.0+	Ø4.3+	Ø5.0+
Short 36.5 mm	103.482	103.483	103.484	103.485	103.486
Regular 41 mm	103.439	103.440	103.441	103.442	103.443



### Guided Surgery Punch - Contra-Angle

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

Narrow	Regular	Wide
103.429	103.430	103.431



### Guided Surgery GM Pilot Drills

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

	Narrow	Regular	Wide
Ø3.5	103.444	Ø3.5 103.445	Ø5.0 103.449
		Ø3.75 103.446	
		Ø4.0 103.447	
		Ø4.3 103.448	



### 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
Ø2.0/3.5	125.119	Ø2.0/3.5 125.121	Ø2.0/3.5 125.126
Ø3.5+	125.120	Ø3.75/4.0 125.122	Ø4.0/4.3 125.127
		Ø4.3 125.123	Ø5.0/6.0 125.128
		Ø3.5+/3.75+ 125.124	Ø5.0+ 125.129
		Ø4.0+/4.3+ 125.125	



### Guided Surgery GM™ Connection - Contra-Angle

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

Narrow	Regular	Wide
105.139	105.140	105.141



### Guided Surgery Guide Stabilizers

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

Narrow	Regular	Wide
125.130	125.131	125.132



### Guided Surgery GM Connection - Torque Wrench

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

Narrow	Regular	Wide
105.142	105.143	105.144



### Guided Surgery Guide Stabilizers - Long

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

Narrow	Regular
125.133	125.134



### Guided Surgery GM H 11 Connection - Torque Wrench

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

105.145

### Sleeves for Neodent® Guided Surgery System

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



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





# Ceramic Implant System

Increasing expectations for esthetic treatments, the Neodent® Ceramic Implant System combines the notions of flexibility, stability, and esthetics. The two-piece system with a Zi Ceramic implant and Zi Ceramic abutment solution retained with a titanium alloy screw, allows an immediate loading protocol when good primary stability is achieved along with physiological occlusal loading, thanks to the modern naturally tapered Ceramic implant design. The system features a comprehensive ceramic prosthetic portfolio to maximize stability and predictability in immediate treatments.

## A new **mindset**

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







## A new flexibility mindset

Looking to treat several demanding treatments, the Zi Ceramic Implant System delivers the flexibility of a 2-piece connection combined with a strong screw-retained ceramic implant and ceramic abutment connection.



### RELIABLE AND STRONG CERAMIC SYSTEM

The unique patent pending 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 zirconia 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 is designed for precise abutment positioning and protection against rotation. The outcome is a user-friendly system that provides higher treatment flexibility when compared to one-piece implants.

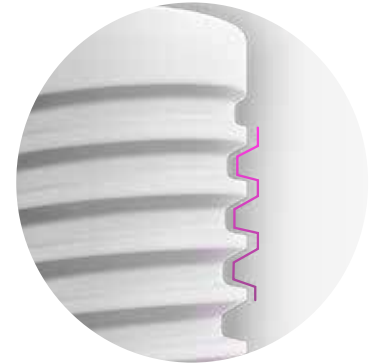


## A new **stability mindset**

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.

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

The Zi 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.



Double trapezoidal thread design.



Apically tapered with chamber flutes.

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

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





## A new **esthetic mindset**

Zi offers a comprehensive portfolio to achieve an outstanding esthetic performance with a natural esthetic result using the ceramic material.

### **OUTSTANDING ESTHETIC PERFORMANCE**

The Neodent Zi Ceramic Implant System seeks to offer outstanding natural-looking performance and outcome, featuring a ceramic material which supports the reconstruction due to its color that mimics natural teeth and benefits from a high translucency compared to metals for amazing esthetic results.

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

The Ceramic prosthetic portfolio allows for immediate protocol. In addition, preferable workflow can be applied, providing a natural-looking restoration.



#### **ZI BASE**



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



Ø3.75/4.5 mm



#### **ZI CR ABUTMENT**



Single-unit cement-retained prosthesis



Ø4.0/4.5 mm

# Neodent Zi Implant Packaging

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

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



## Package instruction of use



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

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



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



3. Keep the support stable and remove the lid.



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



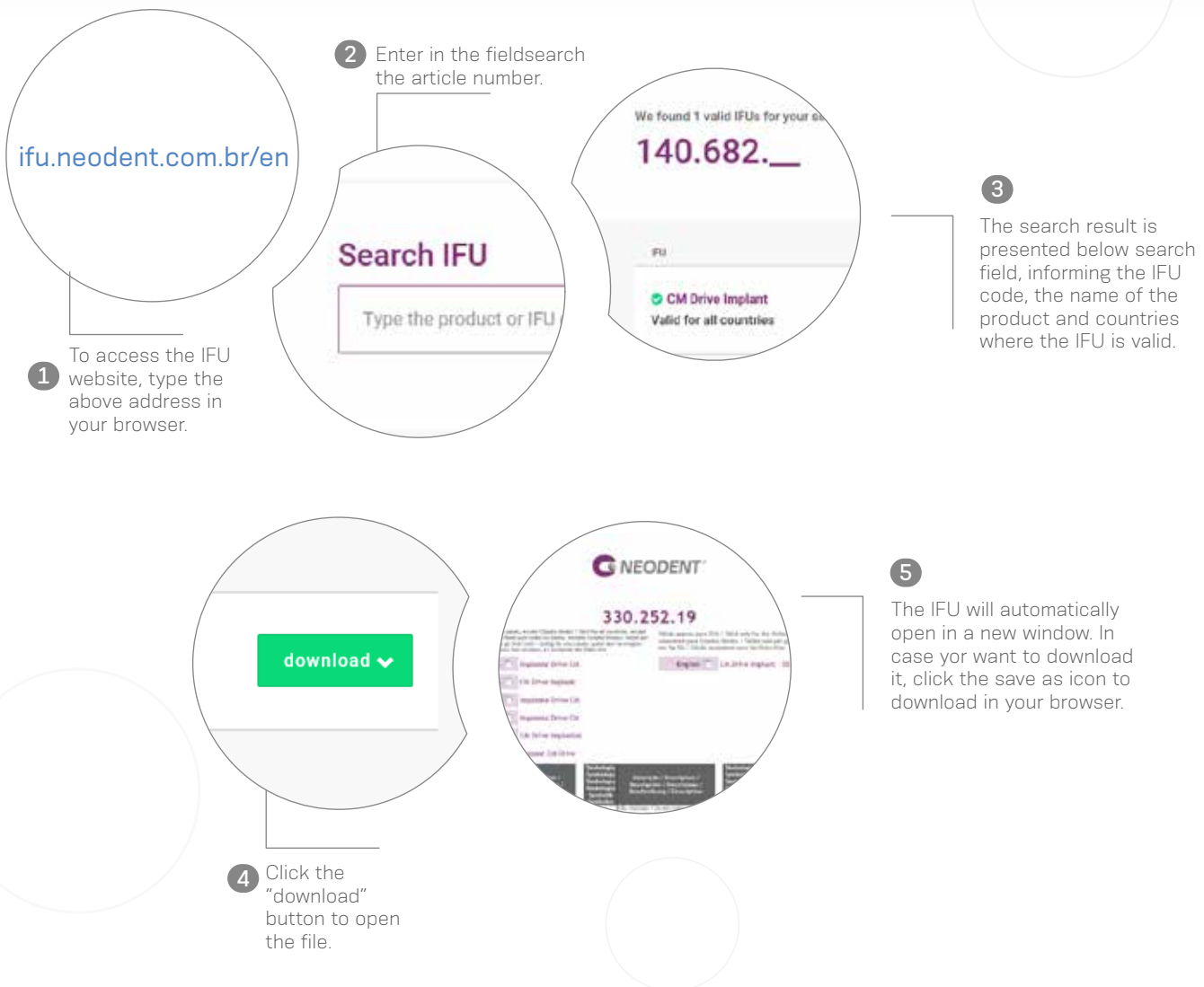
5. Take the transfer-implant assembly to the surgical cavity.

## e-IFU – Electronic Instructions For Use

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

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

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



# Zi Implant

## PRODUCT FEATURES:

### Implants Description:

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

### Indications:

- Indicated for all types of bone density
- 

### Drilling features:

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

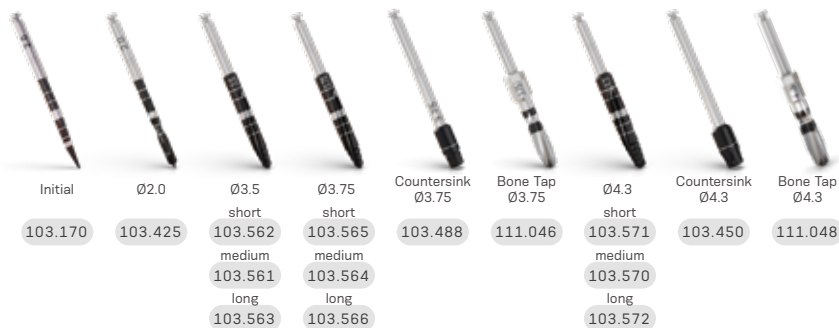
### Surface:

- 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



Ø3.75 mm	✓*	✓	✓	✓	✓	✓			
Ø4.3 mm	✓*	✓	✓				✓	✓	✓

\*Optional / Bone types I and II

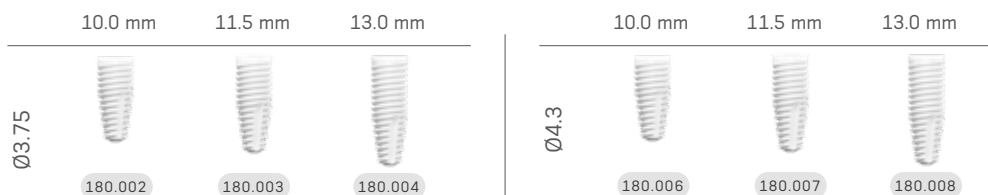
Ø3.75 mm	✓*	✓	✓	✓	✓				
Ø4.3 mm	✓*	✓	✓				✓	✓	

\*Optional / Bone type III

Ø3.75 mm	✓*	✓	✓	✓					
Ø4.3 mm	✓*	✓	✓				✓		

\*Optional / Bone type IV

## Zi Implants



### Zi Healing Abutments



Profile	1.5 mm	2.5 mm
Ø3.75	106.233	106.234
Ø4.5	106.235	106.236

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

### Zi Cover Screw



117.023

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

# Peek CR Abutment



Single-unit  
cement-retained  
temporary  
prosthesis



Ø4.0/4.5 mm

- Neo screwdriver connection;
- Cementable area height: 5.0 mm;
- Gingival height: 1.5 & 2.5 mm;
- ZiLock™ connection;
- Removable screw.



## Installation Sequence

	1.5 mm	2.5 mm	Peek CR Abutment	
Ø4.0	114.888	114.889		
Ø4.5	114.886	114.887		

↓

	Impression Coping CR Abutment
Ø4.0	108.201
Ø4.5	108.202

↓

	Provisional Coping CR Abutment
Ø4.0	108.201
Ø4.5	108.202

↓

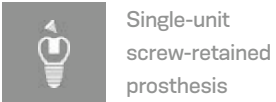
	Zi CR Abutment Analog
Ø4.0	101.105
Ø4.5	101.106

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

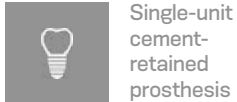
## Drivers

① + Torque Wrench

# Zi Base



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



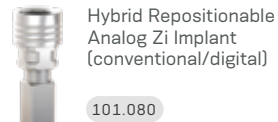
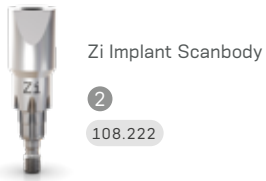
Ø3.75/4.5 mm

- Neo screwdriver connection;
- Chimney height: 4.0 mm;
- Gingiva height: 1.5 & 2.5 mm;
- ZiLock™ connection;
- Removable screw.

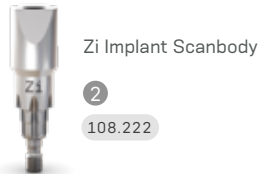
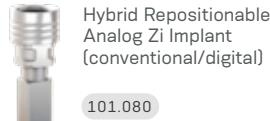
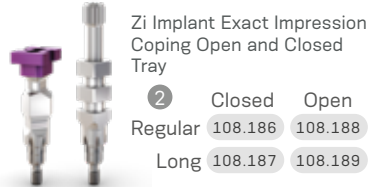


## Installation Sequence

### Intraoral scanning



### Model Scanning



	1.5 mm	2.5 mm
Ø3.75	135.254	135.255
Ø4.5	135.256	135.257

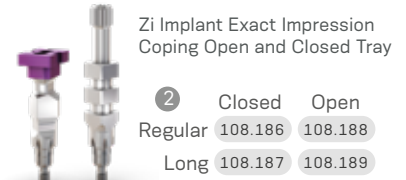
Zi Base



	Burn-out coping Zi Base
Ø3.75	118.343
Ø4.5	118.325



### Conventional



	1.5 mm	2.5 mm	3.5 mm	4.5 mm
Ø3.75	135.254	135.255	135.440	135.441
Ø4.5	135.256	135.257	135.442	135.443

Zi Base



Burn-out coping Zi Base

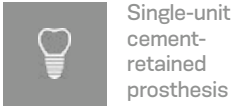
Ø3.75	118.343
Ø4.5	118.325



## Drivers



# Zi CR Abutment

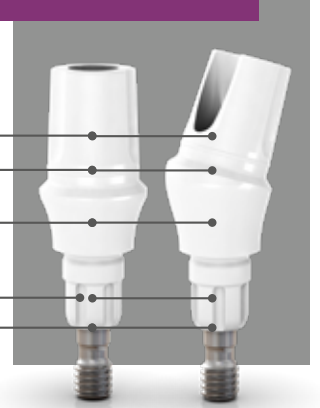


Single-unit  
cement-  
retained  
prosthesis



Ø4.0/4.5 mm

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



## Installation Sequence

	1.5 mm	2.5 mm	3.5 mm	4.5 mm	Zi CR Abutment Straight
Ø4.0	114.854	114.855	114.916	114.917	 
Ø4.5	114.856	114.857	114.918	114.919	

	1.5 mm	2.5 mm	3.5 mm	Zi CR Abutment Angulated 17°
Ø4.0	114.858	114.859	114.920	 
Ø4.5	114.860	114.861	114.922	

### Intraoral

	Zi CR Abutment Scanbody
19	Ø4.0 108.199
20	Ø4.5 108.200

	Zi CR Abutment Analog
	Ø4.0 101.106
	Ø4.5 101.105

Milled Crown

### Conventional

	Impression Coping CR Abutment
	Ø4.0 108.201
	Ø4.5 108.202

	Provisional Coping CR Abutment
	Ø4.0 108.201
	Ø4.5 108.202

	Zi CR Abutment Analog
	Ø4.0 101.106
	Ø4.5 101.105

	Zi CR Abutment Burn Out Coping
	Ø4.0 118.367
	Ø4.5 118.368

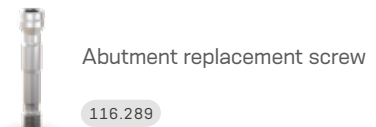
Hybrid use: can be used as an impression coping and a provisional abutment.

98

## Drivers



## Accessories



116.289



# Zi Implant System Kit

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# Zi Compact Surgical Kit

Autoclavable polymer case.

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



## Articles

- 110.293 Compact Surgical Kit Zirconia Implant
- 103.488 Countersink Drill For Zirconia Implant 3.75
- 103.450 Countersink Drill For Zirconia Implant 4.3
- 104.050 Torque Wrench Driver
- 111.046 Bone Tap For Zirconia Implant 3.75
- 111.048 Bone Tap For Zirconia Implant 4.3
- 103.170 Initial drill Ø2.0 medium
- 103.425 Tapered Drill Ø2.0
- 103.561 Tapered Drill Ø3.5
- 103.564 Tapered Drill Ø3.75
- 103.570 Tapered Drill Ø4.3

- 103.426 Drill extender
- 104.060 Neo Manual Screwdriver (medium)
- 105.001 Smart/ws Implant Driver - Torque Wrench (short)
- 105.002 Smart/ws Implant Driver - Contra-angle
- 105.018 Hex Connection - Torque Wrench (long)
- 105.132 Neo Screwdriver Torque Connection
- 128.020 Direction indicator Ø3.75
- 128.022 Direction indicator Ø4.3
- 129.020 Tapered X-ray Positioner 3.75
- 129.013 Tapered X-ray Positioner 4.3
- 103.428 Zi Bone Profile Drill With Guide

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

# Zi Ceramic Implant System Instruments

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### Initial Drill

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

103.170

### Neo Screwdriver Torque Connection - Torque Wrench

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



Short	Medium	Long
16.5 mm	22 mm	32 mm

105.133 105.132 105.157

### Tapered Drills

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

- 103.425 Tapered Drill Ø2.0
- 103.561 Tapered Drill Ø3.5
- 103.564 Tapered Drill Ø3.75
- 103.570 Tapered Drill Ø4.3
- 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



### Neo Manual Screwdriver

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

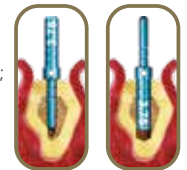


Short	Medium	Long
21 mm	25 mm	37 mm

104.058 104.060 104.070

### Direction Indicators

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



3.0/3.75 128.020 3.6/4.3 128.022

### Countersink Drills

- :: Available in surgical steel;

- 103.488 Countersink Drill For Zirconia Implant Ø3.75
- 103.450 Countersink Drill For Zirconia Implant Ø4.3



### Drill Extension

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



103.426

### Bone Tap

- :: Available in surgical steel;

- 111.046 Bone Tap For Zirconia Implant Ø3.75
- 111.048 Bone Tap For Zirconia Implant Ø4.3



### 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

### Torque Wrench

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



104.050

### Tapered X-Ray Positioner

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



Ø3.75 129.020 Ø4.3 129.013



Neodent®  
Techniques

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# One Step Hybrid Technique

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



### Neo Mini Conical Abutments Copings One Step Hybrid Technique

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

Burn-out	Brass	Titanium
118.340	118.331	118.382



### Neo Micro Conical Abutments Copings One Step Hybrid Technique

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

Burn-out	Brass	Titanium
118.341	118.333	118.381



### Neo Working Screw One Step Hybrid

:: For laboratory use.

116.271

## Demonstration Sequence



Regularize the alveolar ridge.



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



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



Placement of corresponding Neodent® Abutments.



Placement of Impression Copings, splinted with acrylic resin.



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



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

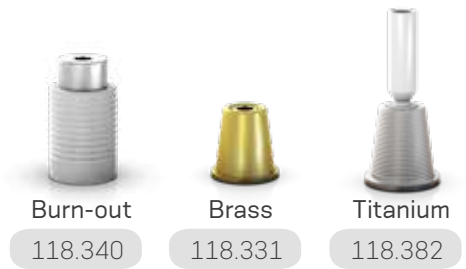


Working model with artificial gum.



Option 1 -Conventional Workflow for cast framework

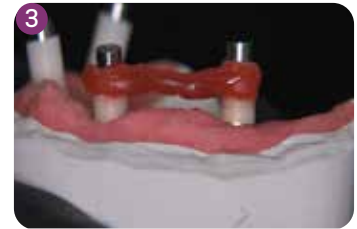
Neo Mini Abutments Copings  
One Step Hybrid Technique



1 Working model with artificial gum.



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



3 Wax-up the framework.



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



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



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



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



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

## Option 2- Digital Workflow for milled Zirconia Bar

### Neo Mini Conical Abutment Coping Base



1 Working model with artificial gum.



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



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



4 Mill the zirconia bar.



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



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



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



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



9 Final framework.

# Distal Bar Technique

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



110



## Neo Distal Bar Coping

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

118.308



## Neo Distal Bar

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

125.116

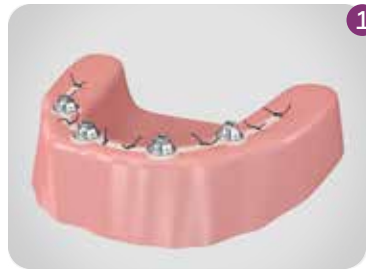


## Polishing Protector

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

123.008

## Demonstration Sequence



**1** Neodent®  
Abutments  
placed.



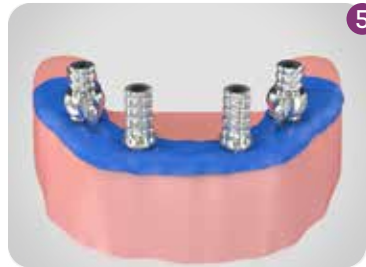
**2** Prosthesis  
wearing,  
keeping  
posterior  
region  
integrity.



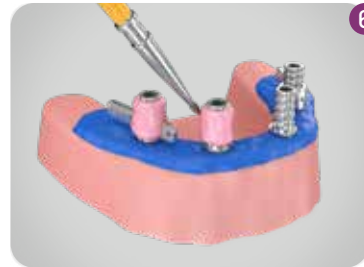
**3** Place the  
copings into  
the central  
Implants and  
Distal Bar to  
distal Implants.



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



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



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



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



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



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



**10** Placed provisional  
implant supported  
prosthesis.



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

# Digital Solutions

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

### Scanbody

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



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



Compatible with Neo Screwdriver

### Hybrid Repositionable Analog

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



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

# General Instruments

---



## Torque Wrench

- :: Available in surgical steel;
- :: 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



## Anthogyr® Torq Control®

- :: Torq Control universal torque wrench including lubrication tip.

15501



## 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



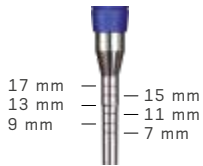
## Bivers Handle

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

129.002



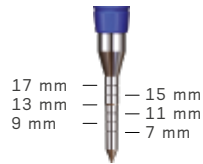
### Concave Osteotome



- :: Available in surgical steel;
- :: Concave active cutting bit for nontraumatic lifting the floor of the maxillary sinus;
- :: Used to prepare the surgical alveolus for Implant placement in the posterior maxillary region with low bone height;
- :: Marks from 7 to 17mm.
- :: Marks from 7 to 17mm.

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

### Convex Osteotome



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

1.8 mm	2.5 mm	3.0 mm	3.5 mm
110.160	110.161	110.162	110.163

### Osteotomes Kit Case

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



110.262

### Surgical Hammer



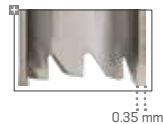
- :: Available in surgical steel;
- :: Polymer active bit;
- :: Used in compactors and expanders;
- :: Weight: 130g.

126.001

### Trepine Bur



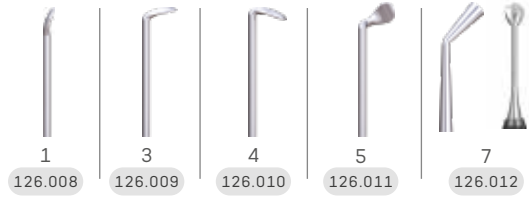
- :: Available in surgical steel;
- :: Collecting bone cylinder;
- :: Implant removal.



Ø3.3	Ø3.5	Ø3.75	Ø4.1
103.051	103.490	103.491	103.026
Ø4.3	Ø5.0	Ø8.0	
103.087	103.027	103.028	

### Sinus Lift Curette

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



### Complement Case



- :: Available in autoclavable polymer;
- :: Used to organize drills and auxiliary connections.

110.270

### Handle Implant Driver



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

104.047

### Analog Handle



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

104.036

### Prosthetic Surgical Guide



- :: Available in titanium;
- :: Abutments to prepare the surgical guide;
- :: Prosthetic guide inner diameter 2 mm
- :: Heights 6 and 10 mm;
- :: Surgical Guide: package with 10 units (5 units of 10 mm and 5 units of 6 mm);
- :: Surgical Guide Pin: package with 5 units

Guide	Pin
103.092	103.093





# Neodent® Helix GM™ Narrow

SMALL DIAMETER, GREAT ACHIEVEMENTS.

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

The Ø2.9 mm Helix GM Narrow provides an immediate, small diameter solution designed to provide simplicity for treatment protocol – regardless of whether guided or non-guided techniques are used – and confidence for strong and stable implant placement.



## DESIGNED FOR STRONG AND STABLE IMPLANT PLACEMENT

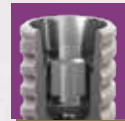
Implant therapy for demanding indications, such as reduced interdental spaces, can raise concerns regarding resistance and biomechanical behavior. Therefore, features of an implant-abutment interface are essential to provide successful long-term functional, stable, and esthetic results.

The Ø2.9 mm Helix features the strong and stable GM Narrow connection, designed with a combination based on proven concepts seeking to achieve long lasting results. A system produced with commercially pure titanium grade 4, offering treatment predictability through the ACQUA hydrophilic surface.

## RELIABLE AND STRONG GM NARROW CONNECTION

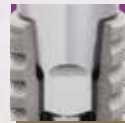
### 16° Morse Taper connection

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, and easy handling.



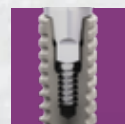
### Platform switching

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



### Screw-retained interface

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



Ø2.9





### COMMERCIALLY PURE TITANIUM GRADE 4

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

### 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 patient cases, such as soft bone or immediate protocols. <sup>[1-4]</sup>



### SIMPLICITY FOR TREATMENT PROTOCOLS

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

#### An intuitive and functional compact surgical cassette

The Helix GM Narrow system allows intuitive conventional and guided surgeries with the functional compact surgical kit.



#### 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.

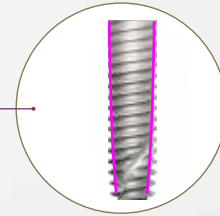
The versatile Neodent® Helix GM Narrow system combines a  $\varnothing 2.9\text{mm}$  Helix implant, with a comprehensive prosthetic portfolio to restore cases in limited bone availability and interdental spaces, for immediate esthetic results.

\*Implant may be loaded immediately when good primary stability is achieved with appropriate occlusal loading.

### THE UNBEATABLE VERSATILITY OF HELIX

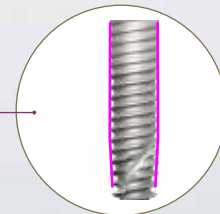
#### Dynamic progressive thread design

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



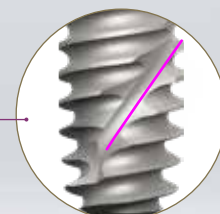
#### Tapered body design

- Coronal: Progressive tapered design;
- Apex:  $12^\circ$   
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



Single-unit screw-  
retained prosthesis



Single-unit cement-  
retained prosthesis



Multiple-unit screw-  
retained prosthesis



Temporary



Overdenture



# Neodent® Helix GM™ Narrow Implant Packaging

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

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



## Package instruction of use



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



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.

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.



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 Ncm and speed of 30 rpm, clockwise.

## e-IFU – Electronic Instructions For Use

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

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

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



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

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

**2** Enter in the field search the article number.

**Search IFU**

Type the product or IFU

NEODENT

We found 1 valid IFUs for your search for:

**140.1064.\_\_\_\_**

em:

**NOM Implant**  
Valid for Brazil, Chile

**3**

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

**download** ▼

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

**5**

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

# Helix

## GM™ 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 Ncm.

Available with:

acqua®



### Drill Sequence for conventional surgery



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

\*Optional / Bone types I and II

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

\*Optional / Bone types III and IV

### Drill Sequence for guided surgery



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

\*Optional / Bone types I and II

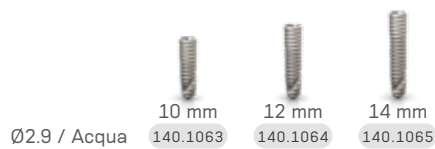
10 mm	✓*	✓*	✓	✓*						
12 mm	✓*	✓*	✓		✓*					
14 mm	✓*	✓*	✓			✓*				

\*Optional / Bone type III

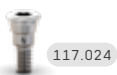
10 mm										
12 mm	✓*	✓*	✓							
14 mm	✓*	✓*	✓							

\*Optional / Bone type IV

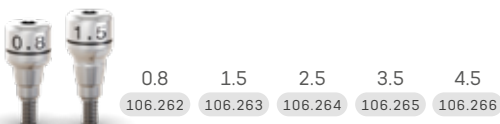
### Helix GM Narrow Implants



### NGM Cover Screw



### NGM Healing Abutment



# NGM Micro Abutment



Single-unit  
screw-retained  
prosthesis



Multiple-unit  
screw-retained  
prosthesis




Ø3.5 mm

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



Recommended for anterior region.


## Installation Sequence

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



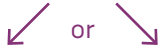
Intraoral



Micro  
Abutment  
Scanbody  
  
108.219



Micro Abutment  
Hybrid  
Repositionable  
Analog  
101.091




Neo Micro  
Conical  
Abutment One  
Step Hybrid  
Coping



  
118.381

GM Micro  
Abutment Coping  
for Crown Digital  
Workflow

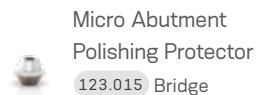


  
118.363

## Drivers



## Accessories

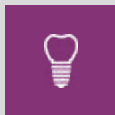


Micro Abutment  
Polishing Protector  
123.015 Bridge



Replacement  
Coping Screw  
116.269 Titanium

# NGM Universal Abutment



Single-unit  
cement-retained  
prosthesis



Ø3.3 mm

Cementable area: 4.0 or 6.0 mm;


Click retention for  
provisional copings;

Exact;

Neo Removable screw;




## Installation Sequence

 20 Ncm 1

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

 20 Ncm 1

NGM Exact Click  
Universal Abutment 17°

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



Intraoral



Universal Abutment  
Intraoral Scanbody

4 mm	6 mm	Ø3.3
108.143	108.144	





Universal abutment Hybrid  
Repositionable analog

4 mm	6 mm	Ø3.3
101.097	101.098	



Milled crown

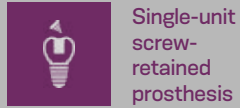
## Drivers

1  Neo  
Screwdriver  
Torque  
Connection +  Torque Wrench

## Accessories

 Replacement  
Sterile Screws  
116.294 Titanium

# NGM Titanium Base



Customizable up to 4 mm high;

Cementable area: 6.0 or 4.0 mm;

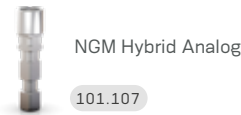
Exact;

Neo Removable screw;



## Installation Sequence

### Intraoral



NGM Exact Titanium Base for Crown Ø3.5

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

20 Ncm

## Drivers



## Accessories





# NGM Temporary Abutment



Single-unit screw-retained temporary prosthesis



Ø3.5

Implant level.

Channels of customizations;

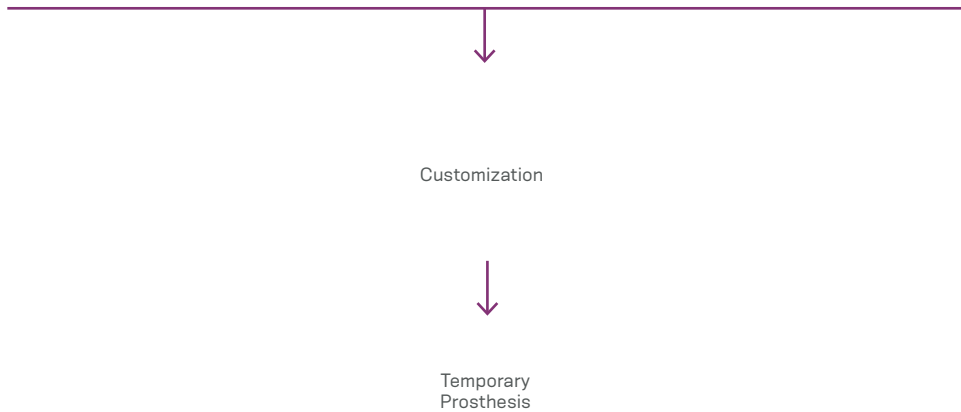
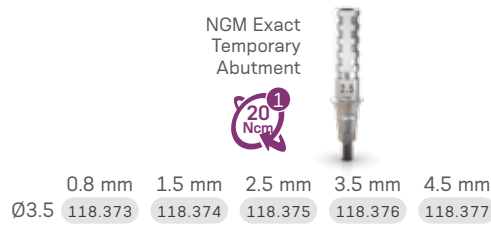
Retention portion height: 10 mm customizable up to 4 mm;

Exact.

Neo Removable screw;



## Installation Sequence



## Drivers



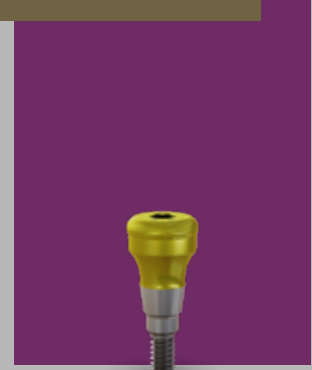
## Accessories



# NGM Attachment TIN

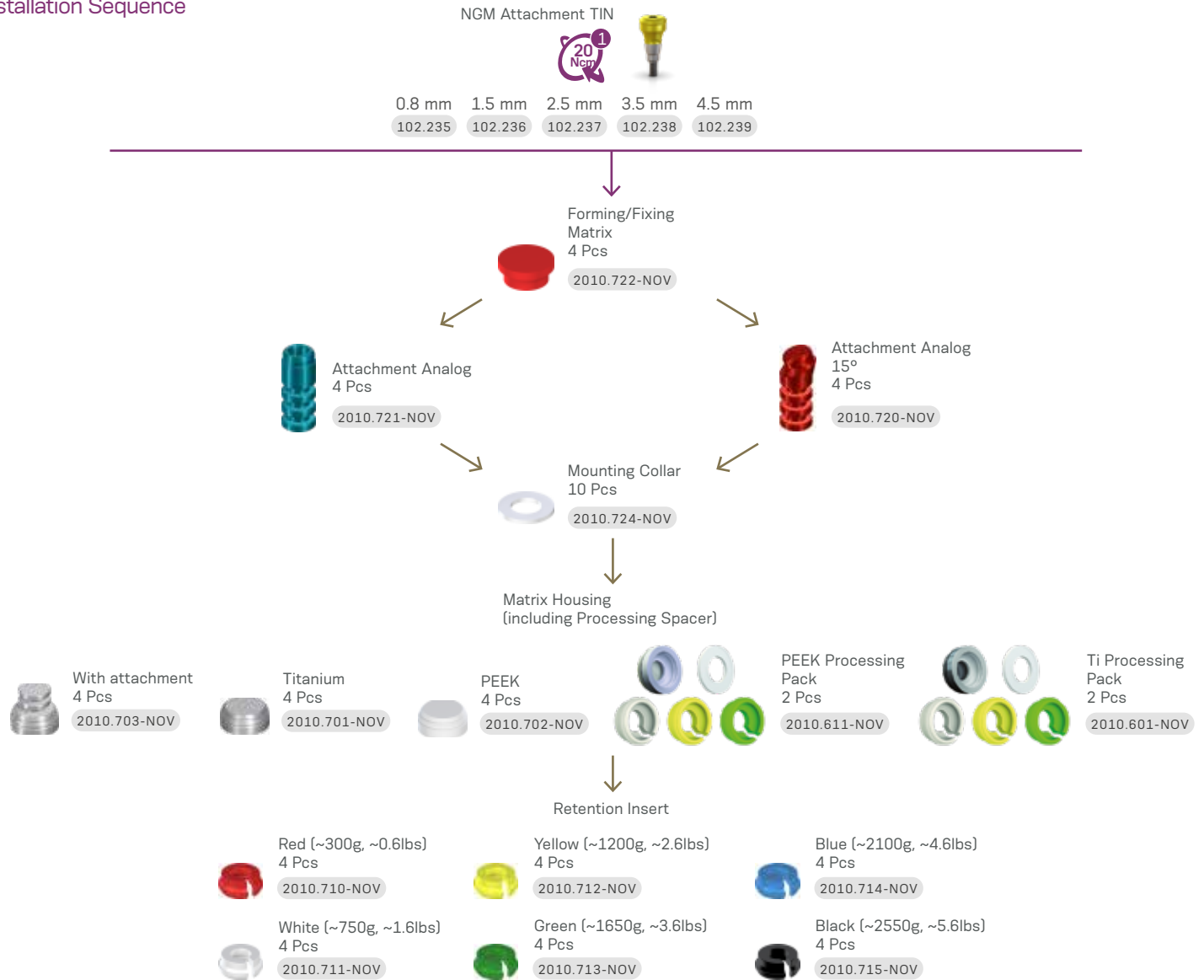


Overdenture

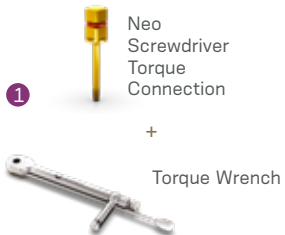


## Installation Sequence

130



## Drivers



## Accessories





# GM Narrow Kit

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# GM Narrow Surgical Kit

Autoclavable polymer case.

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



## Articles

110.315 Helix NGM Compact Surgical Kit Case

103.585 NGM Guided Surgery Mucosa Punch

103.586 NGM Initial Drill

103.667 NGM Guided Surgery Bone Levelling Drill

103.668 NGM Guided Surgery Initial Drill

103.669 NGM Drill 2.0x10 mm

103.670 NGM Drill 2.0x12 mm

103.671 NGM Drill 2.0x14 mm

103.672 NGM Drill 2.9x10 mm

103.673 NGM Drill 2.9x12 mm

103.674 NGM Drill 2.9x14 mm

103.675 NGM Countersink Drill

104.050 Torque Wrench

104.060 Neo Manual Screwdriver (Medium)

105.132 Neo Screwdriver Torque Connection

105.137 Hexagonal Prosthetic Driver

105.165 NGM Implant Driver For Contra-angle

105.166 NGM Implant Driver For Torque Wrench

128.036 NGM Height Measurer

129.035 Helix NGM X-ray Positioner

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

# GM Narrow Instruments

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### NGM Guided Surgery Mucosa Punch

103.585



### 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® Helix Short

## EXPLORE NEW LEVELS



### A SOLUTION FOR VERTICAL BONE ATROPHY

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



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

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

Features built into its design include:

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



4.0 mm

5.5 mm

7.0 mm

8.5 mm

136



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

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

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

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

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



\*For 4 mm and 5.5 mm implants cannot expect immediacy concept.



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

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

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



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



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

**FEATURING SOFT TISSUE MANAGEMENT AND FOR ESTHETIC OUTCOMES.**

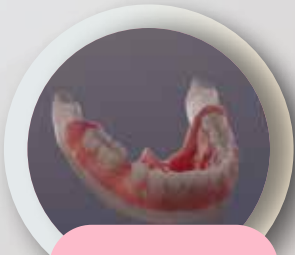


Anodized transmucosal collar: Mimics the natural color of soft tissues for positive outcomes even in aesthetic demanding cases.<sup>22</sup>

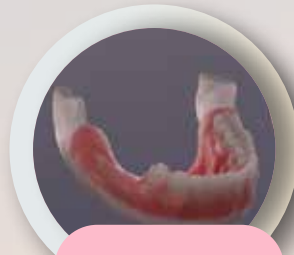


## VERSATILE PROSTHETIC RESOLUTIONS AND ANATOMICAL COMPATIBILITY

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



Single-unit\*



Multi-unit\*



Full-arch\*

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

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

138



Temporary Abutments



Titanium Base for Crown



Titanium Base for Bridge



Straight Mini Conical Abutment



Angled Mini Conical Abutment



Attachment TiN



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



Temporary



Multiple-unit screw-retained prosthesis



Overdenture

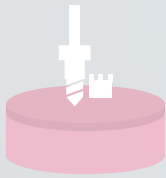
\*Implants with a length of 4 and 5.5 mm are contraindicated for single and overdenture rehabilitations, and they are contraindicated for total and multiple restorations when not associated with implants with lengths greater than or equal to 7 mm.

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

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

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





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

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



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

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



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

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



# Neodent® Helix Short Implant packaging and placement

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

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



## Instructions on opening the implant package



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

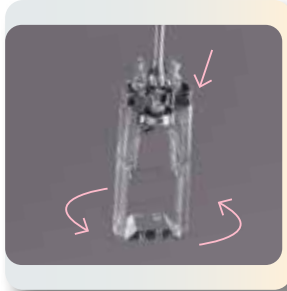


2. Hold the bottle using the non-dominant hand and take the lid off. The internal support containing the implant should come out attached to the lid. To do so, remove the lid and the clear tube's internal support in the axial direction making no lateral movements.



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.

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.



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



5. Take the implant to the surgical cavity.



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

## e-IFU – Electronic Instructions For Use

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

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

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



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

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

- 2** Enter in the field search the article number.

Search IFU

Type the product or IFU

NEODENT

We found 1 valid IFUs for your search for:

140.1064.\_\_\_\_

IFI:

NGM Implant  
Valid for Brazil, Chile

**3**

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

download ▼

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

**5**

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

# Helix Short

## PRODUCT CHARACTERISTICS:

Description of the implant:

- Body design for progressive stability;
- Tapered apex;
- Trapezoidal threads;
- Helix Short interface;

Indications:

The Neodent Implant System is recommended for surgical procedures on maxilla or mandible bones. It provides support for prosthetic components such as artificial teeth, thus restoring the chewing function.

- 6.0 and 7.0 mm diameter implants are indicated for type IV bones.
- 6 and 7 mm diameter, 7 and 8.5 mm length implants in type I/II bones are indicated for post-extraction only.

Osteotomy:

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

















Available in:






## Drill Sequence

	 Twist Ø2.0 103.621	 Tapered Ø2.7 103.597	 Tapered Ø3.75 103.607	 Tapered Ø3.75+ 103.608	 Tapered Ø4.0 103.598	 Tapered Ø4.0+ 103.599	 Tapered Ø5.0 103.600	 Tapered Ø5.0+ 103.601	 Tapered Ø6.0 103.602	 Tapered Ø6.0+ 103.603	 Tapered Ø7.0 103.604	 Tapered Ø7.0+ 103.605	 Bone Profile 103.606
Ø3.75 mm	✓ *	✓	✓	✓									✓ *
Ø4.0 mm	✓ *	✓	✓ *		✓	✓							✓ *
Ø5.0 mm	✓ *	✓	✓ *		✓		✓	✓					✓ *
Ø6.0 mm	✓ *	✓	✓ *		✓		✓		✓	✓			
Ø7.0 mm	✓ *	✓	✓ *		✓		✓		✓		✓	✓	


\*Optional/Bone types I and II 





Ø3.75 mm	✓ *	✓	✓										
Ø4.0 mm	✓ *	✓	✓ *		✓								
Ø5.0 mm	✓ *	✓	✓ *		✓		✓						
Ø6.0 mm	✓ *	✓	✓ *		✓		✓		✓				
Ø7.0 mm	✓ *	✓	✓ *		✓		✓		✓		✓		

\*Optional/Bone types III and IV 

## Helix Short GM® Implants

	4.0 mm	5.5 mm	7.0 mm	8.5 mm
Ø3.75	 Acqua 140.1082	 Acqua 140.1083	 Acqua 140.1084	 Acqua 140.1085
Ø5.0	 Acqua 140.1070	 Acqua 140.1071	 Acqua 140.1072	 Acqua 140.1073

	4.0 mm	5.5 mm	7.0 mm	8.5 mm
Ø4.0	 Acqua 140.1066	 Acqua 140.1067	 Acqua 140.1068	 Acqua 140.1069
Ø6.0	 Acqua 140.1074	 Acqua 140.1075	 Acqua 140.1076	 Acqua 140.1077

	4.0 mm	5.5 mm	7.0 mm	8.5 mm
Ø7.0	 Acqua 140.1078	 Acqua 140.1079	 Acqua 140.1080	 Acqua 140.1081

## HS Cover Screw



117.025

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

## HS Healing Abutments



106.270 1.5 / 2.5

106.273 1.5 / 2.5 / 3.5 / 4.5 / 5.5

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

# HS Mini Conical Abutment



Multiple-unit screw-retained prosthesis (bridge)



Ø4.8 mm

Allow an additional 1.5 to 2.0 mm of restorative material;

Minimum interocclusal space of 4.5 mm from the mucosa level;



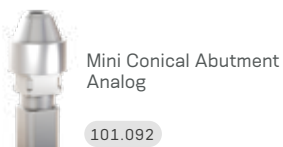
Exact;

Neo Removable Screw.

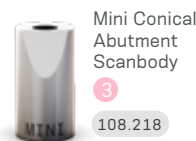
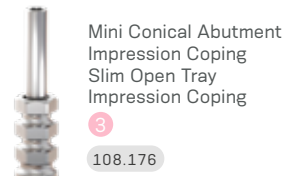
## Installation Sequence

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

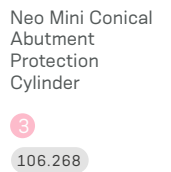
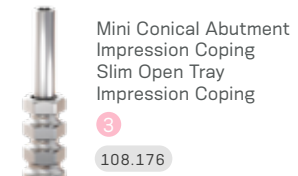
### Intraoral



### Model Scanning

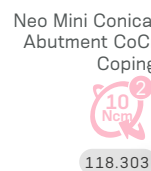


### Conventional



Mini Conical Abutment Analog

101.092 Hybrid Repositionable (conventional/digital)  
101.020 Conventional

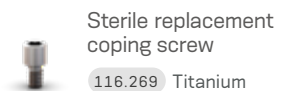


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## Drivers



## Accessories



# HS Exact Titanium Base

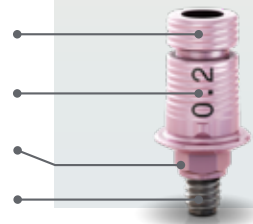
Single-unit screw-retained prosthesis (crown)

Single-unit cement-retained prosthesis (crown)



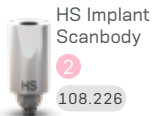
Ø4.5 mm

- Customizable up to 4 mm high;
- Cementable Height: 4.0 and 6.0 mm;
- Exact;
- Neo Removable Screw.

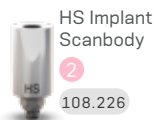
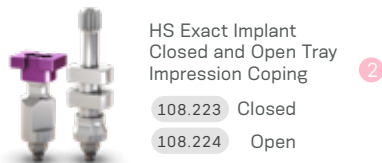


## Installation Sequence

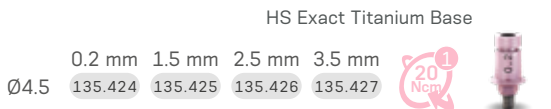
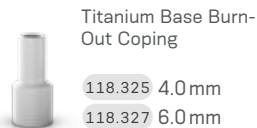
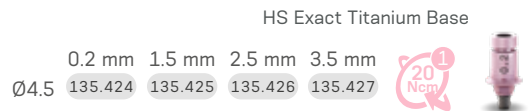
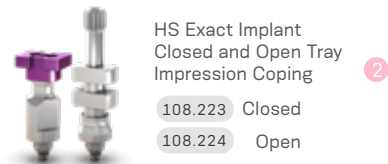
### Intraoral



### Model Scanning



### Conventional

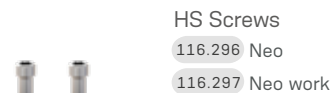


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## Drivers



## Accessories



# HS Titanium Base for Bridge



Multi-unit screw-retained prosthesis



Multi-unit cement-retained prosthesis

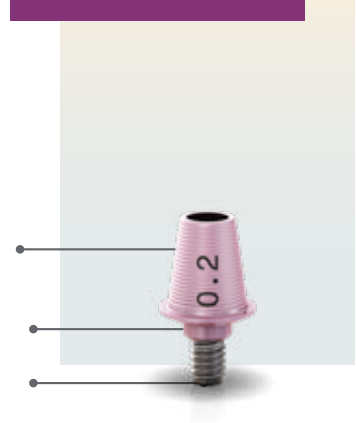


Ø4.8 mm

Cementable Area: 4.5mm;

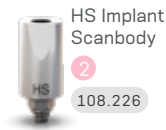
With internal threads for a secure engagement of the screw;

Neo Removable Screw.

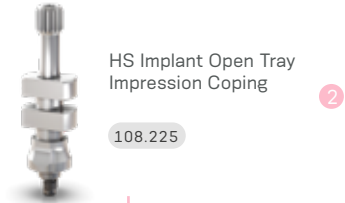


## Installation Sequence

### Intraoral



### Model Scanning



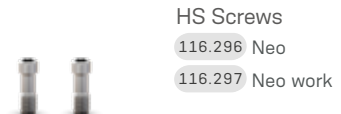
### HS Titanium Base for Bridge

Ø4.5	0.2 mm	1.5 mm	2.5 mm	3.5 mm	
	135.428	135.429	135.430	135.431	

## Drivers



## Accessories



# HS Titanium Temporary Abutment

Consider a further 1.5 to 2.0 mm of restorative material;



Temporary single-unit screw-retained prosthesis



Temporary multi-unit cement-retained prosthesis



Customizable area in titanium.

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

With retention slots for acrylic material, allowing customization.

Ø4.8 mm

Channels of personalization;

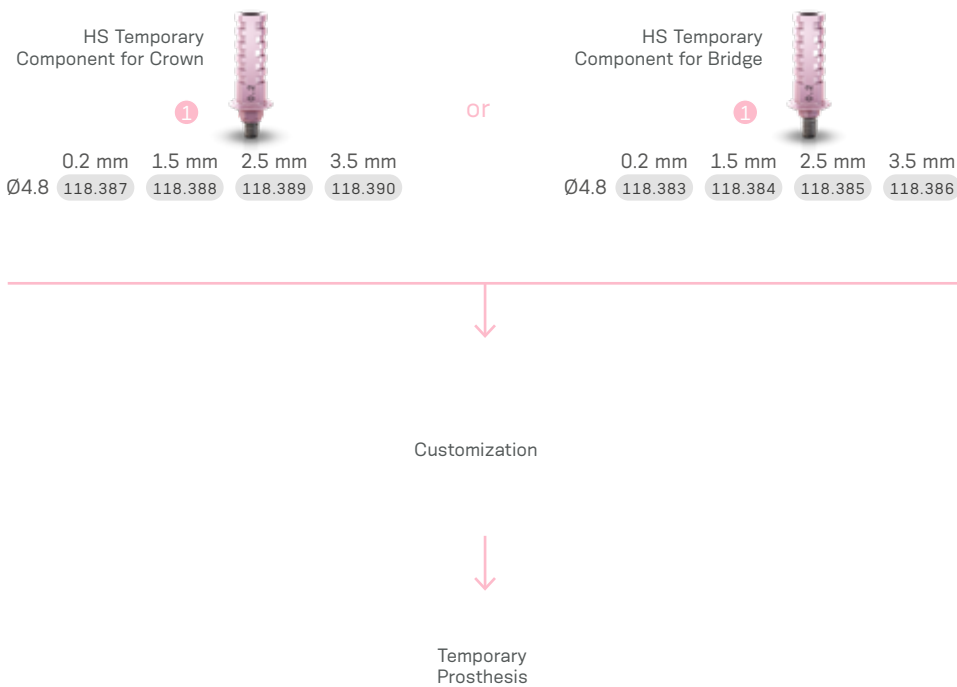
Interocclusal height of 10 mm (customizable by up to 4.0 mm);

Exact;

Removable screw.



## Installation Sequence



## Drivers



## Accessories



HS Screws  
 116.296 Neo  
 116.297 Neo work

# HS TIN Attachment

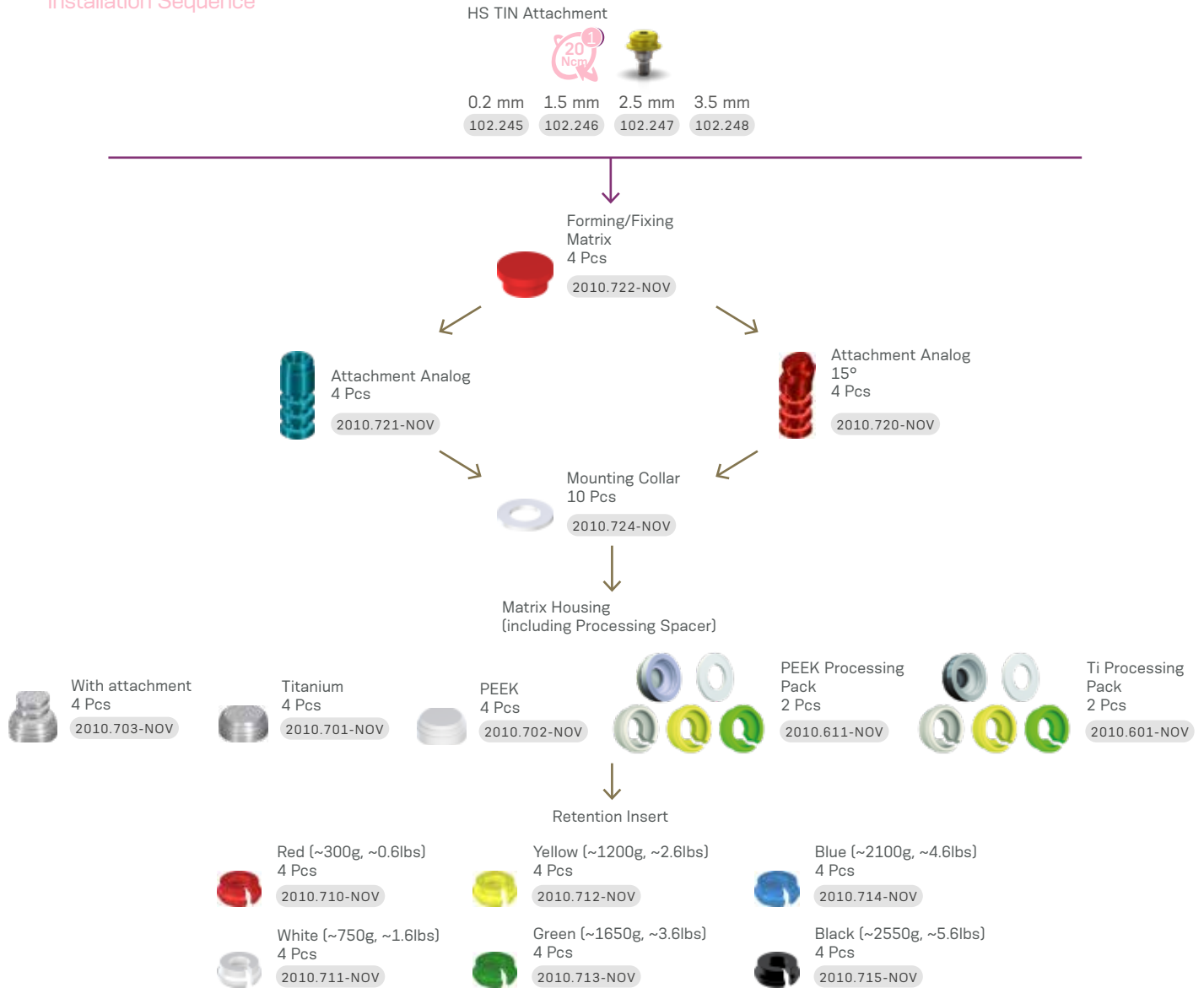


Overdenture

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

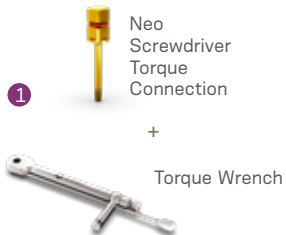


## Installation Sequence



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## Drivers



## Accessories









# Helix

## Short Kit

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# Surgical Kit Helix Short

Autoclavable polymer case.

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



## Articles

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

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

# Instruments

## Helix Short

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### Twist Drill

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

103.621

### Tapered Drill

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



Ø2.7	103.597	Ø5.0+	103.601
Ø3.75	103.607	Ø6.0	103.602
Ø3.75+	103.608	Ø6.0+	103.603
Ø4.0	103.598	Ø7.0	103.604
Ø4.0+	103.599	Ø7.0+	103.605
Ø5.0	103.600		

### HS Bone Profile Drill.

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



103.606

### Drill Extender

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



103.426

### Physical Stops for Helix Short Drills

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

125.181	Physical Stop 4.0 for drills Ø2.0 / 2.7 / 3.75 / 4.0
125.182	Physical Stop 5.5 for drills Ø2.0 / 2.7 / 3.75 / 4.0
125.183	Physical Stop 7.0 for drills Ø2.0 / 2.7 / 3.75 / 4.0
125.184	Physical Stop 8.5 for drills Ø2.0 / 2.7 / 3.75 / 4.0
125.185	Physical Stop 4.0 for drill Ø5.0
125.186	Physical Stop 5.5 for drill Ø5.0
125.187	Physical Stop 7.0 for drill Ø5.0
125.188	Physical Stop 8.5 for drill Ø5.0
125.189	Physical Stop 4.0 for drill Ø6.0 / 7.0
125.190	Physical Stop 5.5 for drill Ø6.0 / 7.0
125.191	Physical Stop 7.0 for drill Ø6.0 / 7.0
125.192	Physical Stop 8.5 for drill Ø6.0 / 7.0



### HS Direction Indicator / X-Ray Positioner

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



128.039

### HS Angle Measurer 17°

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



128.037

### HS Height Measurer

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



128.038

### Neo Screwdriver Torque Connection

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



104.060 Neo Manual Screwdriver (medium)

105.132 Neo Screwdriver Torque Connection (medium) – Ratchet

### Hexagonal Prosthetic Driver

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



105.137 torque wrench

### Support for Helix Short Physical Stops Kit

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



110.319

### Torque Wrench



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

104.050

### HS Implant Driver for Torque Wrench



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

105.154 Short

105.155 Regular

### HS Implant Driver for Contra-Angle



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

105.153



# Orthodontic Anchorage

## PRODUCT FEATURES:

- Available in Titanium alloy as per ASTM-F136 (V);
- Self-perforating;
- Collar height;
- - Low: 0 mm;
- - Medium: 1 mm.
- Hole diameter: 0.7 mm;
- Hex diameter: 2.7mm.

### Indications:

- Implants for orthodontic movement.

### Drilling features:

- Drilling speed: 200 rpm;
- Placement speed: 30 rpm;
- Torque resistance of up to 10 Ncm (Ø1.3 mm) and 20 Ncm (Ø1.6 mm).





	Low Collar				Medium Collar			
	5 mm	7 mm	9 mm	11 mm	5 mm	7 mm	9 mm	11 mm
Ø1.3								
		109.484	109.485	109.486		109.487	109.488	109.489
Ø1.6								
	109.701	109.493	109.494	109.495	109.702	109.496	109.497	109.498



Orthodontic Anchorage Implant Package.



Remove the cap to access the implant.



Implant capture with Orthodontic Anchorage Contra-Angle Connection.



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



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



Implant placed.

## Instruments

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

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

# Bone Grafting

## PRODUCT FEATURES:

- Available in Titanium;
- Self-perforating.

### Indications:

- Fixation of bone block graft.

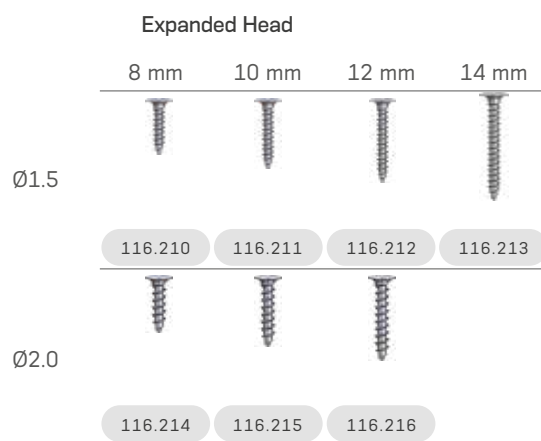
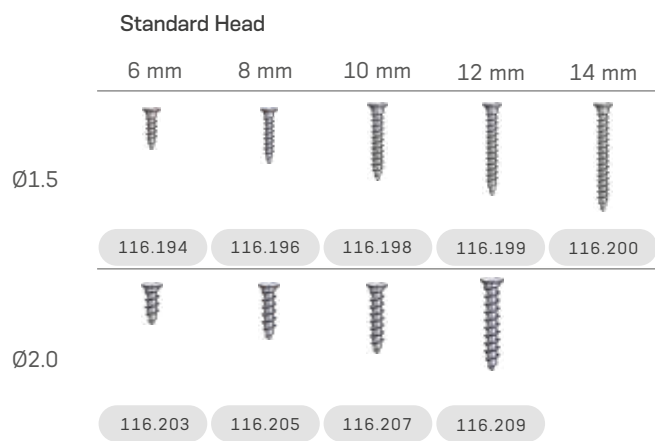
### Drilling features:

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



Ø1.5 mm	Ø3.70 mm	Ø2.5 mm
Ø2.0 mm	Ø3.85 mm	Ø3.0 mm





# Bone Grafting and Orthodontic Anchorage Kit

Autoclavable polymer case.

The Kit features three compositions:

- Complete.
- Bone Grafting.
- Anchorage.



## Articles

110.263	Bone Grafting and Orthodontic Anchorage Kit Case	● ● ●
104.018	Bone Grafting Manual Driver	● ●
105.063	Philips Connection for Manual Driver	● ●
105.023	Philips Connection for Contra-Angle	● ●
103.045	Drill 1.6 for Contra-Angle	● ●
103.079	Drill 1.3 for Contra-Angle	● ● ●
103.044	Drill 1.1 for Contra-Angle	● ● ●
103.043	Drill 1.6 for Straight Piece	● ●

103.078	Drill 1.3 for Straight Piece	● ● ●
103.042	Drill 1.1 for Straight Piece	● ● ●
103.071	Punch for Bone Grafting/Orthodontic Anchorage	● ●
104.033	Orthodontic Anchorage Implant Driver	● ●
105.039	Anchorage Implant Driver Contra-Angle Connection - Long	● ●
105.040	Anchorage Implant Driver Contra-Angle Connection - Short	● ●
105.025	Torque Wrench Adaptor for Contra-Angle Connections	● ●

Note: Items that compose Neodent Kits are sold separately.

Instruments



Drills for Orthodontic Anchorage

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

Ø1.1	Ø1.3	Ø1.6	
103.042	103.078	103.043	Straight Piece
103.044	103.079	103.045	Contra-Angle



Orthodontic Anchorage Implant Driver

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



104.033

160



Punch for Bone Grafting/Orthodontic Anchorage

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

103.071



Bone Grafting Manual Driver

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

104.018



Orthodontic Anchorage Adaptor Connections

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

Short	Long	Wrench
105.040	105.039	105.025



Philips Driver

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

Manual Driver	Contra-Angle
105.063	105.023



Neodent®  
Biomaterials

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# Everything you need for GBR

Neodent offers a wide assortment of biomaterials including bovine bone, allograft, and collagen barriers. Created to regenerate hard tissues in a predictable and reliable way, this range of flexible solutions is designed to provide patients with the functional and aesthetic results they seek, elevating their overall experience.

## ► Neodent AlloGraft granules

### AlloGraft Mineralized Cortical



	Granule size	Content
NAMND070206	250-710 µm	0.5 cc
NAMND070207	250-710 µm	1.0 cc
NAMND070208	250-710 µm	2.0 cc
NAMND070218	250-1000 µm	0.25 cc
NAMND070219	250-1000 µm	0.5 cc
NAMND070220	250-1000 µm	1.0 cc
NAMND070221	250-1000 µm	2.0 cc
NAMND070230	250-1000 µm	2.5 cc

### AlloGraft Mineralized Cancellous



	Granule size	Content
NAMND070229	250-1000 µm	0.25 cc
NAMND070212	250-1000 µm	0.5 cc
NAMND070213	250-1000 µm	1.0 cc
NAMND070214	250-1000 µm	2.0 cc
NAMND070231	250-1000 µm	2.5 cc

### AlloGraft Mineralized Cortical Cancellous Mix



	Granule size	Content
NAMND070226	250-1000 µm	0.5 cc
NAMND070227	250-1000 µm	1.0 cc
NAMND070228	250-1000 µm	2.0 cc
NAMND070232	250-1000 µm	2.5 cc

## ► Neodent Membrane Flex™



	Description
NAMND070.008	15 × 20 mm Neodent® Membrane Flex™
NAMND070.009	20 × 30 mm Neodent® Membrane Flex™
NAMND070.010	30 × 40 mm Neodent® Membrane Flex™



# eShop

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