



Product Catalog **2026**



Smile through life.



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

NEODENT. ALL
NEOARCH IN

SCALE YOUR FULL ARCH GAME



NEODENT. ALL
GP IN

SCALE YOUR IMPLANT BUSINESS



SUMMARY



Grand Morse®

GREATNESS IS AN ACHIEVEMENT



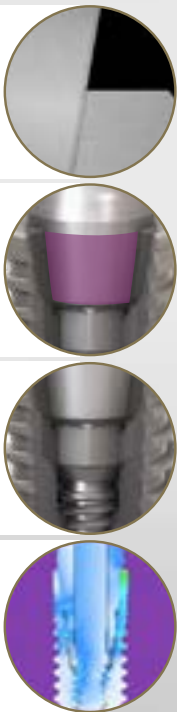
GRAND RELIABILITY

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⁽⁵⁻⁹⁾.
- 2 16° Morse Taper Connection**
Designed to ensure tight fit for an optimal connection sealing.
- 3 Internal Indexation**
Precise abutment positioning, protection against rotation and easy handling.
- 4 Deep Connection**
Allowing a large contact area between the abutment and the implant for an optimal load distribution.



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



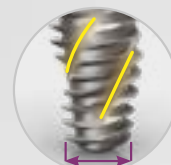
Hybrid contour

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



Active apex

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



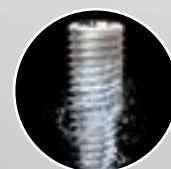
Dynamic progressive thread design

- 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®

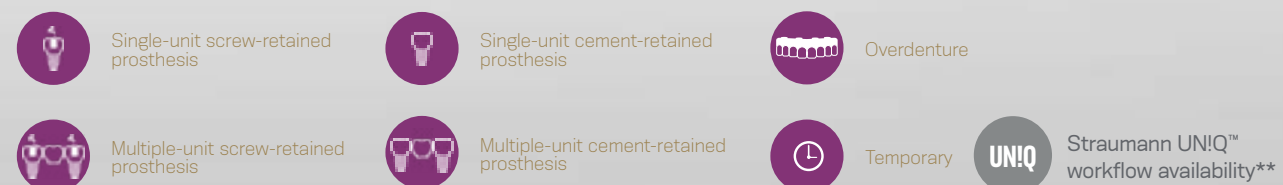
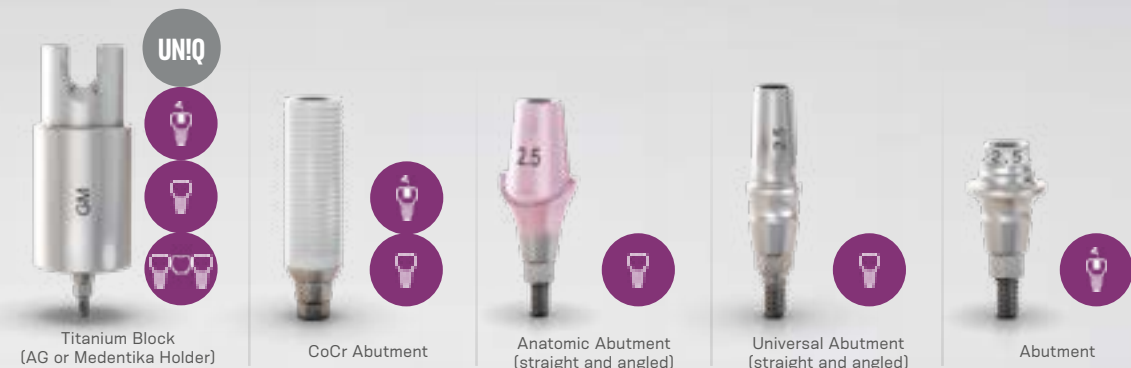
High primary stability in challenging
bone types.
Bone types III & IV.



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.



*TiN - Titanium nitride

**Check availability in your region.



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



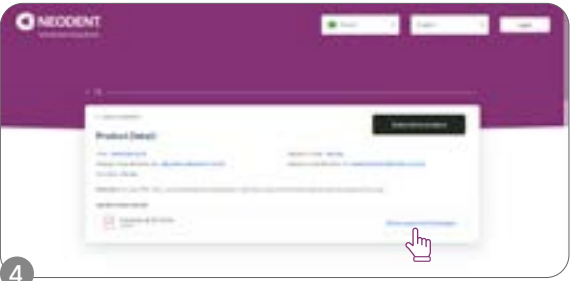
1 To access the IFU website, enter the address above in your browser.



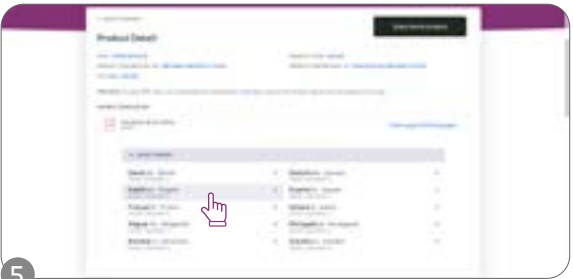
2 Select the country.



3 Enter the article number in the search field.



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



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6 Confirm and access the IFU.



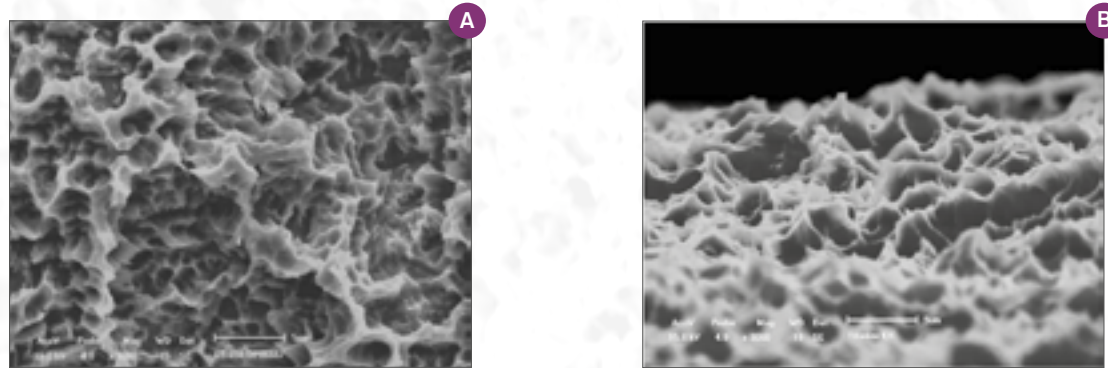
NeoPoros

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 automated time, speed, pressure and particle size control.

Several scientific studies continue to be performed so that the **NeoPoros** surface may be always evolving.



Controlled roughness on all implant surface. Scanning electron microscopy (A) shows macro (15-30µm) and (B) microtopography (0.3 - 1.3µm).

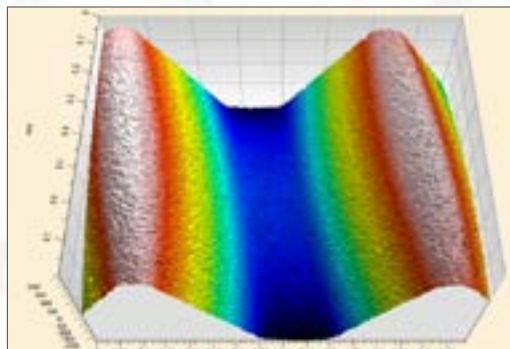


Image taken by confocal microscopy.
Roughness and Microtopography.
(Sa= 0.3 – 1.3 µm; Sz= 6.0 - 15.5 µm).

acqua®

ACQUA Hydrophilic Surface
designed for high treatment
predictability.

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

Hydrophilicity

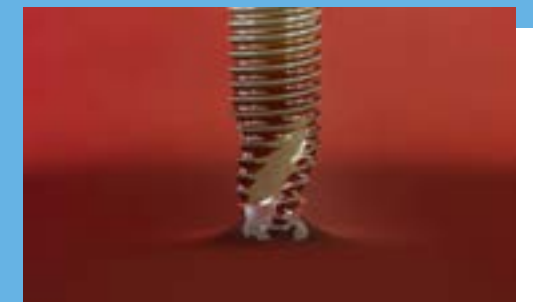
The hydrophilic surface presents a smaller contact angle when in contact with hydrophilic liquids. This provides greater accessibility of organic fluids to ACQUA implant surface versus NeoPoros.^[2]

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.

Applications:

- 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[®]

*For immediate load application the primary stability must be at least 35 N.cm and the patient must present with physiological occlusion.

**The GM Helix Implant in diameters 6.0 and 7.0 is an exception, being indicated for bone type III or IV. The GM Helix Implant in diameters 6.0 and 7.0 is contraindicated for healed bone bed with I/II quality.



Drill Sequence

	Initial	Ø2.0	Ø3.5	Ø3.5+	Ø3.5	Ø3.75	Ø3.75+	Ø3.75	Ø4.0	Ø4.0+	Ø4.0	Ø4.3	Ø4.3+	Ø4.3	Ø5.0	Ø5.0+	Ø5.0	Ø6.0	Ø7.0
	103.170	103.425	103.561	103.578	103.513	103.564	103.579	103.514	103.567	103.580	103.515	103.570	103.581	103.516	103.573	103.582	103.517	103.576	103.577
Ø3.5	✓*	✓		✓		✓^													
Ø3.75	✓*	✓	✓				✓	✓^											
Ø4.0	✓*	✓	✓			✓				✓	✓^								
Ø4.3	✓*	✓	✓			✓				✓		✓	✓^						
Ø5.0	✓*	✓	✓			✓			✓*			✓				✓	✓^		

*Recommended sequence except for implants with 8mm in length *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

	Initial	Ø2.0	Ø3.5	Ø3.5+	Ø3.5	Ø3.75	Ø3.75+	Ø3.75	Ø4.0	Ø4.0+	Ø4.0	Ø4.3	Ø4.3+	Ø4.3	Ø5.0	Ø5.0+	Ø5.0	Ø6.0	Ø7.0
	103.170	103.492	103.493	103.500	103.513	103.494	103.501	103.514	103.495	103.502	103.515	103.496	103.503	103.516	103.497	103.504	103.517	103.498	103.499
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	✓*	✓	✓									✓			✓		✓	✓*	✓*

*Recommended sequence except for implants with 8mm in length *Optional / Bone types I and II

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	GM Cover Screw
8.0	140.953	109.953	8.0	140.1009	109.1009	8.0	140.1059	109.1059	0 mm 2 mm
10.0	140.954	109.954	10.0	140.1010	109.1010	10.0	140.1060	109.1060	117.021 117.022
11.5	140.955	109.955	11.5	140.1011	109.1011	11.5	140.1061	109.1061	
13.0	140.956	109.956	13.0	140.1012	109.1012	13.0	140.1062	109.1062	
16.0	140.957	109.957							
18.0	140.990	109.990							

**The GM Helix Implant in diameters 6.0 and 7.0 is an exception, being indicated for bone type III or IV. The GM Helix Implant in diameters 6.0 and 7.0 is contraindicated for healed bone bed with I/II quality.

**The GM Helix Implant in diameters 6.0 and 7.0 is an exception, being indicated for bone type III or IV. The GM Helix Implant in diameters 6.0 and 7.0 is contraindicated for healed bone bed with I/II quality.

:: 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.

Applications:

- 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:



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 mm	✓	✓	✓	✓ *				
Ø4.3 mm	✓	✓	✓		✓	✓ *		
Ø5.0 mm	✓	✓	✓		✓		✓	✓ *

*Optional Bone types III and IV 

Drive GM Implants

		8.0 mm	10.0 mm	11.5 mm	13.0 mm	16.0 mm	18.0 mm
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 Customizable Healing Abutments

	Profile	1.5 mm	2.5 mm	3.5 mm	4.5 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.

Titamax GM

PRODUCT FEATURES:

Implants Description:

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

Applications:

- 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.

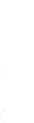


Available with:

NeoPoros or acqua®



Drill Sequence

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

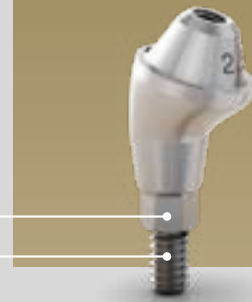


GM Mini Conical Abutment

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

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

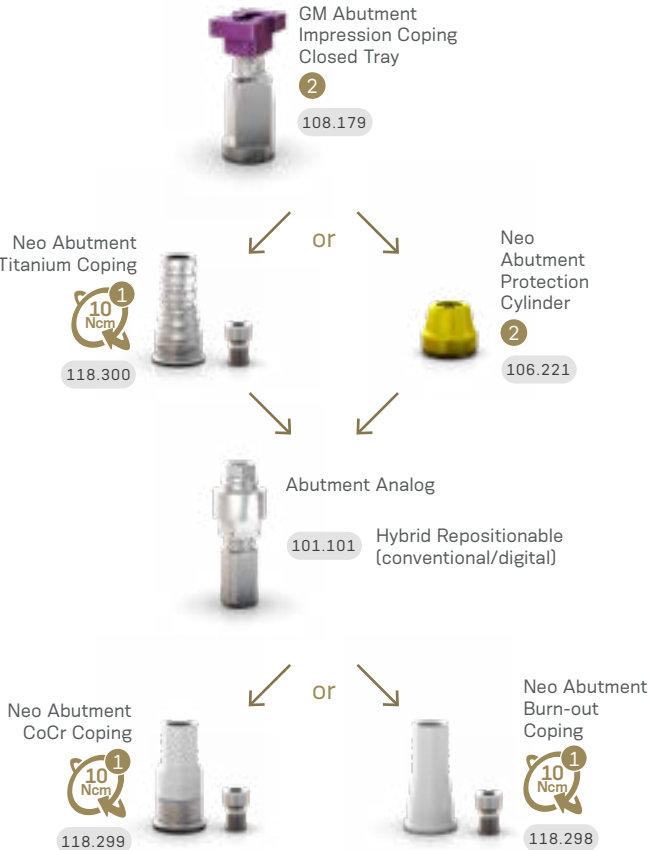
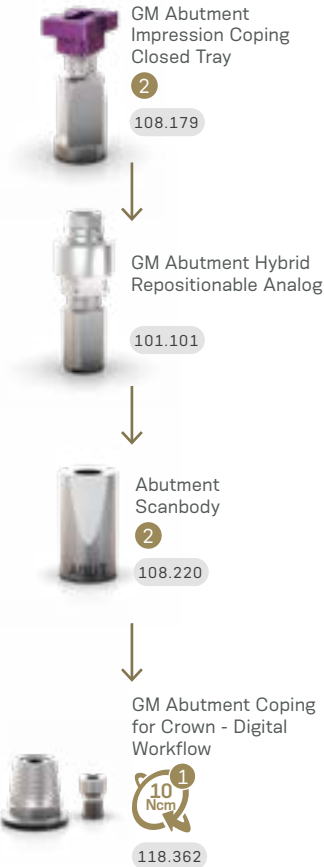


Intraoral

Model Scanning

Conventional

18



Drivers



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

Accessories



Installation Sequence

32 Ncm	1	GM Mini Conical Abutment		20 Ncm	2	GM Exact Mini Conical Abutment 17°/30°
0.8 mm	1.5 mm	2.5 mm	or	1.5 mm	2.5 mm	3.5 mm
115.243	115.244	115.245		17°	115.275	115.276 115.277
3.5 mm	4.5 mm	5.5 mm		30°	115.278	115.279 115.280
115.246	115.247	115.248				



Intraoral

Model Scanning

Conventional

19



Download the DirectFit Screw DME File: straumann.us/connectivity.

Drivers



Accessories



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

GM Micro Abutment



Single-unit screw-retained prosthesis



Multiple-unit screw-retained prosthesis



Ø3.5 mm

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



Recommended for limited spaces and narrow inter-dental spaces.

GM Anatomic Abutment



Single-unit cement-retained prosthesis

Recommended for anterior region.

Gingiva color for esthetic outcomes

Click retention for provisional copings

With internal threads for a secure engagement of the screw

Exact

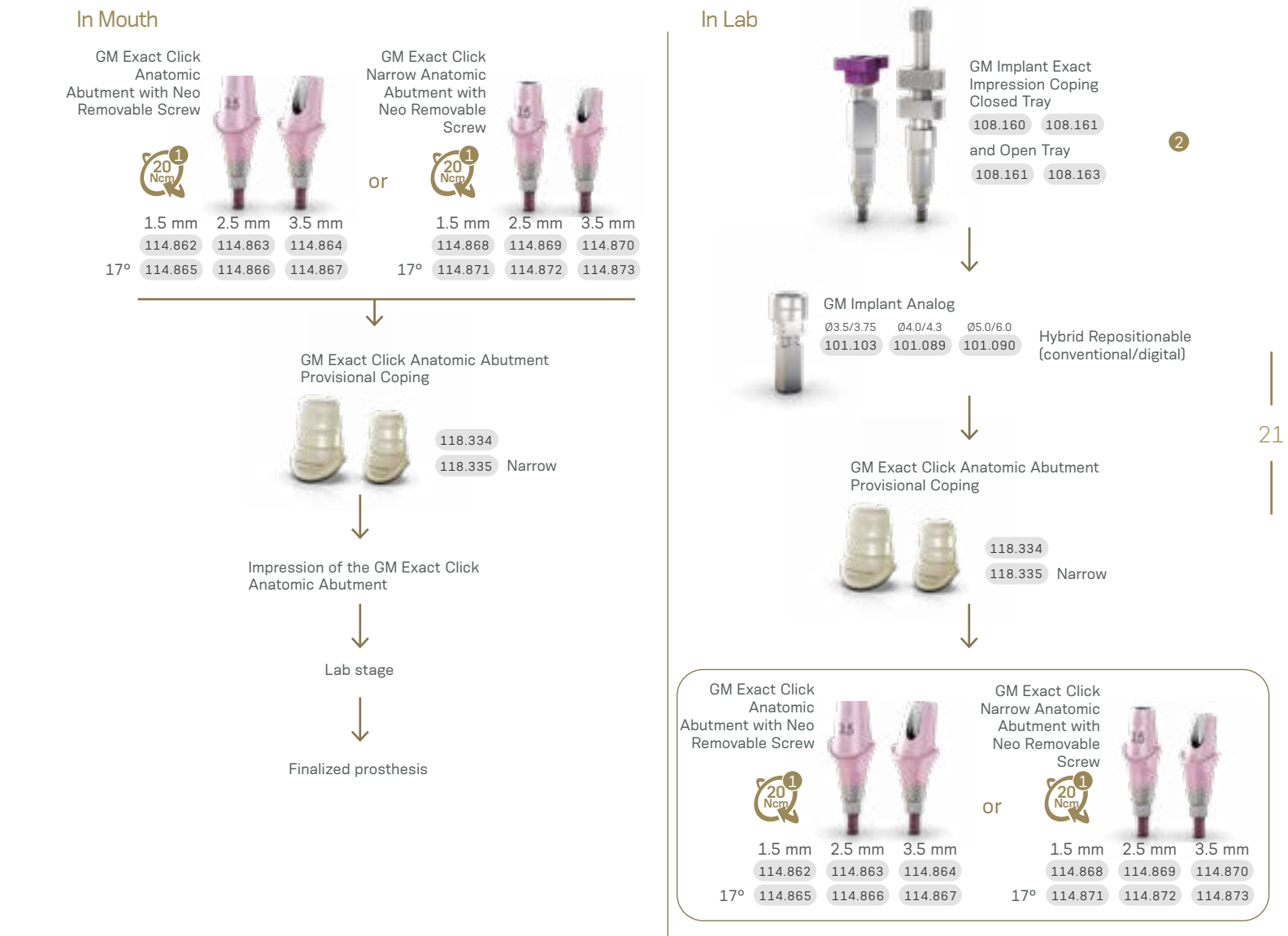
Neo Removable Screw



Installation Sequence



Installation Sequence



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

Neotorque*
116.270

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 3.5-5.5 GH

GM Universal Abutment



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



GM Exact Click
Universal Abutment with
Removable Screw

20 Ncm

	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
4 mm Ø3.3	114.826	114.827	114.828	114.829	114.830	114.831
4 mm Ø4.5	114.838	114.839	114.840	114.841	114.842	114.843
6 mm Ø3.3	114.832	114.833	114.834	114.835	114.836	114.837
6 mm Ø4.5	114.844	114.845	114.846	114.847	114.848	114.849

or



GM Exact Click
Universal Abutment 17°
with Removable Screw

20 Ncm

	1.5 mm	2.5 mm	3.5 mm
4 mm Ø3.3	114.802	114.803	114.804
4 mm Ø4.5	114.808	114.809	114.810
6 mm Ø3.3	114.805	114.806	114.807
6 mm Ø4.5	114.811	114.812	114.813

or



GM Exact Click
Universal Abutment 30°
with Removable Screw

20 Ncm

	1.5 mm	2.5 mm	3.5 mm
4 mm Ø3.3	114.814	114.815	114.816
4 mm Ø4.5	114.820	114.821	114.822
6 mm Ø3.3	114.817	114.818	114.819
6 mm Ø4.5	114.823	114.824	114.825

Intraoral

Conventional

Universal Abutment Intraoral Scanbody

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

Universal abutment Hybrid Repositionable analog

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

Milled crown

Click Universal Abutment Impression Coping

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

Click Universal Abutment Provisional Coping

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

Universal Abutment Analog

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

Hybrid Repositionable (conventional/digital)

Universal Abutment Burn-out Coping

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

Drivers

1 Neo Screwdriver Torque Connection + Torque Wrench

Accessories

Replacement Abutment Screw

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

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



GM Titanium Base



Single-unit
screw-
retained
prosthesis



Single-unit
cement-
retained
prosthesis



Ø3.5/4.5/
5.5/6.5 mm

Customizable up to 4 mm high;

Cementable area: 6.0 or 4.0 mm;

With internal threads for a secure engagement of the screw

Exact;

Neo Removable screw;

Installation Sequence

Intraoral

GM Implant Intraoral Scanbody

2 108.207

GM Implant Analog

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

Hybrid Repositionable (conventional/digital)

GM Exact Titanium Base with Removable Screw 4mm

	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm
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 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

GM Implant Analog

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

Hybrid Repositionable (conventional/digital)

GM Implant Intraoral Scanbody

2 108.207

Conventional

GM Implant Exact Impression Coping Closed and Open Tray 2

Regular 108.160 108.162

Long 108.161 108.163

GM Implant Analog

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

Hybrid Repositionable (conventional/digital)

GM Exact Titanium Base with Removable Screw 4mm

	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm
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 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	

GM Titanium Base Burn-out Coping

	Ø3.5	Ø4.5	Ø5.5
118.322	118.322	118.325	118.329
118.323	118.323	118.327	118.342

Drivers

1 Neo Screwdriver Torque Connection + Torque Wrench

2 Neo Screwdriver Torque Connection + Manual Screwdriver Torque

Accessories

Replacement Abutment Screw

116.292 Neo GM Screw (Long)

GM Titanium Base for Bridge

Multiple-unit screw-retained prosthesis

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.



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;
Up to 15°

Exact



Installation Sequence

Intraoral

GM Implant Intraoral Scanbody
2
108.207



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



GM Titanium Base for Bridge
1
20 Ncm

	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

Model Scanning

GM Implant Exact Impression Coping Open Tray
2

Regular 108.158
Long 108.159



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



GM Implant Intraoral Scanbody
2
108.207



Intraoral

GM Implant Intraoral Scanbody
2
108.207



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



GM Titanium Base Angled Solution (AS)
4mm
1
20 Ncm

	0.8 mm	1.5 mm	2.5 mm
Ø4.0	135.327	135.328	135.329
Ø4.5	135.333	135.334	135.335
Ø5.5	135.339	135.340	135.341

OR

Model Scanning

GM Implant Exact Impression Coping Closed and Open Tray
2

Regular 108.160 108.162
Long 108.161 108.163



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



GM Implant Intraoral Scanbody
2
108.207



GM Titanium Base Angled Solution (AS)
6mm
1
20 Ncm

	0.8 mm	1.5 mm	2.5 mm
Ø4.0	135.330	135.331	135.332
Ø4.5	135.336	135.337	135.338
Ø5.5	135.342	135.343	135.344

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)



Drivers

1 Angled Solution Screwdriver for Torque Wrench

105.150 Short
105.151 Regular
105.152 Long

+

Torque Wrench

OR

Angled Solution Screwdriver for Contra-angle

105.147 Short
105.148 Regular
105.149 Long

+

Contra-angle

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

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

Ø4.65 mm

Cementable area: 4.7 mm;

With internal threads for a secure engagement of the screw;

Exact;

Neo Removable Screw.



GM Titanium Block for MEDENTiKA Holder

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

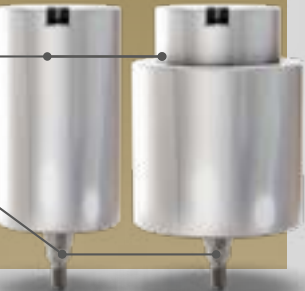
Multiple-unit cement-retained prosthesis

Ø11.5/
15.8 mm

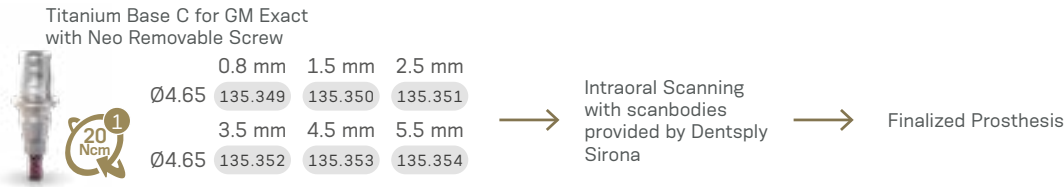
Screw sold separately.

Cementable area: 14.2 mm;

Exact.



Installation Sequence



Workflow

Step 1
Gingiva height selection and ordering.

Select the Titanium Base C for GM Exact gingival height.

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

Step 2
Intra-oral scanning.

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

Insert Scanbody on the Titanium Base or Scanbase for C.

Step 3
Design and milling.

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

Mill the digital design using a Sirona CEREC or inLab MC X or MC XL milling unit and inLab MC X5.

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.

GM Scanbase for C

	0.8	1.5	2.5
GH	108.228	108.229	108.230
	3.5	4.5	5.5
	108.231	108.232	108.233

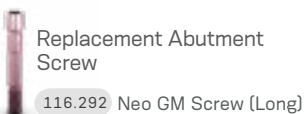
CEREC digital library compatibility

Library	Sirona's Products				Compatible with implant System	
	Scanbody	REF Scanbody Omnicam	REF Scanbody Bluecam / Ineos	Griding block	Implant manufacturer	Implant system
Ti-base						
NBB 3.4 L						
NB A 4.5 L						
SSO 3.5 L						
S BL 3.3 L						
S BL 4.1 L						
BO 3.4 L						

Drivers

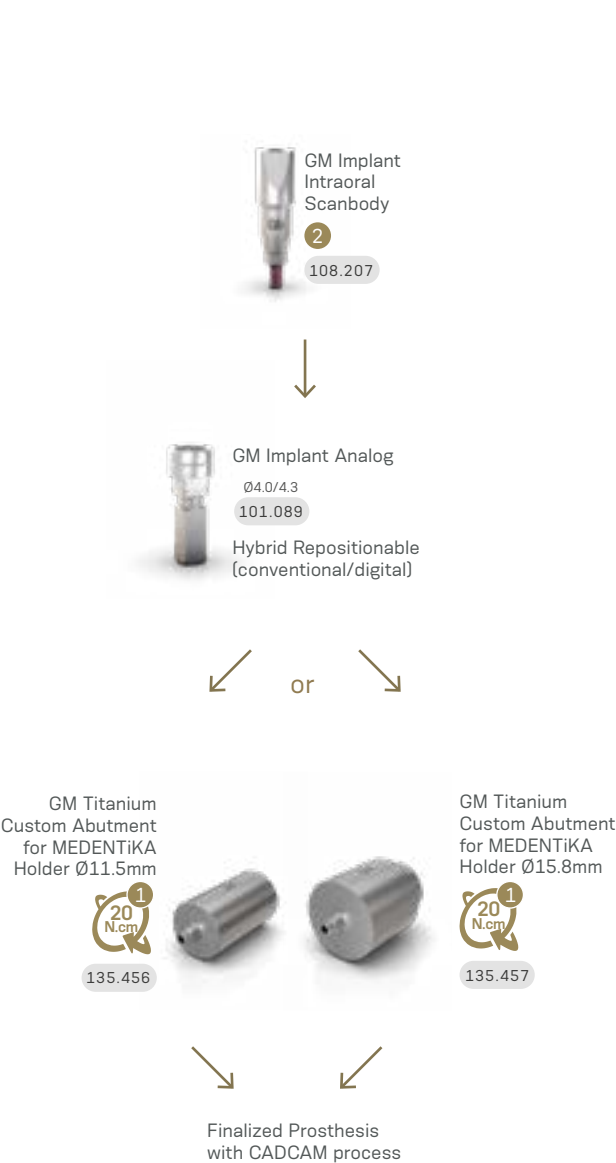


Accessories

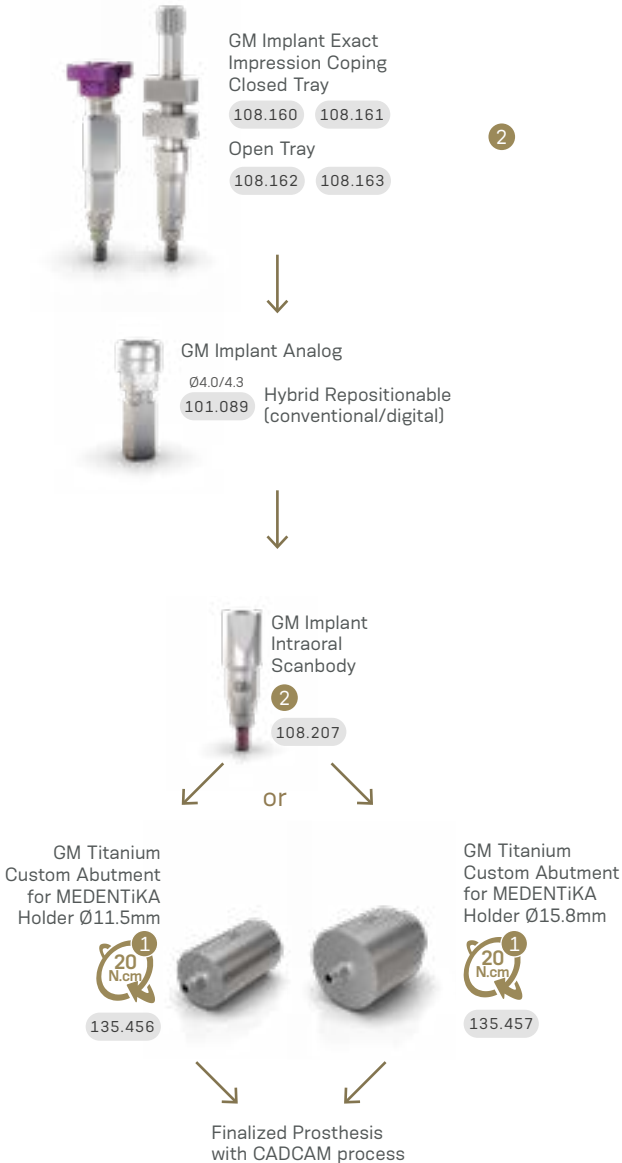


Installation Sequence

Complete Digital Workflow



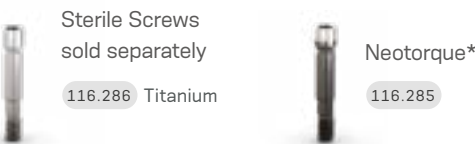
Semi Digital Workflow



Drivers



Accessories



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

GM Titanium Block for AG Holder

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

Multiple-unit cement-retained prosthesis

Ø12.0 mm

Screw sold separately.



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);

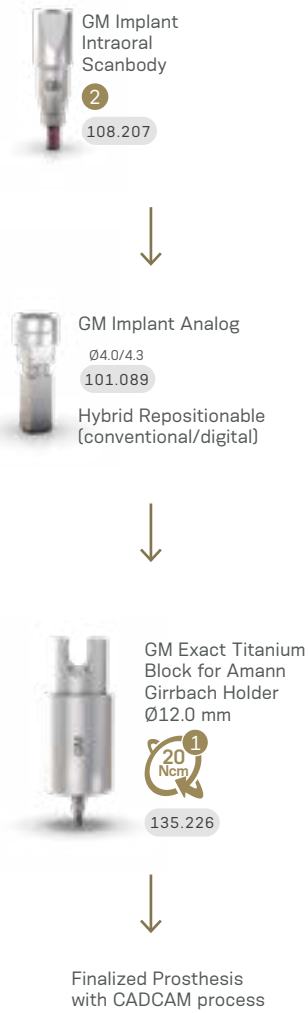


For implants placed at bone level.

Exact

Installation Sequence

Complete Digital Workflow



Drivers

1

Neo Screwdriver Torque Connection

+

Torque Wrench

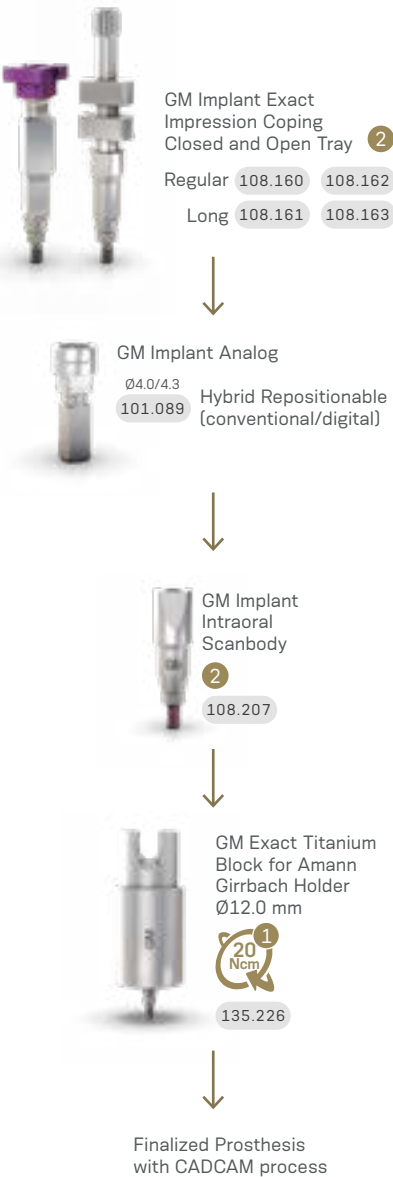
2

Neo Screwdriver Torque Connection

+

Manual Screwdriver Torque

Semi Digital Workflow



Accessories

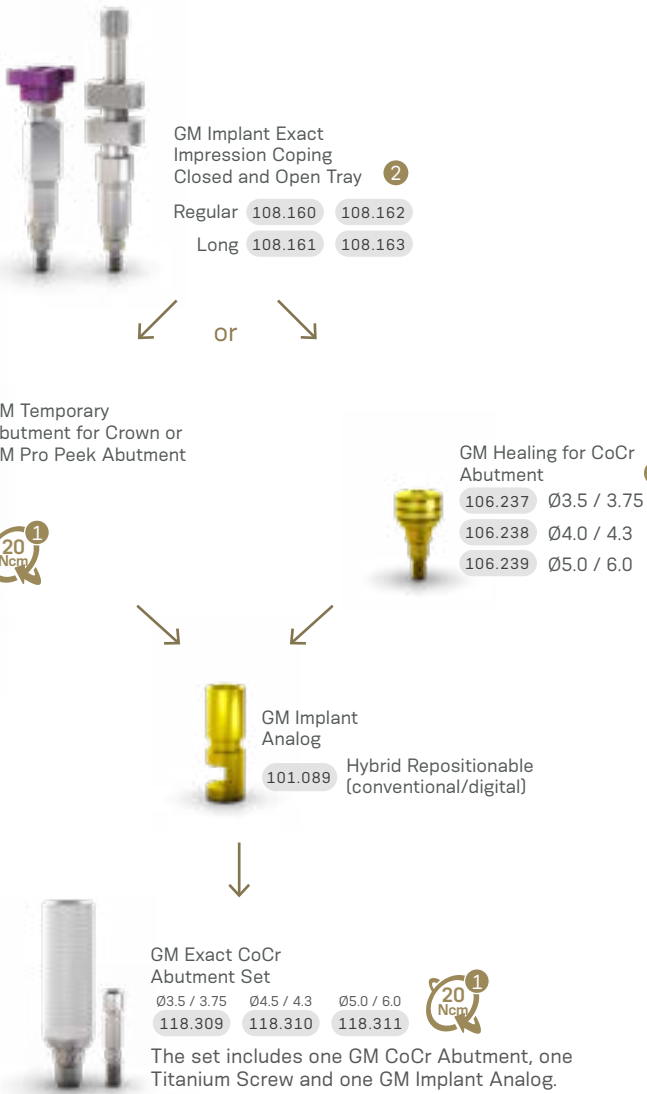
Sterile Screws sold separately

116.286 Titanium

Neotorque*

116.285

Installation Sequence



Drivers

1

Neo Screwdriver Torque Connection

+

Torque Wrench

2

Neo Screwdriver Torque Connection

+

Manual Screwdriver Torque

Accessories

Replacement Sterile Screws

116.286 Titanium

Neotorque*

116.285

GM Temporary Abutment



Single-unit screw-retained temporary prosthesis



Multiple-unit screw-retained temporary prosthesis



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

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



GM Pro Peek Abutment



Single-unit cement-retained temporary prosthesis



Ø4.5/
6.0 mm

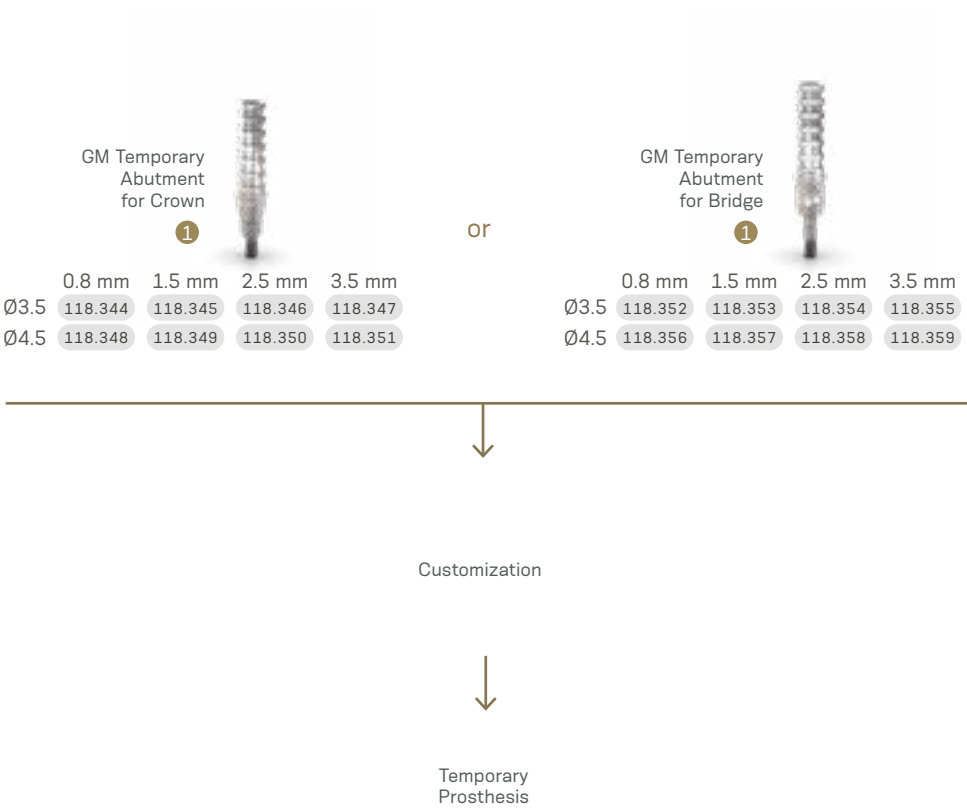
Biocompatible Peek of easy customization.

Consider in addition 1.5 - 2.0 mm for the restorative material
Interocclusal height of 9.2 mm (can be customized up to 5.0 mm)
With internal threads for a secure engagement of the screw

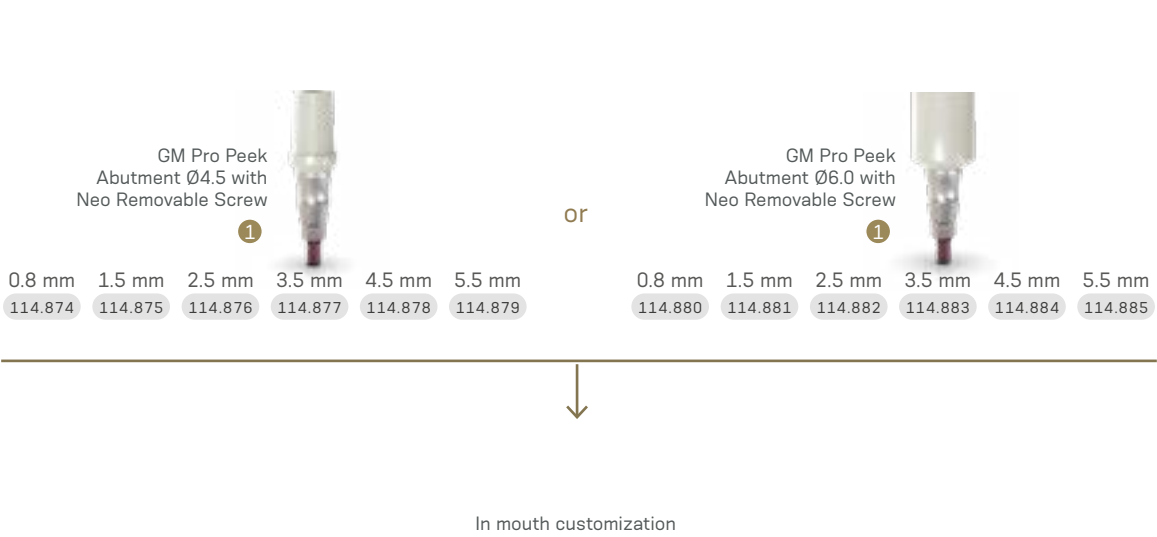
Exact
Neo Removable Screw



Installation Sequence



Installation Sequence



Drivers



Neo Screwdriver Torque Connection

+



Torque Wrench

Accessories



Replacement Sterile Screws
116.286 Titanium



Neotorque*
116.285

Drivers



Neo Screwdriver Torque Connection

+



Torque Wrench

Accessories

Replacement Abutment Screw



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



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



GM Novaloc for Removable Prostheses



Overdenture

Angled version with removable screw.



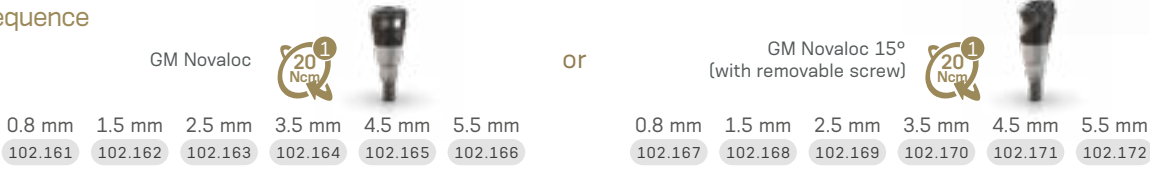
GM Mini Conical Abutment Coping for Removable Prosthesis



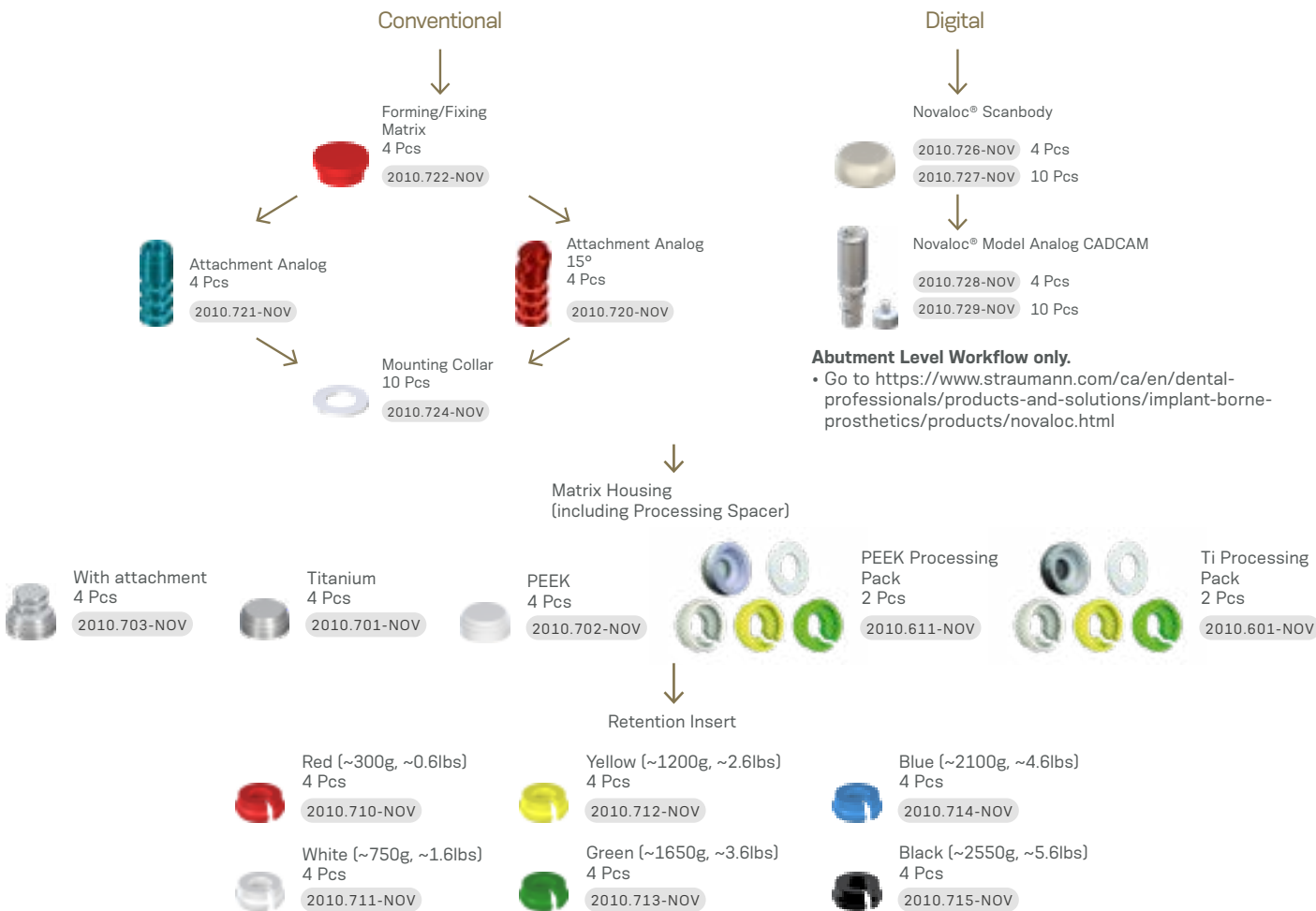
Overdenture



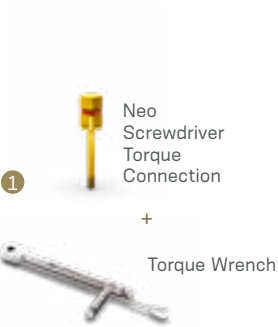
Installation Sequence



Abutment Level Workflow



Drivers



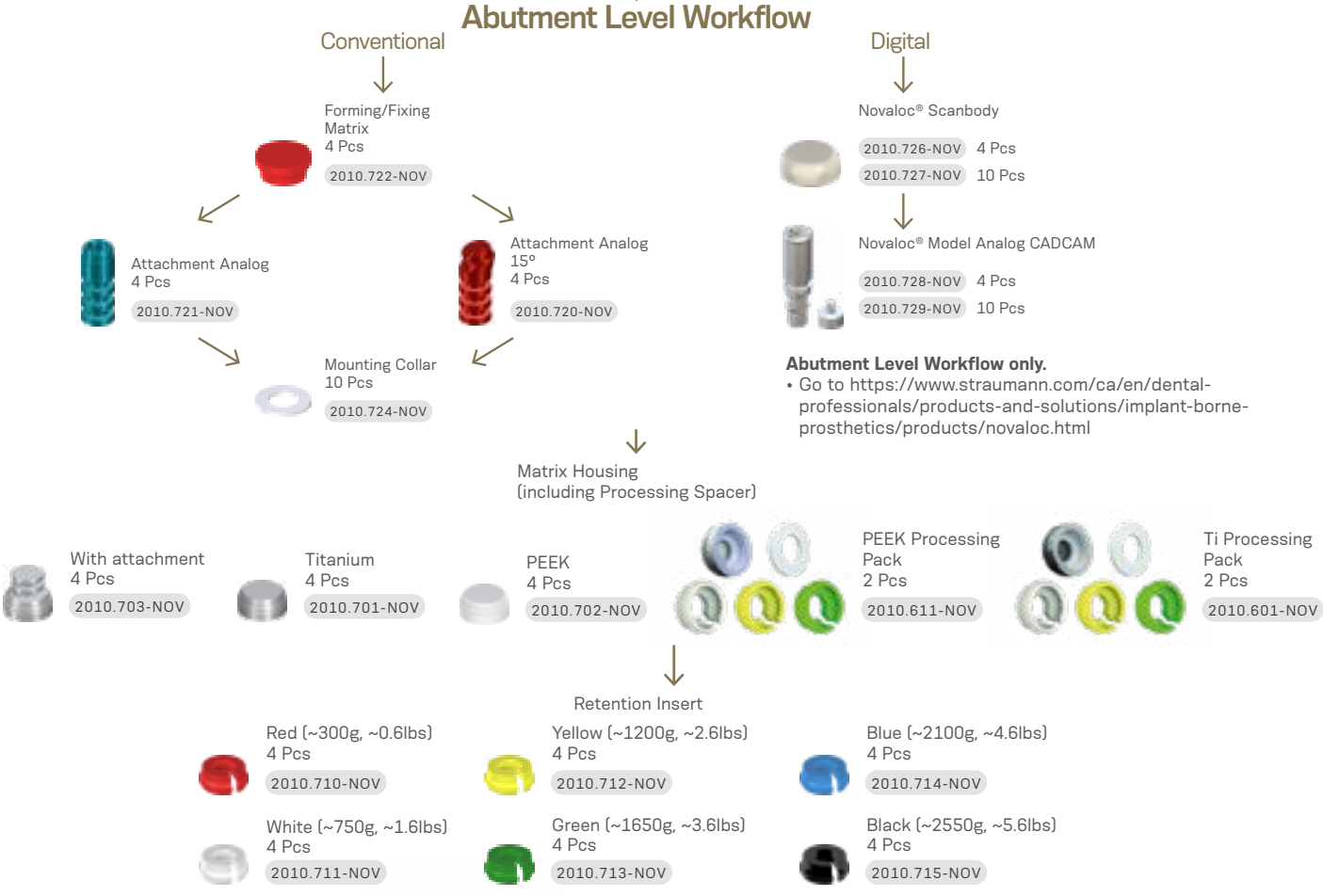
Accessories



Installation Sequence



Abutment Level Workflow



Drivers



Accessories



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



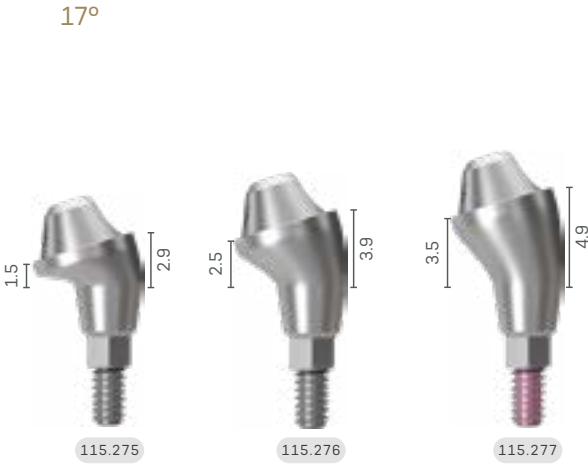
*The 45° Mini Conical Abutment is indicated for use only with Zygoma GM and GM Zygoma-S.

**Warning: The coping for removable prosthesis used along with Zygomatic implants are not recommended for immediate loading.

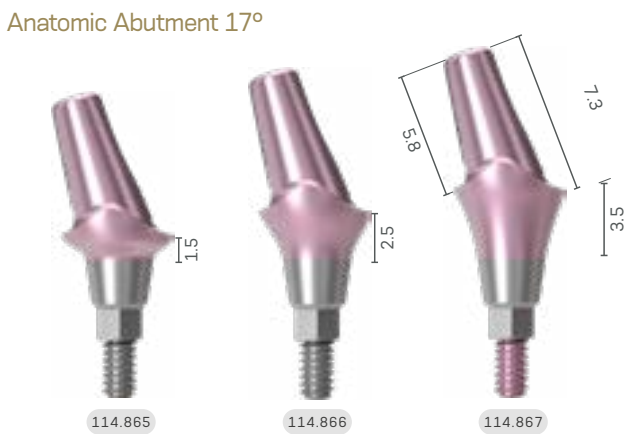
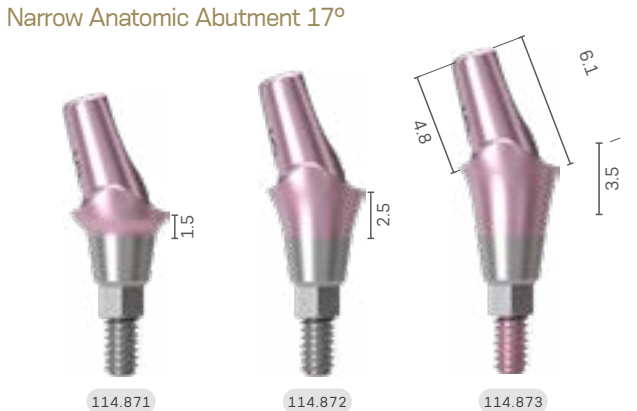
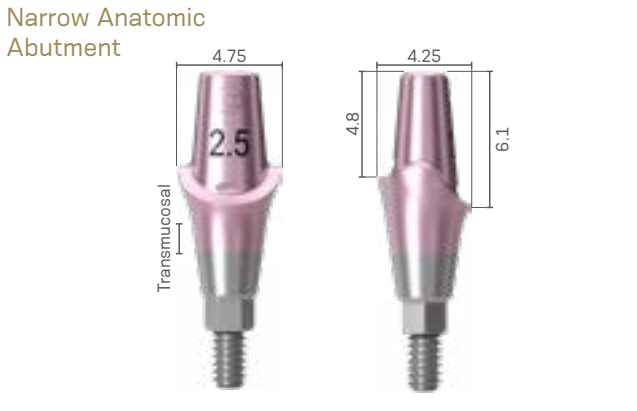
The 45° Mini Conical Abutment Slim, 45° Mini Conical Abutment, and the 60° Mini Conical Abutment are indicated for use only with Zygoma GM and GM Zygoma-S.

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

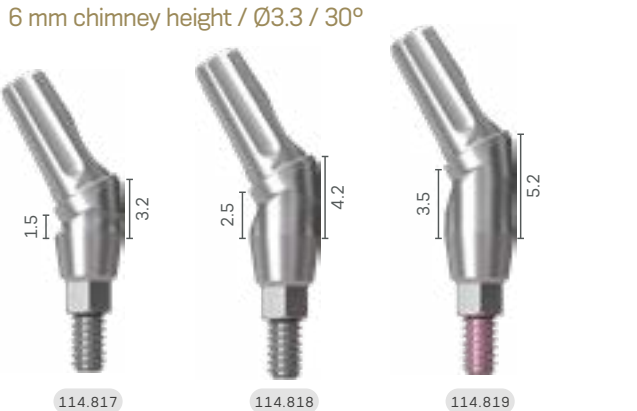
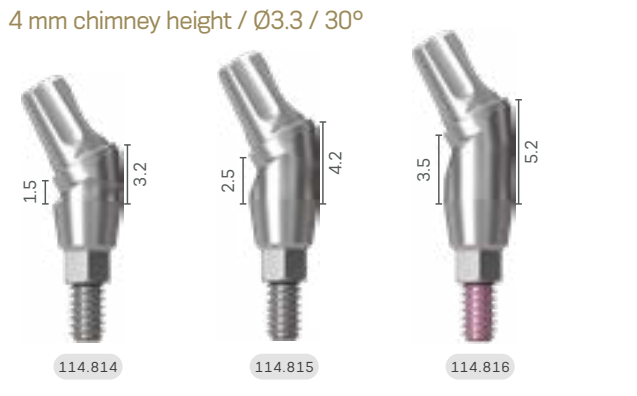
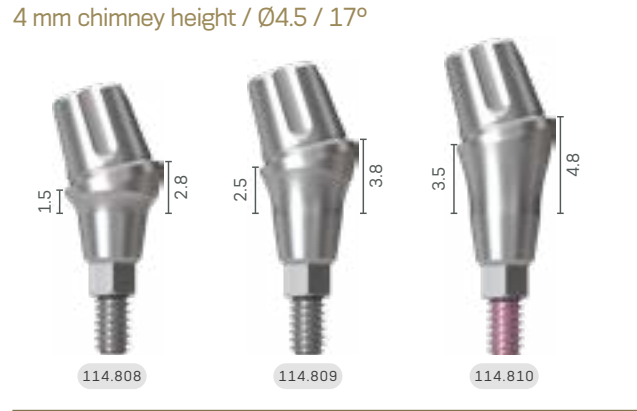
Measurements GM
Mini Conical Abutment



Measurements GM
Anatomic Abutment



Measurements GM
Universal Abutment



Grand Morse® Kits



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
- [105.168](#) GM Implant Driver - Contra-Angle
- [104.060](#) Neo Screwdriver (Medium)

- [105.130](#) GM Implant Driver - Torque Wrench (Long)
- [104.028](#) Manual Implant Driver - Contra-Angle
- [105.129](#) GM Implant Driver - Torque Wrench (Short)
- [128.019](#) Direction Indicator 2.8/3.5
- [128.020](#) Direction Indicator 3.0/3.75
- [128.021](#) Direction Indicator 3.3/4.0
- [128.022](#) Direction Indicator 3.6/4.3
- [128.023](#) Direction Indicator 4.3/5.0
- [128.028](#) Height Measurer GM
- [129.004](#) Depth Probe
- [129.001](#) Titanium Tweezers
- [104.050](#) Torque Wrench
- [103.426](#) Drill Extension

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

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
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- [103.425](#) Tapered Drill 2.0
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- [103.582](#) Tapered Contour Drill 5.0
- [105.168](#) GM Implant Driver - Contra-angle GM
- [105.130](#) Implant Driver - Torque Wrench (Long)
- [105.129](#) GM Implant Driver - Torque Wrench (Short)
- [103.513](#) 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).



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](#).



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

- 110.297

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+
- 105.168

GM Implant Driver - Contra-angle GM
- 105.130

Implant Driver - Torque Wrench (Long)
- 105.129

GM Implant Driver - Torque Wrench (Short)
- 103.513

Pilot Drill 3.5
- 103.514

Pilot Drill 3.75
- 103.515

Pilot Drill 4.0

- 103.516

Pilot Drill 4.3
- 103.517

Pilot Drill 5.0
- 128.028

GM Height Measurer
- 128.030

Angle Measurer for Drill 2.0 17°
- 128.031

Angle Measurer for Drill 2.0 30°
- 128.019

Direction Indicator 2.8/3.5
- 128.020

Direction Indicator 3.0/3.75
- 128.021

Direction Indicator 3.3/4.0
- 128.022

Direction Indicator 3.6/4.3
- 128.023

Direction Indicator 4.3/5.0
- 129.004

Depth Probe
- 104.050

Torque Wrench

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

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.

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 Try-In Abutment Kit

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



Articles

- 110.295

GM Try-In Kit Case
- 114.772

GM Abutment Try-In 3.3X6X0.8
- 114.773

GM Abutment Try-In 3.3X6X1.5
- 114.774

GM Abutment Try-In 3.3X6X2.5
- 114.775

GM Abutment Try-In 3.3X6X3.5
- 114.776

GM Abutment Try-In 3.3X6X4.5
- 114.777

GM Abutment Try-In 3.3X6X5.5
- 114.778

GM Abutment Try-In 4.5X6X0.8
- 114.779

GM Abutment Try-In 4.5X6X1.5
- 114.780

GM Abutment Try-In 4.5X6X2.5
- 114.781

GM Abutment Try-In 4.5X6X3.5
- 114.782

GM Abutment Try-In 4.5X6X4.5
- 114.783

GM Abutment Try-In 4.5X6X5.5
- 114.784

GM Abutment Try-In 17° 3.3X6X1.5
- 114.785

GM Abutment Try-In 17° 3.3X6X2.5
- 114.786

GM Abutment Try-In 17° 3.3X6X3.5
- 114.787

GM Abutment Try-In 17° 4.5X6X1.5
- 114.788

GM Abutment Try-In 17° 4.5X6X2.5
- 114.789

GM Abutment Try-In 17° 4.5X6X3.5
- 114.790

GM Abutment Try-In 30° 3.3X6X1.5
- 114.791

GM Abutment Try-In 30° 3.3X6X2.5
- 114.792

GM Abutment Try-In 30° 3.3X6X3.5
- 114.793

GM Abutment Try-In 30° 4.5X6X1.5
- 114.794

GM Abutment Try-In 30° 4.5X6X2.5
- 114.795

GM Abutment Try-In 30° 4.5X6X3.5
- 114.796

GM Anatomic Abutment Try-In 1.5
- 114.797

GM Anatomic Abutment Try-In 2.5
- 114.798

GM Anatomic Abutment Try-In 3.5
- 114.799

GM Lateral Anatomic Abutment Try-In 1.5
- 114.800

GM Lateral Anatomic Abutment Try-In 2.5
- 114.801

GM Lateral Anatomic Abutment Try-In 3.5
- 104.058

Neo Manual Screwdriver (Short)
- 128.028

GM Height Measurer

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



User friendly kit

retentive system

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



TRUST YOURSELF

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

Protect anatomical structures

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

Master limited visibility

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



Intuitive solution

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

Secure drill stop locking system

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

Multiple use solution

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

Neodent® Color Code overview



Color code according to implant length



Laser-marked diameter

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	✓	✓	✓	✓	✓	✓	✓



Grand Morse® Instruments



Initial Drill

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

103.170

Tapered Drills

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



	Short 31 mm	Regular 35 mm	Long 43 mm
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

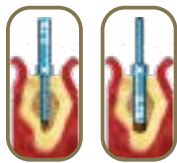
- :: Available in titanium;
- :: To be used in association with the Control Stop Drills;
- :: Physical control for drilling depth.



	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 (3 mm) biological space;
- :: Maximum torque 35 Ncm.

Regular	Long
105.168	105.176



GM Implant Driver - Torque Wrench

- :: To place GM Implants with the Torque Wrench (104.050);
- :: With six marks to indicate the hex index face position;
- :: The laser marks indicate the depth of implant placement, bone level, 1 and 2mm infra-bone and last marking (3mm) biological space;
- :: Maximum torque: 60 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 and up to 15°.

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 and up to 15°.

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



GM Bone Profile Drill with Guide

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

103.424



Angle Measurer for Drill 2.0

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

17°	30°
128.030	128.031



GM Angle Measurer

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

17°	30°
128.032	128.033



Control Stop Kit Holder

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

110.310



Manual Implant Drivers

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

Contra-angle Connections	Torque Wrench Connections
104.028	104.005



Remover for Abutments with internal threads

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

Regular	Long
130.118	130.114



Remover for Neo Screws

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

Regular	Long
130.119	130.115



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	Ø4.3	Ø5.0
129.009	129.013	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



*130.117 and 130.116 sold as a set of two.

Stainless Steel Removal Implants,

- :: Implants Removal
- :: Stainless Steel



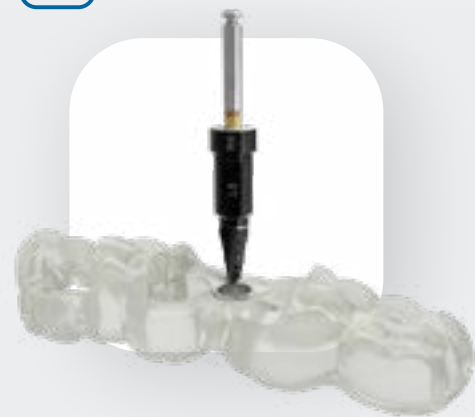
Regular
130.050



SIMPLICITY AT ONE HAND

Neodent® EasyGuide is designed to offer simple fully guided techniques and efficient treatment protocols.

- ✓ **STRAIGHTFORWARD GUIDED SURGERY TECHNIQUE**
Surgical convenience with one-hand procedures
- ✓ **EFFICIENT TREATMENT PROTOCOLS**
Intuitive and simple technique
- ✓ **DESIGNED FOR ACCURATE IMPLANT POSITIONING**
Gain confidence with simple, fully guided techniques.
- ✓ **PATIENT TREATMENT COMMUNICATION**
Visual communication building trust and patient engagement



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

- Simple technique
- Reduced number of instruments
- Surgeries can be performed without assistance

ONE DRILL DESIGN

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

- COLOR CODE ACCORDING TO IMPLANT DIAMETER**
- BUILT-IN STOP FOR PHYSICAL DEPTH CONTROL, WRITTEN IDENTIFICATION OF THE SLEEVE DIAMETER.***
- LASER-MARKED LENGTH**
- ACTIVE PORTION MATCHING IMPLANT LENGTHS**

* NR: Narrow/Regular = 3.5/3.75mm implants - blue sleeve. RW: Regular/Wide = 4.0/4.3/5.0mm implants - silver sleeve.



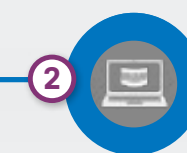
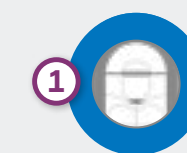
FULLY GUIDED BED PREPARATION

- 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)



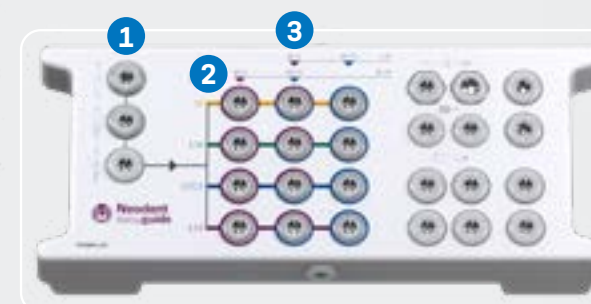
- 2. VIRTUAL PLANNING**
Implant positioned respecting the patient's anatomy and prosthetic outcome. Neodent® EasyGuide is compatible with major software.

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

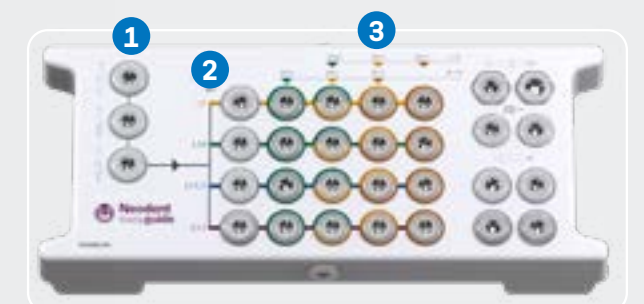


- 4. SURGICAL PROCEDURE**
Neodent® EasyGuide presents two surgical kits, selected according to the implant diameter.

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



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



- 1. UNIQUE START REGARDLESS OF BONE TYPE**



- 2. STRAIGHTFORWARD IMPLANT LENGTH IDENTIFICATION**



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



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.
To order the pre-mounted version of the kit, with its complete composition, use code 110.341



Articles

- | | | | | | |
|---------|--|---------|-------------------------------------|---------|---------------------------------------|
| 110.343 | EasyGuide Kit Narrow/Reg. Diam. Tray | 103.658 | Narrow Tapered Drill D3.5/3.75X10 | 125.142 | Fixation Clamp - 3 units per kit |
| 125.170 | GM Narrow Stabilizer - 3 units per kit | 103.659 | Narrow Tapered Drill D3.5/3.75X11.5 | 104.050 | Torque Wrench |
| 105.169 | GM Narrow Driver for Contra-angle | 103.660 | Narrow Tapered Drill D3.5/3.75X13 | 105.167 | Long Neo Screwdriver for Contra-angle |
| 105.162 | GM Narrow Driver for Torque Wrench | 103.661 | Narrow Tapered Drill D3.75X8 | | |
| 103.583 | Narrow Mucosa Punch | 103.662 | Narrow Tapered Drill D3.75X10 | | |
| 103.630 | Narrow Bone Leveling Drill | 103.663 | Narrow Tapered Drill D3.75X11.5 | | |
| 103.652 | Narrow Initial Drill | 103.664 | Narrow Tapered Drill D3.75X13 | | |
| 103.653 | Narrow Tapered Drill D3.5X8 | 104.060 | Neo Manual Screwdriver (Medium) | | |
| 103.654 | Narrow Tapered Drill D3.5X10 | 103.665 | Drill for Palatal Setter | | |
| 103.655 | Narrow Tapered Drill D3.5X11.5 | 125.176 | Palatal Setter | | |
| 103.656 | Narrow Tapered Drill D3.5X13 | 103.395 | Guided Surgery Drill 1.3 | | |
| 103.657 | Narrow Tapered Drill D3.5/3.75X8 | 129.034 | Depth Probe | | |

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

Neodent® EasyGuide Kit for Regular/Wide Diameter Implants

Autoclavable polymer case.
The kit allows the installation of Helix GM Implants of Ø4.0, Ø4.3 and Ø5.0 in all bone types, using the Neodent® EasyGuide Guided Surgery Technique.
To order the pre-mounted version of the kit, with its complete composition, use code 110.340



Articles

- | | | | | | |
|---------|---|---------|-------------------------------------|---------|---------------------------------------|
| 110.344 | EasyGuide Kit Reg./Wide Diam. Tray | 103.637 | Regular Tapered Drill D4.0X10 | 103.649 | Regular Tapered Drill D5.0X10 |
| 125.171 | GM Regular Stabilizer - 3 units per kit | 103.638 | Regular Tapered Drill D4.0X11.5 | 103.650 | Regular Tapered Drill D5.0X11.5 |
| 105.170 | GM Regular Driver for Contra-angle | 103.639 | Regular Tapered Drill D4.0X13 | 103.651 | Regular Tapered Drill D5.0X13 |
| 105.164 | GM Regular Driver for Torque Wrench | 103.640 | Regular Tapered Drill D4.0/4.3X8 | 104.060 | Neo Manual Screwdriver (Medium) |
| 103.584 | Regular Mucosa Punch | 103.641 | Regular Tapered Drill D4.0/4.3X10 | 103.665 | Drill for Palatal Setter |
| 103.629 | Regular Bone Leveling Drill | 103.642 | Regular Tapered Drill D4.0/4.3X11.5 | 125.176 | Palatal Setter |
| 103.631 | Regular Initial Drill | 103.643 | Regular Tapered Drill D4.0/4.3X13 | 103.395 | Guided Surgery Drill 1.3 |
| 103.632 | Regular Tapered Drill D2.7X8 | 103.644 | Regular Tapered Drill D4.3/5.0X8 | 125.142 | Fixation Clamp - 3 units per kit |
| 103.633 | Regular Tapered Drill D2.7X10 | 103.645 | Regular Tapered Drill D4.3/5.0X10 | 129.034 | Depth Probe |
| 103.634 | Regular Tapered Drill D2.7X11.5 | 103.646 | Regular Tapered Drill D4.3/5.0X11.5 | 104.050 | Torque Wrench |
| 103.635 | Regular Tapered Drill D2.7X13 | 103.647 | Regular Tapered Drill D4.3/5.0X13 | 105.167 | Long Neo Screwdriver for Contra-angle |
| 103.636 | Regular Tapered Drill D4.0X8 | 103.648 | Regular Tapered Drill D5.0X8 | | |

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



Neodent® EasyGuide Instruments



Narrow Tapered Drills

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

	Ø3.5	Ø3.5/3.75	Ø3.75
8.0	103.653	103.657	103.661
10.0	103.654	103.658	103.662
11.5	103.655	103.659	103.663
13.0	103.656	103.660	103.664



Regular Tapered Drills

- :: Available in surgical steel;
- :: For Helix GM implants with Ø4.0, Ø4.3 and Ø5.0 in diameter;
- :: Built-in stops for a fully-guided procedure;
- :: 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	103.632	103.636	103.640	103.644	103.648
10.0	103.633	103.637	103.641	103.645	103.649
11.5	103.634	103.638	103.642	103.646	103.650
13.0	103.635	103.639	103.643	103.647	103.651



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 N.cm.

Drill	Palatal Setter
103.665	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 stops;
- :: For flattening bone surface before osteotomy.

Narrow	Regular
103.630	103.629



Initial Drills

- :: Available in stainless steel;
- :: Built-in stops;
- :: For rupture of the cortical bone.

Narrow	Regular
103.652	103.631



GM Drivers for Contra-Angle

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

Narrow	Regular
105.169	105.170



GM Drivers for Torque Wrench

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

Narrow	Regular
105.162	105.164



Guide Stabilizers

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

Narrow	Regular
125.170	125.171

Depth Probe

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



129.034



Neo Manual Screwdriver

- :: Available in surgical steel and titanium.

Medium
25 mm

104.060



Neo Screwdriver Torque Connection
- Contra-angle

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

Long Extra Long
31 mm 37 mm

105.160

105.167



Torque Wrench

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

104.050



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 ⁽¹⁰⁾.



Immediate function resulting in shorter treatment times.

- Different implants techniques to minimize the use of grafting procedure⁽¹¹⁾.
- A comprehensive portfolio, including Helix® GM, Helix® GM Long, Zygoma GM and GM Zygoma-S to accommodate all bone types.⁽¹²⁾.



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.

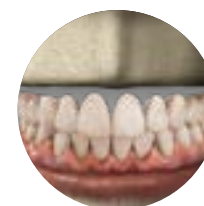
- One connection regardless of the diameters.
- Unique connection combining Platform Switching associated with a deep 16° Morse taper including an internal indexation.

SOLUTIONS FOR ALL CLINICAL NEEDS

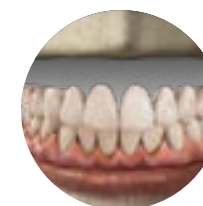
An implant system designed for predictable immediate treatments in all bone types even with different conditions of the residual alveolar bone.



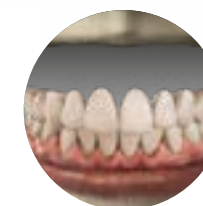
Helix® GM



Helix GM Long



Zygoma GM



Zygoma-S GM

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BONE RESORPTION

*For immediate load application, the primary stability must be at least 35 N.cm and the patient must present with physiological occlusion.

**The 45°/45° Slim Mini Conical Abutment are indicated for use only with Zygoma GM and GM Zygoma-S

***The 52° Mini Conical Abutment and 60° Mini Conical Abutment are indicated for use only with Zygoma GM and Zygoma-S.



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.

- Applications:
- 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[®]

**The 45°/45° Slim Mini Conical Abutment are indicated for use only with Zygoma GM and GM Zygoma-S
***The 52° Mini Conical Abutment and 60° Mini Conical Abutment are indicated for use only with Zygoma GM and Zygoma-S.

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

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.

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

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.

- Applications:
- 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®

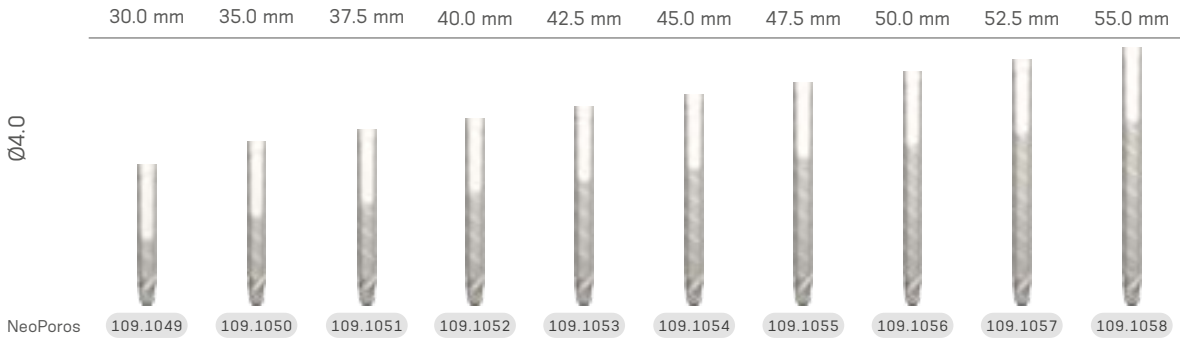


Drill Sequence

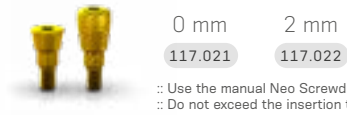


The procedure can start guided. Check the instruments for more information.

Zygoma GM Implants



GM Cover Screw

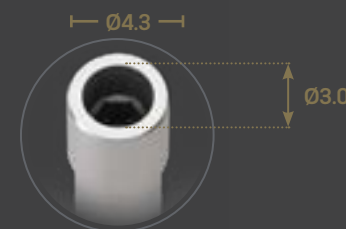


:: Use the manual Neo Screwdriver (104.060);
:: Do not exceed the insertion torque of 10 Ncm.



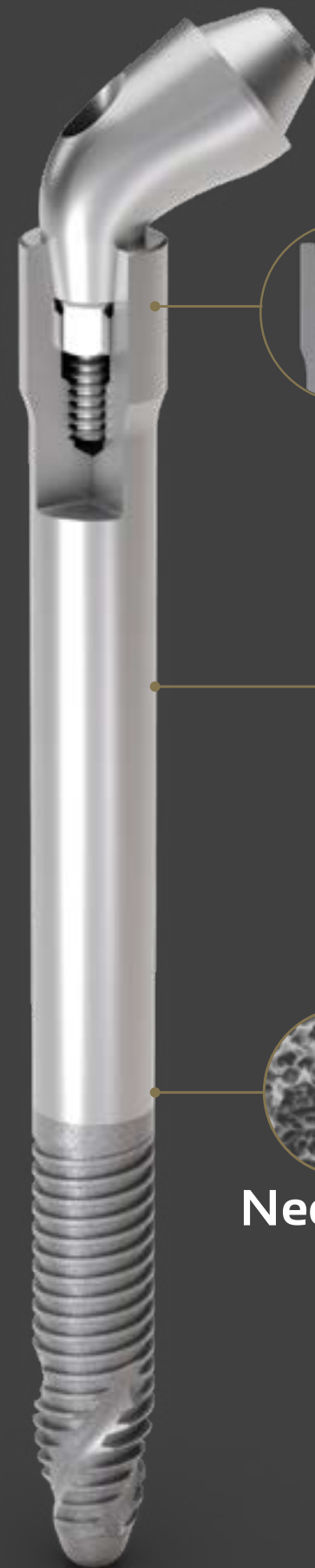
Zygoma-S

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^[10].



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,^[5] 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 aimed at maintaining soft-tissue preservation^[12]
- Coronal portion with 4.3mm of diameter designed to ensure resistance and a tight fit for an optimal connection seal
- Ten different lengths: 30 / 35 / 37.5 / 40 / 42.5 / 45 / 47.5 / 50 / 52.5 / 55 mm

HELIX® GRAND MORSE: UNBEATABLE VERSATILITY.

- Progressive depth threads at the apical area allow under-prepping of the osteotomy
- Apex with Neoporos surface, with the potential of osseointegration to enhance the zygomatic anchorage
- Hybrid contour: enable stability with vertical placement flexibility
- Active apex: self-tapping

NeoPoros



A SMILE FOR EVERYONE



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;

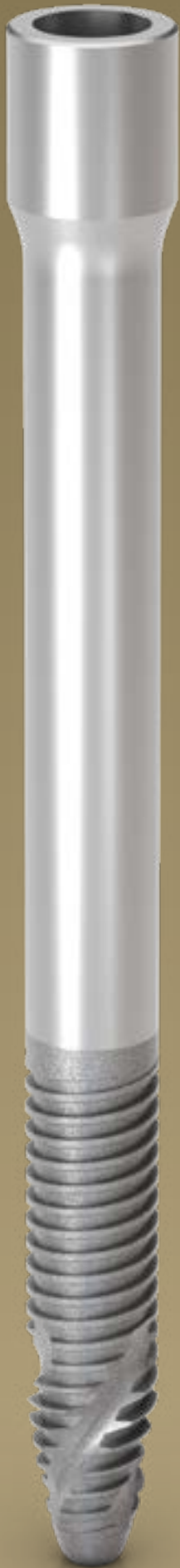
Zygomatic implants are indicated for intraoral surgical procedures in the zygoma region in cases of severe maxilla bone resorption, to restore the patient's chewing function and aesthetics.

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
Ø3.75 mm	Optional	Optional	Optional	Optional	Optional	Optional

GM Zygomax-S implants

		30.0 mm	35.0 mm	37.5 mm	40.0 mm	42.5 mm	45.0 mm	47.5 mm	50.0 mm	52.5 mm	55.0 mm
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 Ncm.



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

Neodent packaging has been specially updated for easy handling 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.

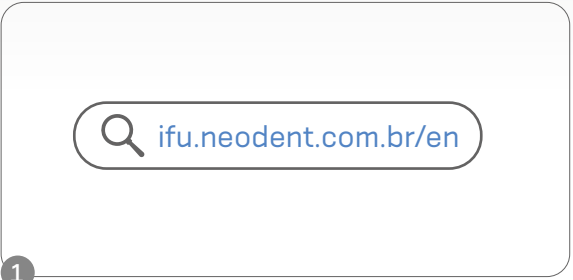


e-IFU – Electronic Instructions For Use

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



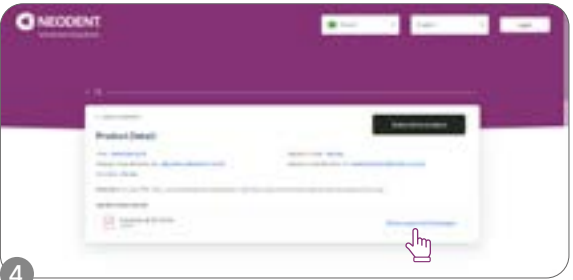
To access the IFU website, enter the address above in your browser.



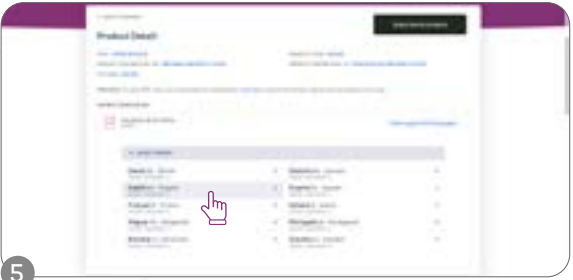
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Enter the article number in the search field.



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



Select the language.



Confirm and access the IFU.



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;

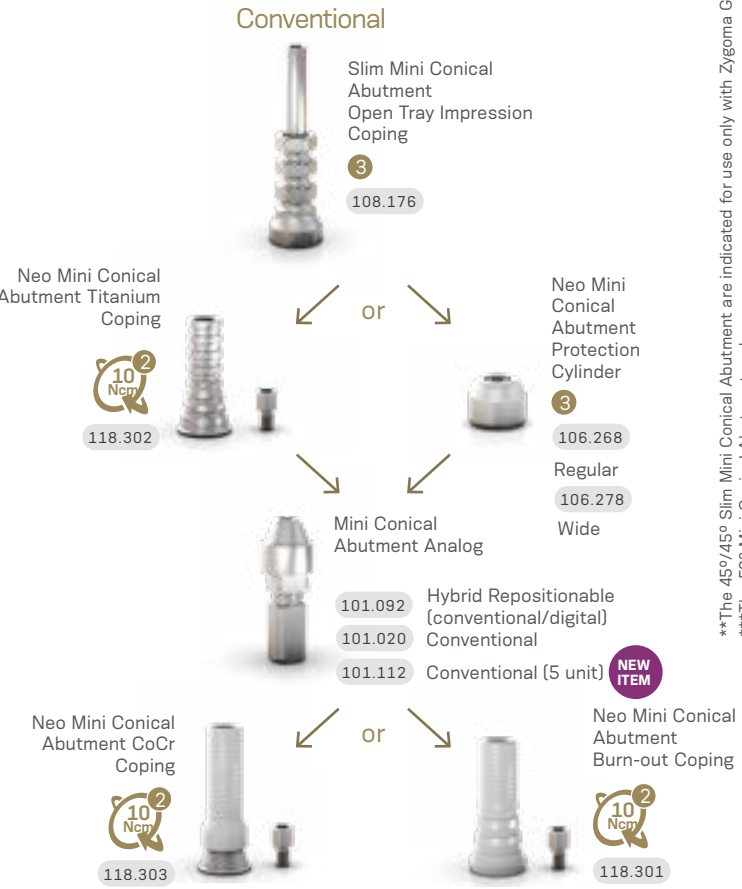
Neo Removable Screw.



Measurements GM Mini Conical Abutment

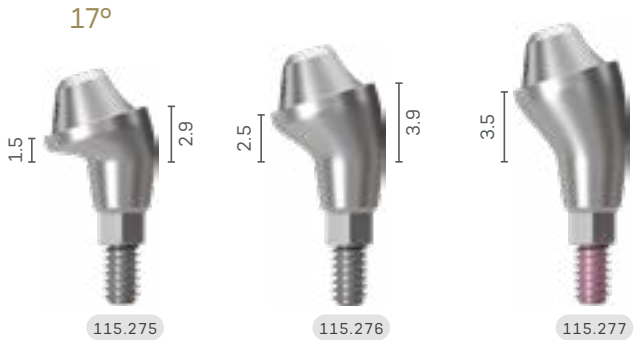
Installation Sequence

			GM Mini Conical Abutment			or				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
3.5 mm	4.5 mm	5.5 mm		2.5 mm			115.276	115.279	115.282	115.303	115.301	115.286
115.246	115.247	115.248		3.5 mm			115.277	115.280				



**The 45°/45° Slim Mini Conical Abutment are indicated for use only with Zygoma GM and GM Zygoma-S.

***The 52° Mini Conical Abutment and 60° Mini Conical Abutment are indicated for use only with Zygoma GM and 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

Sealing pin mini conical abutment one step hyb cop (5 un.) 118.411

Mini Conical Abutment Polishing Protector 123.008

Neotorque* 116.270

Replacement Coping Screw 116.269 Titanium

Neo Mini Conical Abutment Coping Screw 4.1 (5 un.) 116.301

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



NeoArch® Kits



Helix® GM Long Compact Surgical Kit

Autoclavable polymer case.



Articles

110.300	Helix GM Long Compact Surgical Kit Case	103.453	Helix GM Long Initial Drill 2.0mm	105.143	Regular Guided Surgery GM Connection for Torque Wrench
103.395	Guided Surgery Drill 1.3mm	103.462	Twist Drill For Helix GM Long 2.35mm	105.140	Regular Guided Surgery GM Connection - Contra-angle
125.100	Guided Surgery Guide Clamp	103.463	Twist Drill For Helix GM Long 3.75mm	104.060	Neo Manual Screwdriver (medium)
125.140	Drill Guide For NGS Helix GM Long 2.0/2.35mm	103.464	Twist Drill For Helix GM Long 4.0mm	105.129	GM Implant Driver - Torque Wrench (short)
125.141	Drill Guide For NGS Helix GM Long 3.75/4.0mm	129.021	Helix GM Long X-ray Positioner	105.168	GM Implant Driver - Contra-angle
103.459	Twist Drill For NGS Helix GM Long 2.35mm	128.032	GM Angle Measurer 17°	104.050	Torque Wrench
103.460	Twist Drill For NGS Helix GM Long 3.75mm	128.033	GM Angle Measurer 30°		
103.461	Twist Drill For NGS Helix GM Long 4.0mm	128.034	GM Angle Measurer 45°		

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

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	105.168	GM Implant Driver - Contra-angle
103.456	Twist Drill For Zygoma GM 3.75mm	128.032	GM Angle Measurer 17°	104.050	Torque Wrench

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® Instruments



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	103.456	103.457



Zygoma GM Lateral Direction Drill

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

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 (3 mm) biological space;
- :: Maximum torque 35 Ncm.

Regular	Long
105.168	105.176



Neo Screwdriver Torque Connection - Torque Wrench

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

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



Neo Manual Screwdriver

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

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



Neo Screwdriver Torque Connection - Contra-angle

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

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





Hexagonal Prosthetic Driver

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

Contra-angle	Torque Wrench Regular	Torque Wrench Short	Torque Wrench Regular with Screw
105.138	105.137	105.044	105.009



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

*Includes capture ring feature.

74



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

105.172



Guided Surgery GM Connection - Torque Wrench

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

Regular

105.143



Helix GM Long X-ray Positioner

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

129.021



Zygoma GM 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	Long
130.118	130.114



Remover for Neo Screws

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

Regular	Long
130.119	130.115



Osteotomes

Concave 2.0	Convex 2.9
110.323	110.324



Osteotomes Kit Case

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

110.336

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	Long	Long
130.117	130.116	130.116

*130.117 and 130.116 sold as a set of two

75





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.

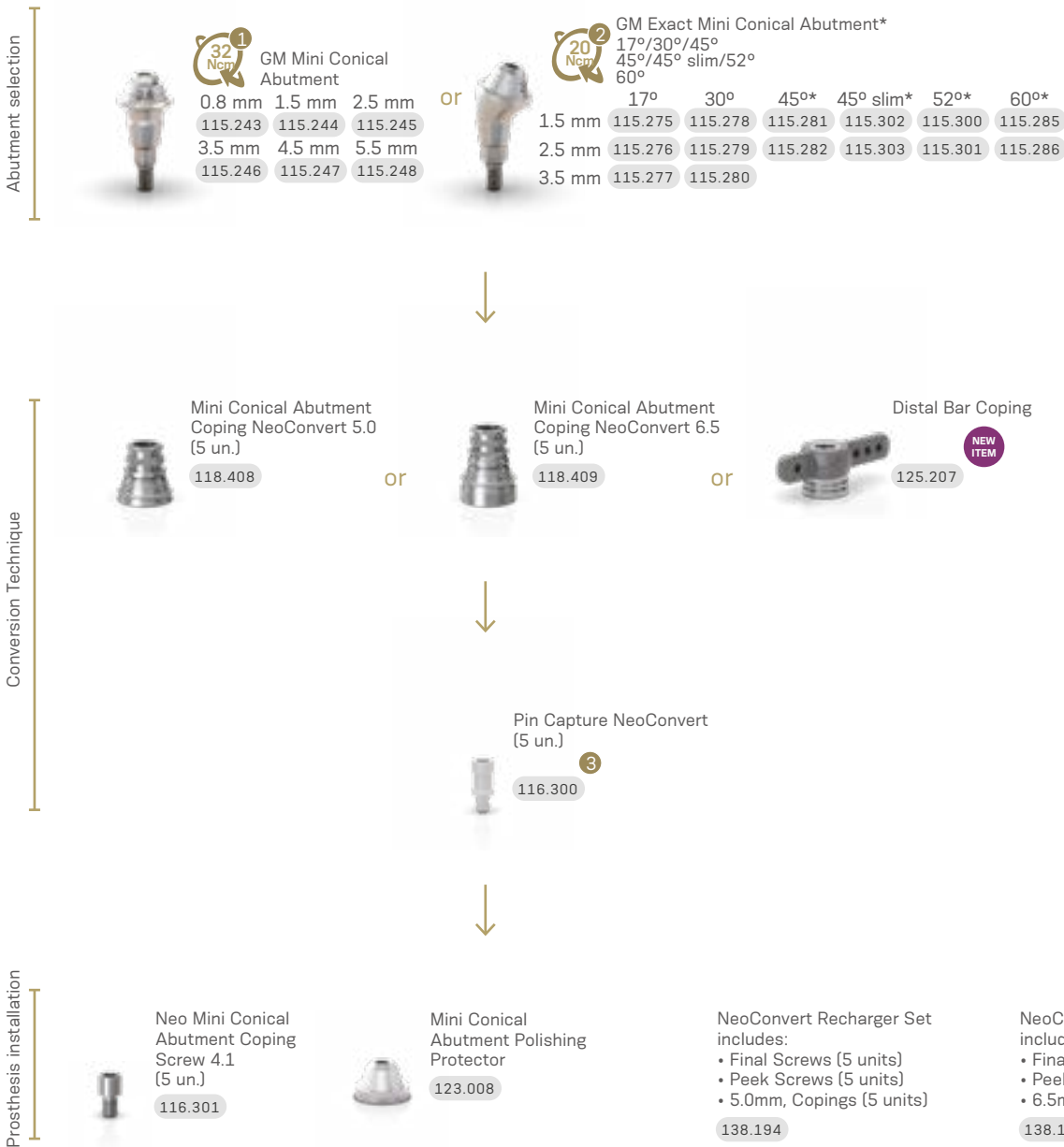


IMMEDIATE FULL ARCH TREATMENT:
ONE STEP CLOSER TO EFFECTIVENESS

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



Installation Sequence



The 45°/45° Slim Mini Conical Abutment are indicated for use only with Zygoma GM and GM Zygoma-S. The 52° and 60° Mini Conical Abutments are indicated for use only with Zygoma GM and GM Zygoma-S.

Drivers

- 1 Hexagonal Prosthetic Driver 105.137 + Torque Wrench 104.050
- 2 Neo Screwdriver Torque Connection 105.132 + Torque Wrench 104.050
- 3 Digital Driver Pin Capture NeoConvert 104.074

Accessories

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

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

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



VISUAL COMMUNICATION

- Enables richer communication to help build trust with patients
- Access to a range of treatment options
- Immediate protocols
- Flapless surgery
- Comprehensive treatment planning
- Esthetically driven surgery capable of delivering a personalized restoration



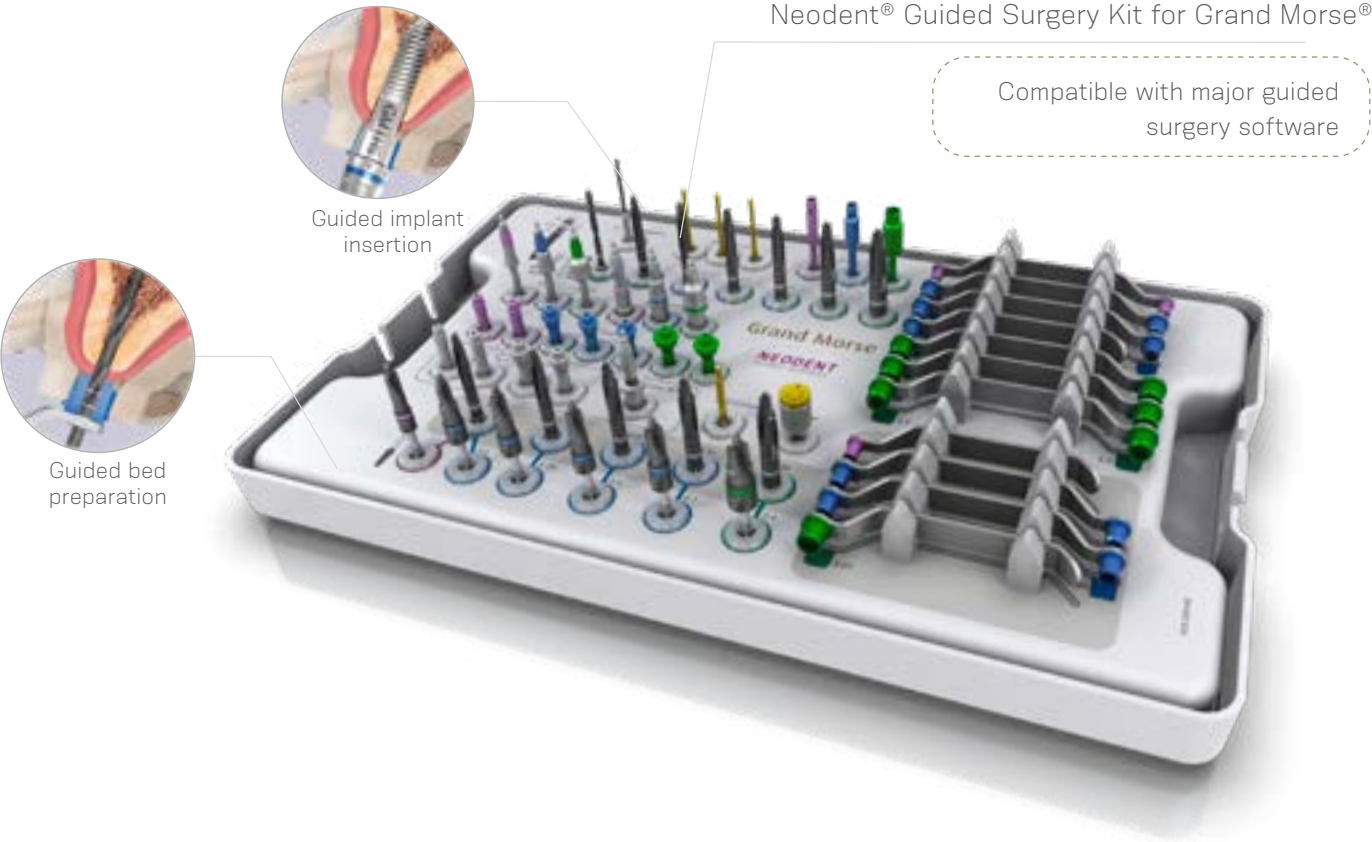
Complete
Helix® and Drive GM
Implants portfolio



Convenient
Color-coded instruments
and symbol-marked



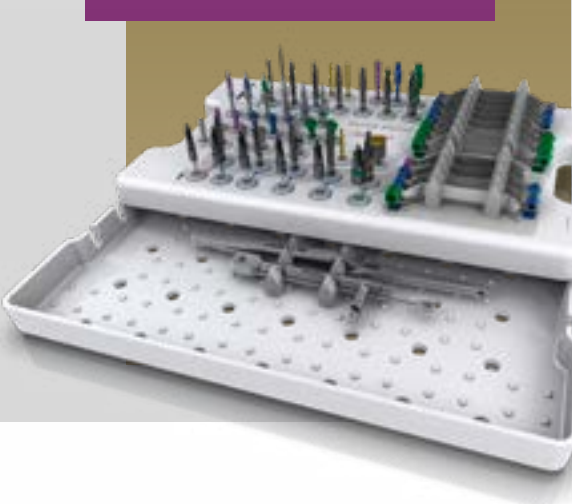
Flexible
2 sleeve height positions



Neodent® Guided Surgery Kit

Grand Morse® Guided Surgery Surgical Kit

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



Articles

- 110.296 GM Guided Surgery Surgical Kit Case
- 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*
- 105.171 Narrow Guided Surgery GM Connection - Contra-angle
- 105.172 Regular Guided Surgery GM Connection - Contra-angle
- 105.173 Wide Guided Surgery GM Connection - Contra-angle
- 105.142 Narrow Guided Surgery GM Connection for Torque Wrench
- 105.143 Regular Guided Surgery GM Connection for Torque Wrench
- 105.144 Wide Guided Surgery GM Connection for Torque Wrench
- 125.130 Narrow Guided Surgery GM Guide Stabilizer
- 125.131 Regular Guided Surgery GM Guide Stabilizer
- 125.132 Wide Guided Surgery GM Guide Stabilizer
- 125.133 Narrow Guided Surgery GM Guide Stabilizer (Long)
- 125.134 Regular Guided Surgery GM Guide Stabilizer (Long)
- 105.145 Guided Surgery GM H11 Connection for Torque Wrench
- 105.136 Neo Screwdriver Torque Connection - Contra-angle (Medium)

- 104.060 Neo Manual Screwdriver (Medium)
- 103.439 Tapered Contour Guided Surgery Drill 3.5*
- 103.440 Tapered Contour Guided Surgery Drill 3.75*
- 103.441 Tapered Contour Guided Surgery Drill 4.0*
- 103.442 Tapered Contour Guided Surgery Drill 4.3*
- 103.443 Tapered Contour Guided Surgery Drill 5.0*
- 103.444 Narrow Guided Surgery GM Pilot Drill 3.5
- 103.445 Regular Guided Surgery GM Pilot Drill 3.5
- 103.446 Guided Surgery GM Pilot Drill 3.75
- 103.447 Guided Surgery GM Pilot Drill 4.0
- 103.448 Guided Surgery GM Pilot Drill 4.3
- 103.449 Guided Surgery GM Pilot Drill 5.0
- 125.119 Narrow Guided Surgery Drill Guide 2.0/3.5
- 125.121 Regular Guided Surgery Drill Guide 2.0/3.5
- 125.122 Regular Guided Surgery Drill Guide 3.75/4.0
- 125.123 Regular Guided Surgery Drill Guide 4.3
- 125.126 Wide Guided Surgery Drill Guide 2.0/3.5
- 125.127 Wide Guided Surgery Drill Guide 4.0/4.3
- 125.128 Wide Guided Surgery Drill Guide 5.0/6.0
- 125.120 Narrow Tapered Contour Guided Surgery Drill Guide 3.5
- 125.124 Regular Tapered Contour Guided Surgery Drill Guide 3.5/3.75
- 125.125 Regular Tapered Contour Guided Surgery Drill Guide 4.0/4.3
- 125.129 Wide Tapered Contour Guided Surgery Drill Guide 5.0
- 129.001 Titanium Tweezers
- 104.050 Torque Wrench

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



Neodent®

Guided Surgery Instruments



Guided Surgery Tapered Drills

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

	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 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 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 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 Punch - Contra-Angle

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

Narrow	Regular	Wide
103.429	103.430	103.431



Guided Surgery Drill Guides

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

	Narrow	Regular	Wide
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
105.171	105.172	105.173



Guided Surgery Guide Stabilizers

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

Narrow	Regular	Wide
125.130	125.131	125.132



Guided Surgery GM Connection - Torque Wrench

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

Narrow	Regular	Wide
105.142	105.143	105.144



Guided Surgery Guide Stabilizers - Long

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

Narrow	Regular
125.133	125.134



Guided Surgery GM H 11 Connection - Torque Wrench

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

105.145

Sleeves for Neodent® Guided Surgery System

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

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

Neodent® Techniques

NeoConvert™ Technique

The NeoConvert technique is a viable option for patients with removable full dentures in good condition. This technique involves installing implants and abutments to allow the existing denture to be converted into a fixed temporary denture.



Mini Conical Abutment Coping NeoConvert

5.0 mm 6.5 mm
118.408 118.409



Mini Conical Abutment Distal Bar NeoConvert

125.207



Pin Capture NeoConvert

116.300



Neo Mini Conical Abutment Coping Screw 4.1

116.301



Mini Conical Abutment Polishing Protector

123.008



Digital Driver Pin Capture NeoConvert

104.074





1 Mini conical abutment coping NeoConvert installation.



2 Mark the prosthesis with silicone impression material.



3 Prosthesis wear.



4 Resin application.



5 Cylinder capture.



6 First Drill Handpiece NeoConvert™ 1.5 mm.



7 Second Drill Handpiece NeoConvert™ 1.5 mm.



8 Third Drill Handpiece NeoConvert™ 2.0 mm.



9 Polyshing.



10 Installation.

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
Sealing pin mini conical abutment one step hybrid coping (5 un.)		
118.411 Long		



Neo Micro Conical Abutments Copings One Step Hybrid Technique

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

Burn-out	Brass	Titanium
118.341	118.333	118.381



Neo Working Screw One Step Hybrid

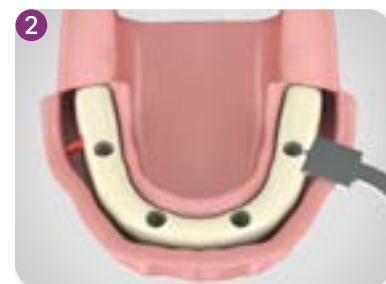
:: For laboratory use.

116.271

Demonstration Sequence



Regularize the alveolar ridge.



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



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



Placement of corresponding Neodent® Abutments.



Placement of Impression Copings, splinted with acrylic resin.



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



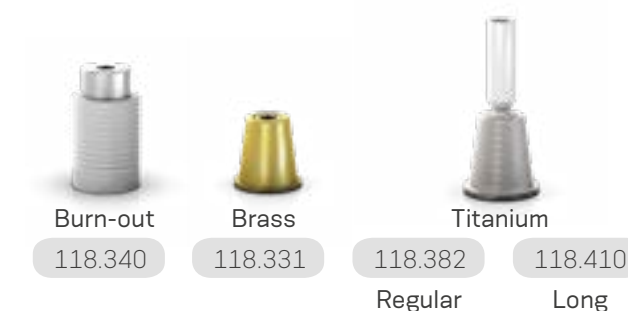
Removal of Multi-Functional Guide and placement of Analogs to the impression copings.



Working model with artificial gum.

Option 1 -Conventional Workflow for cast framework

Neo Mini Abutments Copings One Step Hybrid Technique



Working model with artificial gum.



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



Wax-up the framework.



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



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



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



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



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

Option 2- Digital Workflow for milled Zirconia Bar

Neo Mini Conical Abutment Coping Base



Working model with artificial gum.



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



Design the zirconia bar in the CAD/CAM software.



Mill the zirconia bar.



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



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



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



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



Final framework.



Distal Bar Technique

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



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



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



6 Apply selfpolymerizing acrylic resin on and between the copings.



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



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



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



10 Placed provisional implant supported prosthesis.



11 Final inside-mouth posterior view.

Digital Solutions

Capture

Intraoral Scan



Intraoral Scanner Straumann SIRIOS™ X3

Straumann SIRIOS X3 is your doorway to the ultimate dental experience: unlocking tailored treatment journeys and several possibilities for many clinical needs. Experience next-level scanning, and step into the Neodent integrated digital ecosystem, where connectivity is effortless and collaboration is easy, redefining what's possible in your practice. Powered by worldclass education and support, Straumann SIRIOS X3 is built to transform your digital dentistry experience.



Scanner Intraoral Sirios™

Straumann SIRIOS goes beyond image capturing, redefining the essence of how you interact with dentistry and opening the door to excellence, with your patient at the center. The synergy of our performance-driven hardware with our intuitive software is engineered to deliver peak performance across your workflow with precision and efficiency.

Plan

Surgery Planning Software



CoDiagnostiX®

In our fast and dynamic world, patients deserve high-quality and aesthetic care with minimal visits. Digital treatment planning is becoming the new standard to help clinicians meet these growing demands, while encouraging patient engagement. coDiagnostiX, our state-of-the-art dental treatment planning software, will support you on this journey through its simplicity and efficiency.

All-in-one delivery



Smile in a Box®

Smile in a Box is your outsourced surgical planing service for the production of surgical guides and provisional restorations. Neodent® offers its solutions as a partnership with the Smile in a Box® initiative, delivering all components in a single, streamlined box.

Treat

Reamer for Guided Surgery

- 125.212 Holder
- 125.123 Zi Tip for Guide, Reamer for Surgical Guide
- 125.214 Zi Tip for Sleeve, Reamer for Surgical Guide



Sleeves

- 125.208 Sleeve for Narrow Guided Surgery System (10 un)
- 125.217 Sleeve for Regular Guided Surgery System (10 un)
- 125.165 Sleeve for Wide Guided Surgery System (10 un)
- 125.168 Sleeve of Setter for Guided Surgery System (10 un)
- 125.177 Sleeve for Ngs Guide Clamp (10 un)
- 125.143 Regular Sleeve D5.2 (10 un)
- 125.135 Narrow Sleeve D3.93 (10 un)
- 125.136 Sleeve for Palatal Setter (10 un)
- 125.137 Sleeve D2.93 (10un)
- 125.138 Zi Guided Surgery Sleeve, Peek (10 un)
- 125.180 Zi Transmucosal Guided Surgery Sleeve, Peek (10 un)



Engage

Smile design software



Smilecloud for your practice

Engage and encourage patient's collaboration

- Enable patient engagement and case acceptance
- Access files anytime, anywhere
- Monitor and review interdisciplinary cases in 3D
- Empower teamwork

Capture

Scanbodies

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

- 108.207 GM Exact Implant Intraoral Scanbody (intraoral and model)
- 108.222 Zi Implant Scanbody (intraoral and model)
- 108.221 NGM Implant Scanbody (intraoral and model)
- 108.226 HS Implant Scanbody (intraoral and model)
- 108.218 Mini Conical Abutment Scanbody (intraoral and model)
- 108.219 Micro Abutment (intraoral and model)
- 108.220 Abutment (intraoral and model)
- 108.199 CR Abutment Scanbody 4.0x5 (intraoral)
- 108.200 CR Abutment Scanbody 4.5x5 (intraoral)
- 108.143 Universal Abutment 3.3x4 (intraoral)
- 108.144 Universal Abutment 3.3x6 (intraoral)
- 108.145 Universal Abutment 4.5x4 (intraoral)
- 108.146 Universal Abutment 4.5x6 (intraoral)



Hybrid Repositionable Analog

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



- | | |
|---|---|
| 101.103 GM Hybrid Repositionable Analog 3.5/3.75 | 101.100 Universal Abutment Hybrid Repositionable Analog 4.5X6 |
| 101.089 GM Hybrid Repositionable Analog 4.0/4.3 | 101.101 GM Abutment Hybrid Repositionable Analog |
| 101.090 GM Hybrid Repositionable Analog 5.0/6.0 | 101.080 Hybrid Repositionable Analog Zi Implant |
| 101.091 Micro Abutment Hybrid Repositionable Analog | 101.106 Zi CR Abutment Analog 4.0x5 |
| 101.092 Mini Conical Abutment Hybrid Repositionable Analog | 101.105 Zi CR Abutment Analog 4.5x5 |
| 101.097 Universal Abutment Hybrid Repositionable Analog 3.3X4 | 101.107 NGM Hybrid Analog |
| 101.098 Universal Abutment Hybrid Repositionable Analog 3.3X6 | 101.108 HS Hybrid Analog |
| 101.099 Universal Abutment Hybrid Repositionable Analog 4.5X4 | |

Design & produce

LOCAL MILLING

Custom Abutments

The Custom Abutment is used for milling customized prosthetic components in both in-house digital workflows and Straumann UNIQ.

- Medentika
- 135.454 HS Custom Abutment, D11.5, MEDENTiKA Holder
 - 135.455 HS Custom Abutment, D15.8, MEDENTiKA Holder
 - 135.456 GM Custom Abutment, D11.5, MEDENTiKA Holder
 - 135.457 GM Custom Abutment, D15.8, MEDENTiKA Holder
 - 135.458 NGM Custom Abutment, D11.5, MEDENTiKA Holder



Pre-milled Abutment Blanks are compatible with the AK-1-ME Abutment Kit Attachment ME-DENTiKA from Roland.

Straumann® Signature Midas by SprintRay

Straumann Signature Midas revolutionizes chairside dentistry with fast, simple, and precise 3D printing for single-visit, Tooth Borne restorations. Fully integrated with Straumann SIRIOS® and the intuitive AXS® workflow, it works with any intraoral scanner.



CENTRALIZED MILLING

Straumann UNIQ®

Design using your preferred CAD system and send directly to Straumann® UNIQ for production with direct connectivity from 3Shape, exocad and CARES® Visual. We offer a comprehensive portfolio for a wide range of indications to restore single, multi and edentulous cases compatible with Straumann. Our design service covers the full portfolio to maximize outsourcing opportunities.



NEW! Angled Screw Channel (ASC)

This solution enables the dentist to tilt the screw channel of the restoration by up to 25°, optimizing the positioning of the screw channel for better esthetics and functionality. The 360° rotation of the screw channel simplifies the placement and torquing process, suitable for using in anterior and posterior areas, eliminating the need for intraoral cementation restorations.

GM Customized Abutment ASC

Abutment: 191.102
Removable Screw: 116.288

Angled Solution Screwdriver for Torque Wrench
105.150 (Short 16.5 mm)
105.151 (Medium 22.5 mm)
105.152 (Long 28.5 mm)

Angled Solution Screwdriver for Contra-angle
105.147 (Short 20 mm)
105.148 (Medium 26 mm)
105.149 (Long 32 mm)

Note: ASC custom abutments and replacement screws are ordered through the Straumann UNIQ™ service.
*All digitally designed abutments for use with the Custom Abutment Ti with Angled Screw Channel are intended to be sent to Straumann for manufacturing at a validated milling center.

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



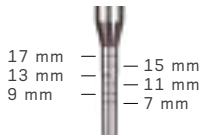
Bivers Handle

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

129.002



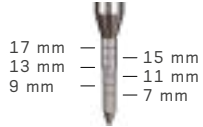
Concave Osteotome



:: 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
110.325	110.326	110.327	110.328	110.329	110.330
2.0 mm					
110.323					

Convex Osteotome



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

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

Osteotomes Kit Case

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

110.336



Osteotomes



Concave 2.0
110.323

Convex 2.9
110.324

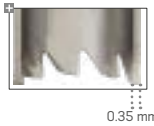
Surgical Hammer



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

126.001

Trephine Bur



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

Ø2.9	Ø3.3	Ø3.5	Ø3.75
103.371	103.051	103.490	103.491
Ø4.1	Ø4.3	Ø5.0	Ø8.0
103.026	103.087	103.027	103.028

Sinus Lift Curette

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



1
126.008

3
126.009

4
126.010

5
126.011

7
126.012

Complement Case



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

110.270

Handle Implant Driver



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

104.047

Analog Handle



:: Used for tightening analogs and milling prosthetic abutments.

104.036

Prosthetic Surgical Guide



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

Guide	Pin
103.092	103.093



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

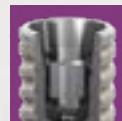
Implant therapy for demanding indications, such as reduced interdental spaces, can raise concerns regarding resistance and biomechanical behavior. Therefore, features of an implant-abutment interface are essential to provide successful long-term functional, stable, and esthetic results.

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

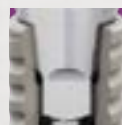
16° Morse Taper connection

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.



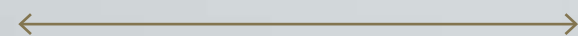
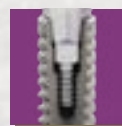
Platform switching

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



Screw-retained interface

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



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).

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. ^[1-4]



FLEXIBILITY FOR IMMEDIATE ESTHETIC OUTCOMES

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

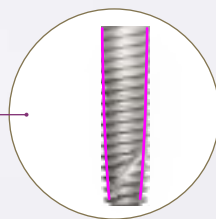
The versatile Neodent® Helix® GM Narrow system combines a Ø2.9mm Helix implant, with a comprehensive prosthetic portfolio to restore cases in limited bone availability and interdental spaces, for immediate esthetic results.

*For immediate load application, the primary stability must be at least 35 N.cm and the patient must present with physiological occlusion.

THE UNBEATABLE VERSATILITY OF HELIX

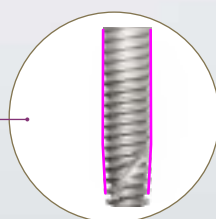
Dynamic progressive thread design

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



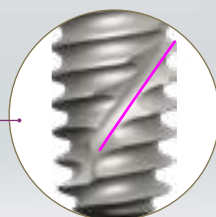
Tapered body design

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



Hybrid contour

- Coronal: Cylindrical;
- Apex: Conical.



Active Apex

- Short tip;
- Helicoidal flutes.



A SOLUTION FOR LIMITED BONE AVAILABILITY IN ALL BONE TYPES

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



COMPREHENSIVE PROSTHETIC PORTFOLIO

The Helix GM Narrow system was designed to offer clinicians greater levels of treatment flexibility with a comprehensive prosthetic portfolio.

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.



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



Multiple-unit screw-retained prosthesis



Multi-unit cement-retained prosthesis



Temporary



Overdenture



Straumann UNIQ™ workflow availability*

Neodent® Helix® GM Narrow Implant Packaging

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

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



Package instruction of use



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

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



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



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



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



5. Take the implant to the surgical cavity.



6. Place the implant to its final position with a maximum torque of 35 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



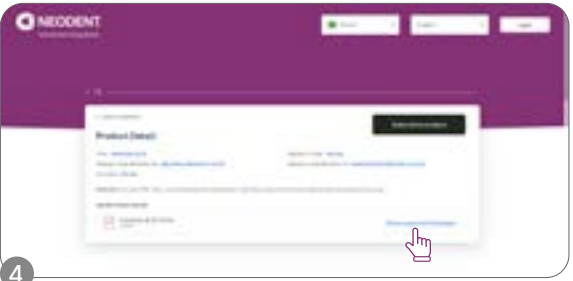
To access the IFU website, enter the address above in your browser.



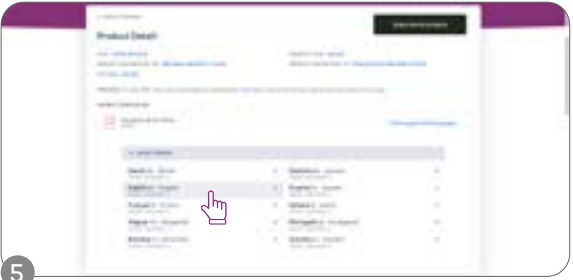
Select the country.



Enter the article number in the search field.



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



Select the language.



Confirm and access the IFU.



Helix[®] GM Narrow

PRODUCT FEATURES:

Implants Description:

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

Applications:

- 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

	Initial 103.586	Ø2.0 10 mm 103.669	Ø2.0 12 mm 103.670	Ø2.0 14 mm 103.671	Ø2.9 10 mm 103.672	Ø2.9 12 mm 103.673	Ø2.9 14 mm 103.674	Countersink 103.675
10 mm	✓	✓			✓			✓
12 mm	✓		✓			✓		✓
14 mm	✓			✓			✓	✓
*Optional / Bone types I and II								
10 mm	✓	✓*						
12 mm	✓		✓*					
14 mm	✓			✓*				
*Optional for bone type III not recommended for bone type IV								

Narrow GM implants of length 10 mm are not recommended for bone type IV.

Drill Sequence for guided surgery

	Mucosa Punch 103.585	Leveling Drill 103.667	Initial 103.668	Ø2.0 10 mm 103.669	Ø2.0 12 mm 103.670	Ø2.0 14 mm 103.671	Ø2.9 10 mm 103.672	Ø2.9 12 mm 103.673	Ø2.9 14 mm 103.674	Countersink 103.675
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										

Narrow GM implants of length 10 mm are not recommended for bone type IV.

Helix[®] GM Narrow Implants

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

NGM Cover Screw

117.024

NGM Healing Abutment

	0.8 106.262	1.5 106.263	2.5 106.264	3.5 106.265	4.5 106.266



NGM Micro Abutment



Single-unit screw-retained prosthesis



Multiple-unit screw-retained prosthesis



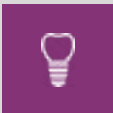
Ø3.5 mm

Recommended for anterior region.

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



NGM Universal Abutment



Single-unit cement-retained prosthesis

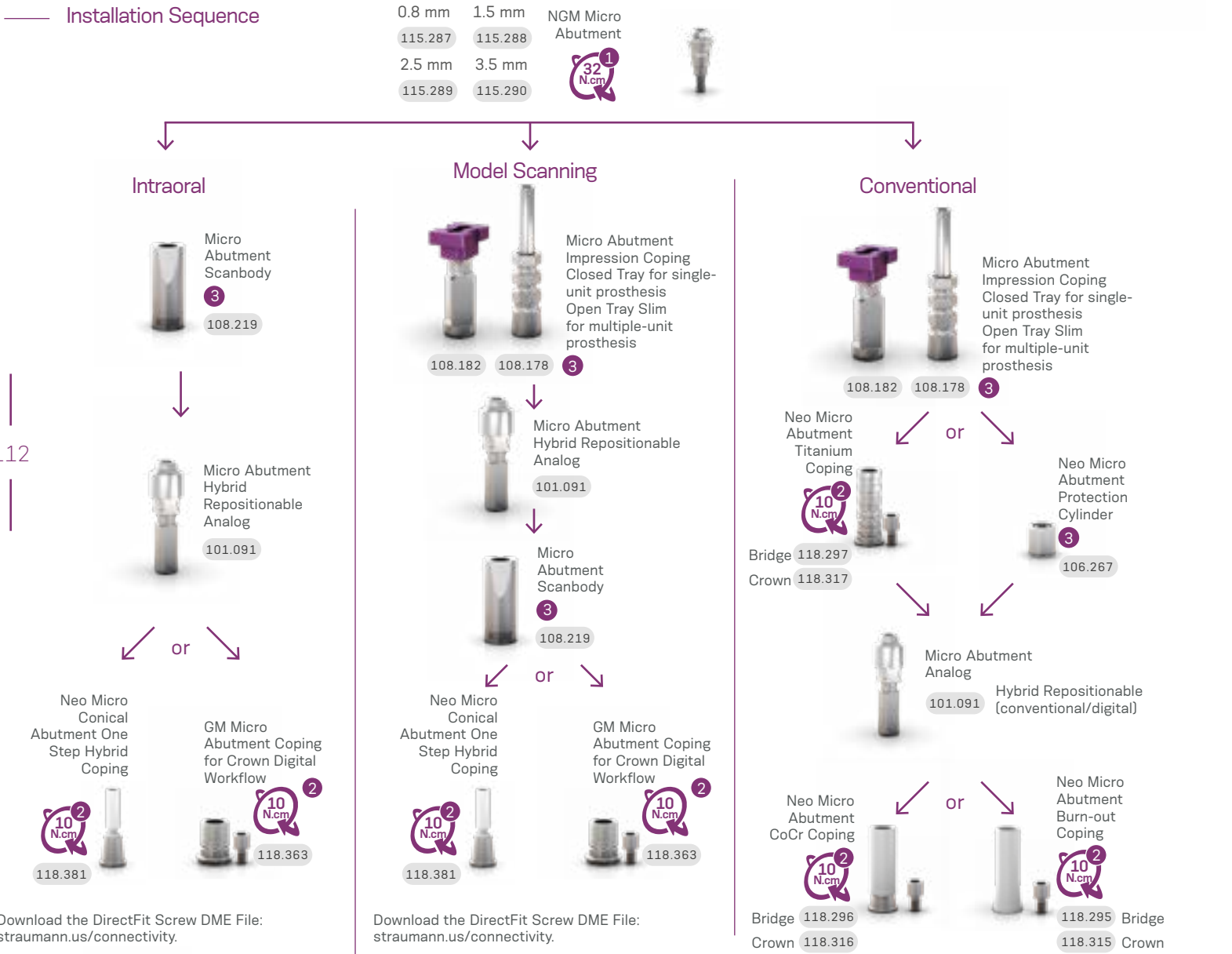


Ø3.3 mm

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



Installation Sequence



112

Installation Sequence



113

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



Drivers

1 Neo Screwdriver Torque Connection + Torque Wrench

Replacement Sterile Screws 116.294 Titanium

NGM Titanium Custom Abutment

NEW
ITEM

- 

Single-unit screw-retained prosthesis
- 

Single-unit cement-retained prosthesis
- 

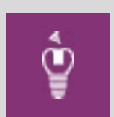
Multiple-unit cement-retained prosthesis
- 

Medentika Holder: Ø11.5
AG Holder: Ø12.0

Screw sold separately.



NGM Titanium Base

- 

Single-unit screw-retained prosthesis
- 

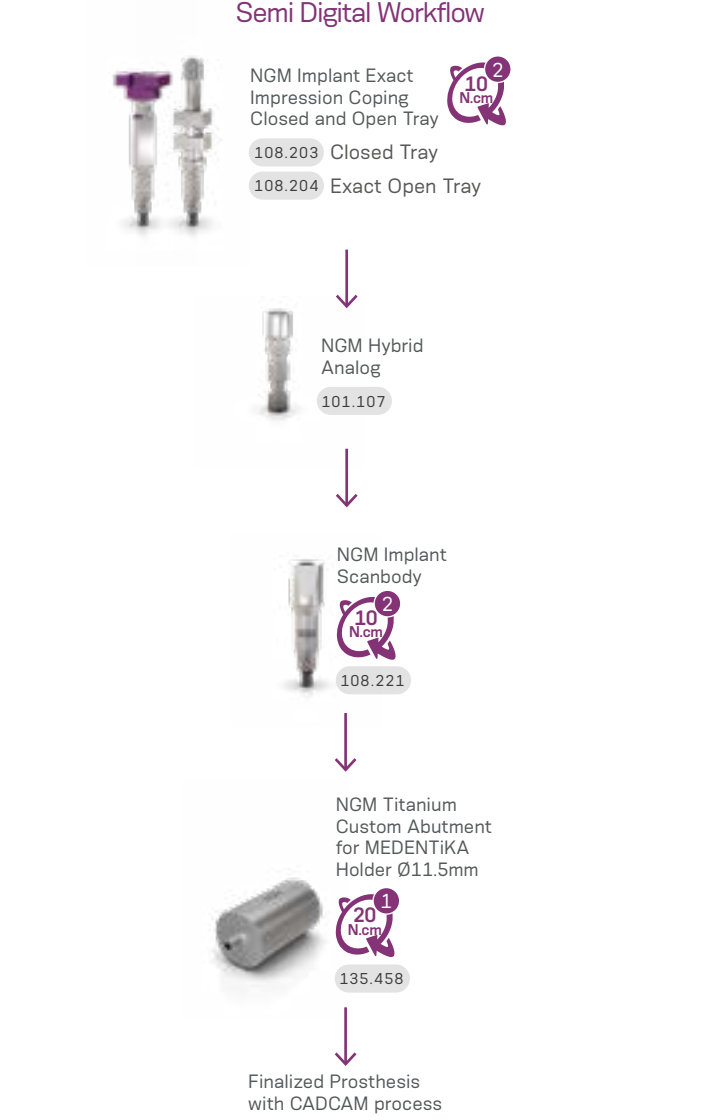
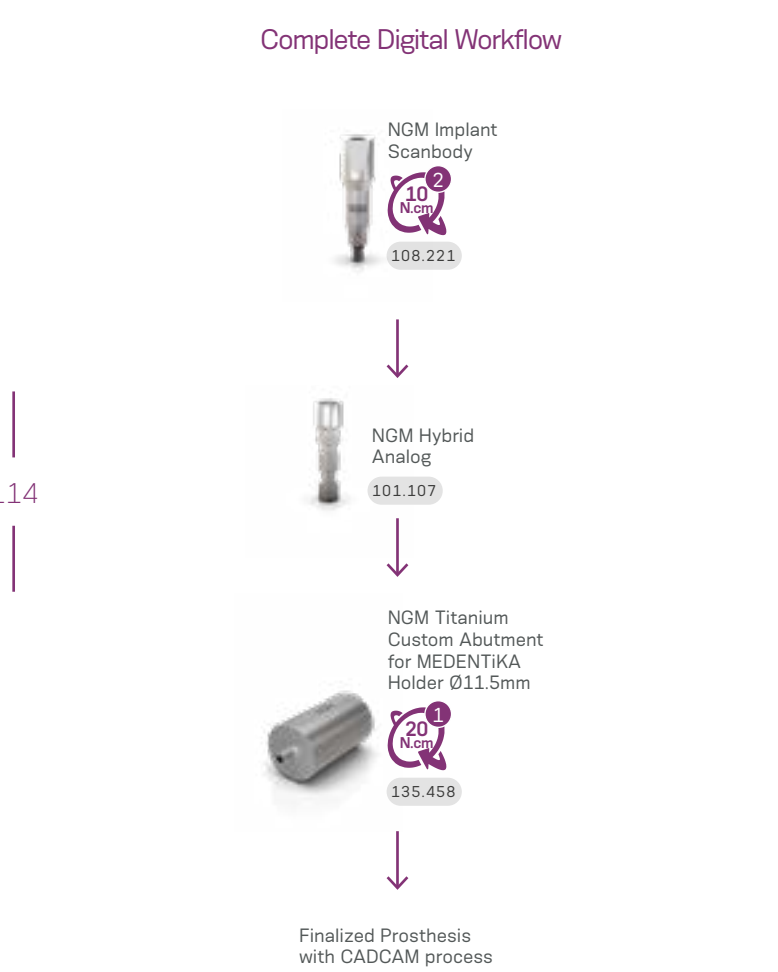
Single-unit cement-retained prosthesis
- 

Ø3.5 mm

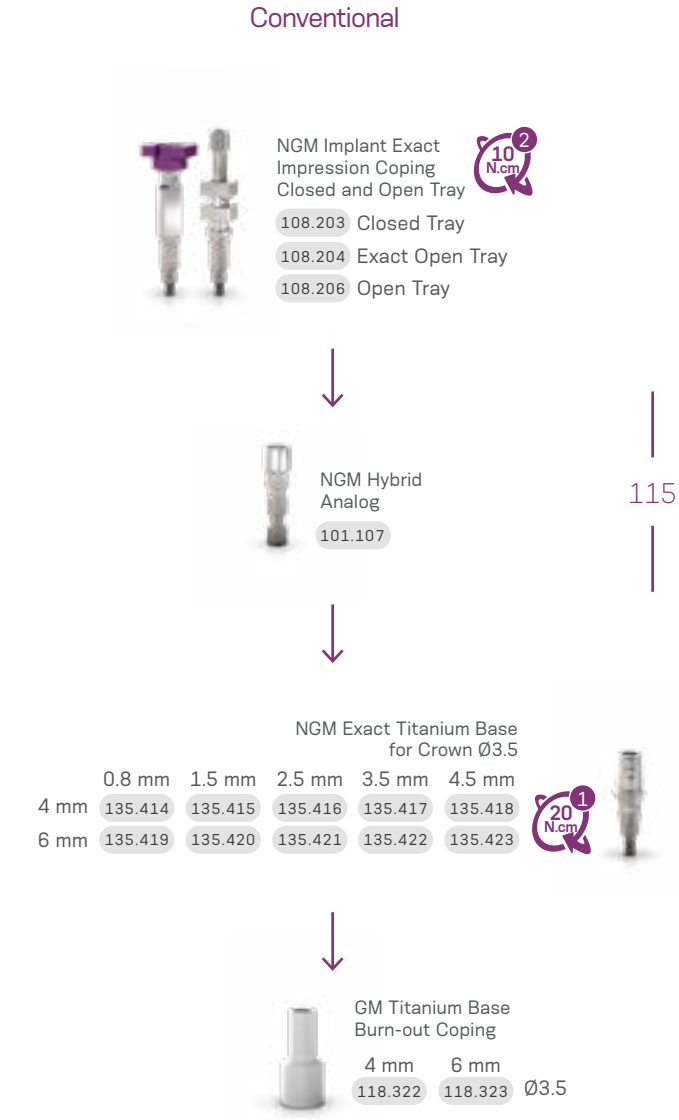
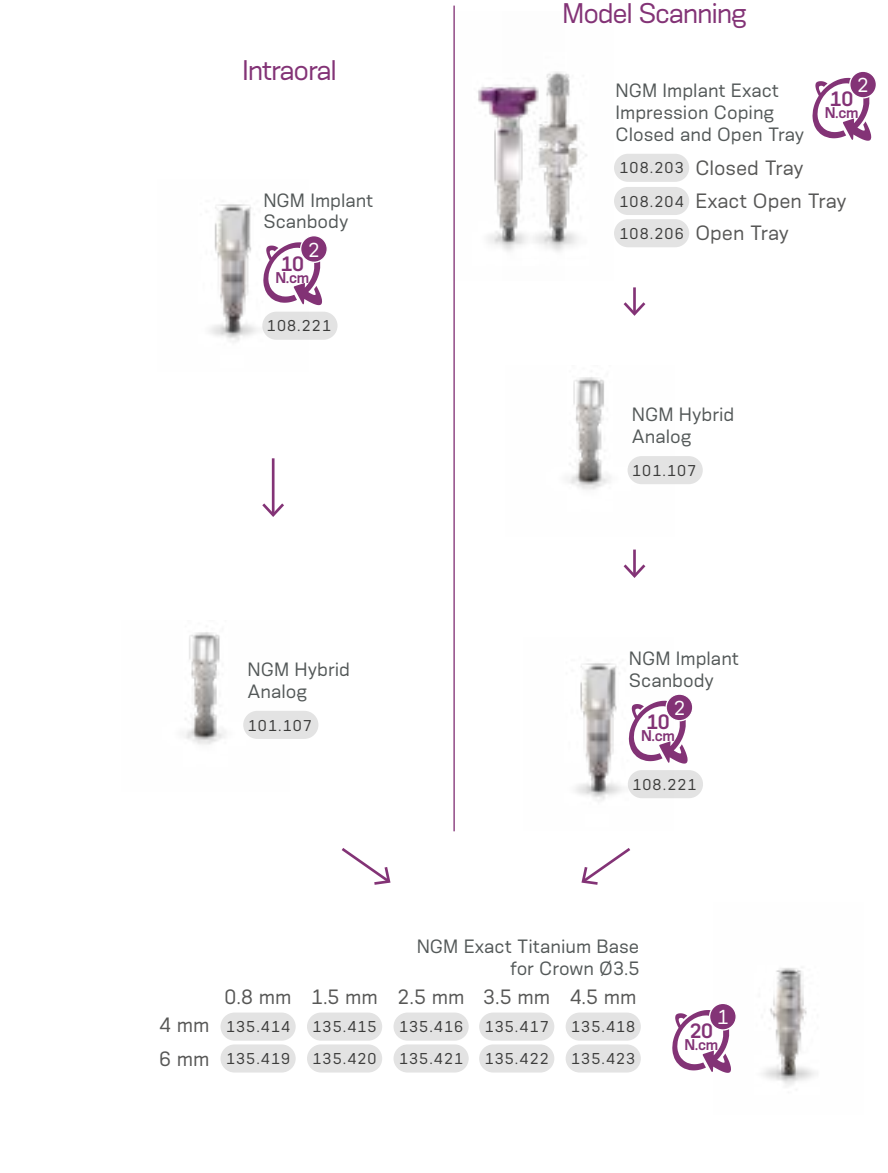
- Customizable up to 4 mm high;
- Cementable area: 6.0 or 4.0 mm;
- Exact;
- Neo Removable screw;



Installation Sequence



Installation Sequence



Drivers



Neo Screwdriver Torque Connection



Torque Wrench



Neo Screwdriver Torque Connection



Manual Screwdriver Torque

Accessories



Replacement Sterile Screws

116.294 Titanium

Note: NGM Titanium custom abutments and replacement screws are ordered through the Straumann UNI!Q™ service.

Drivers



Neo Screwdriver Torque Connection



Torque Wrench



Neo Screwdriver Torque Connection



Manual Screwdriver Torque

Accessories



Replacement Sterile Screws

116.294 Titanium

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;



NGM Attachment TiN*

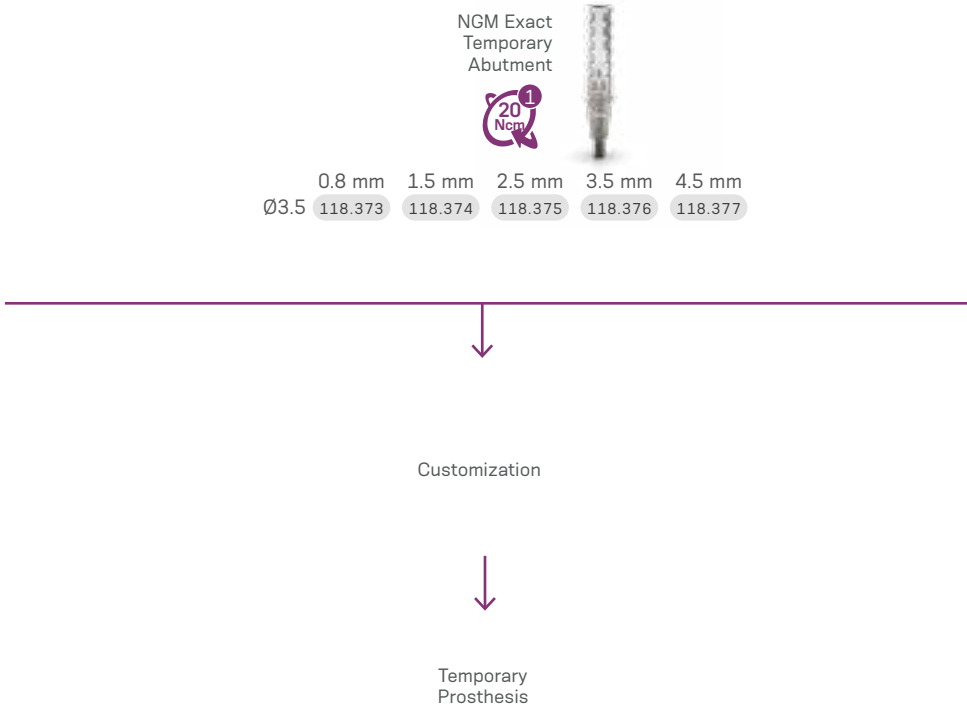


Overdenture

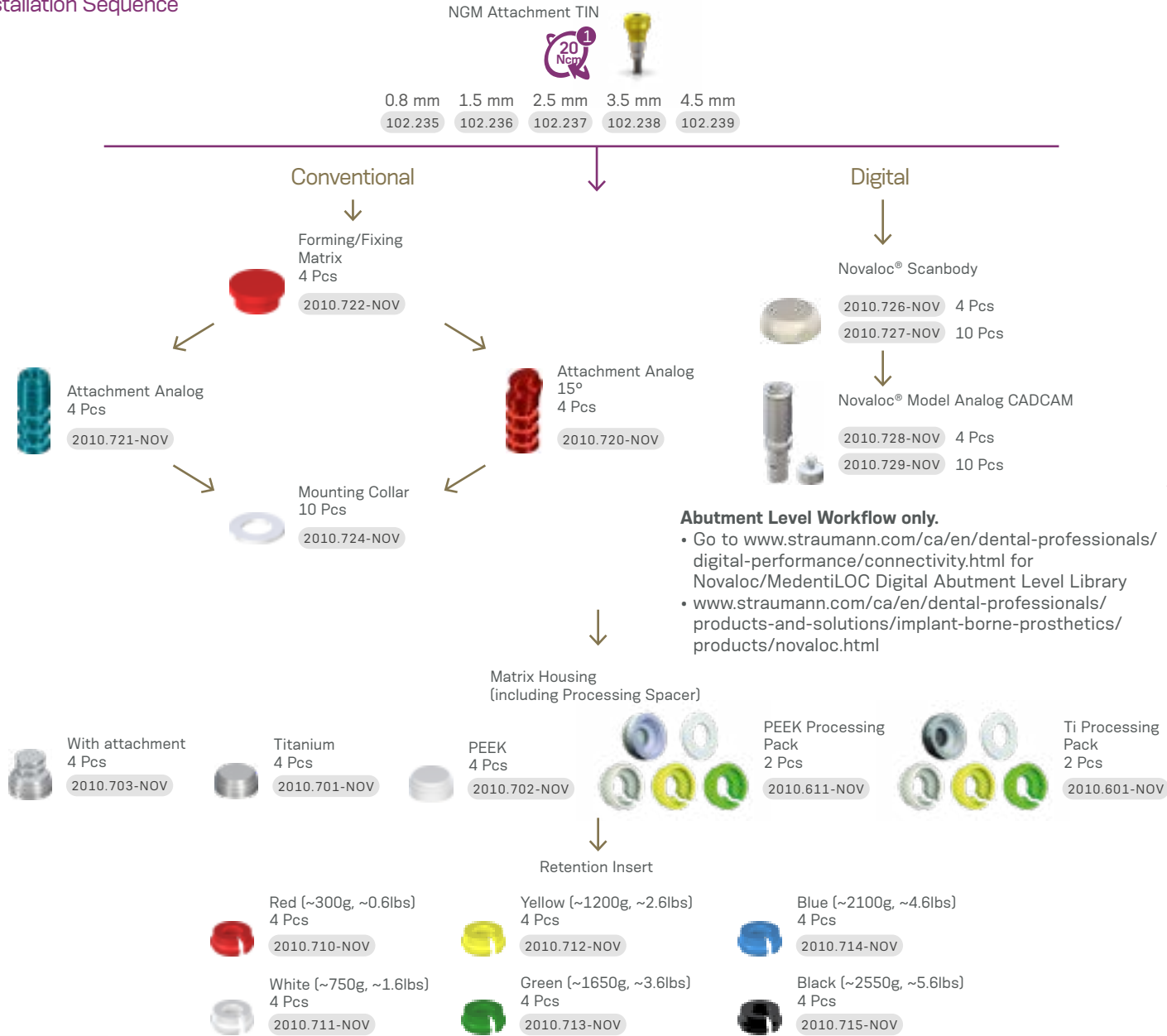


*TiN: Titanium Nitride

Installation Sequence



Installation Sequence



Drivers

1



Neo Screwdriver Torque Connection

+



Torque Wrench

Accessories



Replacement Sterile Screws

116.294 Titanium

Drivers

1



Neo Screwdriver Torque Connection

+



Torque Wrench

Accessories



Equipment Box 2010.101-NOV



Processing Spacer 2010.723-NOV



Mounting Insert 2010.725-NOV



Matrix Housing Extractor 2010.751-NOV



Mounting and Demounting Tool for Retention Inserts 2010.741-NOV



Demounting Tool for Mounting Inserts for Analogs 2010.731-NOV

GM Narrow Kit

GM Narrow Surgical Kit

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



Articles

110.315	Helix® NGM Compact Surgical Kit Case	103.674	NGM Drill 2.9x14 mm
103.585	NGM Guided Surgery Mucosa Punch	103.675	NGM Countersink Drill
103.586	NGM Initial Drill	104.050	Torque Wrench
103.667	NGM Guided Surgery Bone Levelling Drill	104.060	Neo Manual Screwdriver (Medium)
103.668	NGM Guided Surgery Initial Drill	105.132	Neo Screwdriver Torque Connection
103.669	NGM Drill 2.0x10 mm	105.137	Hexagonal Prosthetic Driver
103.670	NGM Drill 2.0x12 mm	105.165	NGM Implant Driver For Contra-angle
103.671	NGM Drill 2.0x14 mm	105.166	NGM Implant Driver For Torque Wrench
103.672	NGM Drill 2.9x10 mm	128.036	NGM Height Measurer
103.673	NGM Drill 2.9x12 mm	129.035	Helix NGM X-ray Positioner

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



GM Narrow Instruments



NGM Guided Surgery Mucosa Punch

103.585



NGM Guided Surgery Bone Levelling Drill

103.667



NGM Guided Surgery Initial Drill

103.668



NGM Initial Drill

103.586



NGM Tapered Drills

- 103.669 Ø2.0 x 10mm
- 103.670 Ø2.0 x 12mm
- 103.671 Ø2.0 x 14mm
- 103.672 Ø2.9 x 10mm
- 103.673 Ø2.9 x 12mm
- 103.674 Ø2.9 x 14mm



NGM Countersink Drill

103.675



NGM Implant Driver - Contra Angle

105.165



NGM Implant Driver - Torque Wrench

- 105.166 Regular
- 105.181 Extra Long



NGM Height Measurer

128.036



Helix® NGM X-ray Positioner

129.035



Neo Manual Screwdriver

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

Medium
25 mm

104.060



Neo Screwdriver Torque Connection - Torque Wrench

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

Medium
22 mm

105.132



Hexagonal Prosthetic Driver

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

Torque Wrench Regular	Torque Wrench Short	Torque Wrench Regular with Screw	Torque Wrench Long
105.137	105.044	105.009	105.182



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



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.

TREATMENT FLEXIBILITY

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



Ø3.75 mm
10.0 mm
11.5 mm
13 mm

Indicated for incisors and canines.



Ø4.3 mm
10.0 mm
11.5 mm
13 mm

Indicated for incisors and canines*.

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.

*Warning small diameter implants and angled abutments are not recommended for the posterior region.





A new **stability mindset**

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

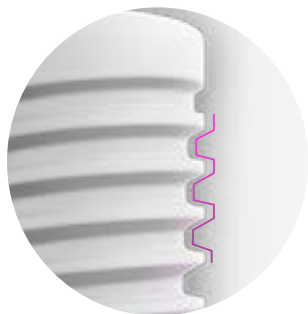
ZILOCK® CONNECTION

ZiLock® is a ceramic internal connection with 6 rounded lobes. This indexation results in a precise abutment positioning, protecting against rotation. Designed with a longer screw which provides a secure engagement between the ceramic implant and the ceramic abutment.



TAPERED DESIGN FOR PRIMARY STABILITY

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



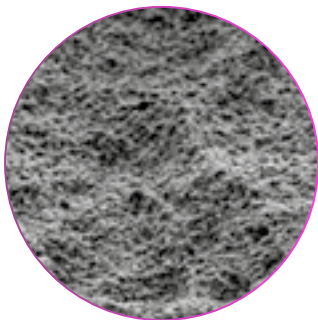
Double trapezoidal thread design.



Apically tapered with chamber flutes.

PREDICTABILITY WITH SAND-BLASTED AND ACID-ETCHED SURFACE

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



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



A new **esthetic mindset**

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

OUTSTANDING ESTHETIC PERFORMANCE

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

A PORTFOLIO TO ACHIEVE NATURAL-LOOKING ESTHETIC RESULTS

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



HEALING ABUTMENT

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



CONVENTIONAL WORKFLOW

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



DIGITAL WORKFLOW

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



Zi Implant

PRODUCT FEATURES:

Implants Description:

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

Applications:

- 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 for conventional surgery

							
	103.170	103.683 L11.5 103.684 L13 103.685	103.686 L11.5 103.687 L13 103.688	103.689 L11.5 103.690 L13 103.691	103.692 L11.5 103.693 L13 103.694	111.053	111.052
Ø3.75 mm	✓*	✓	✓	✓		✓	
Ø4.3 mm	✓*	✓	✓	✓	✓		✓
Ø3.75 mm	✓*	✓	✓	✓			
Ø4.3 mm	✓*	✓	✓	✓	✓		
Ø3.75 mm	✓*	✓	✓				
Ø4.3 mm	✓*	✓	✓	✓			

*Optional

 Bone types I and II

 Bone type III

 Bone type IV

Drill Sequence for guided surgery

											
	103.695	103.696	103.680	103.681	103.682	103.683 L11.5 103.684 L13 103.685	103.686 L11.5 103.687 L13 103.688	103.689 L11.5 103.690 L13 103.691	103.692 L11.5 103.693 L13 103.694	111.053	111.052
Ø3.75 mm	✓*		✓*		✓	✓	✓	✓		✓	
Ø4.3 mm		✓*		✓*	✓	✓	✓	✓	✓		✓
Ø3.75 mm	✓*		✓*		✓	✓	✓	✓			
Ø4.3 mm		✓*		✓*	✓	✓	✓	✓	✓		
Ø3.75 mm	✓*		✓*		✓	✓	✓				
Ø4.3 mm		✓*		✓*	✓	✓	✓	✓			

*Optional

 Bone types I and II

 Bone type III

 Bone type IV

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

Zi Implants

	10.0 mm	11.5 mm	13.0 mm		10.0 mm	11.5 mm	13.0 mm
Ø3.75							
	180.002	180.003	180.004		180.006	180.007	180.008

Zi Cover Screw

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

Zi Healing Abutments

	Profile	1.5 mm	2.5 mm	3.5 mm	4.5 mm
Ø3.75		106.233	106.234	106.274	106.275
Ø4.5		106.235	106.236	106.276	106.277
:: Use the manual Neo Screwdriver (104.060);					
:: Do not exceed the insertion torque of 10 Ncm.					



Neodent Zi Implant Packaging

Neodent® packaging has been specially updated for easy handling, 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

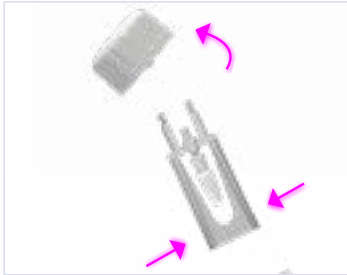


1. The cardboard and blister packagings must be opened, manually, without the use of sterile gloves. Break the seal of the cardboard packaging and remove the blister. Open the blister pack. Deposit the sterile flask over the surgical field.

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



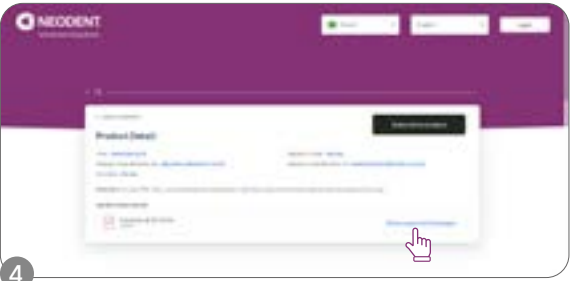
1 To access the IFU website, enter the address above in your browser.



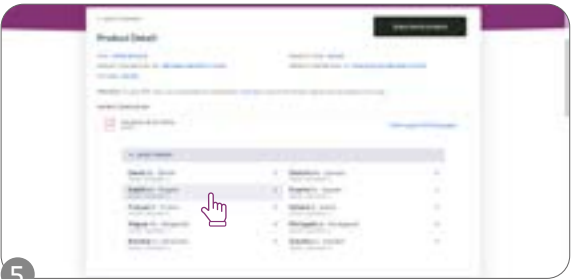
2 Select the country.



3 Enter the article number in the search field.



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



5 Select the language.



6 Confirm and access the IFU.



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, 3.5 & 4.5 mm;

ZiLock™ connection;

Removable screw.



Installation Sequence



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

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;

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

ZiLock™ connection;

Removable screw.



Installation Sequence

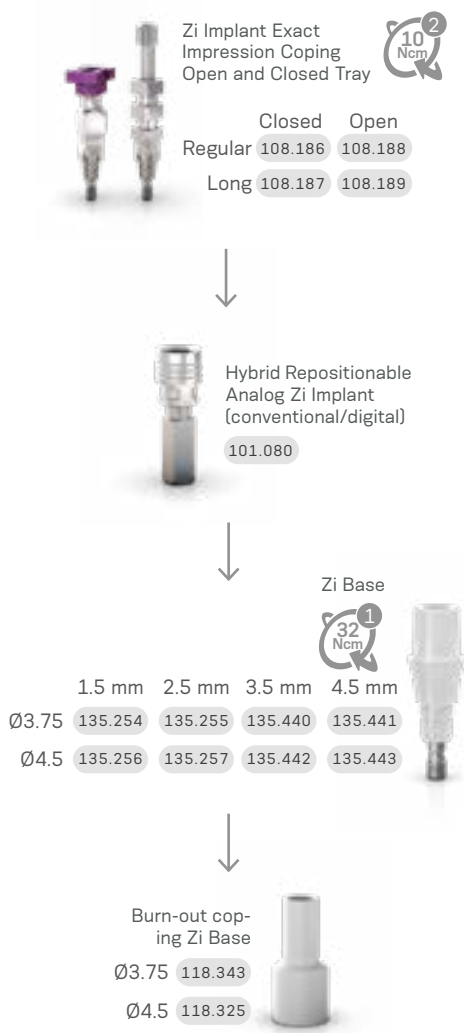
Intraoral scanning



Model Scanning



Conventional



Drivers

1



Neo Screwdriver Torque Connection

+



Torque Wrench

Drivers

1



Neo Screwdriver Torque Connection

+



Torque Wrench

2



Neo Screwdriver Torque Connection

+



Manual Screwdriver Torque

Accessories



Abutment replacement screw

116.289



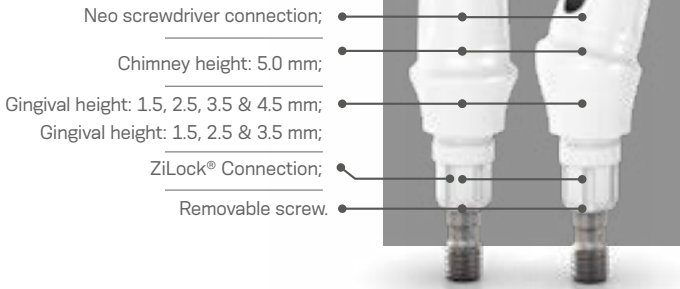
Zi CR Abutment



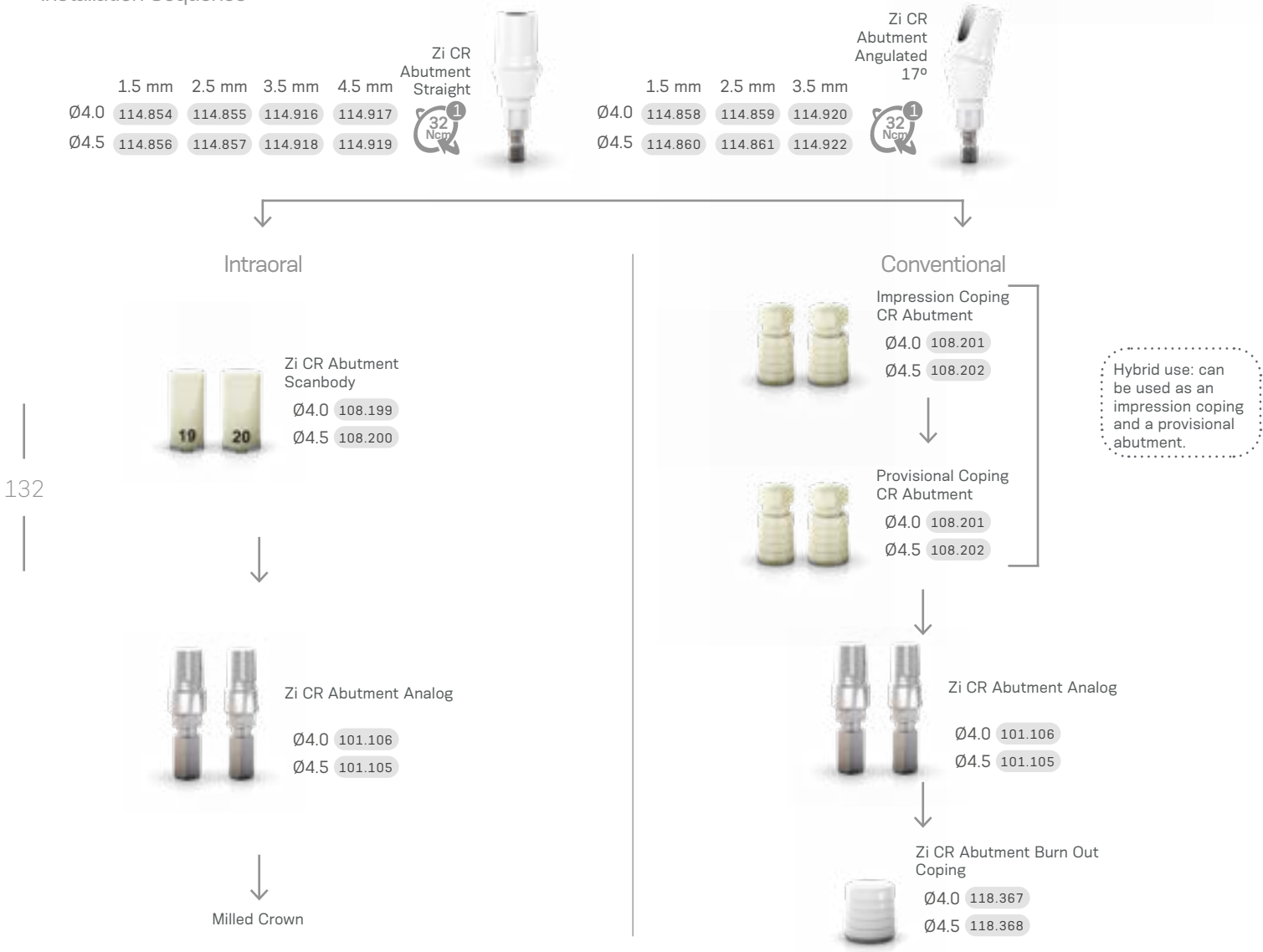
Single-unit
cement-
retained
prosthesis



Ø4.0/4.5 mm



Installation Sequence



Drivers



Accessories



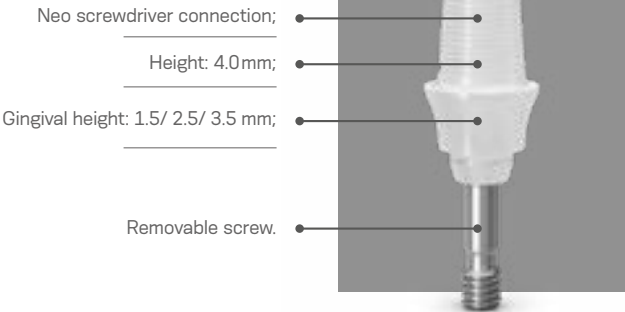
Zi Base Bridge
(centralized production)



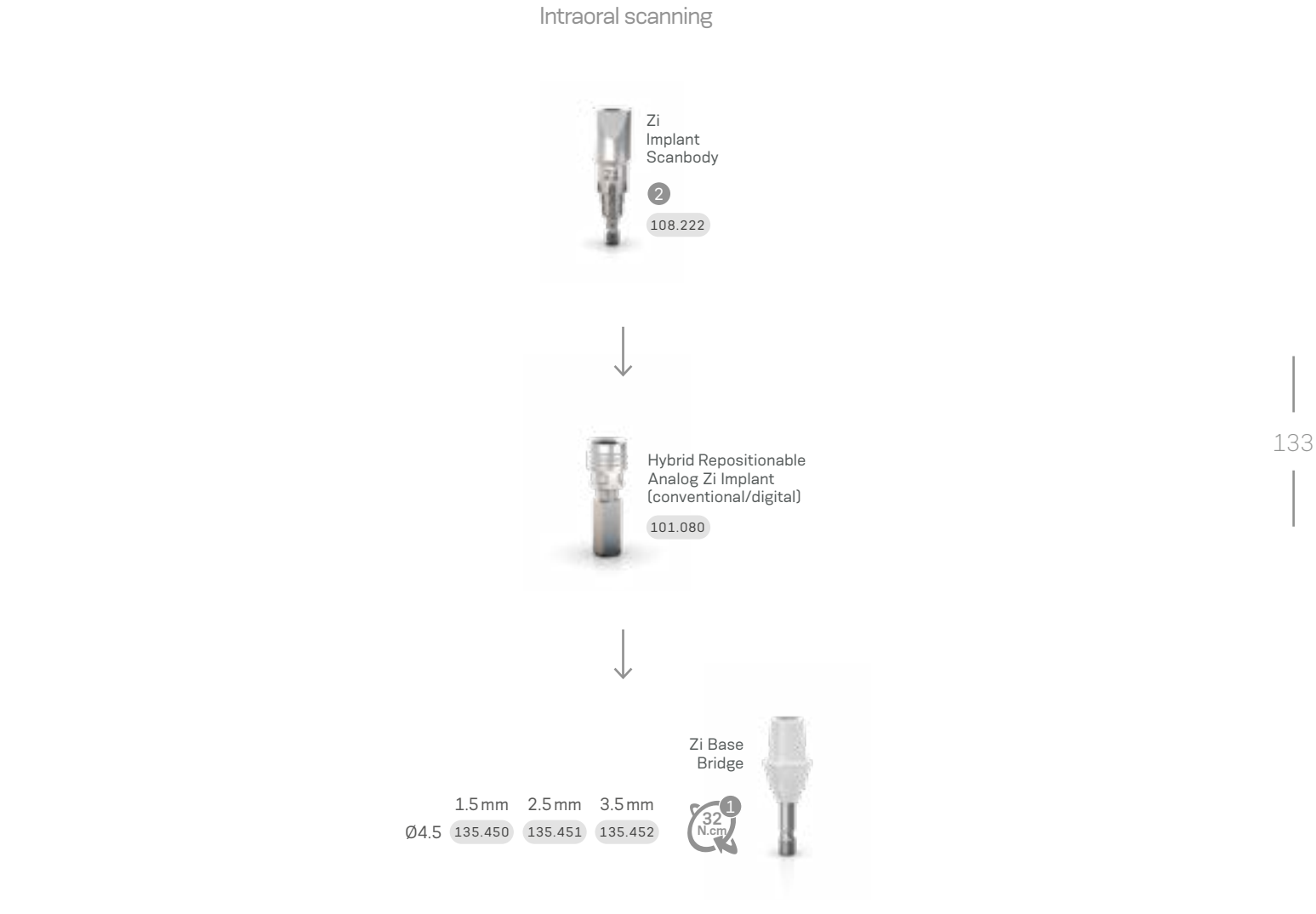
Multiple-unit
screw-retained
prosthesis



4,5mm



Installation Sequence



Drivers



Accessories



Zi Guided Surgery: Supporting Precision and Predictability

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

Clinical literature reports the degree of precision obtained when placing dental implants in partially edentulous patients with guided surgery techniques is greater than with freehand surgery.*



The Neodent® Zi Implant System offers a guided surgery technique.

*Araujo-Corchado, E., & Pardal-Peláez, B. (2022). Computer-guided surgery for dental implant placement: a systematic review. Prosthesis, 4(4), 540-553.



PREDICTABILITY
Advanced planning and guided protocol to support achievement of the desired clinical outcome.



PRECISION
Advanced planning and guided protocol to support achievement of the desired clinical outcome.

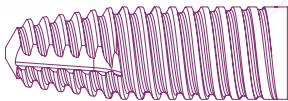


EFFICIENCY
Reduced need for decision-making during the surgical protocol.



Efficient and adaptable
with no need for multiple kits

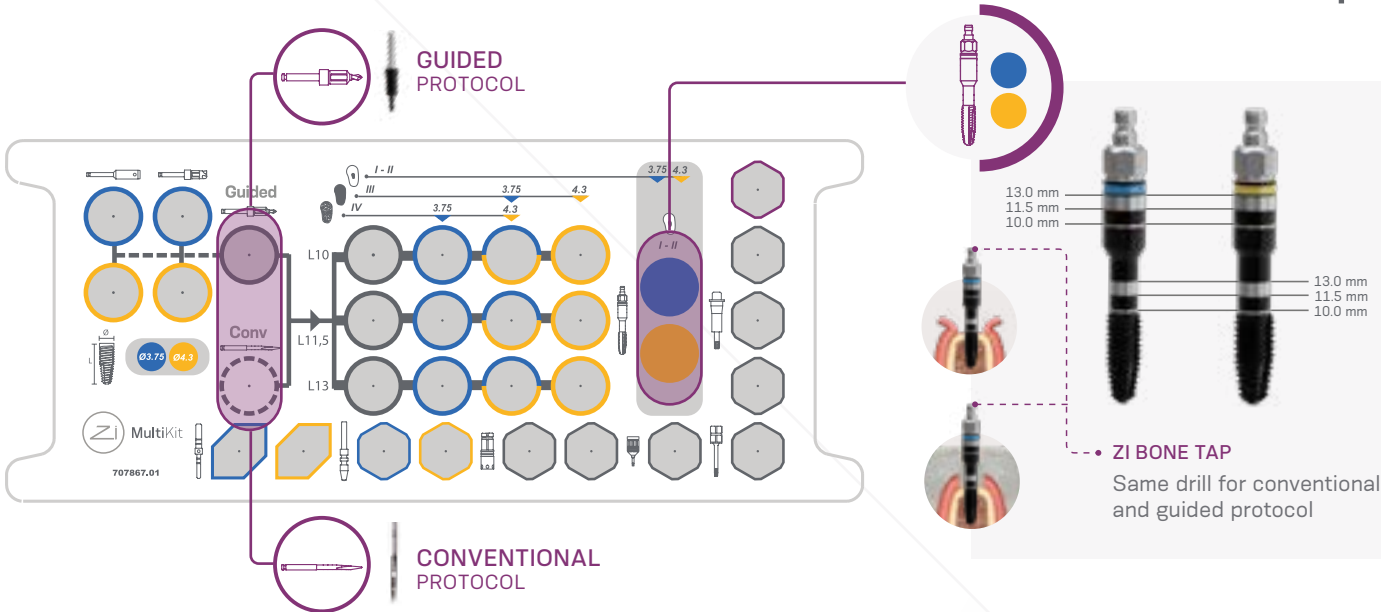
The new Neodent® Zi MultiKit™ is an all-in-one kit designed for both conventional and guided protocols, allowing an organized, efficient, and adaptable surgical environment.



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

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

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



Zi Implant System Kit

Zi MultiKit

Autoclavable polymer case.

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



Articles

- 110.337

Zi MultiKit Case
- 103.682

Zi Initial Drill for Guided Surgery
- 103.170

Initial Drill
- 103.680

Zi Bone Levelling Drill 3.75
- 103.681

Zi Bone Levelling Drill 4.3
- 103.683

Zi Tapered Drill 2.0x10
- 103.684

Zi Tapered Drill 2.0x11.5
- 103.685

Zi Tapered Drill 2.0x13
- 103.686

Zi Tapered Drill 3.75x10
- 103.687

Zi Tapered Drill 3.75x11.5
- 103.688

Zi Tapered Drill 3.75x13
- 103.689

Zi Tapered Drill 3.75/4.3x10
- 103.690

Zi Tapered Drill 3.75/4.3x11.5
- 103.691

Zi Tapered Drill 3.75/4.3x13
- 103.692

Zi Tapered Drill 4.3x10
- 103.693

Zi Tapered Drill 4.3x11.5
- 103.694

Zi Tapered Drill 4.3x13
- 111.053

Zi Bone Tap 3.75
- 111.052

Zi Bone Tap 4.3
- 103.395

Guided Surgery Drill 1.3
- 103.695

Zi Mucosa Punch 3.75
- 103.696

Zi Mucosa Punch 4.3
- 105.174

Zi Driver for Torque Wrench
- 105.175

Zi Driver for Contra-angle
- 105.132

Neo Screwdriver Torque Connection
- 104.060

Neo Manual Screwdriver
- 125.210

Zi Palatal Setter
- 103.665

Drill Palatal Setter
- 125.142

Guide Clamp
- 129.034

Depth Probe
- 125.209

Zi Guide Estabilizer for Guided Surgery
- 128.020

Direction Indicator 3.75
- 128.022

Direction Indicator 4.3
- 129.020

Tapered X-ray Positioner 3.75
- 129.013

Tapered X-ray Positioner 4.3
- 104.050

Torque Wrench
- 125.211

Zi Transfer Piece Remover

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



Zi Ceramic Implant System Instruments



Initial Drill

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

103.170	Convetional
103.682	Guided



Neo Manual Screwdriver

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

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



Tapered Drills

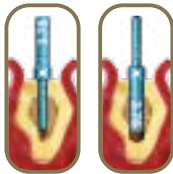
- :: Available in surgical steel;
- :: Drill sequence for Zi Implants.

103.683	Zi Tapered Drill Ø2.0X10
103.684	Tapered Drill Ø2.0X11.5
103.685	Tapered Drill Ø2.0X13
103.686	Tapered Drill Ø3.75X10
103.687	Tapered Drill (short) Ø3.75X11.5
103.688	Tapered Drill (long) Ø3.75X13
103.689	Tapered Drill (short) Ø3.75/4.3X10
103.690	Tapered Drill (long) Ø3.75/4.3X11.5
103.691	Tapered Drill (short) Ø3.75/4.3X13
103.692	Tapered Drill (Long) Ø4.3X10
103.693	Tapered Drill (short) Ø4.3X11.5
103.694	Tapered Drill (Long) Ø4.3X13



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



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



Tapered X-Ray Positioner

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

Ø3.75	Ø4.3
129.020	129.013



Bone Tap

- :: Available in surgical steel;

111.053	Ø3.75
111.052	Ø4.3



Zi Mucosa Punches

- :: To remove the mucosa before beginning the osteotomy.

Ø3.75	Ø4.3
103.695	103.696



Neo Screwdriver Torque Connection - Torque Wrench

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

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



Bone Leveling Drills

- :: Available in stainless steel;
- Identification through coloring for the different installation diameters of implants in ink canals;
- :: For flattening bone surface before osteotomy.

Ø3.75	Ø4.3
103.680	103.681





Palatal Setter

:: Drill and Palatal Setter available in stainless steel;
:: Maximum torque of 20 Ncm.

Drill 103.665 Palatal Setter 125.210



Zi Guide Stabilizer for Guided Surgery

:: Application torque: 10 Ncm;
:: Titanium alloy.

125.209



Zi Transfer Piece Remover

:: Compatibility with the cervical portion of Zi implants.

125.211



Zi Driver for Torque Wrench

:: Blue and Yellow for identification coloring for the Implant Drivers;
:: Maximum recommended torque: 60 Ncm.

Regular 105.174 Long 105.018



Driver for Contra-angle

:: Blue and Yellow for identification coloring for the Implant Drivers;
:: Maximum recommended torque: 35 Ncm;

105.175

Sleeves



Zi Guided Surgery Sleeve Peek (10 un)

125.208



Sleeve for Palatal Setter (10 un)

125.177



Sleeve for Fixation Clamp (10 un)

125.143



Zi Bone Profile Drill with Guide

:: Available in surgical steel;
:: Used in the second surgical step;
:: Contours the bone around the implant platform, preparing the emergence profile to be suitable for abutments.

103.428

Reamer for Surgical Guide

:: Tip for guide: cutting diameter Ø4.55 mm;
:: Tip for sleeve: cutting diameter Ø5.35 mm.



Holder 125.212



125.213 Zi Tip for guide, reamer for surgical guide



125.214 Zi Tip for sleeve, reamer for surgical guide

Depth Probe

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



129.034

Torque Wrench

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



104.050

Replacement items for Zi Conventional Kit



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

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



Countersink Drills

:: Available in surgical steel;

103.609 Ø3.75
103.610 Ø4.3



Bone Tap

:: Available in surgical steel;

111.049 Ø3.75
111.050 Ø4.3



Drill Extension

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

103.426



Neodent® Biomaterials

Everything you need for GBR

Neodent offers a wide assortment of biomaterials including allograft, and collagen barriers.

➤ Neodent® AlloGraft

Bone substitute: Processed human allograft

Neodent AlloGraft is an established and reliable alternative to autologous bone. AlloGraft is processed by LifeNet Health®, the worldwide leading tissue bank and organ procurement organization. It's the trusted bone regeneration solution most similar to a patient's own bone that provides a strong start and greater confidence for you and your patients.

Manufactured by: LifeNet Health



➤ Membrane Flex™

Porcine collagen membrane

Membrane Flex provides flexibility and strength in an easy-to-handle, easy-to-suture barrier for soft tissue support and graft containment. It can be placed dry or hydrated, and can be easily repositioned for precise placement.

Manufactured by: Collagen Matrix, Inc.



➤ Straumann SocketPlug

SocketPlug offers clinicians a quick and simple way to support socket preservation in cases where traditional bone grafting is not an ideal treatment plan



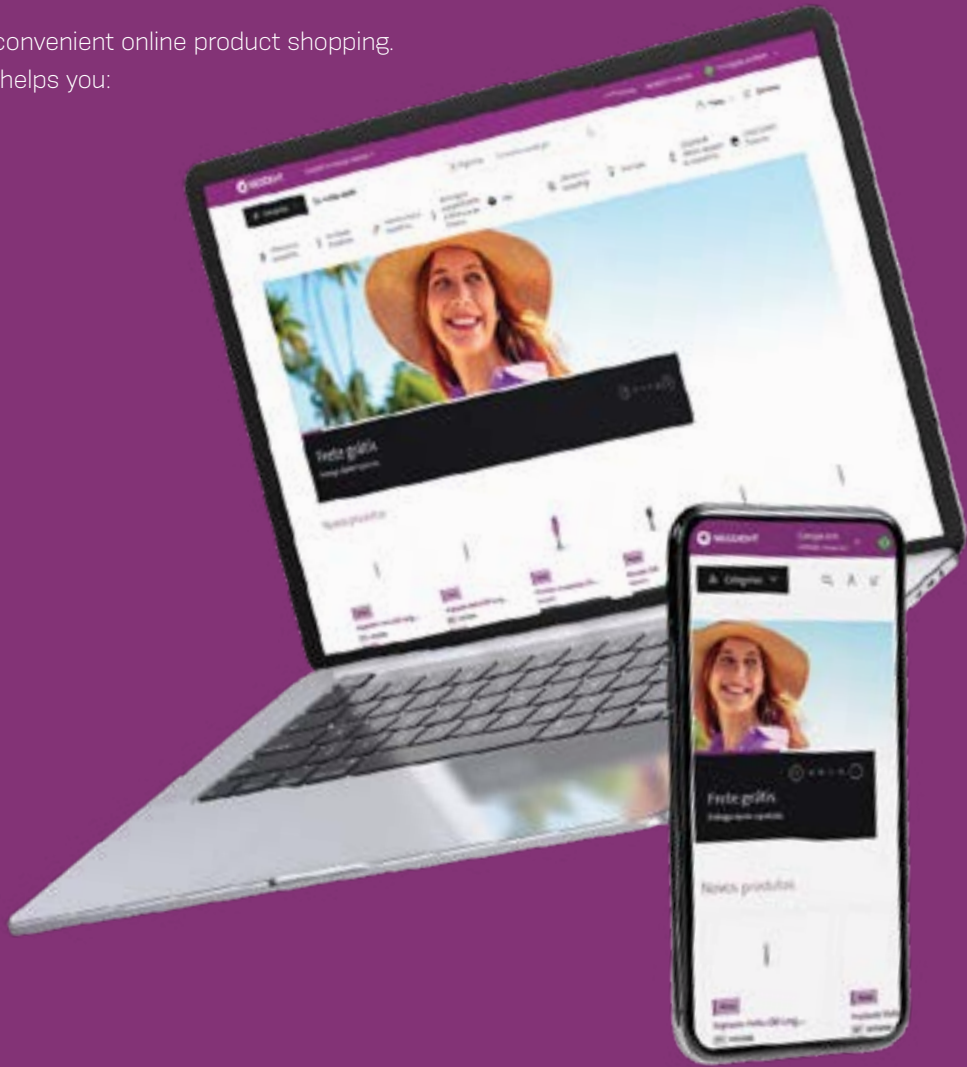
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References

(1) Novellino MM, Sesma N, Zanardi PR, Laganá DC. Resonance frequency analysis of dental implants placed at the posterior maxilla varying the surface treatment only: A randomized clinical trial. Clin Implant Dent Relat Res. 2017 Jun 20. doi: 10.1111/cid.12510. [Epub aheadof print]

(2) Sartoretto SC, Alves AT, Resende RF, et al. Early osseointegration driven by the surface chemistry and wettability of dental implants. J Appl Oral Sci. 2015 May-Jun;23(3):279-87.

(3) Sartoretto SC, Alves AT, Zarranz L, et al. Hydrophilic surface of Ti6Al4V-ELI alloy improves the early bone apposition of sheep tibia. Clin Oral Implants Res. 2016 Jun 17. doi: 10.1111/clr.12894. [Epub ahead of print]

(4) Val JE, Gómez-Moreno G, Ruiz-Linares M, et al. Effects of Surface Treatment Modification and Implant Design in Implants Placed Crestal and Subcrestally Applying Delayed Loading Protocol. J Craniofac Surg. 2017 Mar;28(2):552-558.

(5) Al-Nsour MM, Chan HL, Wang HL. Effect of the platform- switching technique on preservation of peri-implant marginal bone: a systematic review. Int J Oral Maxillofac Implants. 2012 Jan-Feb;27(1):138-45.

(6) Annibali S, Bignozzi I, Cristalli MP, et al. Peri-implant marginal bone level: a systematic review and meta-analysis of studies comparing platform switching versus conventionally restored implants. J Clin Periodontol. 2012 Nov;39(11):1097-113.

(7) Hsu YT, Lin GH, Wang HL. Effects of Platform-Switching on Peri-implant Soft and Hard Tissue Outcomes: A Systematic Review and Meta-analysis. Int J Oral Maxillofac Implants. 2017;32(1):e9-e24.

(8) Lazzara RJ, Porter SS. Platform switching: a new concept in implant dentistry for controlling postrestorative crestal bone levels. Int J Periodontics Restorative Dentistry. 2006 Feb;26(1):9-17.

(9) Rocha S, Wagner W, Wiltfang J, Nicolau P, Moergel M, Messias A, Behrens E, Guerra F. Effect of platform switching on crestal bone levels around implants in the posterior mandible: 3 years results from a multicentre randomized clinical trial. J Clin Periodontol. 2016 Apr;43(4):374-82.

(10) Babbush CA. Post treatment quantification of patient experiences with full arch implant treatment using a modification of the OHIP-14 questionnaire. J Oral Implantol. 2012 Jun;38(3):251-60.

(11) Block MS, Haggerty CJ, Fisher GR. Nongrafting implant options for restoration of the edentulous maxilla. J Oral Maxillofac Surg 2009;67:872–881.

(12) Steigenga J, Al-Shammari K, Misch C, Nociti FH Jr, Wang HL. Effects of implant thread geometry on percentage of osseointegration and resistance to reverse torque in the tibia of rabbits. J Periodontol. 2004;75(9):1233-41.

(13) Carvajal Mejía JB, Wakabayashi K, Nakano T, Yatani H. Marginal Bone Loss Around Dental Implants Inserted with Static Computer Assistance in Healed Sites: A Systematic Review and Metaanalysis. Int J Oral Maxillofac Implants. 2016 Jul-Aug;31(4):761-75.1.

(14) Pozzi A, Tallarico M, Marchetti M, Scarfò B, Esposito M. Computer-guided versus free-hand placement of immediately loaded dental implants: 1-year post-loading results of a multicentre randomized controlled trial. Eur J Oral Implantol. 2014 Autumn;7(3):229-42.

(15) Hultin M, Svensson KG, Trulsson M. Clinical advantages of computer-guided implant placement: a systematic review. Clin Oral Implants Res. 2012 Oct;23 Suppl 6:124-35.

(16) Soares MM, Harari ND, Cardoso ES, et al. An in vitro model to evaluate the accuracy of guided surgery systems. Int J Oral Maxillofac Implants. 2012 Jul-Aug;27(4):824-31.

(17) Pozzi A, Polizzi G, Moy PK. Guided surgery with tooth-supported templates for single missing teeth: a critical review. Eur J Oral Implantol. 2016;9(1)135-53.

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