

CATALOG • 2025

VOLUME 01



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

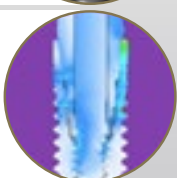
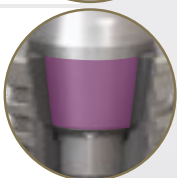
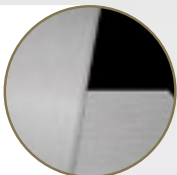
Designed to ensure tight fit for an optimal connection sealing.

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



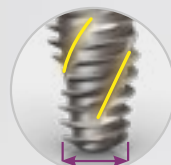
Hybrid contour

- 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.



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

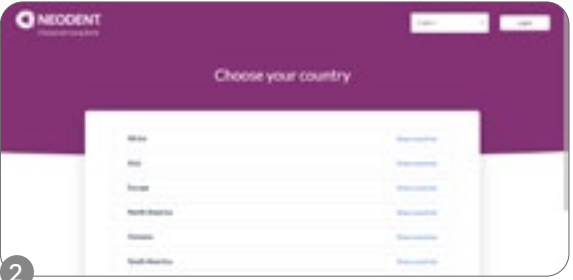
Neodent® innovates once more, providing an on-line platform designed to provide quick and practical use of its own products instructions: the e-IFU (Instructions For Use) website.

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



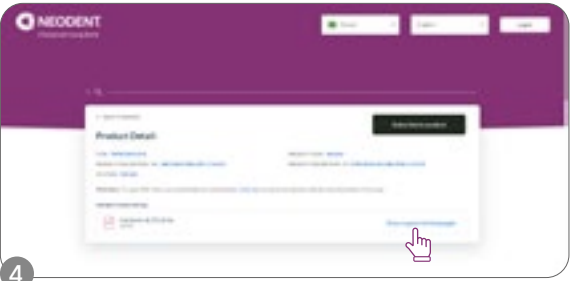
1 To access the IFU website, enter the address above in your browser.



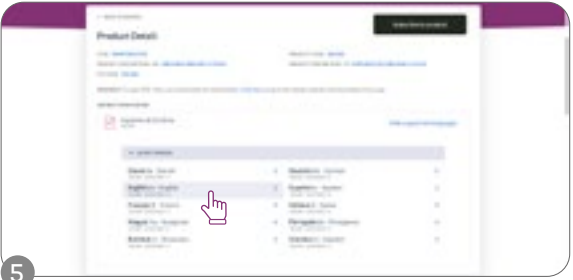
2 Select the country.



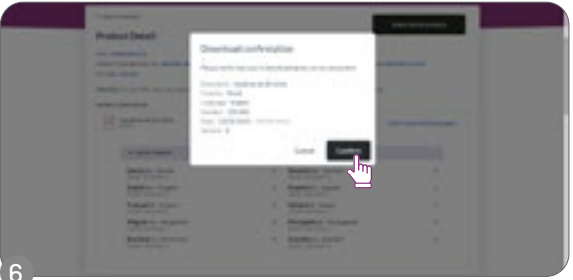
3 Enter the article number in the search field.



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



5 Select the language.



6 Confirm and access the IFU.



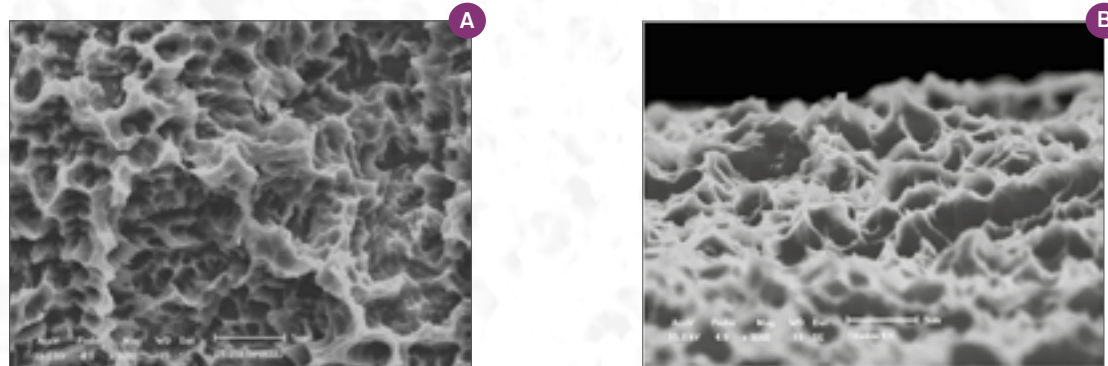
NeoPoros

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 guaranteed due to automated time, speed, pressure and particle size control.

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



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

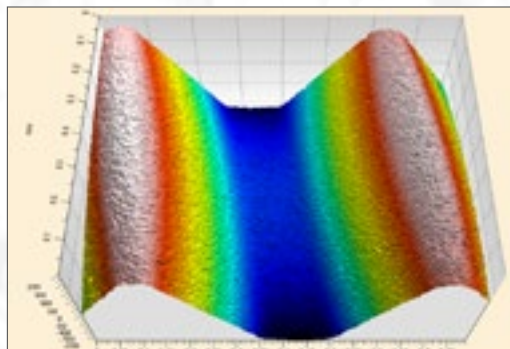


Image taken by confocal microscopy.
Roughness and Microtopography.
(Sa= 0.3 - 1.3 µm; Sz= 6.0 - 15.5 µm).

acqua®

ACQUA Hydrophilic Surface
designed for high treatment
predictability.

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

Hydrophilicity

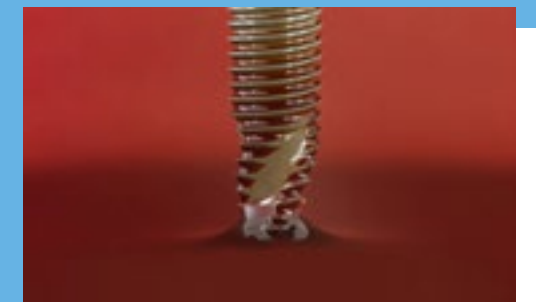
The hydrophilic surface presents a smaller contact angle when in contact with hydrophilic liquids. This provides greater accessibility of organic fluids to ACQUA implant surface.^[2]

Surface comparison

Lab generated images.



NeoPoros surface.



ACQUA Hydrophilic Surface.



Helix GM

PRODUCT FEATURES:

Implants Description:

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

Indications:

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

Drilling features:

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

Available with:

NeoPoros or acqua®



Drill Sequence

	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	✓*	✓	✓			✓			✓*			✓				✓	✓		

*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	✓*	✓	✓									✓				✓		✓	*

*Optional / Bone types III and IV

Helix GM Implants

Ø3.5	ACQUA	NeoPoros	Ø3.75	ACQUA	NeoPoros	Ø4.0	ACQUA	NeoPoros	Ø4.3	ACQUA	NeoPoros
8.0	140.943	109.943	8.0	140.976	109.976	8.0	140.982	109.982	8.0	140.948	109.948
10.0	140.944	109.944	10.0	140.977	109.977	10.0	140.983	109.983	10.0	140.949	109.949
11.5	140.945	109.945	11.5	140.978	109.978	11.5	140.984	109.984	11.5	140.950	109.950
13.0	140.946	109.946	13.0	140.979	109.979	13.0	140.985	109.985	13.0	140.951	109.951
16.0	140.947	109.947	16.0	140.980	109.980	16.0	140.986	109.986	16.0	140.952	109.952
18.0	140.988	109.988	18.0	140.981	109.981	18.0	140.987	109.987	18.0	140.989	109.989

Ø5.0	ACQUA	NeoPoros	Ø6.0	ACQUA	NeoPoros	Ø7.0	ACQUA	NeoPoros	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									

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

GM Healing Abutment

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

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

GM Customizable Healing Abutment

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

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

Drive GM

PRODUCT FEATURES:

Implants Description:

- Tapered implant;
- Square shape threads;
- Double threaded implant;
- Reverse cutting chambers distributed across the implant body;
- Rounded apex with a sharp edge;
- Grand Morse™ connection.

Indications:

- Indicated for bone types III and IV and implant immediate placement post-extraction;

Drilling features:









- Final pilot drill is optional in bone types III and IV;
- Implant should be positioned 1 or 2 mm below bone level;
- Drilling speed: 500-800 rpm;
- Implant insertion speed: 30 rpm;
- Maximum torque for implant placement: 60 Ncm.


Available with:

NeoPoros or acqua®












Drill Sequence

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











*Optional / Bone types III and IV 

Drill Sequence with Neodent® Control System


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

Indications:

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

Drilling features:

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



Available with:

NeoPoros or acqua®



Drill Sequence

	Initial	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 Customizable Healing Abutments

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

GM Cover Screw

	0 mm	2 mm
	117.021	117.022

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

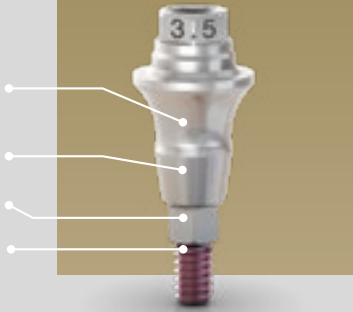
GM Abutment

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

GM Exact
Abutment with Neo
Removable Screw

20 Ncm

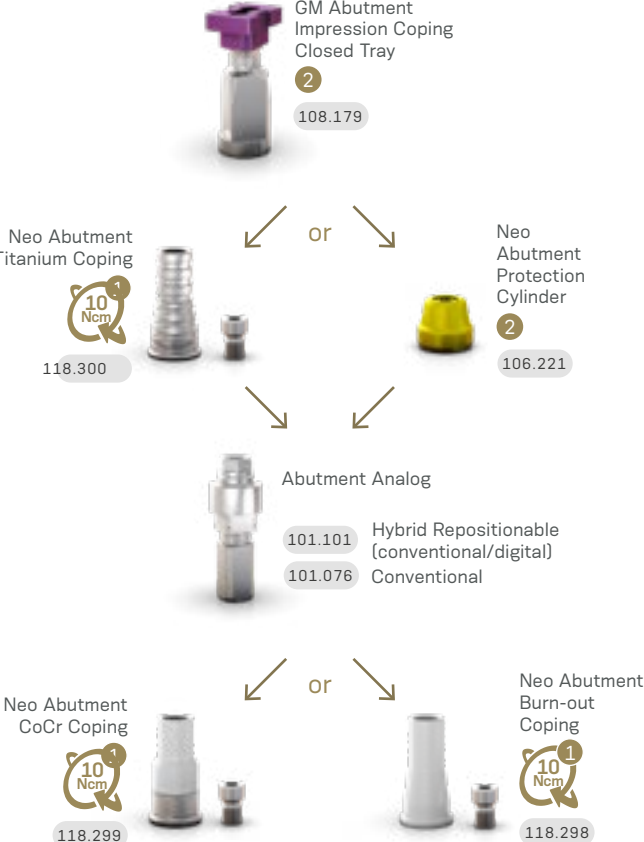


Intraoral

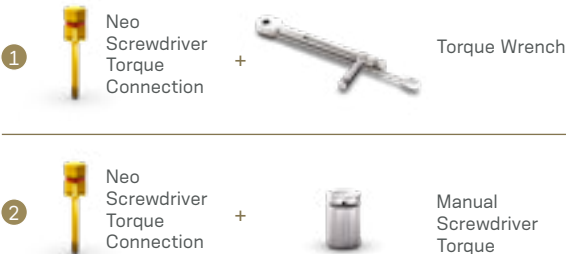
Model Scanning

Conventional

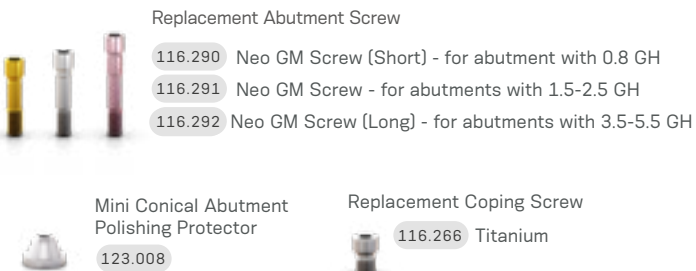
18



Drivers



Accessories



Installation Sequence

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

GM Mini Conical
Abutment

32 Ncm

or

1.5 mm 115.275	2.5 mm 115.276	3.5 mm 115.277
17° 115.278	25° 115.279	30° 115.280

GM Exact Mini Conical
Abutment 17°/30°

20 Ncm

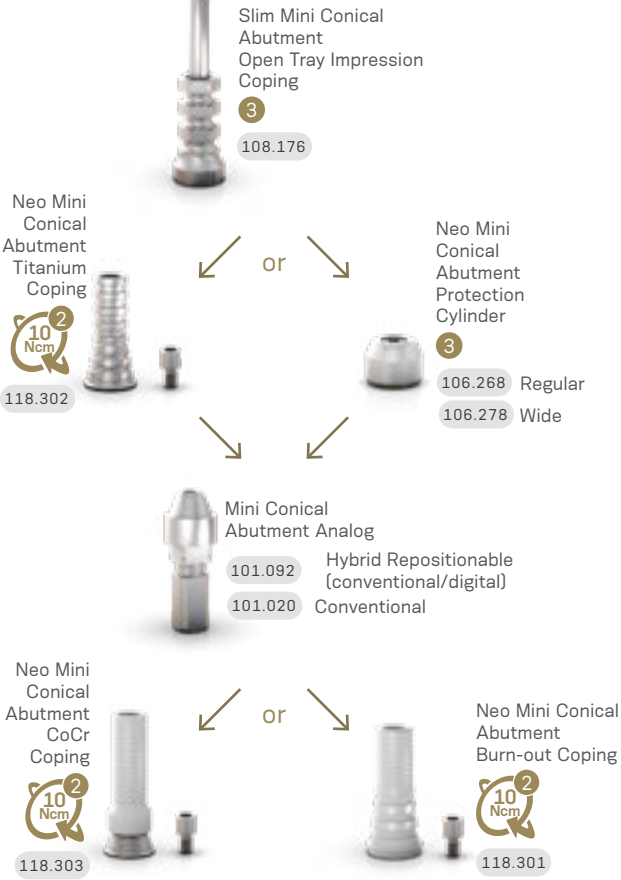


Intraoral

Model Scanning

Conventional

19




Drivers




Accessories




GM Micro Abutment



Single-unit screw-retained prosthesis



Multiple-unit screw-retained prosthesis




Ø3.5 mm

Recommended for limited spaces and narrow inter-dental spaces.

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



GM Anatomic Abutment with Neo Removable Screw



Single-unit cement-retained prosthesis

Recommended for anterior region.

Gingiva color for esthetic outcomes

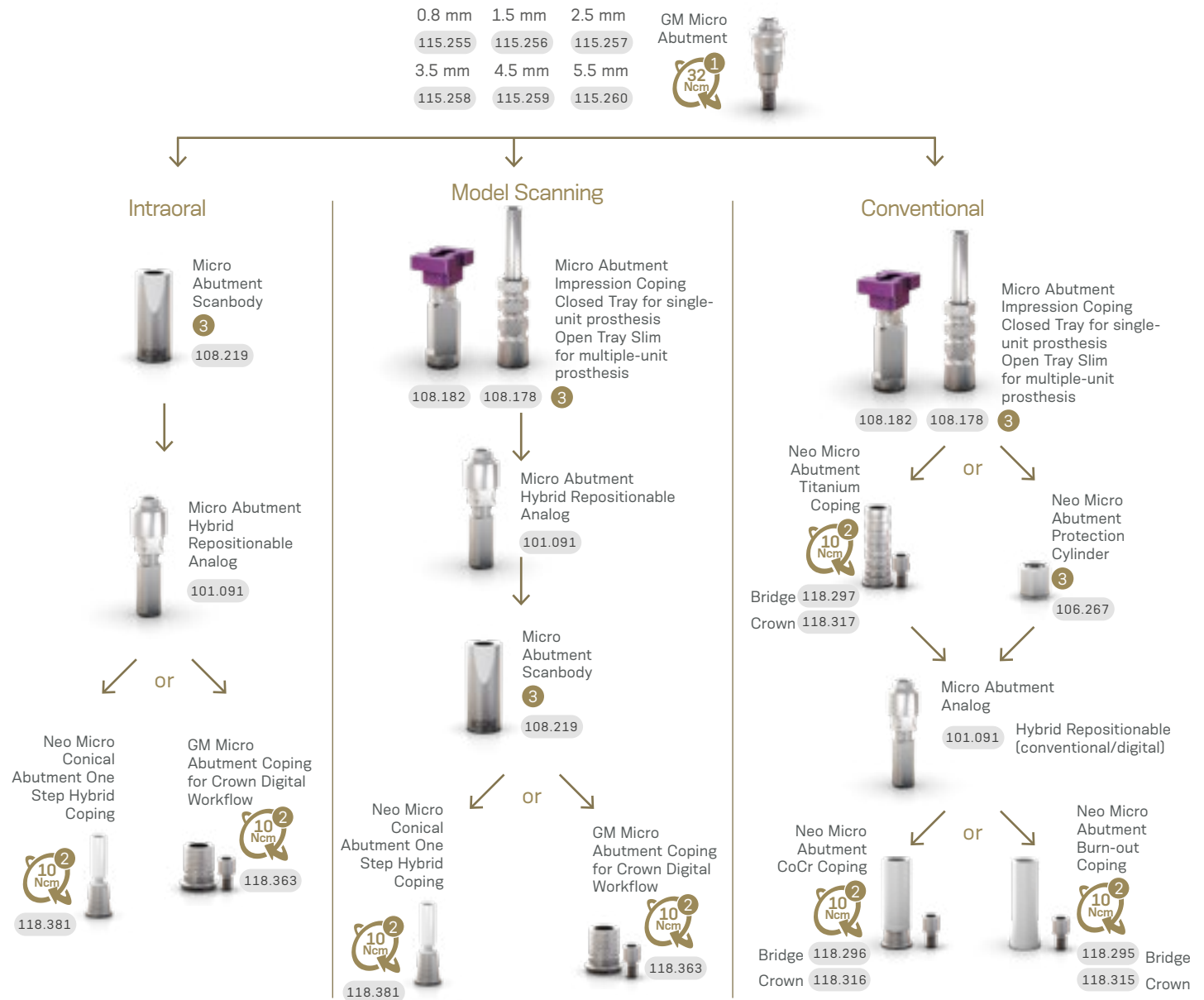
Click retention for provisional copings

With internal threads for a secure engagement of the screw

Exact

Neo Removable Screw

Installation Sequence



Drivers

1 Hexagonal Prosthetic Driver + Torque Wrench

2 Neo Screwdriver Torque Connection + Torque Wrench

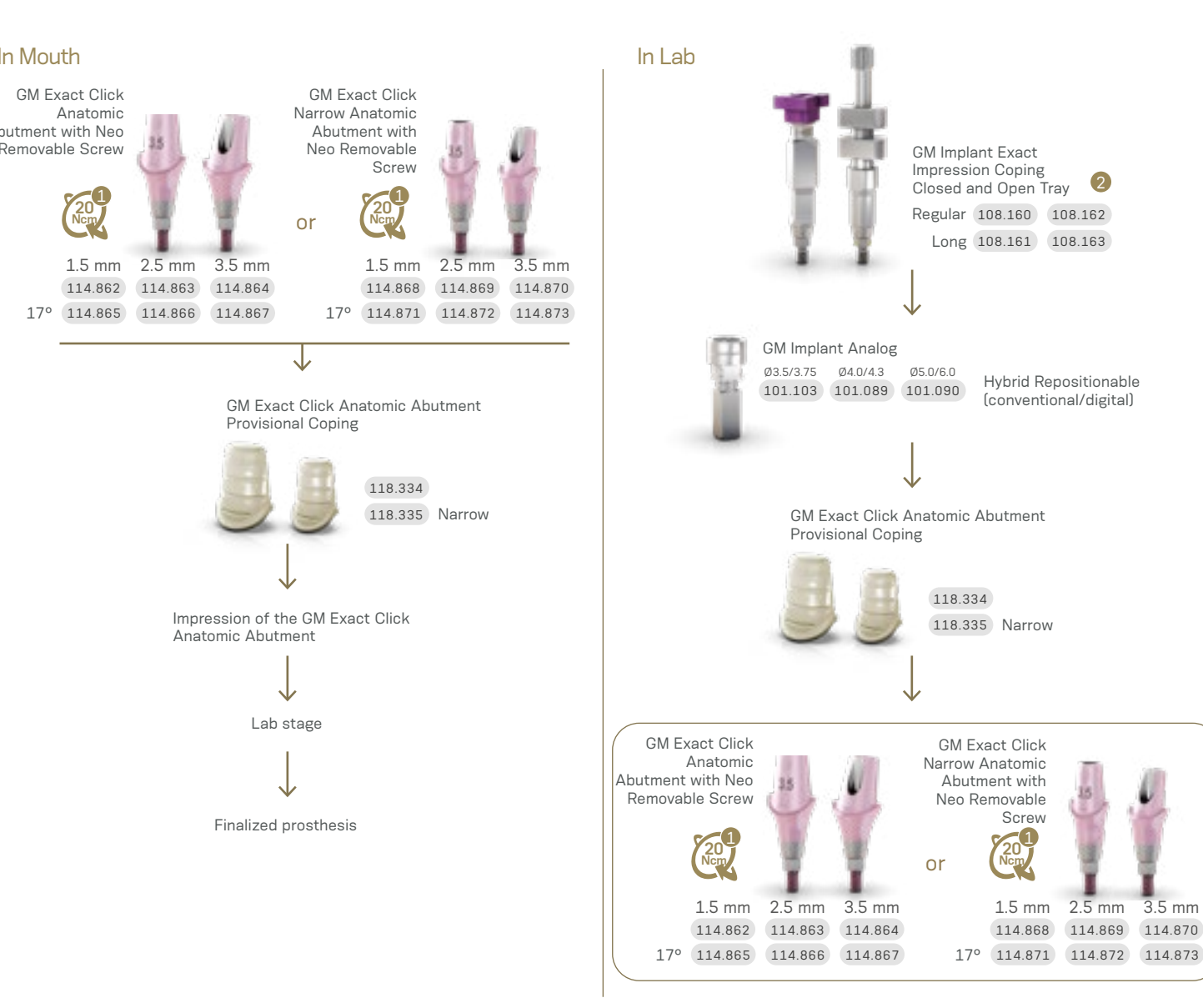
3 Neo Screwdriver Torque Connection + Manual Screwdriver Torque

Accessories

Micro Abutment Polishing Protector 123.015 Bridge

Replacement Coping Screw 116.269 Titanium

Installation Sequence



Drivers

1 Neo Screwdriver Torque Connection + Torque Wrench

2 Neo Screwdriver Torque Connection + Manual Screwdriver Torque

Accessories

Replacement Abutment Screw

Neo GM Screw - for abutments with 1.5-2.5 GH 116.291

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

GM Universal Abutment with Neo Removable Screw



Single-unit cement-retained prosthesis



Ø3.3/4.5 mm

Cementable area: 4.0 or 6.0 mm;

Click retention for provisional copings;


With internal threads for a secure engagement of the screw;

Exact;


Neo Removable Screw.




GM Titanium Base with Neo Removable Screw



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



GM Exact Click Universal Abutment with Removable Screw

	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
4 mm 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

	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

	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



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


Conventional



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

↓




Universal Abutment Burn-out Coping

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

Installation Sequence


Intraoral



GM Implant Intraoral Scanbody

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

108.207


↓



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	

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

Accessories

Replacement Abutment Screw

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

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



Drivers

1 Neo Screwdriver Torque Connection + Torque Wrench

2 Neo Screwdriver Torque Connection + Manual Screwdriver Torque

Accessories

Replacement Abutment Screw

116.292 Neo GM Screw (Long)

GM Titanium Base for Bridge with Neo Removable Screw



Multiple-unit
screw-
retained
prosthesis




Multiple-unit
cement-
retained
prosthesis




Ø3.5/4.5/
5.5 mm

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


With internal threads for a
secure engagement of the
screw;
Neo Removable Screw.




GM Titanium Base Angled Solution (AS)



Single-unit
screw-
retained
prosthesis



Single-unit
cement-
retained
prosthesis



Ø4.0/4.5/
5.5 mm

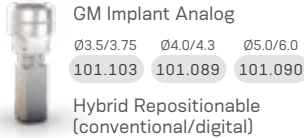
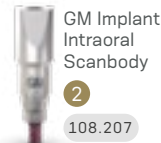
With removable screw.

Cementable area:
6.0 or 4.0 mm;
Up to 15°
Exact



Installation Sequence

Intraoral



	GM Titanium Base for Bridge	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

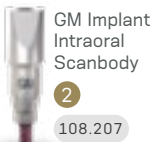
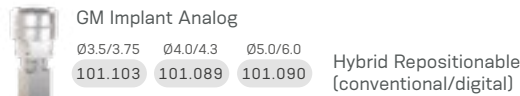
Model Scanning



2


GM Implant Exact
Impression Coping
Open Tray

Regular 108.158
Long 108.159



Drivers

1



+




Torque Wrench

2




+



Manual
Screwdriver
Torque

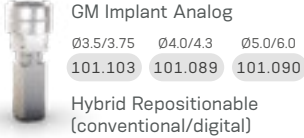
Accessories

Replacement Abutment
Screw
116.292 Neo GM Screw (Long)



Installation Sequence

Intraoral




	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




	GM Titanium Base Angled Solution (AS) 6mm	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




+




Torque Wrench

2



+



Contra-angle



105.150 Short
105.151 Regular
105.152 Long

or


105.147 Short
105.148 Regular
105.149 Long

Accessories


Neo
Screwdriver
Torque
Connection
+
Manual
Screwdriver
Torque





Replacement
Sterile Screw
116.288 Screw for GM
Titanium Base AS

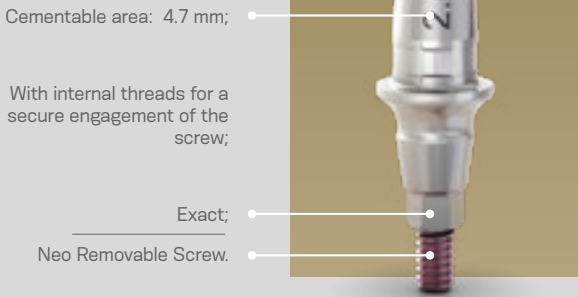


Titanium Base C for GM with Neo Removable Screw


Single-unit screw-retained prosthesis


Single-unit cement-retained prosthesis


Ø4.65 mm




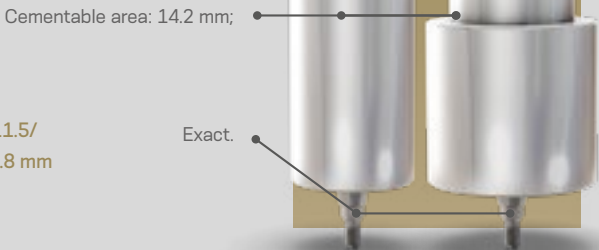
GM Titanium Block for MEDENTiKA Holder

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

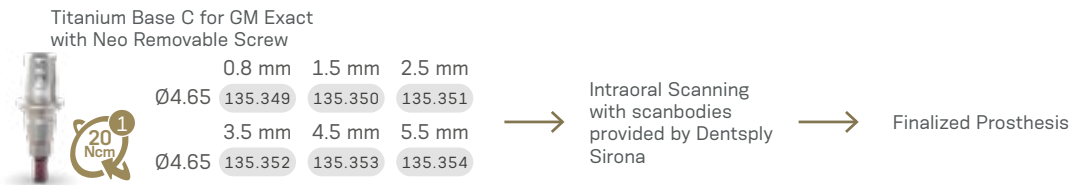
Multiple-unit cement-retained prosthesis

Ø11.5/15.8 mm




Screw sold separately.

Installation Sequence




Workflow

Step 1
Gingiva height selection and ordering.

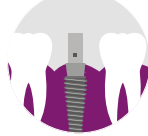


Select the Titanium Base C for GM Exact gingival height.




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

Step 2
Intra-oral scanning.




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




Insert Scanbody on the Titanium Base or Scanbase for C.

Step 3
Design and milling.




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

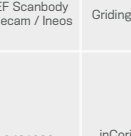


Mill the digital design.

Step 4
Finalization and fixation.



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



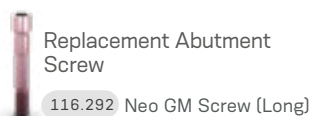
CEREC digital library compatibility

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

Drivers

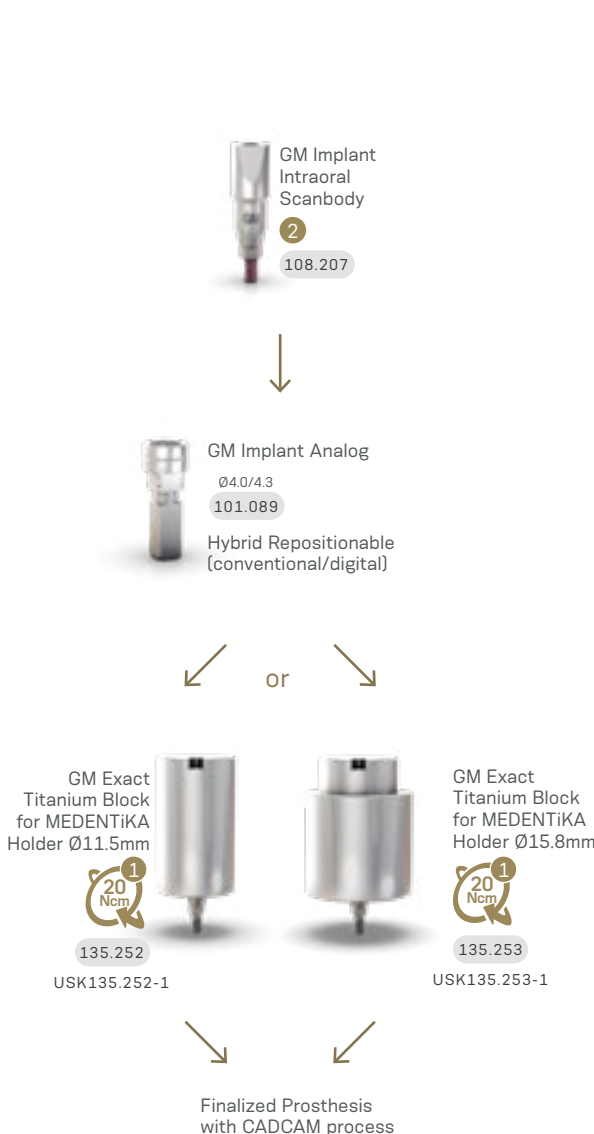


Accessories



Installation Sequence

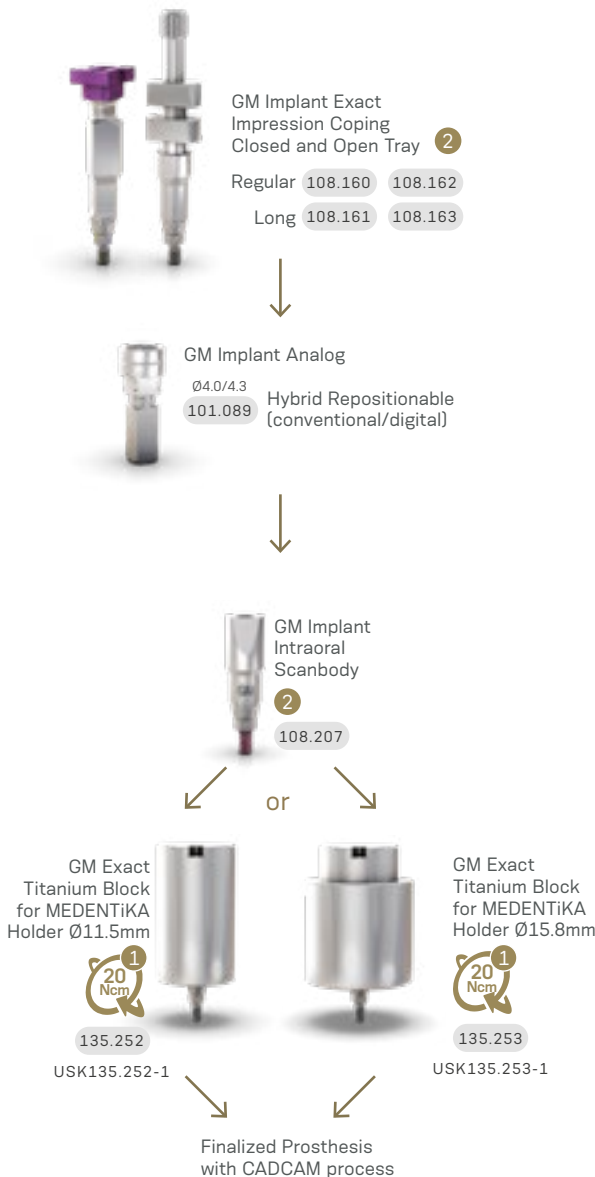
Complete Digital Workflow



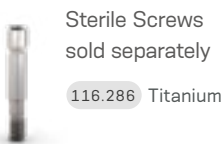
Drivers




Semi Digital Workflow




Accessories




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


Neo Screwdriver Torque Connection


Torque Wrench

Neo Screwdriver Torque Connection

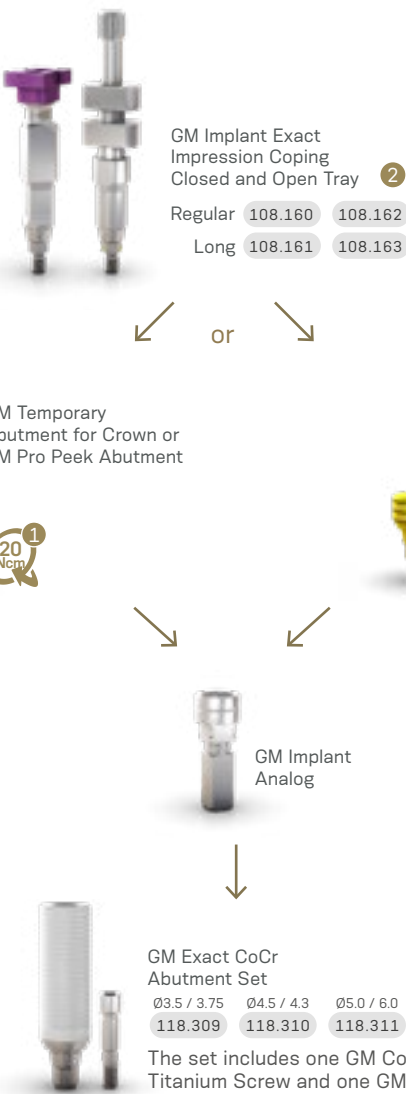
Manual Screwdriver Torque

Accessories


Sterile Screws sold separately


116.286 Titanium


Installation Sequence




Drivers

Neo Screwdriver Torque Connection

Torque Wrench

Neo Screwdriver Torque Connection


Manual Screwdriver Torque

Accessories


Replacement Sterile Screws

116.286 Titanium


GM Temporary Abutment



Single-unit screw-retained temporary prosthesis



Multiple-unit screw-retained temporary prosthesis

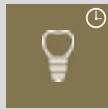


Customizable area made of titanium.
A minimum height of 4 mm of the customizable area must be kept.
With retentive grooves for acrylic material and allows customization.


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 with Neo Removable Screw



Single-unit cement-retained temporary prosthesis



Ø4.5/
6.0 mm

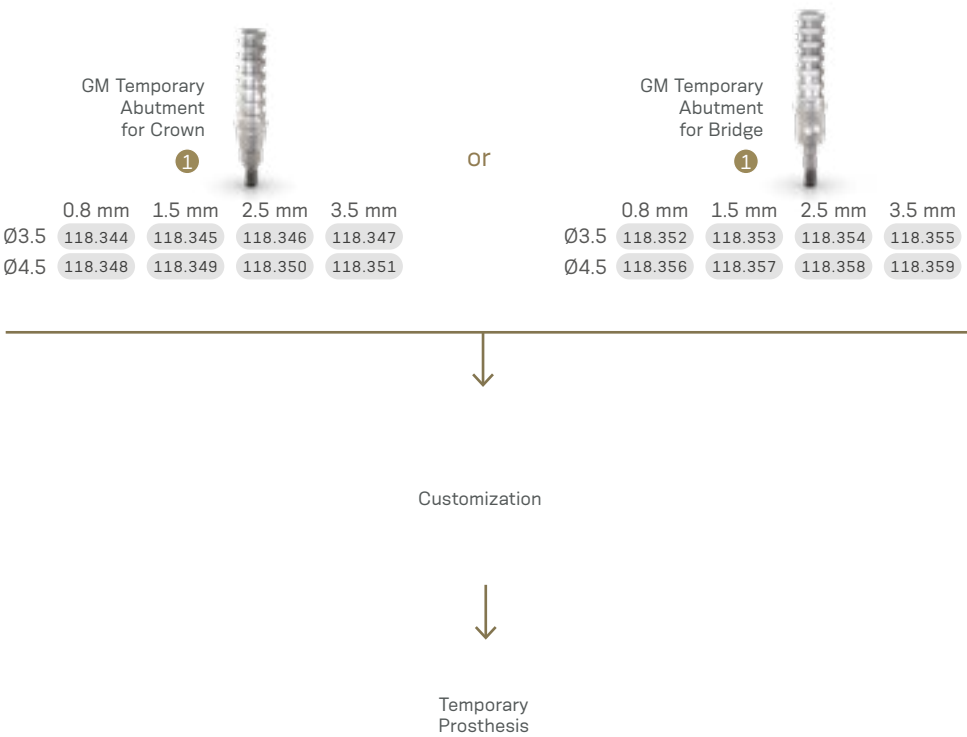
Biocompatible Peek of easy customization.

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

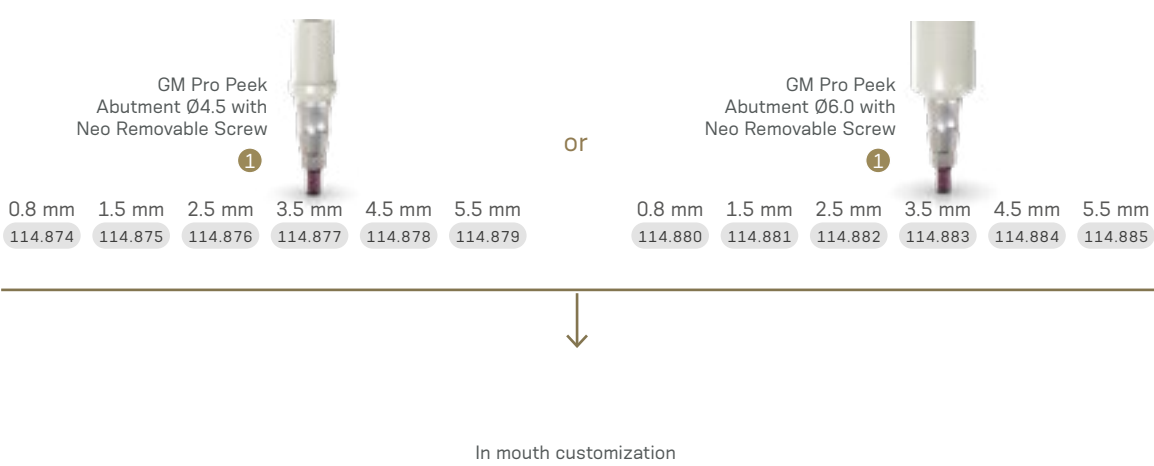
Exact
Neo Removable Screw



Installation Sequence



Installation Sequence



Drivers

1




+



Torque Wrench

Accessories



Replacement Sterile Screws

116.286 Titanium

Drivers

1




+



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 Attachment TiN* for Removable Prostheses



Overdenture

Angled version with removable screw.



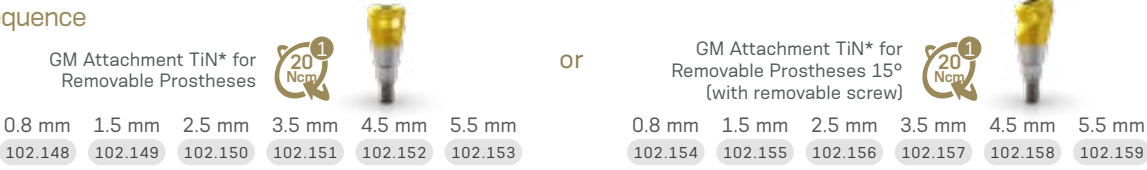
GM Mini Conical Abutment Coping for Removable Prosthesis



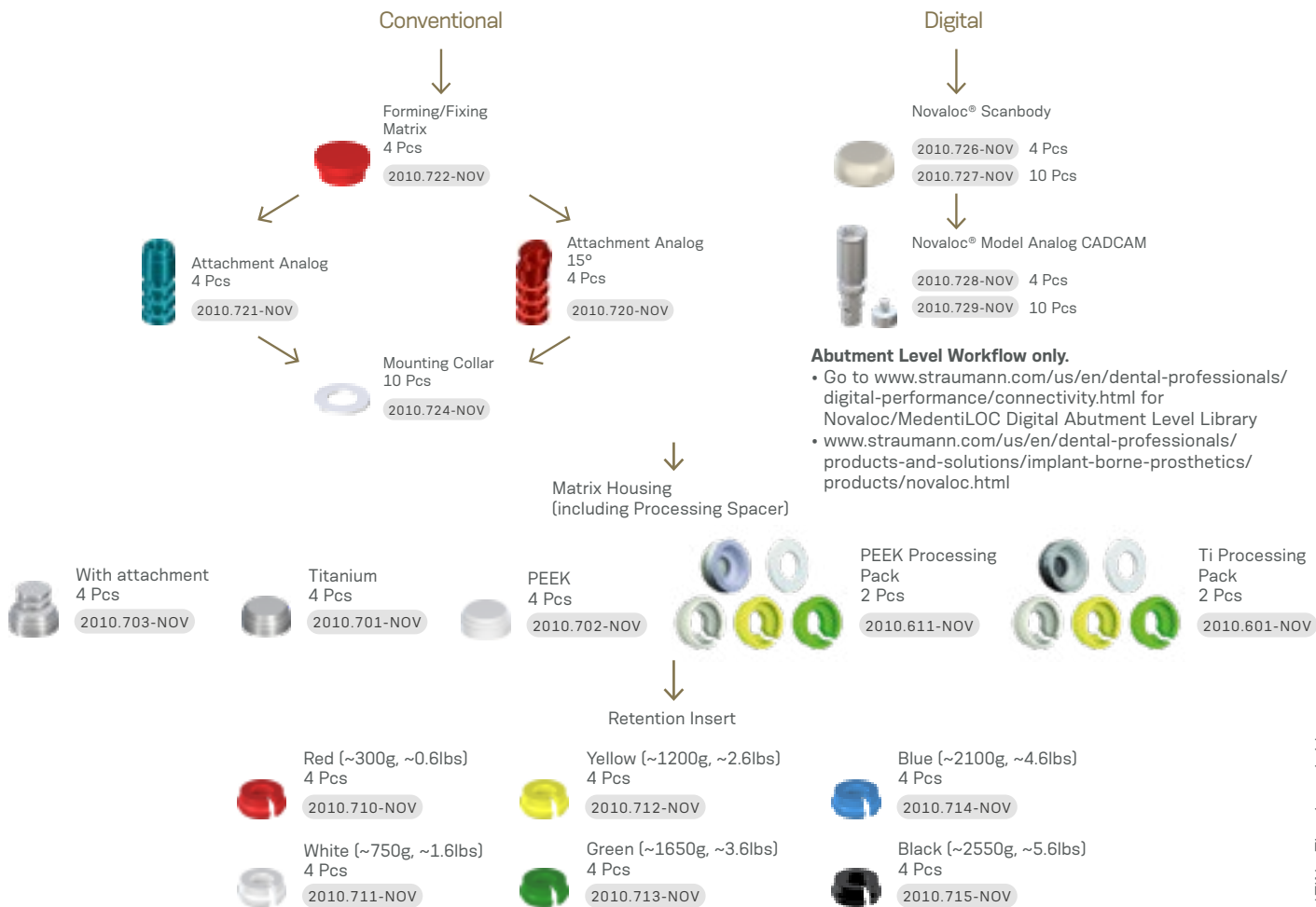
Overdenture



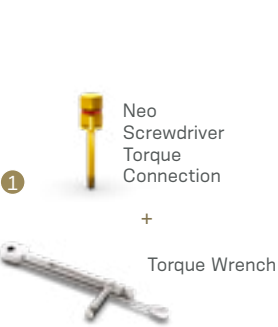
Installation Sequence



Abutment Level Workflow



Drivers



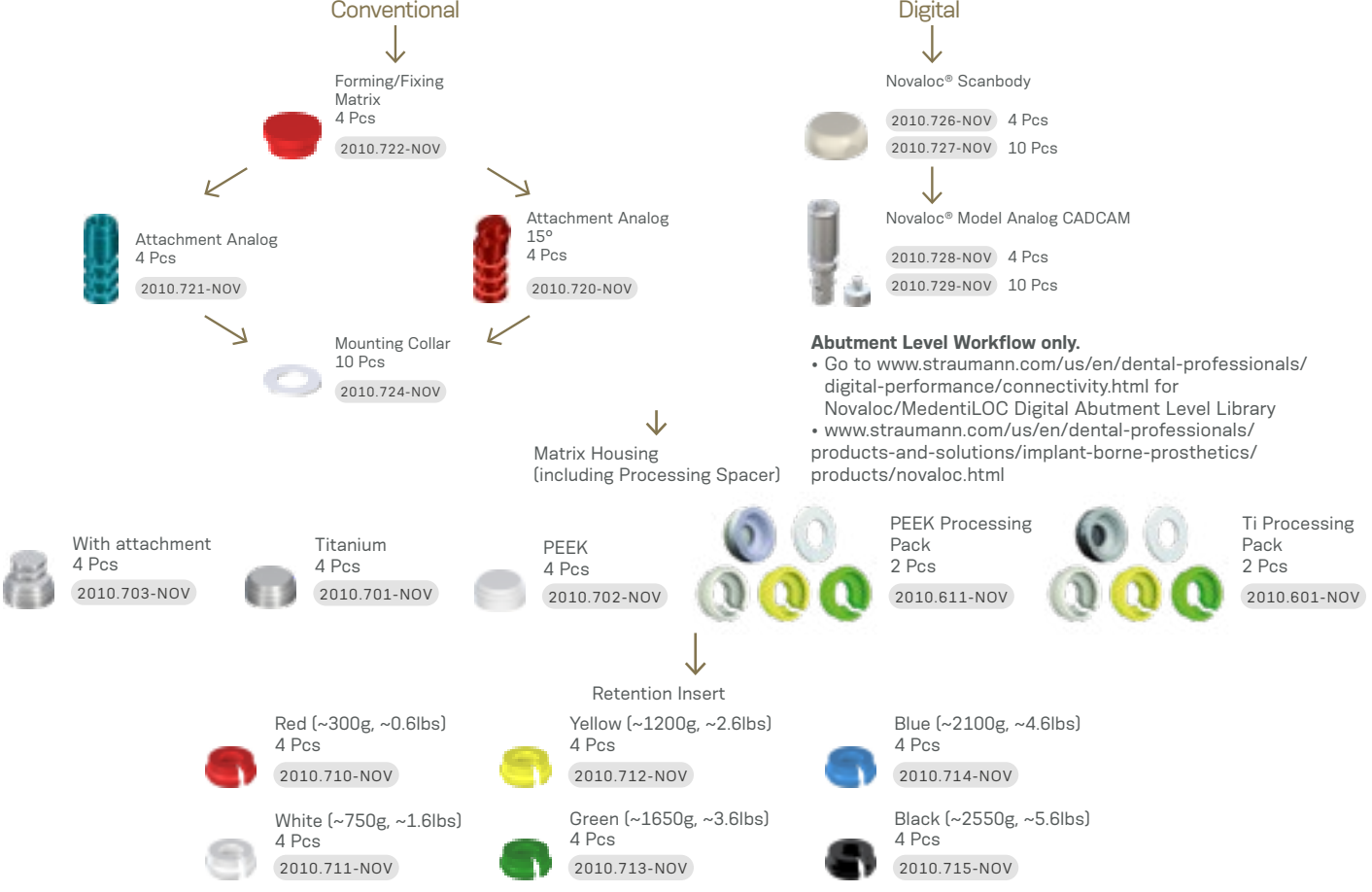
Accessories



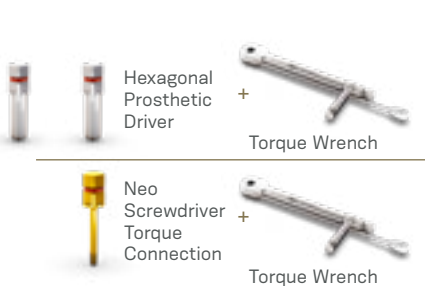
Installation Sequence



Abutment Level Workflow



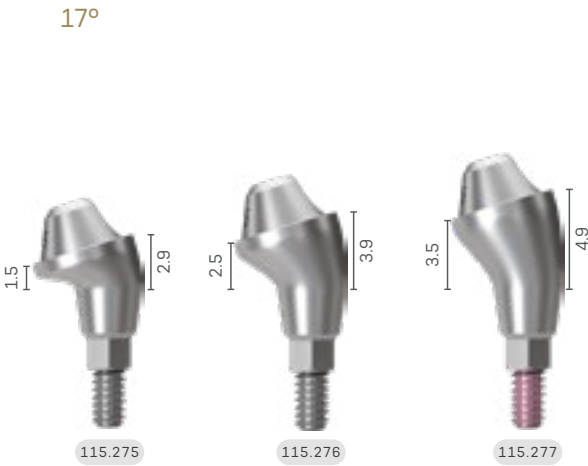
Drivers



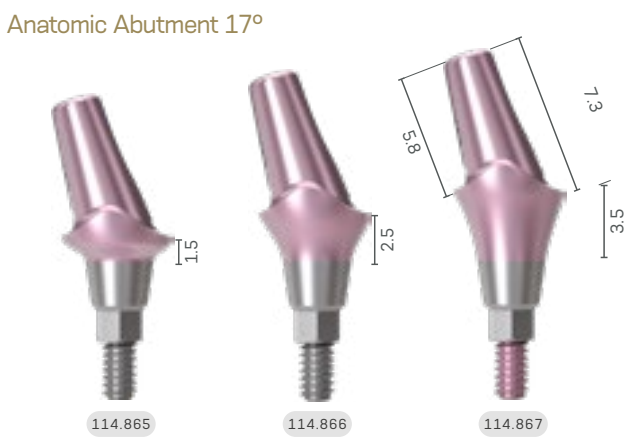
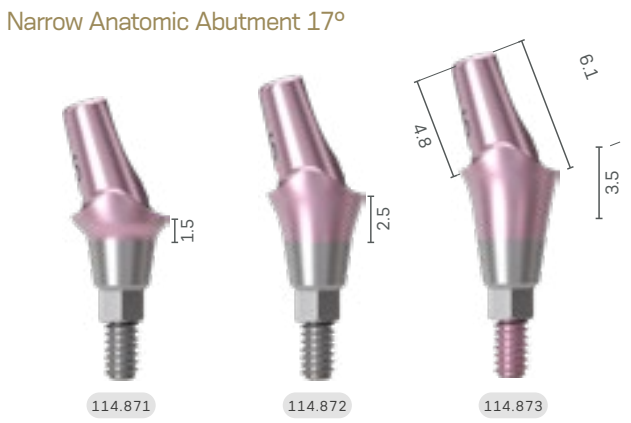
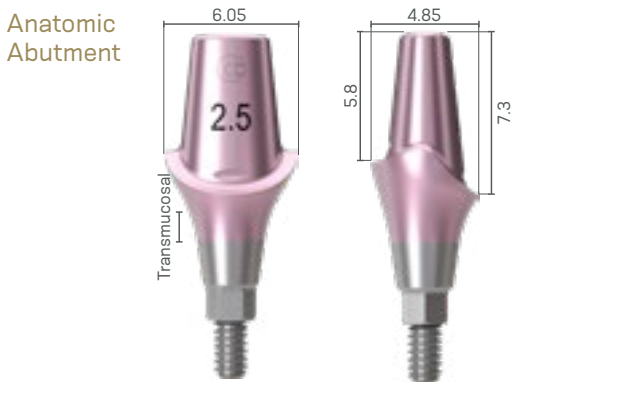
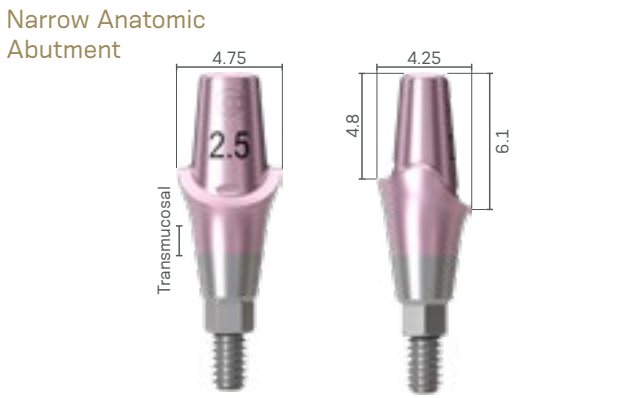
Accessories



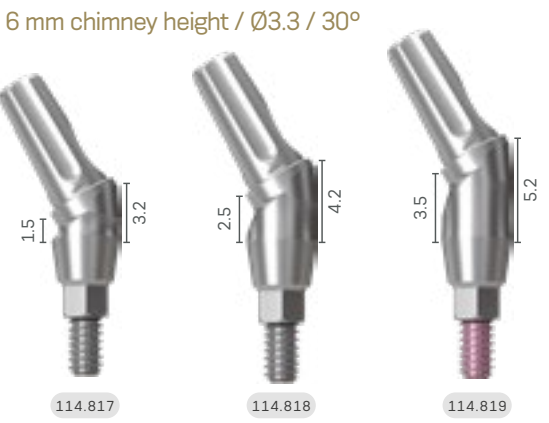
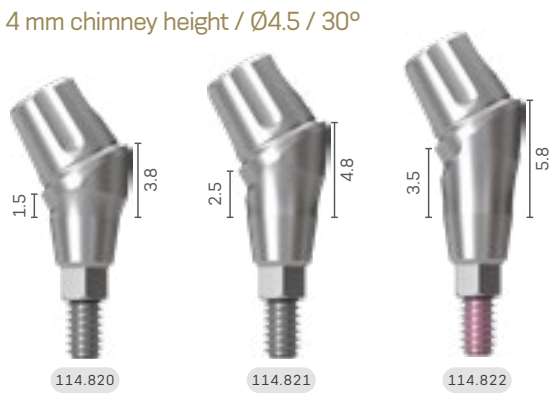
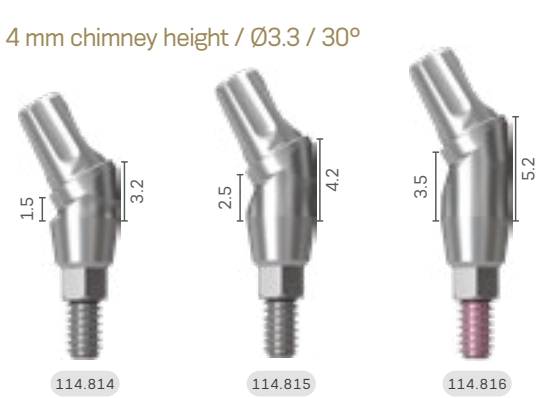
Measurements GM
Mini Conical Abutment
with Neo Removable Screw



Measurements GM
Anatomic Abutment
with Neo Removable Screw



Measurements GM
Universal Abutment
with Neo Removable Screw



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.

Grand Morse™ and WS Surgical Kit

Autoclavable polymer case.



Articles

- 110.287

GM/WS Surgical Kit Case
- 103.162

Twist Drill 2.0 Plus
- 103.213

Pilot Drill 2.0/3.0 Plus
- 103.164

Twist Drill 3.0 Plus
- 103.166

Twist Drill 3.3 Plus
- 103.415

GM Pilot Drill 3.0/3.75
- 103.167

Twist Drill 3.8 Plus
- 103.168

Twist Drill 4.3 Plus
- 103.215

Pilot Drill 4.3/5.3 Plus
- 103.163

Twist Drill 2.8 Plus
- 103.169

Twist Drill 5.3 Plus
- 103.170

Initial Drill Plus
- 103.513

Pilot Drill GM 2.8/3.5
- 103.515

Pilot Drill GM 3.3/4.0
- 103.516

Pilot Drill GM 4.3
- 103.517

Pilot Drill GM 4.3/5.0
- 103.221

Pilot Drill CM 5.3/6.0 Plus
- 103.578

Tapered Contour Drill 3.5
- 103.579

Tapered Contour Drill 3.75
- 103.580

Tapered Contour Drill 4.0
- 103.581

Tapered Contour Drill 4.3
- 103.582

Tapered Contour Drill 5.0
- 103.425

Tapered Drill 2.0
- 103.561

Tapered Drill 3.5
- 128.029

WS Height Measurer
- 103.564

Tapered Drill 3.75
- 103.567

Tapered Drill 4.0
- 103.570

Tapered Drill 4.3
- 103.573

Tapered Drill 5.0
- 103.576

Tapered Drill 6.0
- 105.168

GM Implant Driver - Contra-Angle
- 105.002

Smart/WS Implant Driver - Contra-Angle
- 104.060

Neo Screwdriver (Medium)
- 105.130

GM Implant Driver GM - Torque Wrench

- 105.018

Hex Connection - Torque Wrench (Long)
- 104.028

Manual Implant Driver - Contra-Angle
- 104.012

Manual Screwdriver (Medium)
- 105.129

GM Implant Driver GM - Torque Wrench
- 105.001

Smart/WS Implant Driver - Torque Wrench (Short)
- 128.019

Direction Indicator 2.8/3.5
- 128.020

Direction Indicator 3.0/3.75
- 128.021

Direction Indicator 3.3/4.0
- 128.022

Direction Indicator 3.6/4.3
- 128.023

Direction Indicator 4.3/5.0
- 128.024

WS Direction Indicator 4.3/5.0
- 128.025

WS Direction Indicator 5.3/6.0
- 128.028

GM Height Measurer
- 129.004

Depth Probe
- 129.001

Titanium Tweezers
- 104.050

Torque Wrench
- 103.426

Drill Extension

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

Helix GM Compact Surgical Kit

Autoclavable polymer case.
The Kit allows the installation of Helix GM Implants in all bone types.
To order the pre-mounted version of the kit, with its complete composition, use code [110.303](#).



Articles

- 110.297

Helix GM Compact Surgical Kit Case
- 103.170

Initial Drill
- 103.425

Tapered Drill 2.0
- 103.561

Tapered Drill 3.5
- 103.564

Tapered Drill 3.75
- 103.567

Tapered Drill 4.0
- 103.570

Tapered Drill 4.3
- 103.573

Tapered Drill 5.0
- 103.576

Tapered Drill 6.0
- 103.577

Tapered Drill 7.0 (Short)*
- 104.060

Neo Manual Screwdriver (Medium)
- 104.028

Manual Implant Driver - Contra-angle
- 103.426

Drill Extension
- 103.516

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 | 103.426 | Drill Extension | 103.516 | Pilot Drill 4.3 |
| 103.170 | Initial Drill | 103.500 | Tapered Control Stop Drill 3.5+ | 103.517 | Pilot Drill 5.0 |
| 103.492 | Tapered Control Stop Drill 2.0 | 103.501 | Tapered Control Stop Drill 3.75+ | 128.028 | GM Height Measurer |
| 103.493 | Tapered Control Stop Drill 3.5 | 103.502 | Tapered Control Stop Drill 4.0+ | 128.030 | Angle Measurer for Drill 2.0 17° |
| 103.494 | Tapered Control Stop Drill 3.75 | 103.503 | Tapered Control Stop Drill 4.3+ | 128.031 | Angle Measurer for Drill 2.0 30° |
| 103.495 | Tapered Control Stop Drill 4.0 | 103.504 | Tapered Control Stop Drill 5.0+ | 128.019 | Direction Indicator 2.8/3.5 |
| 103.496 | Tapered Control Stop Drill 4.3 | 105.168 | GM Implant Driver - Contra-angle GM | 128.020 | Direction Indicator 3.0/3.75 |
| 103.497 | Tapered Control Stop Drill 5.0 | 105.130 | Implant Driver - Torque Wrench (Long) | 128.021 | Direction Indicator 3.3/4.0 |
| 103.498 | Tapered Control Stop Drill 6.0 (Short) | 105.129 | GM Implant Driver - Torque Wrench (Short) | 128.022 | Direction Indicator 3.6/4.3 |
| 103.499 | Tapered Control Stop Drill 7.0 (Short)* | 103.513 | Pilot Drill 3.5 | 128.023 | Direction Indicator 4.3/5.0 |
| 104.060 | Neo Manual Screwdriver (Medium) | 103.514 | Pilot Drill 3.75 | 129.004 | Depth Probe |
| 104.028 | Manual Implant Driver - Contra-angle | 103.515 | Pilot Drill 4.0 | 104.050 | Torque Wrench |

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

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

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

Grand Morse™ Try-In Kit

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



Articles

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

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



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



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

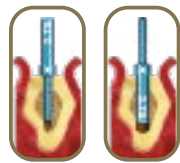
- :: Available in titanium;
- :: To be used in association with the Control Stop Drills;
- :: Physical control for drilling depth.



	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.



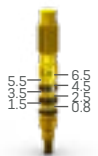
2.8/3.5	128.019	3.6/4.3	128.022
3.0/3.75	128.020	4.3/5.0	128.023
3.3/4.0	128.021		



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 Mesurer 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 Mesurer

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

- 
STRAIGHTFORWARD GUIDED SURGERY TECHNIQUE
Surgical convenience with one-hand procedures
- 
EFFICIENT TREATMENT PROTOCOLS
Intuitive and simple technique
- 
PREDICTABLE SURGICAL RESULTS
Confidence for accurate implant positioning
- 
PATIENT TREATMENT ACCEPTANCE
Communication building trust and patient engagement



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

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

ONE DRILL DESIGN

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

- 
1
COLOR CODE ACCORDING TO IMPLANT DIAMETER
- 
2
BUILT-IN STOP FOR PHYSICAL DEPTH CONTROL, WRITTEN IDENTIFICATION OF THE SLEEVE DIAMETER.*
- 
3
LASER-MARKED LENGTH
- 
4
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.



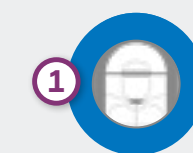
FULLY GUIDED IMPLANT INSERTION

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

FULLY GUIDED BED PREPARATION

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

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



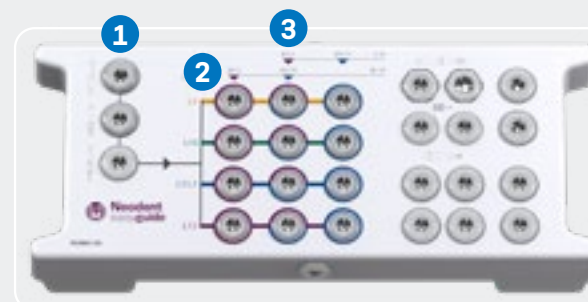
2. VIRTUAL PLANNING
Implant positioned respecting the patient's anatomy and prosthetic outcome. Neodent® EasyGuide is compatible with major software.

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

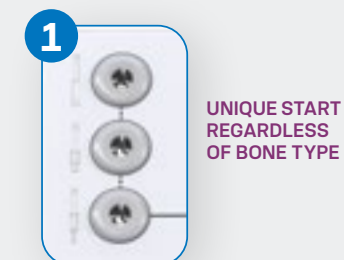
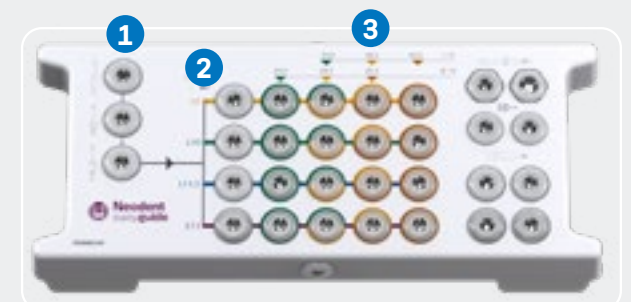


4. SURGICAL PROCEDURE
Neodent® EasyGuide presents two surgical kits, selected according to the implant diameter.

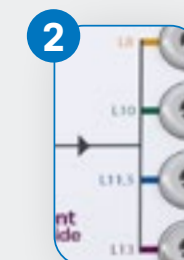
EASYGUIDE KIT NARROW/REGULAR • Ø3.5, Ø3.75



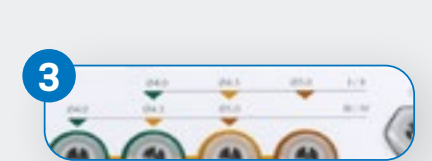
EASYGUIDE KIT REGULAR/WIDE • Ø4.0, Ø4.3, Ø5.0



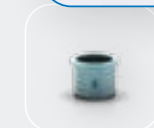
UNIQUE START REGARDLESS OF BONE TYPE



STRAIGHTFORWARD IMPLANT LENGTH IDENTIFICATION



COLOR CODED DRILL SEQUENCE FOR EACH IMPLANT DIAMETER



NARROW SLEEVE: Ø3.5/Ø3.75



REGULAR SLEEVE: Ø4.0/Ø4.3/Ø5.0



Neodent® EasyGuide Kits

Neodent® EasyGuide Kit for Narrow/Regular Diameter Implants

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

Sleeves for Neodent® EasyGuide

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



125.165 Regular Sleeve D5.2



125.168 Narrow Sleeve D3.93



125.177 Sleeve for Palatal Setter



125.143 Sleeve for Fixation Clamp



A SMILE FOR EVERYONE

NEODENT® NEOARCH®

IMMEDIATE FIXED FULL-ARCH SOLUTION

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



Immediate function resulting in shorter treatment times.

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



Immediate natural-looking esthetics with versatile restorative options.

- 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

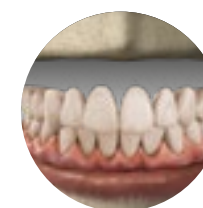
An implant system designed for predictable immediate treatments in all bone types even with different conditions of the residual alveolar bone.



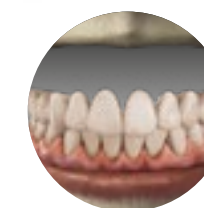
Helix GM



Helix GM Long



Zygoma GM



Zygoma-S GM

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BONE RESORPTION



*The 45° Mini Conical Abutment, 45° Mini Conical Abutment Slim, 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.

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


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




Available with:

NeoPoros®

Drill Sequence



	Initial 103.453	Ø2.35 103.462	Ø3.75 103.463	Ø4.0 103.464
Ø3.75 mm	Optional	✓	✓	
Ø4.0 mm	Optional	✓	✓	✓

Bone types III and IV 

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

Helix GM Long implants

	20.0 mm	22.5 mm	25.0 mm
Ø3.75			
NeoPoros	109.1043	109.1044	109.1045
Ø4.0			
NeoPoros	109.1046	109.1047	109.1048



GM Healing Abutment

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

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



GM Customizable Healing Abutments

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



GM Cover Screw

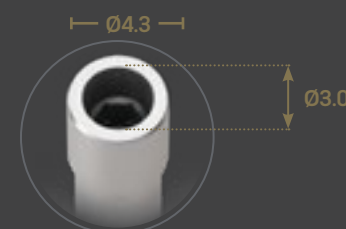
0 mm	2 mm
117.021	117.022

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



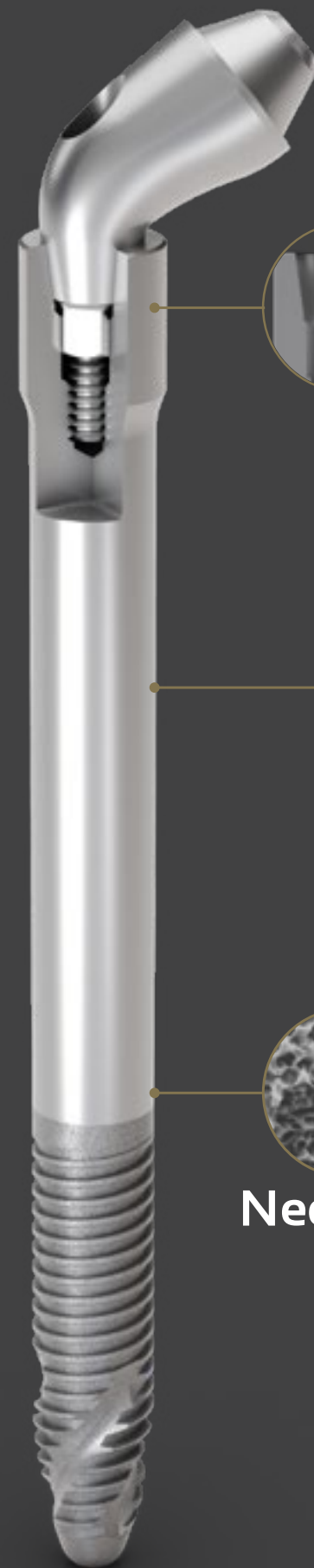
Zygoma-S

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
- Dynamic progressive thread design designed to achieve high primary stability in all bone types
- Active apex: self-tapping

NeoPoros



A SMILE FOR EVERYONE



Neodent® Zygoma GM and Helix GM® Long Implant Packaging

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

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



Package instruction of use

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

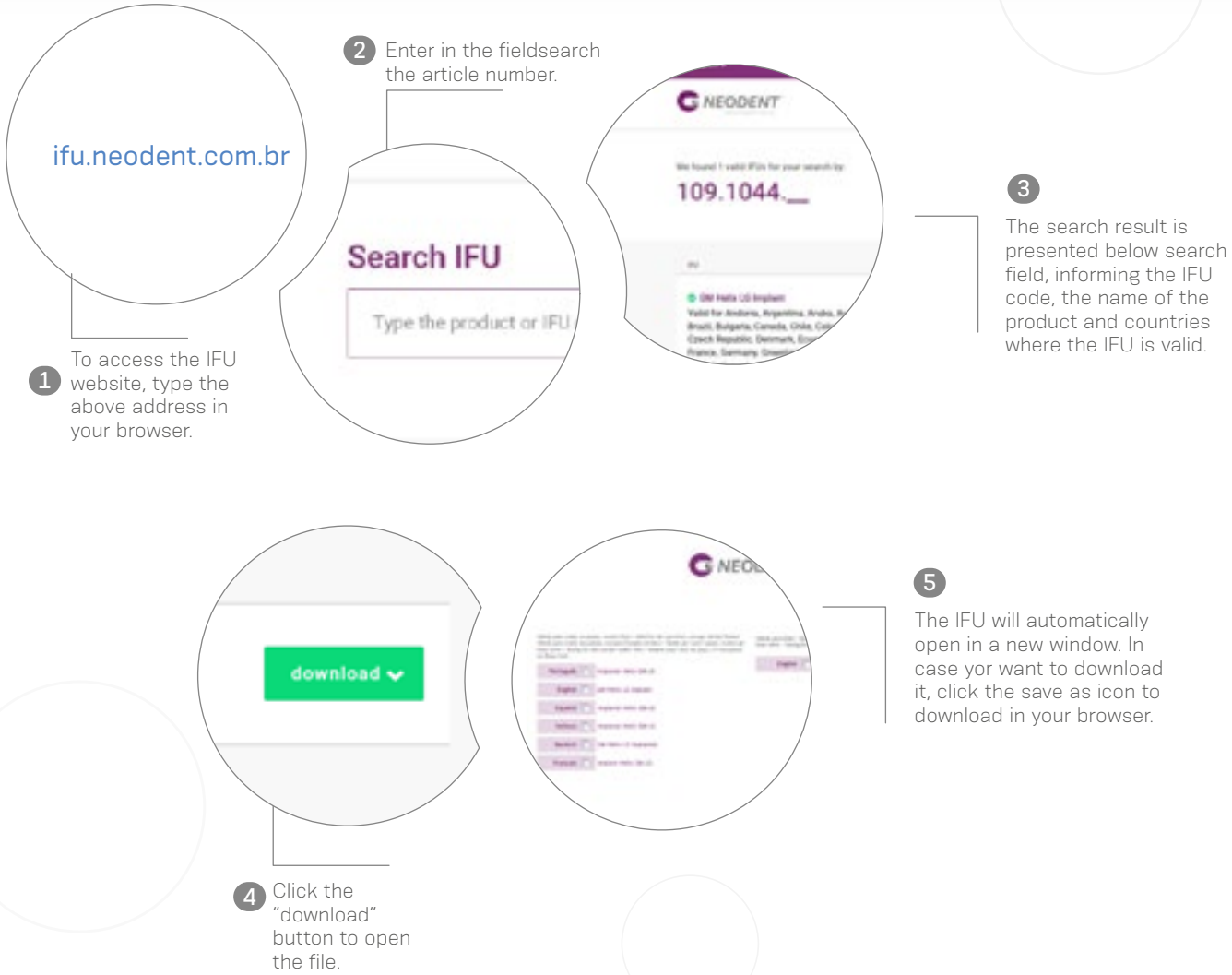


e-IFU – Electronic Instructions For Use

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

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

Access: ifu.neodent.com.br



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.



Zygoma GM

PRODUCT FEATURES:

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

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

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

Available with:

NeoPoros®

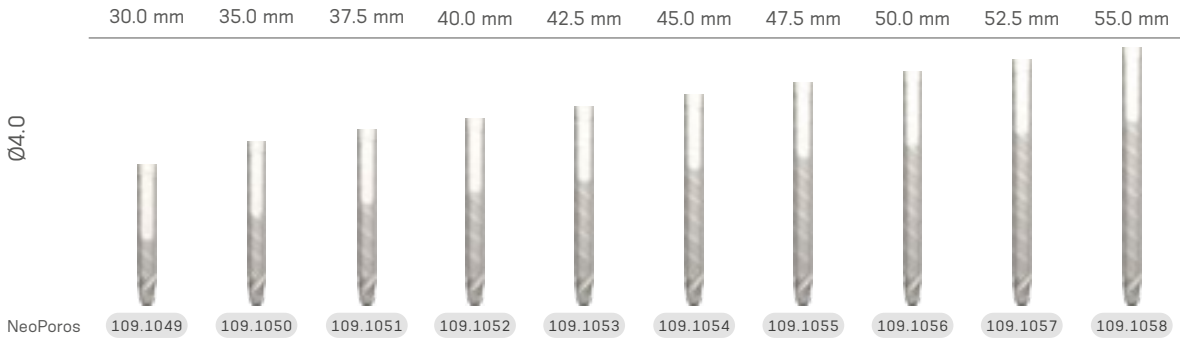


Drill Sequence

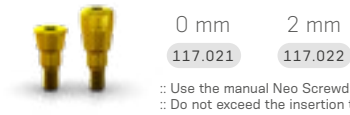


The procedure can start guided. Check the instruments for more information.

Zygoma GM Implants




GM Cover Screw




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



GM Mini Conical Abutment



Multiple-unit
screw-retained
prosthesis

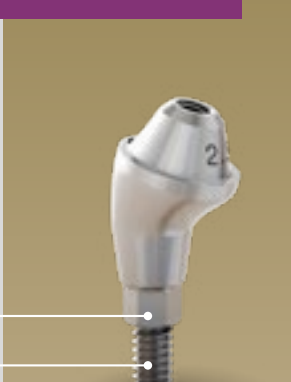


Ø4.8 mm

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

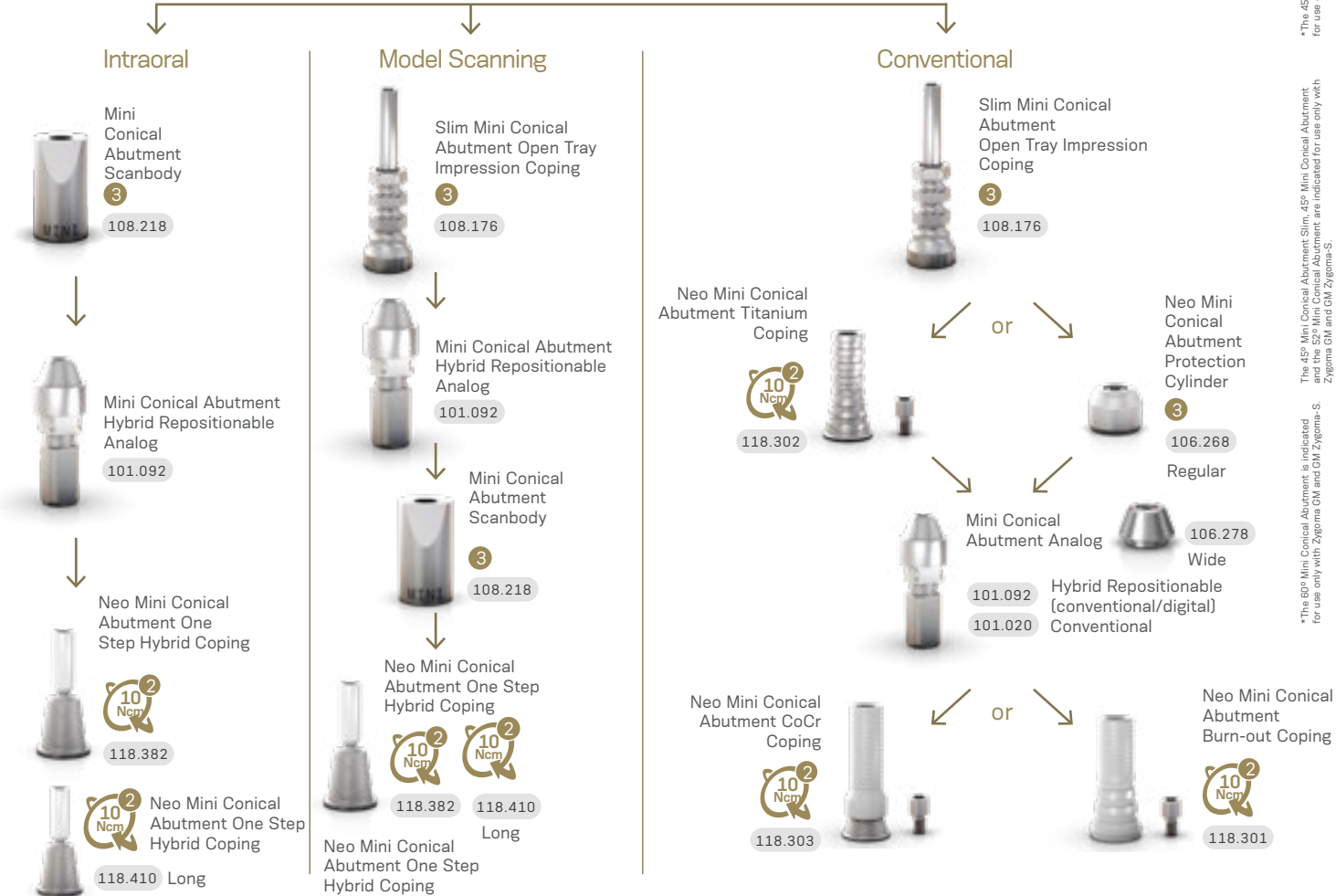
Installation Sequence

	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°*	
1.5 mm	115.243	115.244	115.245		115.275	115.278	115.281	115.302	115.300	115.285	
2.5 mm	115.246	115.247	115.248		115.276	115.279	115.282	115.303	115.301	115.286	
3.5 mm					115.277	115.280					

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

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

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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
- Replacement Coping Screw

 - 116.269 Titanium

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

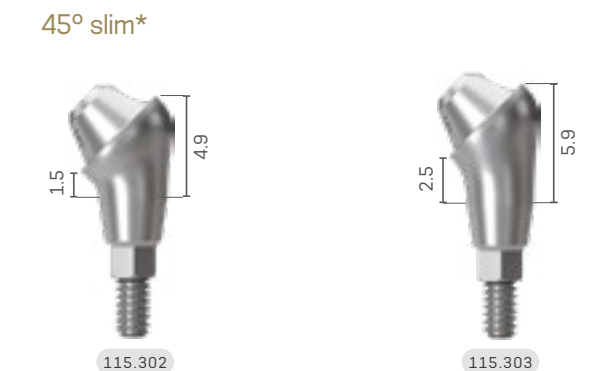
116.301



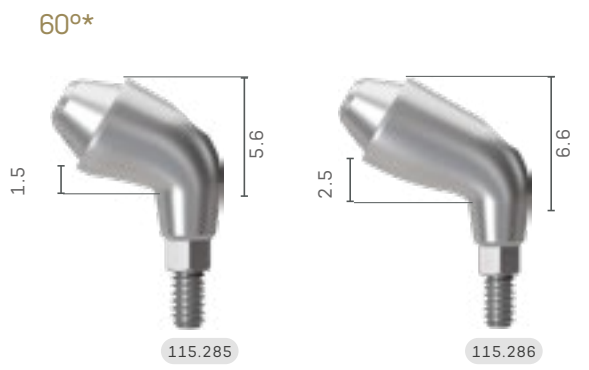
*The 45° Mini Conical Abutment is indicated for use only with Zygoma GM and GM Zygoma-S.



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



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



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

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Helix GM Long Compact Surgical Kit

Autoclavable polymer case.



Articles

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



Guided Surgery GM Connection - Torque Wrench

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


Regular
105.143



Helix GM Long X-ray Positioner

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


129.021



Zygoma GM GM Zygoma-S Probes

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

Zygoma GM	Ø2.35 129.022	Ø4.0 129.023	
Zygoma-S	Ø2.35 129.037	Ø3.5 129.038	Ø3.75 129.039



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
130.117

Long
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.

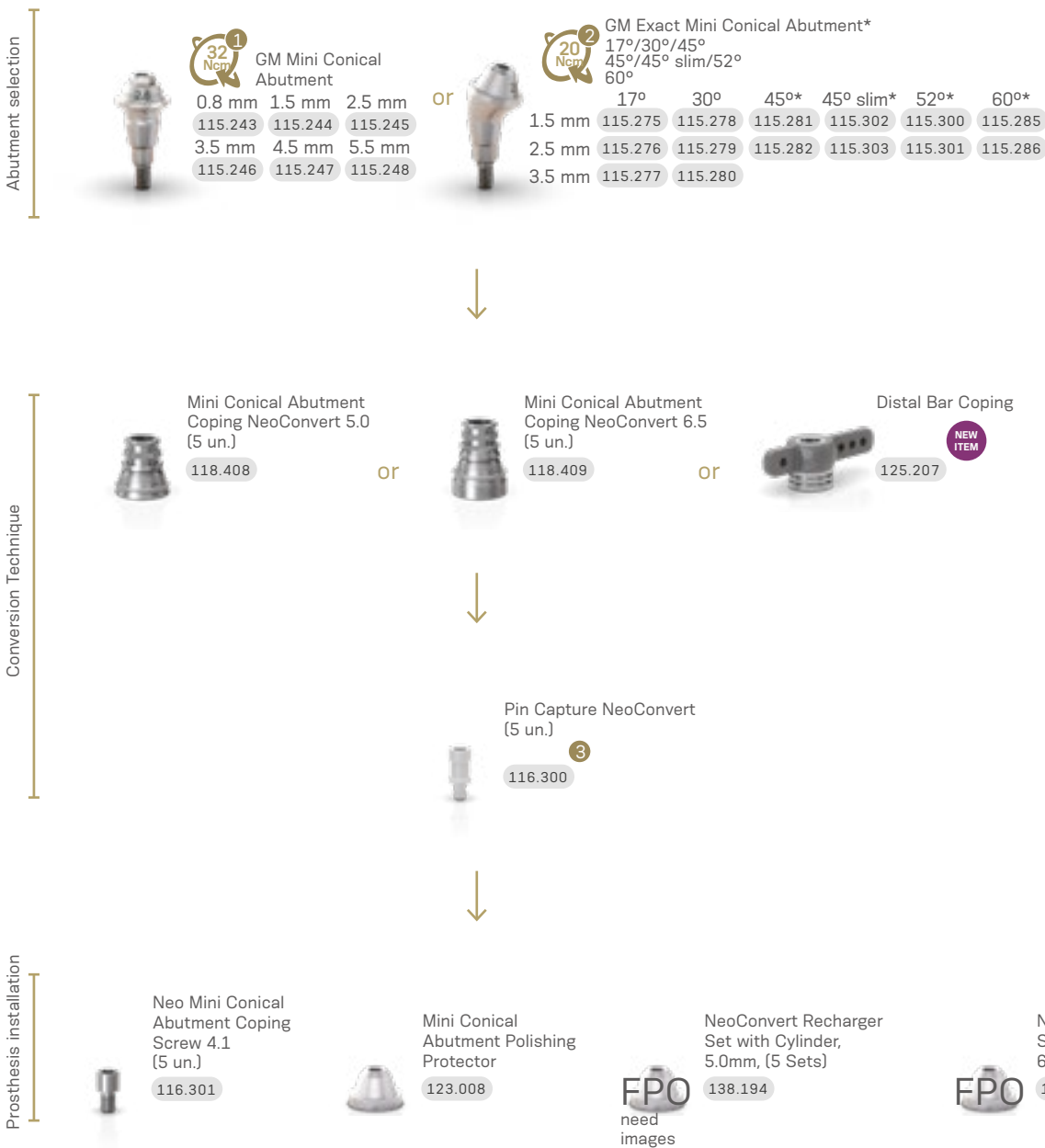


IMMEDIATE FULL ARCH TREATMENT:
ONE STEP CLOSER TO EFFECTIVENESS

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



Installation Sequence



*The 45° Mini Conical Abutment Slim, 45° Mini Conical Abutment and the 52° Mini Conical Abutment are indicated for use only with Zygomia GM and GM Zygomia-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, enabling them to perform immediate protocols with peace of mind, fulfilling patients’ expectations.



DIFFERENTIATE YOUR PRACTICE WITH GUIDED SURGERY.



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



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



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

SURGICAL PREDICTABILITY AND EFFICIENCY WITH A LIMITLESS SOLUTION.

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



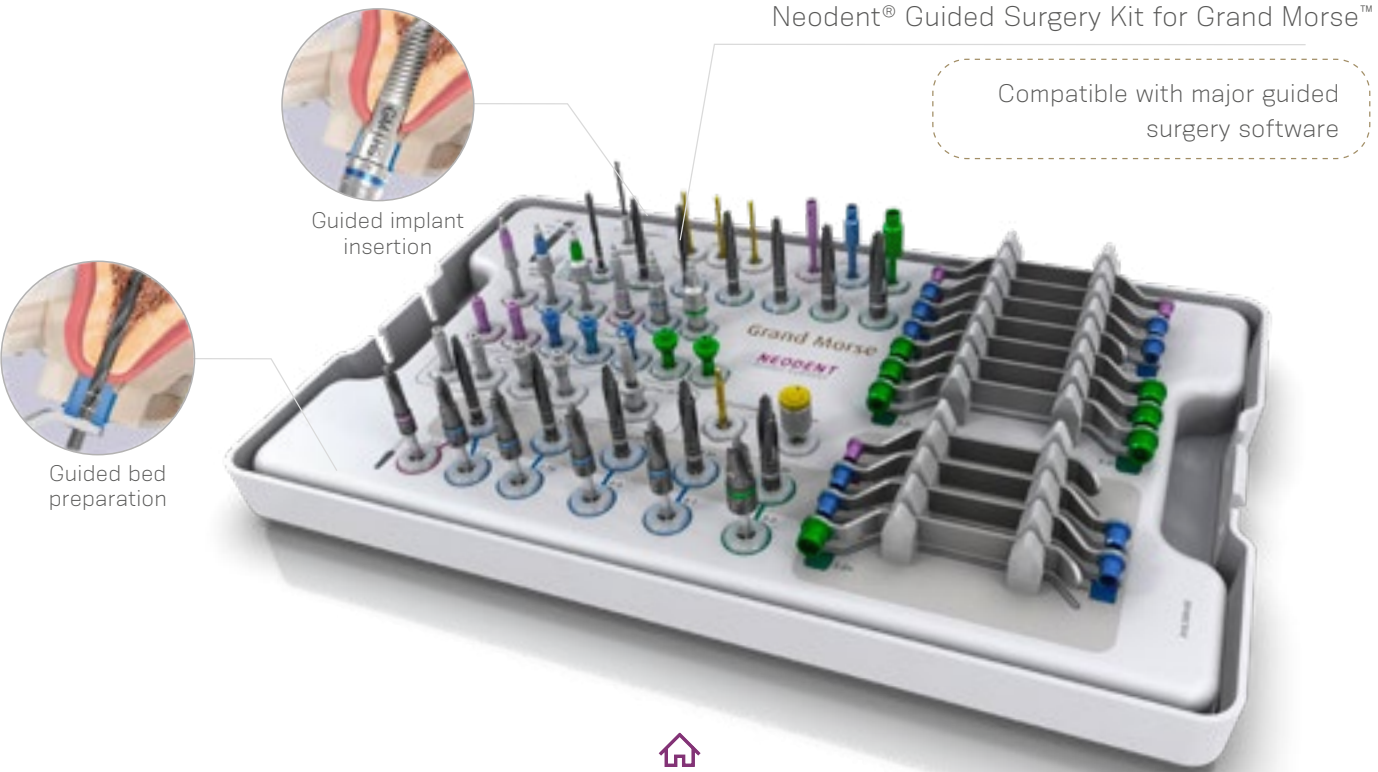
Complete
Helix® and Drive GM
Implants portfolio



Convenient
Color-coded instruments
and symbol-marked



Flexible
2 sleeve height positions



Neodent® Guided Surgery Kit

Grand Morse™ Guided Surgery Surgical Kit

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



Articles

- 110.296 GM Guided Surgery Surgical Kit Case
- 103.395 Guided Surgery 1.3
- 125.100 Guided Surgery Guide Clamp
- 103.429 Narrow Guided Surgery Punch - Contra-Angle
- 103.430 Regular Guided Surgery Punch - Contra-Angle
- 103.431 Wide Guided Surgery Punch - Contra-Angle
- 103.432 Guided Surgery Drill 2.0
- 103.433 Tapered Guided Surgery Drill 3.5*
- 103.434 Tapered Guided Surgery Drill 3.75*
- 103.435 Tapered Guided Surgery Drill 4.0*
- 103.436 Tapered Guided Surgery Drill 4.3*
- 103.437 Tapered Guided Surgery Drill 5.0*
- 103.438 Tapered Guided Surgery Drill 6.0*
- 105.139 Narrow Guided Surgery GM Connection - Contra-angle
- 105.140 Regular Guided Surgery GM Connection - Contra-angle
- 105.141 Wide Guided Surgery GM Connection - Contra-angle
- 105.142 Narrow Guided Surgery GM Connection for Torque Wrench
- 105.143 Regular Guided Surgery GM Connection for Torque Wrench
- 105.144 Wide Guided Surgery GM Connection for Torque Wrench
- 125.130 Narrow Guided Surgery GM Guide Stabilizer
- 125.131 Regular Guided Surgery GM Guide Stabilizer
- 125.132 Wide Guided Surgery GM Guide Stabilizer
- 125.133 Narrow Guided Surgery GM Guide Stabilizer (Long)
- 125.134 Regular Guided Surgery GM Guide Stabilizer (Long)
- 105.145 Guided Surgery GM H11 Connection for Torque Wrench
- 105.136 Neo Screwdriver Torque Connection - Contra-angle (Medium)

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

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

Neodent®

Guided Surgery Instruments



Guided Surgery Tapered Drills

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

	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
105.139	105.140	105.141



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 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



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 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

Sleeves for Neodent® Guided Surgery System

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



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



Ceramic Implant System

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

A new mindset

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



A new flexibility mindset

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

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.

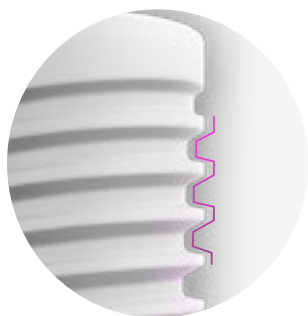
ZILOCK® CONNECTION

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.



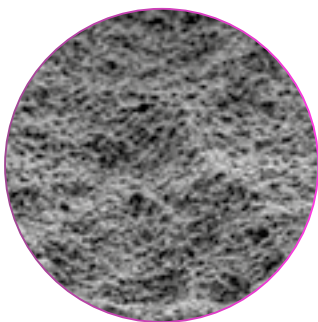
Double trapezoidal thread design.



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.



Neodent Zi Implant Packaging

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

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



Package instruction of use



1. The cardboard and blister packagings must be opened, manually, without the use of sterile gloves. Break the seal of the cardboard packaging and remove the blister. Open the blister pack. Deposit the sterile flask over the surgical field.
NOTE: The clear tube and implant must be handled with a sterile surgical glove, in a surgical environment. Hold the bottle using the non-dominant hand and take the lid off.



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



3. Keep the support stable and remove the lid.



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



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

e-IFU – Electronic Instructions For Use

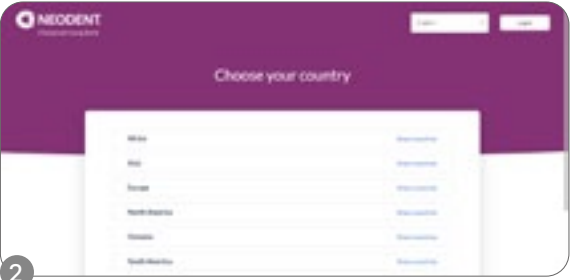
Neodent® innovates once more, providing an on-line platform designed to provide quick and practical use of its own products instructions: the e-IFU (Instructions For Use) website.

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

Access: ifu.neodent.com.br



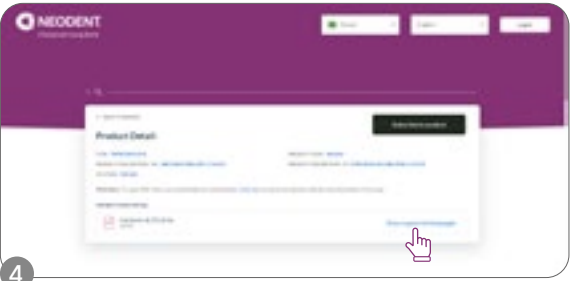
1 To access the IFU website, enter the address above in your browser.



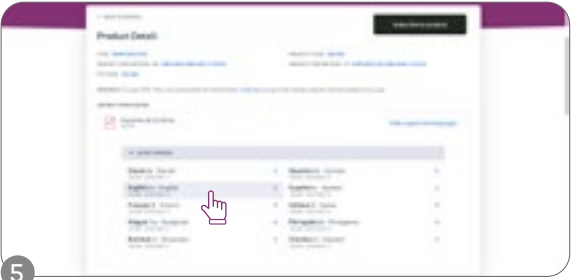
2 Select the country.



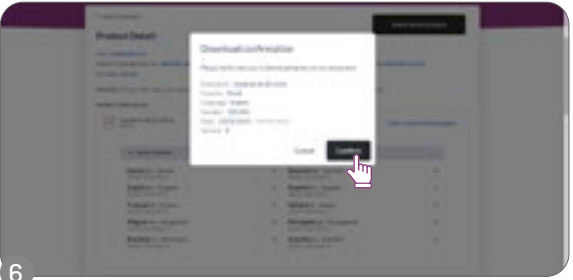
3 Enter the article number in the search field.



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



5 Select the language.



6 Confirm and access the IFU.



Zi Implant

PRODUCT FEATURES:

Implants Description:

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

Indications:

- Indicated for all types of bone density

Drilling features:

- Drilling speed: 800-1200 rpm for bone types I and II
- Drilling speed: 500-800 rpm for bone types III and IV.
- 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

Drill Sequence
for conventional
surgery




Initial drill	Ø2.0 L10	Ø3.75 L10	Ø3.75/4.3 L10	Ø4.3 L10	Bone Tap Ø3.75	Bone Tap Ø4.3
103.170	103.683	103.686	103.689	103.692	111.053	111.052
	L11.5	L11.5	L11.5	L11.5		
	103.684	103.687	103.690	103.693		
	L13	L13	L13	L13		
	103.685	103.688	103.691	103.694		

Ø3.75 mm	✓*	✓	✓	✓		✓		 Bone types I and II
Ø4.3 mm	✓*	✓	✓	✓	✓		✓	
Ø3.75 mm	✓*	✓	✓	✓				 Bone type III
Ø4.3 mm	✓*	✓	✓	✓	✓			
Ø3.75 mm	✓*	✓	✓					 Bone type IV
Ø4.3 mm	✓*	✓	✓	✓				

*Optional


Drill Sequence for guided surgery

Drill Sequence for guided surgery




Mucosa Punch Ø3.75

103.695




Mucosa Punch Ø4.3

103.696




Leveling drill Ø3.75

103.680




Leveling Drill Ø4.3

103.681



Initial drill guided

103.682



Ø2.0 L10


103.683

L11.5

103.684

L13

103.685



Ø3.75 L10


103.686

L11.5

103.687

L13

103.688



Ø3.75/4.3 L10


103.689

L11.5

103.690

L13

103.691



Ø4.3 L10


103.692

L11.5

103.693


L13

103.694













































Bone Tap Ø3.75

111.053



Bone Tap Ø4.3

111.052

Ø3.75 mm												 Bone types I and II
Ø4.3 mm												
Ø3.75 mm												 Bone type III
Ø4.3 mm												
Ø3.75 mm												 Bone type IV
Ø4.3 mm												


*Optional

- 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				Ø4.3			
	180.002	180.003	180.004		180.006	180.007	180.008

Zi Cover Screw

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

Zi Healing Abutments

	Profile	1.5 mm	2.5 mm	3.5 mm	4.5 mm
Ø3.75	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.					



Peek CR Abutment



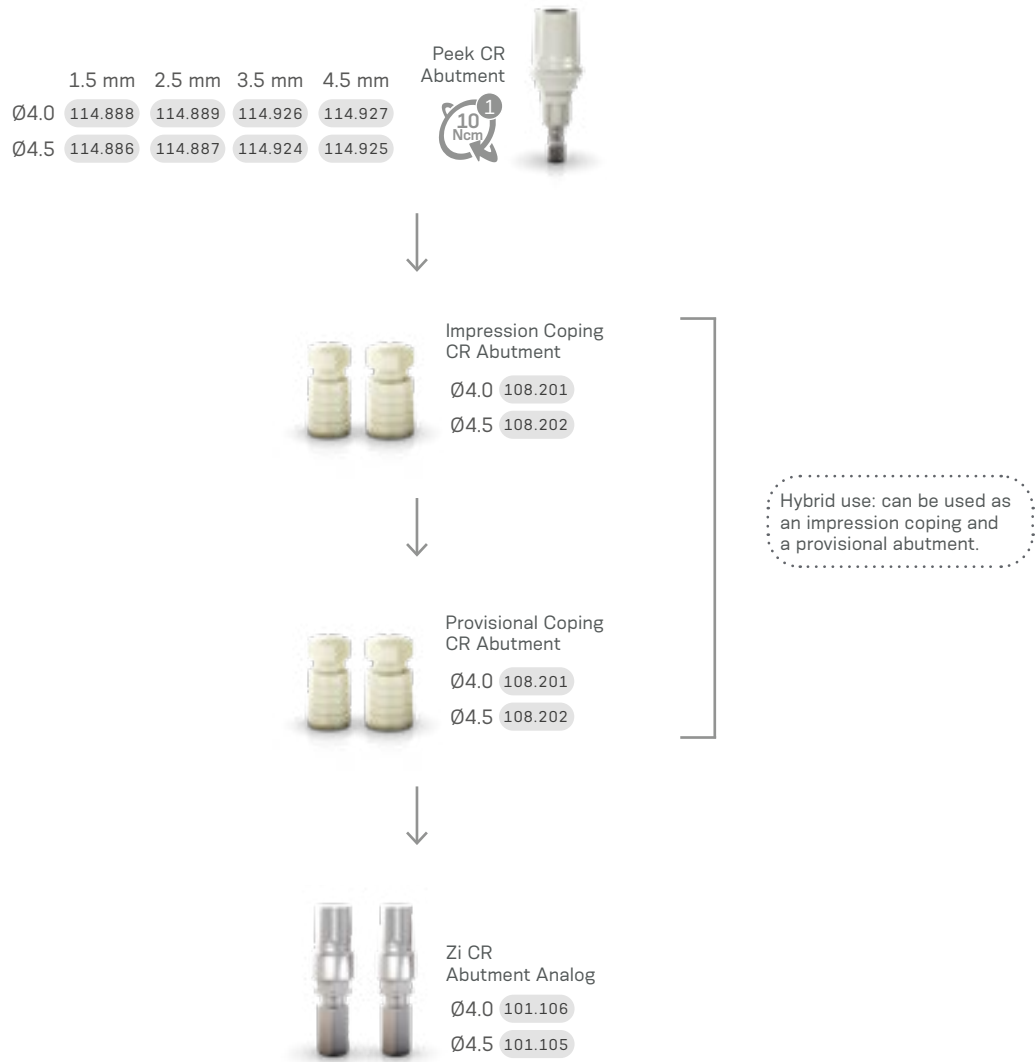
Single-unit cement-retained temporary prosthesis



Ø4.0/4.5 mm



Installation Sequence



Zi Base



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



Ø3.75/4.5 mm



Installation Sequence



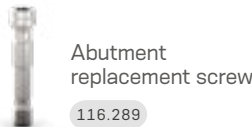
Drivers



Drivers



Accessories



Zi CR Abutment



Single-unit
cement-
retained
prosthesis



Ø4.0/4.5 mm


Neo screwdriver connection;

Chimney height: 5.0 mm;

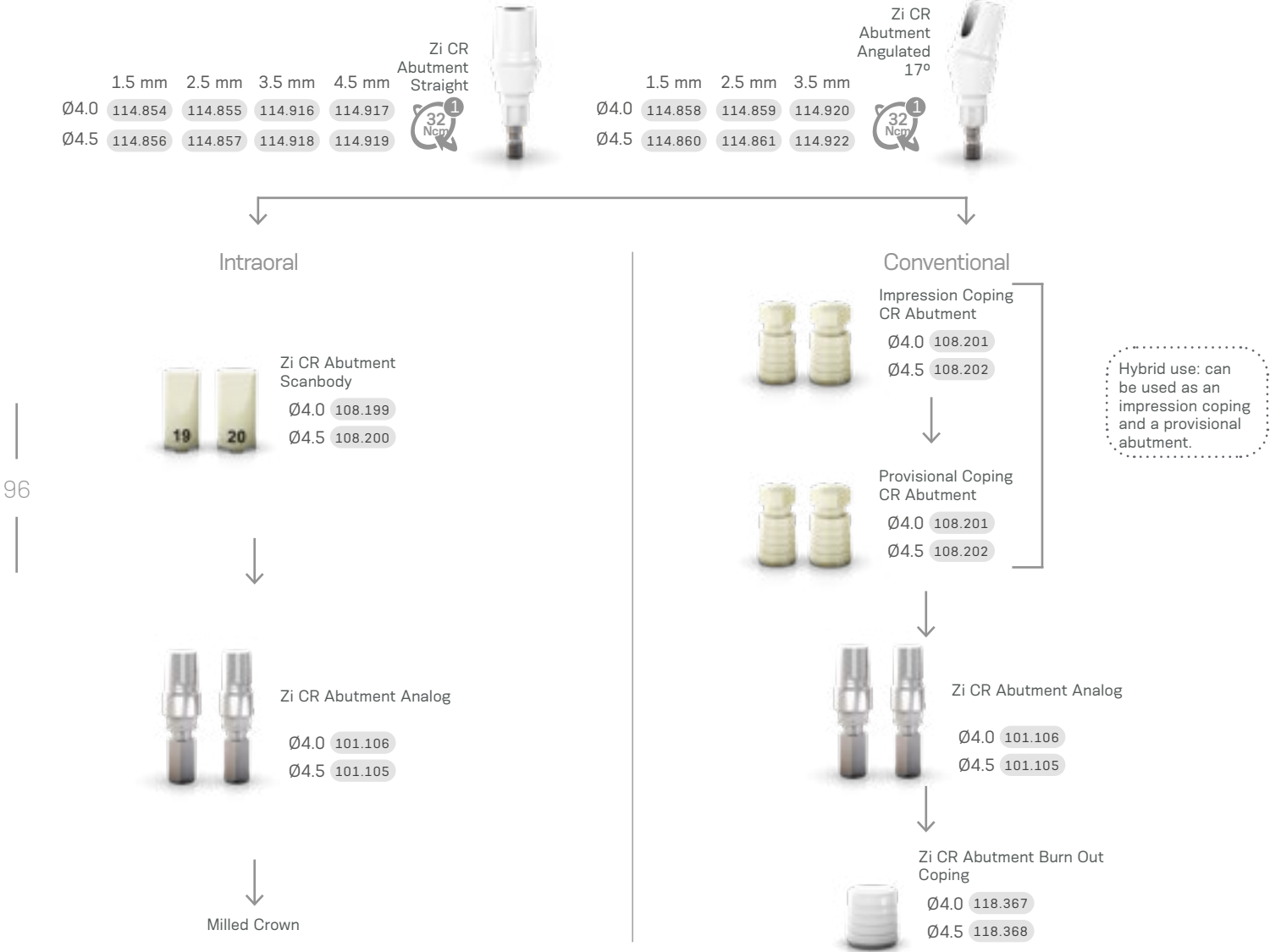
Gingival height: 1.5, 2.5, 3.5 & 4.5 mm;
Gingival height: 1.5, 2.5 & 3.5 mm;

ZiLock® Connection;

Removable screw.



Installation Sequence



Drivers

1




+



Torque Wrench

Accessories



Abutment replacement screw

116.289



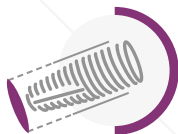
Zi Guided Surgery: Supporting Precision and predictability

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.*



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.

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

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



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.

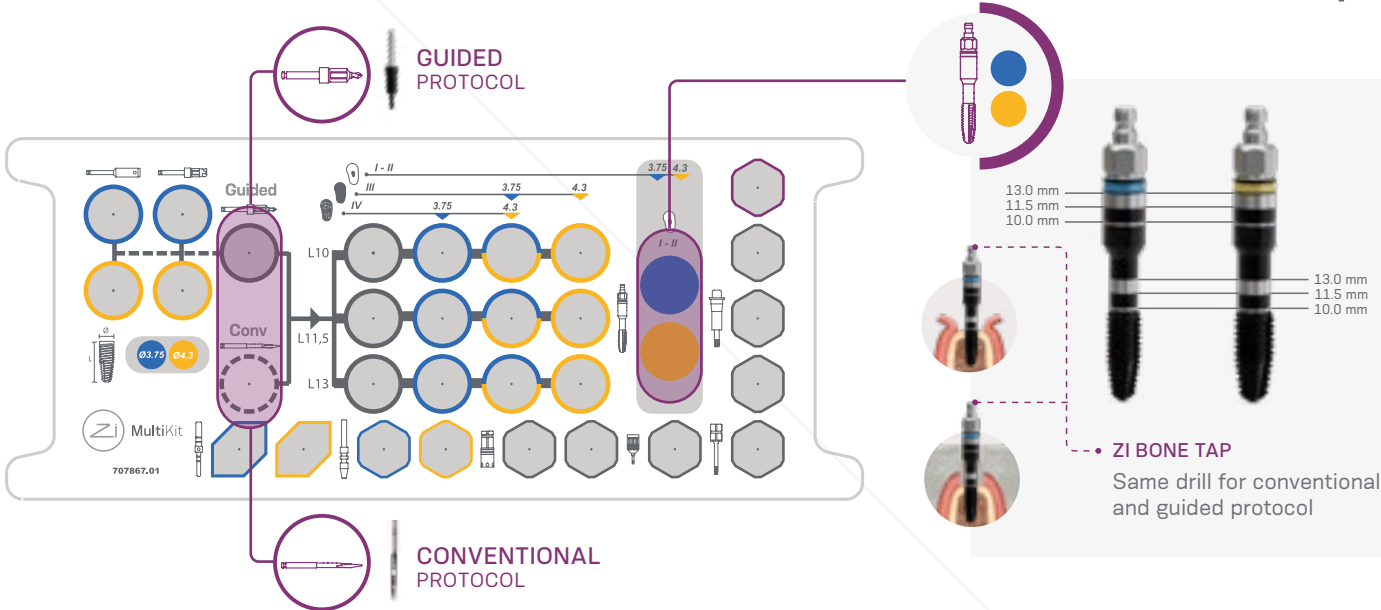


DIAMETER ● Ø3.75 ● Ø4.3

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



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



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;

105.174

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

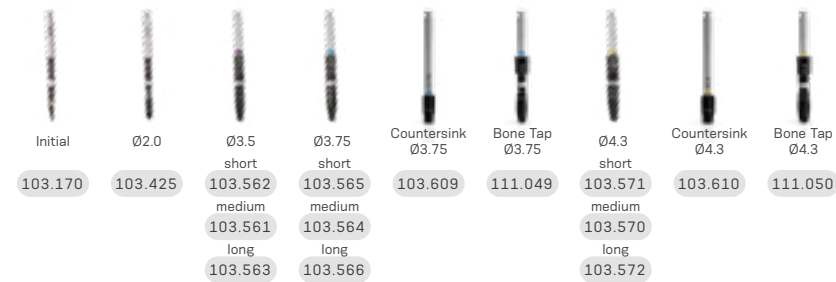
Torque Wrench

:: 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® Techniques

One Step Hybrid Technique

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



	Neo Mini Conical Abutments Copings One Step Hybrid Technique		
	:: For installation, use the Neo Torque Connection (105.132); :: For torque control, use Torque Wrench (104.050).		
	Burn-out 118.340	Brass 118.331	Titanium 118.382
			Sealing pin mini conical abutment one step hyb cop (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 118.341	Brass 118.333	Titanium 118.381

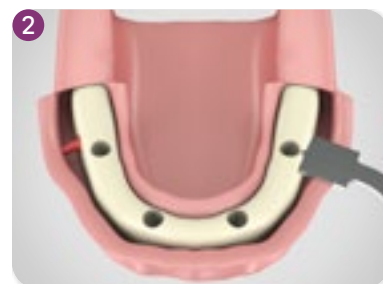
	Neo Working Screw One Step Hybrid	
	:: For laboratory use.	
		116.271



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.



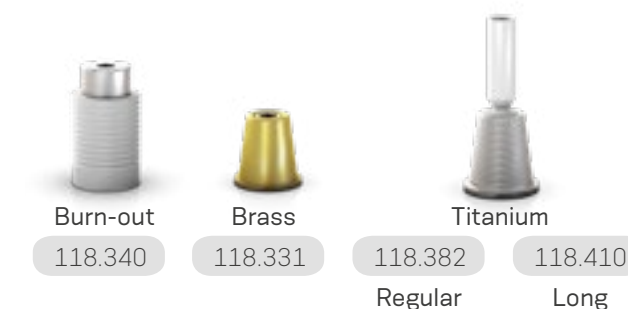
Removal of Multi-Functional Guide and placement of Analogs to the impression copings.



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.



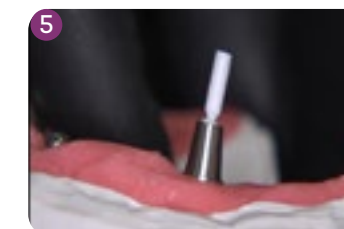
Brass Copings are placed over analogs, then Burn-out Copings are fixed by working screws.



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 overflown cement excess as well as the sealing pin.



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



Option 2- Digital Workflow for milled Zirconia Bar

Neo Mini Conical Abutment Coping Base



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.



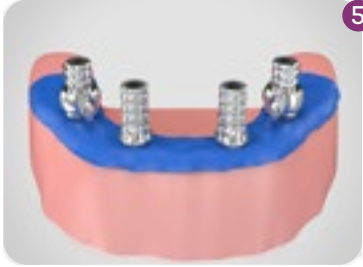
2 Prostheses wearing, keeping posterior region integrity.



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.



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 118.408
6.5 mm 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

Demonstration Sequence



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.



Digital Solutions

Neodent® Digital Libraries



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

EXCEL With Custom Prosthetics

Straumann UN!Q™ empowers you with premium services to outsource the planning, design and manufacturing of your custom implant prosthetics on demand, based on your specific needs. To learn more visit www.straumann.com/us/en/dental-professionals/digital-performance/production-planning-services/straumann-uniq.html.

Scanbody

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



- 108.207 GM Exact Implant Intraoral Scanbody
- 108.218 GM Mini Conical Abutment Scanbody (intraoral and model)
- 108.219 GM Micro Abutment (intraoral and model)
- 108.220 GM Abutment (intraoral and model)
- 108.221 NGM Implant Scanbody
- 108.222 Zi Implant Scanbody
- 108.226 HS Implant Scanbody
- 108.228 Scan Base C GM, titanium 0.8 mm (intraoral)
- 108.229 Scan Base C GM, titanium 1.5 mm (intraoral)
- 108.230 Scan Base C GM, titanium 2.5 mm (intraoral)
- 108.231 Scan Base C GM, titanium 3.5 mm (intraoral)
- 108.232 Scan Base C GM, titanium 4.5 mm (intraoral)
- 108.233 Scan Base C GM, titanium 5.5 mm (intraoral)



Compatible with
Neo Screwdriver

Hybrid Repositionable Analog

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



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



General Instruments

Torque Wrench

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

104.050



Operational Instructions

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

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



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

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



The Neodent® Torque Wrench comes with pre-calibrated torques



Titanium Tweezers

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

129.001



Depth Probe

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

129.004



7 and 9 mm Space Planning Instrument

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

128.026



Surgical Labial Retractor

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

124.001



Anthogyr® Torq Control®

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

15501



Columbia Retractor

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

124.003



Scapel Handle

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

129.008

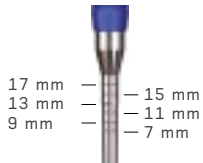


Bivers Handle

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

129.002





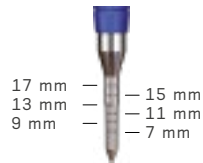
17 mm
13 mm
9 mm

— 15 mm
— 11 mm
— 7 mm

Concave Osteotome

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

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



17 mm
13 mm
9 mm

— 15 mm
— 11 mm
— 7 mm


Convex Osteotome

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

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

Osteotomes Kit Case

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



110.262


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



0.35 mm

Trephine Bur

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

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




Sinus Lift Curette

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



1 3 4 5 7


126.008 126.009 126.010 126.011 126.012



Complement Case

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


110.270



Handle Implant Driver

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


104.047



Analog Handle

:: Used for tightening analogs and milling prosthetic abutments.

104.036



Prosthetic Surgical Guide

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

Guide	Pin
103.092	103.093



Neodent® Helix GM Narrow

SMALL DIAMETER, GREAT ACHIEVEMENTS.

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

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



DESIGNED FOR STRONG AND STABLE IMPLANT PLACEMENT

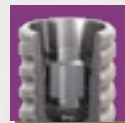
Implant therapy for demanding indications, such as reduced interdental spaces, can raise concerns regarding resistance and biomechanical behavior. Therefore, features of an implant-abutment interface are essential to provide successful long-term functional, stable, and esthetic results.

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

RELIABLE AND STRONG GM NARROW CONNECTION

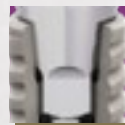
16° Morse Taper connection

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



Internal hexagonal indexation

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



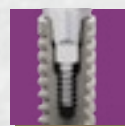
Platform switching

The abutment design features a narrower diameter than the implant coronal area, which enables platform switching. ⁽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). Static torsion tests have been conducted providing a greater performance than the former small diameter Neodent® system (Ti6Al4V-ELI).

ACQUA HYDROPHILIC SURFACE'S AND TREATMENT PREDICTABILITY

The Neodent® ACQUA hydrophilic surface is the next level of the highly successful S.L.A. surface. It was developed to reach expected results outcomes even in patient cases, such as soft bone or immediate protocols. ⁽¹⁻⁴⁾



SIMPLICITY FOR TREATMENT PROTOCOLS

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

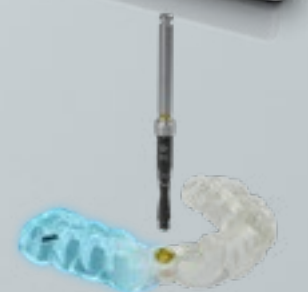
An intuitive and functional compact surgical cassette

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



A predictable guided procedure with the easyguide concept

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



One Screwdriver available both for Neodent® GM and GM Narrow

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





FLEXIBILITY FOR IMMEDIATE ESTHETIC OUTCOMES

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

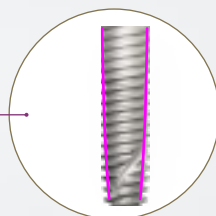
The versatile Neodent® Helix GM Narrow system combines a Ø2.9mm Helix implant, with a comprehensive prosthetic portfolio to restore cases in limited bone availability and interdental spaces, for immediate esthetic results.

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

THE UNBEATABLE VERSATILITY OF HELIX

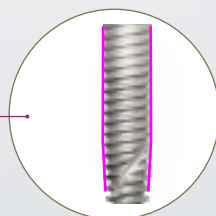
Dynamic progressive thread design

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



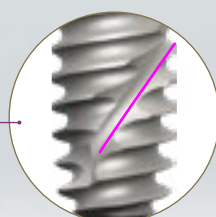
Tapered body design

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



Hybrid contour

- Coronal: Cylindrical;
- Apex: Conical.



Active Apex

- Short tip;
- Helicoidal flutes.



A SOLUTION FOR LIMITED BONE AVAILABILITY IN ALL BONE TYPES

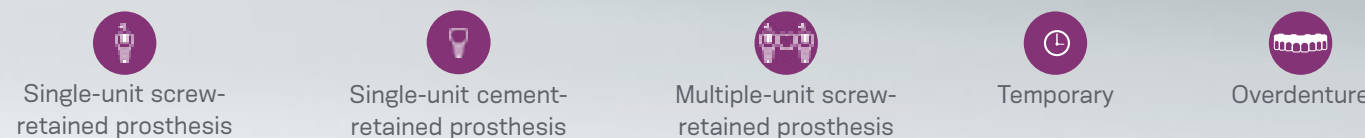
Indicated for all bone types, the Neodent® Helix GM Narrow is specifically engineered to address esthetic challenges in situations with limited bone, thanks to its small diameter implant of 2.9mm.



COMPREHENSIVE PROSTHETIC PORTFOLIO FOR OPTIMIZED ESTHETIC AND FUNCTIONAL RESULTS

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

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



Neodent® Helix GM Narrow Implant Packaging

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

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



Package instruction of use



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

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



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



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



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



5. Take the implant to the surgical cavity.



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

e-IFU – Electronic Instructions For Use

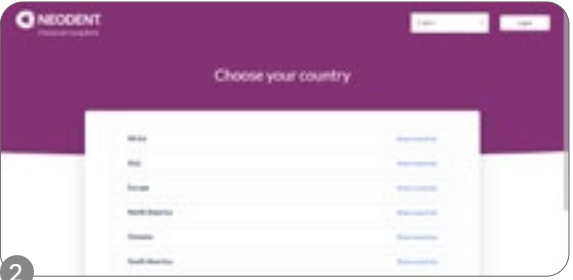
Neodent® innovates once more, providing an on-line platform designed to provide quick and practical use of its own products instructions: the e-IFU (Instructions For Use) website.

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



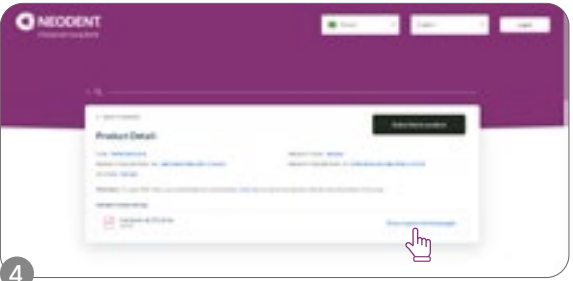
1 To access the IFU website, enter the address above in your browser.



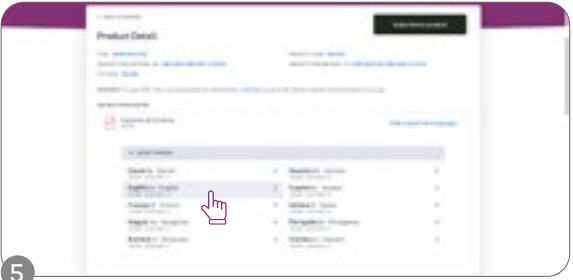
2 Select the country.



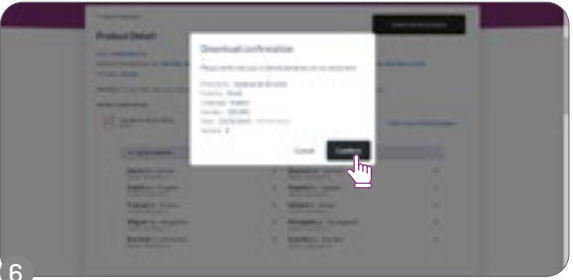
3 Enter the article number in the search field.



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



5 Select the language.



6 Confirm and access the IFU.



Helix GM Narrow

PRODUCT FEATURES:

Implants Description:

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

Indications:

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

Drilling features:

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

Available with:

acqua



Drill Sequence for conventional surgery

	Initial 103.586	Ø2.0 10 mm 103.589	Ø2.0 12 mm 103.590	Ø2.0 14 mm 103.591	Ø2.9 10 mm 103.592	Ø2.9 12 mm 103.593	Ø2.9 14 mm 103.594	Countersink 103.595
10 mm	✓	✓			✓			✓
12 mm	✓		✓			✓		✓
14 mm	✓			✓			✓	✓

*Optional / Bone types I and II

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

*Optional / Bone types III and IV

Drill Sequence for guided surgery

	Mucosa Punch 103.585	Leveling Drill 103.587	Initial 103.588	Ø2.0 10 mm 103.589	Ø2.0 12 mm 103.590	Ø2.0 14 mm 103.591	Ø2.9 10 mm 103.592	Ø2.9 12 mm 103.593	Ø2.9 14 mm 103.594	Countersink 103.595
10 mm	✓*	✓*	✓	✓			✓			✓
12 mm	✓*	✓*	✓		✓			✓		✓
14 mm	✓*	✓*	✓			✓			✓	✓

*Optional / Bone types I and II

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

*Optional / Bone type III

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

*Optional / Bone type IV

Helix GM Narrow Implants

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

NGM Cover Screw


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

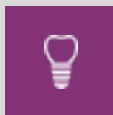
Ø3.5 mm


Recommended for anterior region.

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



NGM Universal Abutment

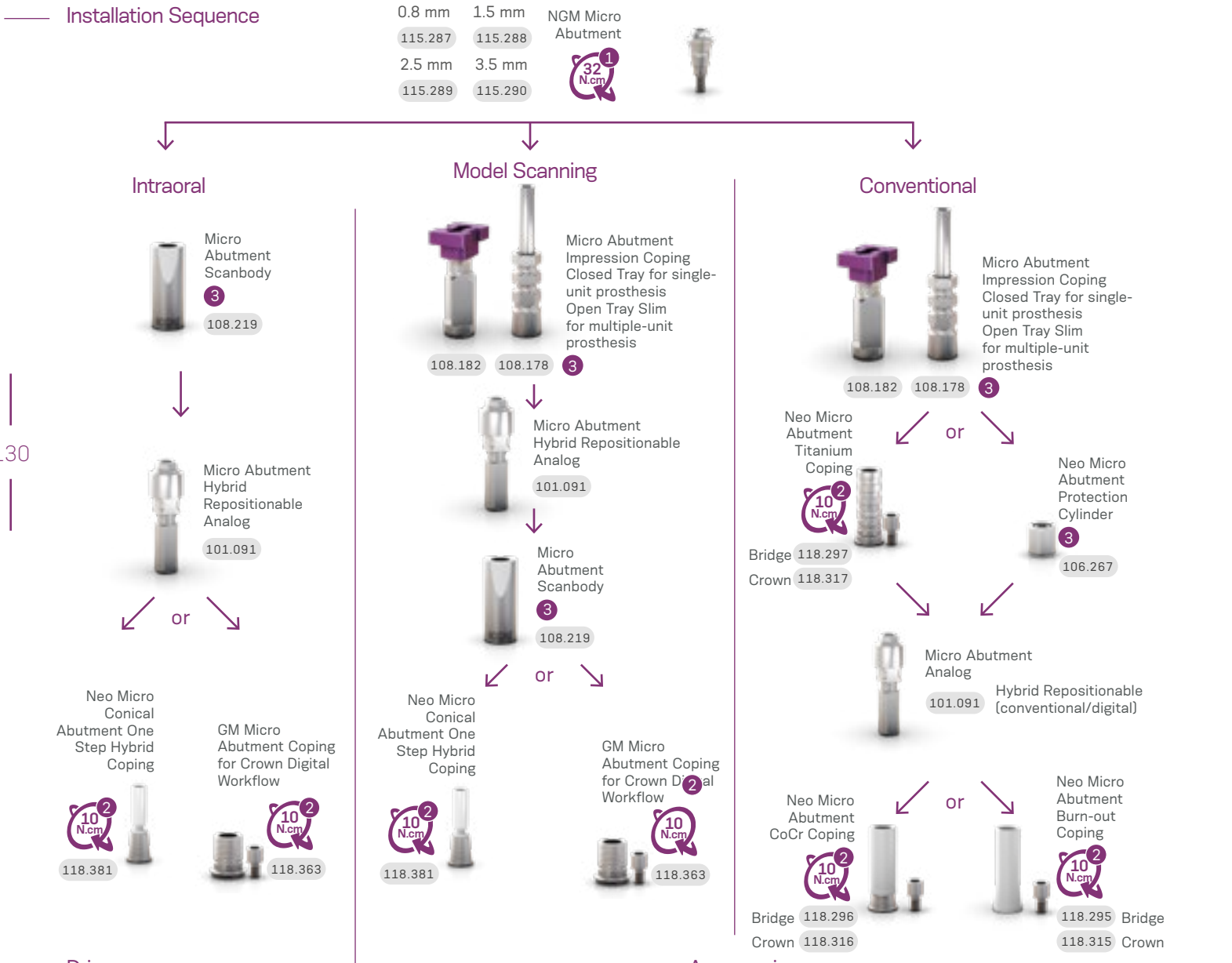
Single-unit cement-retained prosthesis

Ø3.3 mm

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



Installation Sequence



130


Installation Sequence




131

Drivers

Hexagonal Prosthetic Driver + Torque Wrench

Neo Screwdriver Torque Connection + Torque Wrench

Neo Screwdriver Torque Connection + Manual Screwdriver Torque



Accessories

Micro Abutment Polishing Protector 123.015 Bridge


Replacement Coping Screw 116.269 Titanium




Drivers


Neo Screwdriver Torque Connection + Torque Wrench


Accessories

Replacement Sterile Screws 116.294 Titanium

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;



NGM Temporary Abutment

Single-unit screw-retained temporary prosthesis


Ø3.5

Channels of customizations;

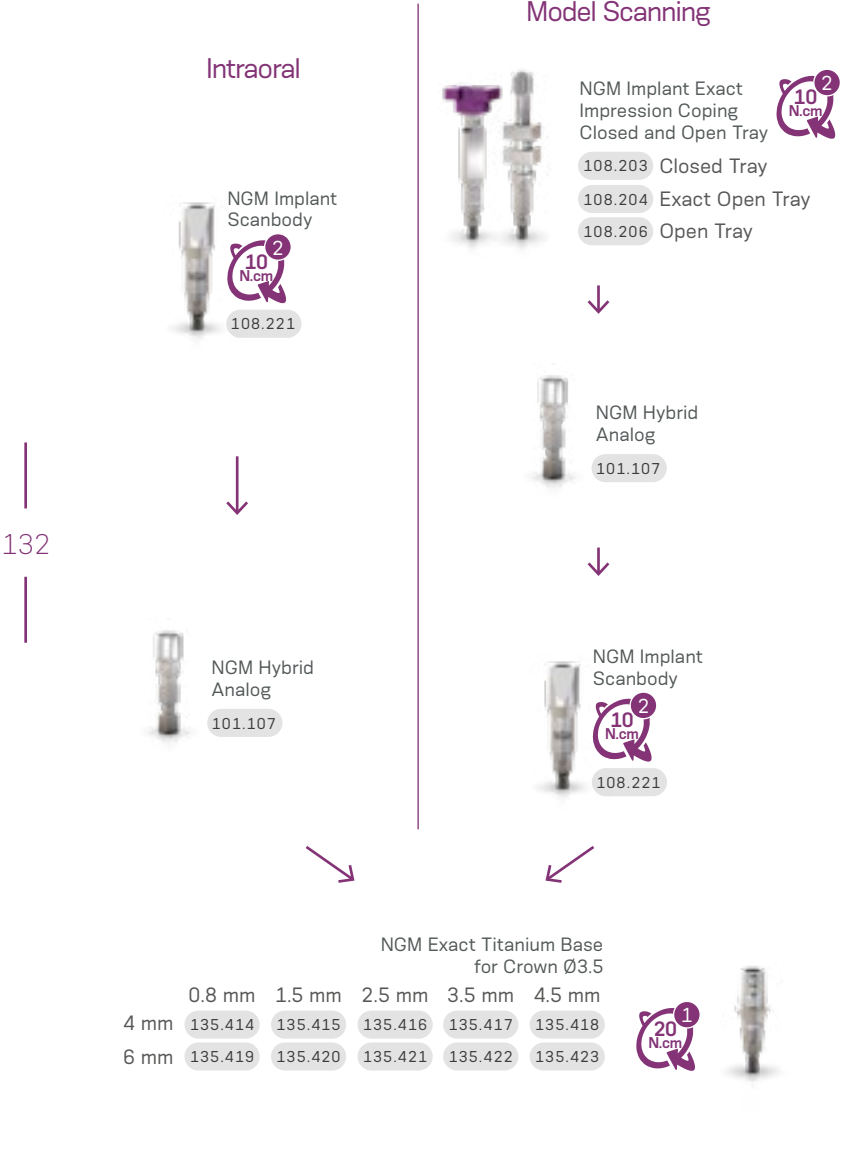
Retention portion height: 10 mm customizable up to 4 mm;

Exact.

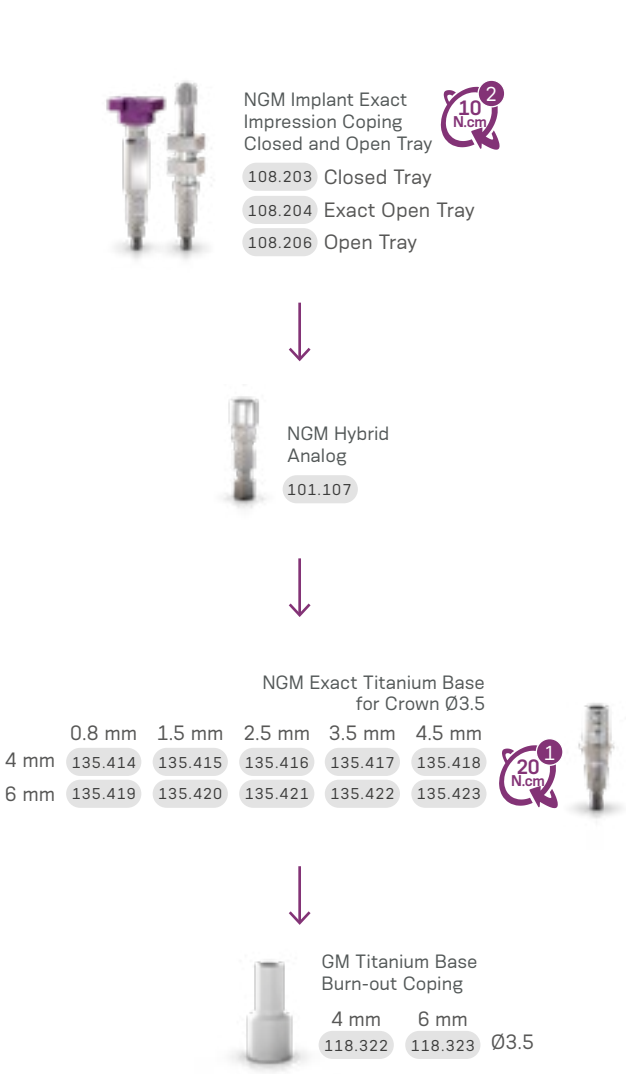
Neo Removable screw;



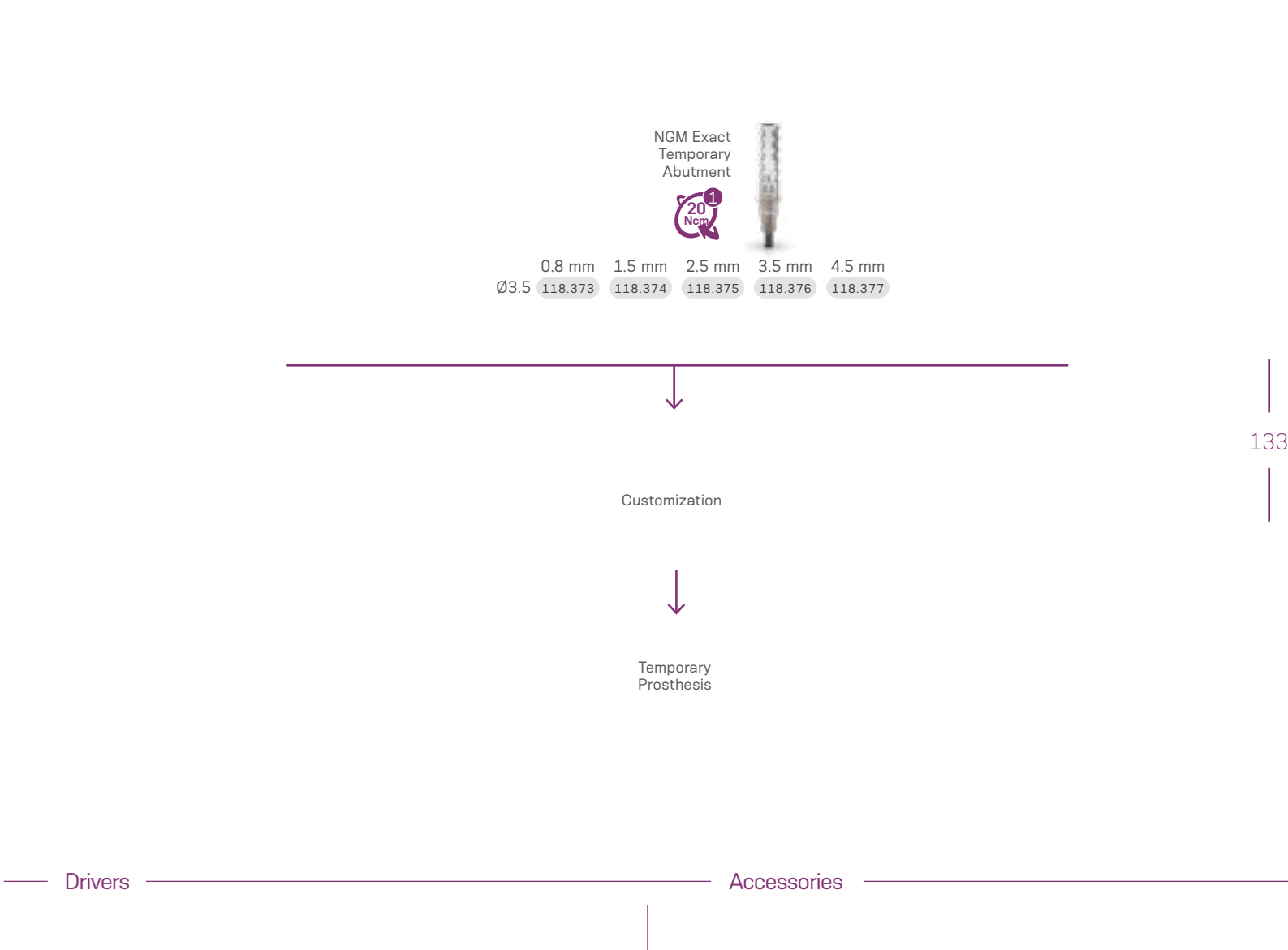
Installation Sequence



Conventional



Installation Sequence



Drivers

1

Neo Screwdriver Torque Connection

+



Torque Wrench

2


Neo Screwdriver Torque Connection

+



Manual Screwdriver Torque

Accessories



Replacement Sterile Screws
116.294 Titanium

Drivers

1

Neo Screwdriver Torque Connection

+



Torque Wrench

Accessories



Replacement Sterile Screws
116.294 Titanium



GM Attachment TIN

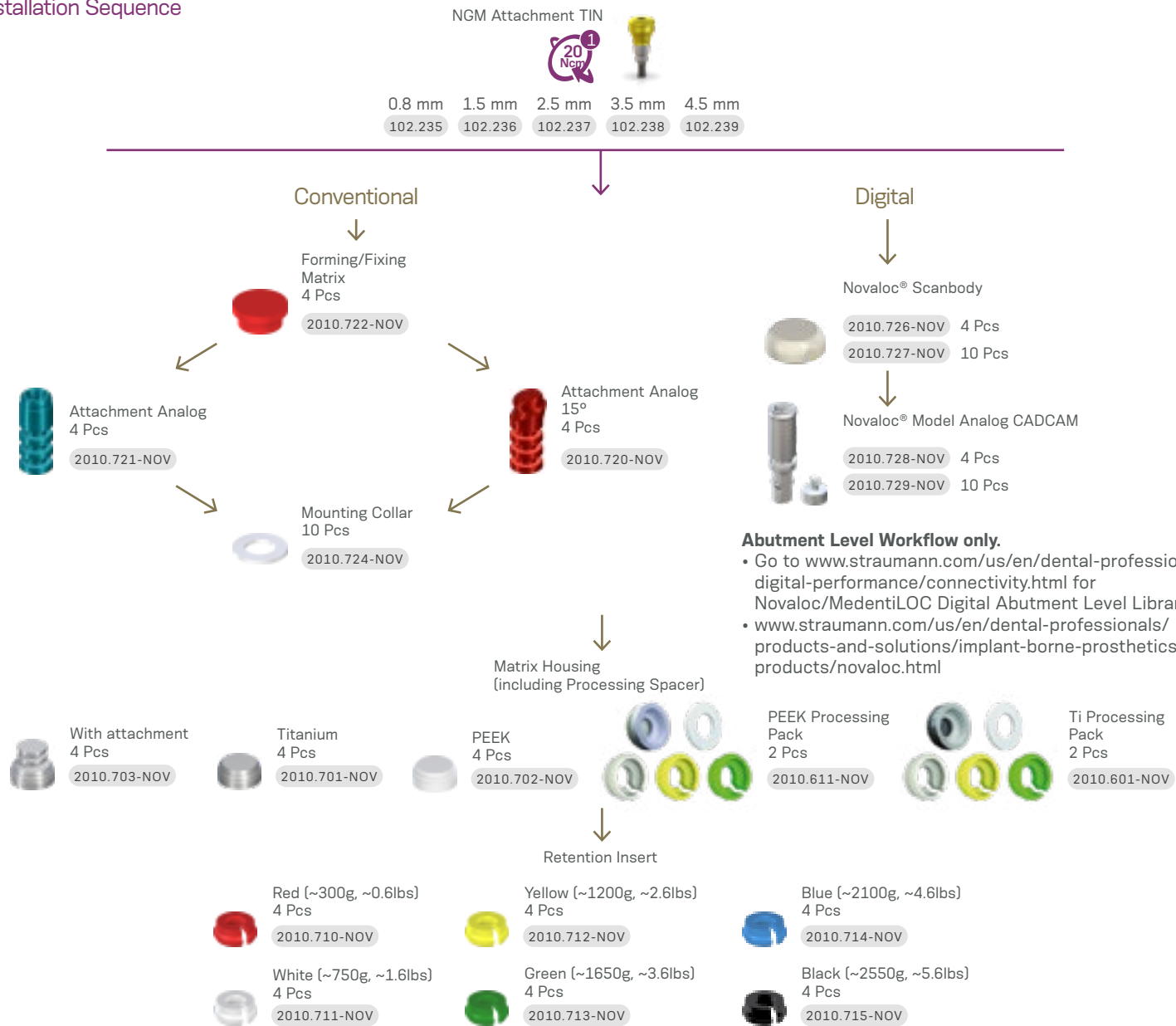


Overdenture

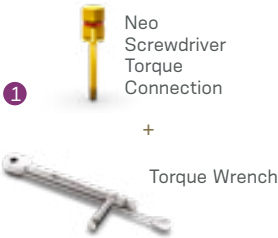


Installation Sequence

134



Drivers



Accessories



GM Narrow Kit

GM Narrow Surgical Kit

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



Articles

110.315	Helix NGM Compact Surgical Kit Case	103.674	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



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
105.137	105.044	105.009



Torque Wrench

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

104.050



Sleeve D2.93

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

125.180

Neodent® Helix Short

EXPLORE NEW LEVELS



A SOLUTION FOR VERTICAL BONE ATROPHY

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



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

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

Features built into its design include:

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



THE HELIX SHORT CONNECTION: A STABLE FOUNDATION FOR CHALLENGING REHABILITATIONS

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

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

ACQUA HYDROFILIC SURFACES AND TREATMENT PREDICTABILITY¹⁻⁴

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



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

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

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

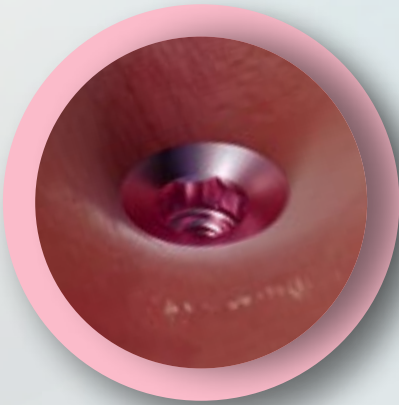


Transmucosal collar: Smooth surface optimized for lower bacterial adhesion.²¹



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

FEATURING SOFT TISSUE MANAGEMENT AND FOR ESTHETIC OUTCOMES.



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

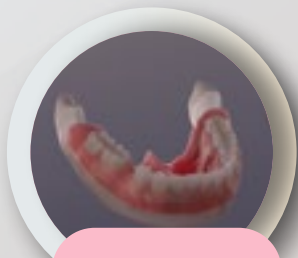
*For 4 mm and 5.5 mm implants cannot expect immediacy concept.



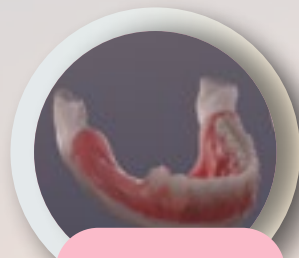


VERSATILE PROSTHETIC RESOLUTIONS AND ANATOMICAL COMPATIBILITY

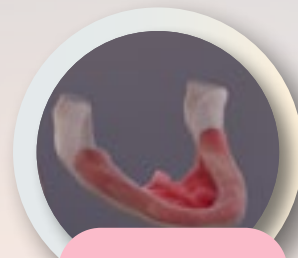
The Helix Short provides a versatile prosthetic solution for cases of low vertical bone availability. From single units to full arch restorations*, the system provides clinicians tools and a comprehensive prosthetic portfolio designed to treat prevalent and challenging clinical situations.



Single-unit*



Multi-unit*



Full-arch*

MEET YOUR PATIENT EXPECTATION FOR PREVALENT AND CHALLENGING CASES.

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



Single-unit screw-retained prosthesis



Single-unit cement-retained prosthesis



Temporary



Multiple-unit screw-retained prosthesis



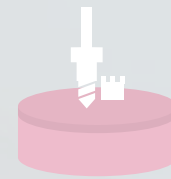
Overdenture

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

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

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

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



MORE PREDICTABILITY FOR CHALLENGING SURGICAL PROCEDURES

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



BUILD CONFIDENCE DURING DRILLING BY GAINING MORE PREDICTABLE DEPTH CONTROL.

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



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

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



Neodent® Helix Short Implant packaging and placement

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

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



Instructions on opening the implant package



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



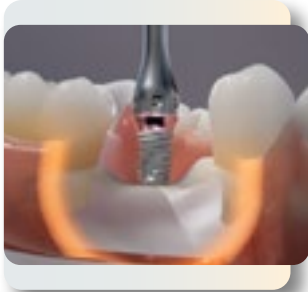
2. Hold the bottle using the non-dominant hand and take the lid off. The internal support containing the implant should come out attached to the lid. To do so, remove the lid and the clear tube’s internal support in the axial direction making no lateral movements.



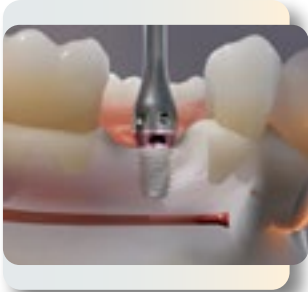
3. Using the non-dominant hand, press the sides of the internal support promoting a “pincer effect” and immobilizing the implant. Keep the support pressed and remove the lid.



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



5. Take the implant to the surgical cavity.



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

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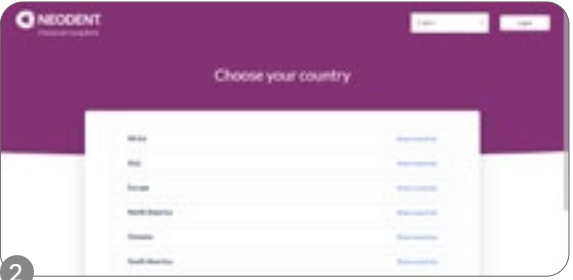
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Access: ifu.neodent.com.br



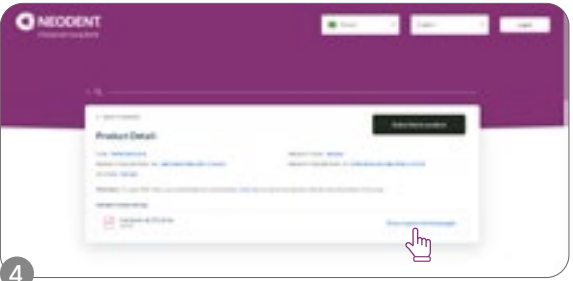
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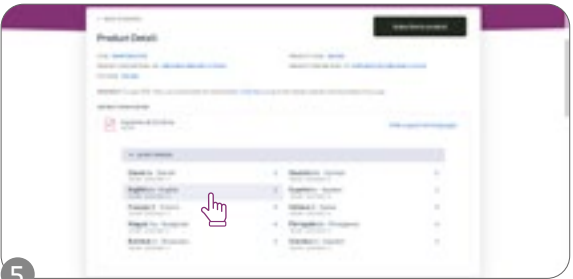
2 Select the country.



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.



Helix Short

PRODUCT CHARACTERISTICS:

Description of the implant:

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

Indications:

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

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












Osteotomy:

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

Available in:



Drill Sequence

	 Twist Ø2.0 103.621	 Tapered Ø2.7 103.597	 Tapered Ø3.75 103.607	 Tapered Ø3.75+ 103.608	 Tapered Ø4.0 103.598	 Tapered Ø4.0+ 103.599	 Tapered Ø5.0 103.600	 Tapered Ø5.0+ 103.601	 Tapered Ø6.0 103.602	 Tapered Ø6.0+ 103.603	 Tapered Ø7.0 103.604	 Tapered Ø7.0+ 103.605	 Bone Profile 103.606
Ø3.75 mm	✓ *	✓	✓	✓									✓ *
Ø4.0 mm	✓ *	✓	✓ *		✓	✓							✓ *
Ø5.0 mm	✓ *	✓	✓ *		✓		✓	✓					✓ *
Ø6.0 mm	✓ *	✓	✓ *		✓		✓		✓	✓			
Ø7.0 mm	✓ *	✓	✓ *		✓		✓		✓		✓	✓	
*Optional/Bone types I and II 													
Ø3.75 mm	✓ *	✓	✓										
Ø4.0 mm	✓ *	✓	✓ *		✓								
Ø5.0 mm	✓ *	✓	✓ *		✓		✓						
Ø6.0 mm	✓ *	✓	✓ *		✓		✓		✓				
Ø7.0 mm	✓ *	✓	✓ *		✓		✓		✓		✓		
*Optional/Bone types III and IV 													

Helix Short **GM®** Implants

		4.0 mm	5.5 mm	7.0 mm	8.5 mm			4.0 mm	5.5 mm	7.0 mm	8.5 mm
Ø3.75	Acqua					Ø4.0	Acqua				
		140.1082	140.1083	140.1084	140.1085			140.1066	140.1067	140.1068	140.1069
Ø5.0	Acqua					Ø6.0	Acqua				
		140.1070	140.1071	140.1072	140.1073			140.1074	140.1075	140.1076	140.1077
Ø7.0	Acqua					Ø8.0	Acqua				
		140.1078	140.1079	140.1080	140.1081			140.1082	140.1083	140.1084	140.1085

HS Cover Screw



117.025

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

HS Healing Abutments



106.270 1.5 / 2.5

106.273 1.5 / 2.5 / 3.5 / 4.5 / 5.5

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



HS Mini Conical Abutment

Multiple-unit
screw-retained
prosthesis
(bridge)

Ø4.8 mm

Allow an additional
1.5 to 2.0 mm of
restorative material;

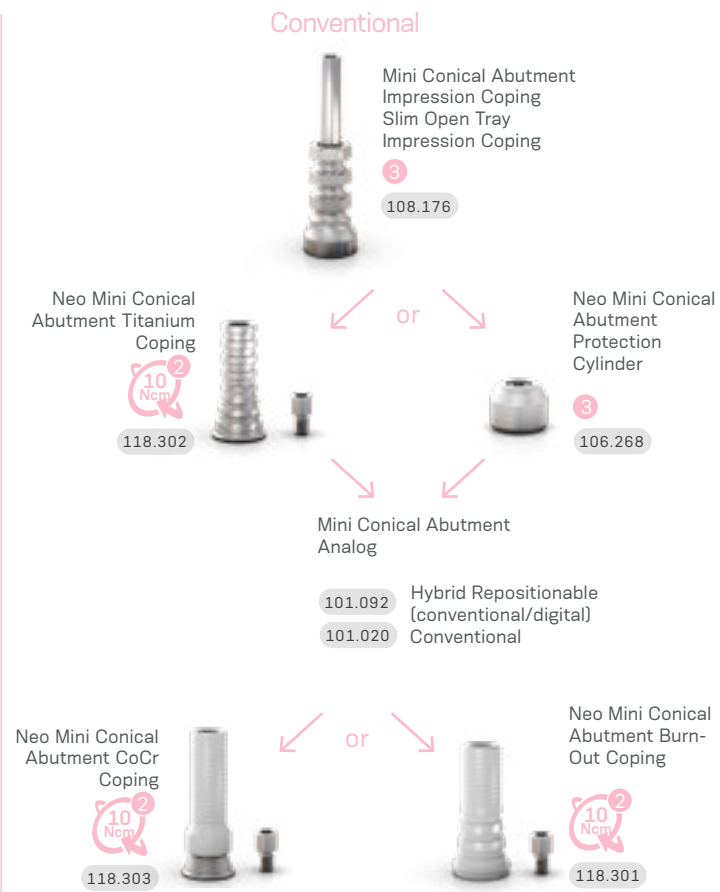
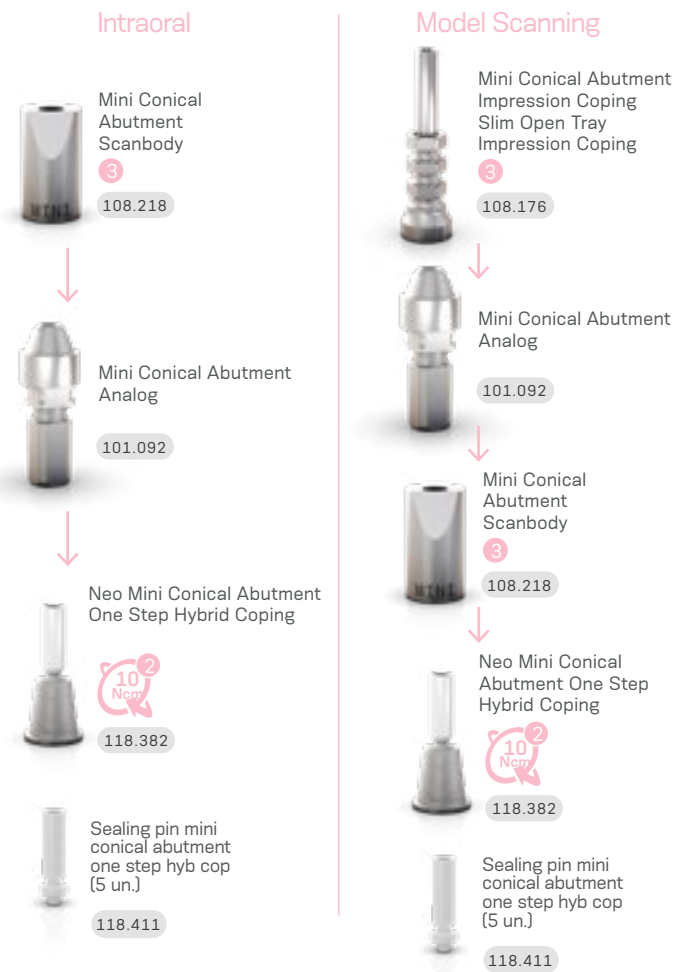
Minimum interocclusal
space of 4.5 mm from
the mucosa level;



Installation Sequence

0.2 mm	1.5 mm	HS Mini Conical Abutment	or	HS Exact Mini Angled Abutment 17°	0.6 mm	1.5 mm
115.291	115.292	1		2	115.296	115.297
2.5 mm	3.5 mm	4.5 mm			2.5 mm	3.5 mm
115.293	115.294	115.295			115.298	115.299

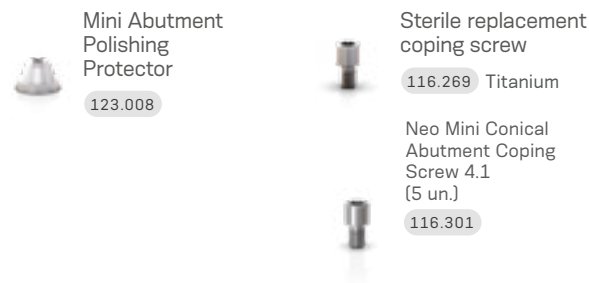
148



Drivers



Accessories



HS Exact Titanium Base

Single-unit
screw-retained
prosthesis
(crown)

Single-unit
cement-retained
prosthesis
(crown)

Ø4.5 mm

Customizable up to 4 mm high;

Cementable Height: 4.0 and 6.0 mm;

Exact;

Neo Removable Screw.

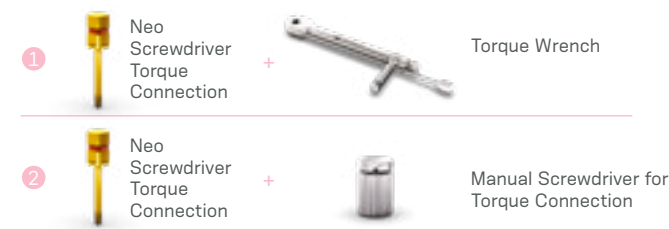


Installation Sequence

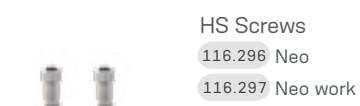


149

Drivers



Accessories



HS Titanium Base for Bridge

Multi-unit screw-retained prosthesis


Multi-unit cement-retained prosthesis

Ø4.8 mm

Cementable Area: 4.5 mm;

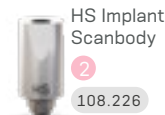
With internal threads for a secure engagement of the screw;

Neo Removable Screw.

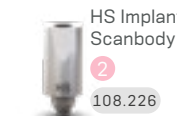
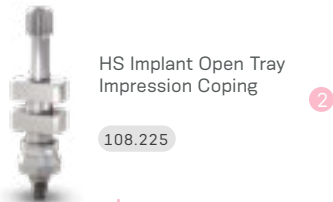


Installation Sequence

Intraoral




Model Scanning



HS Titanium Base for Bridge

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



Drivers

+

Torque Wrench

+

Manual Screwdriver for Torque Connection

Accessories

HS Screws
116.296 Neo
116.297 Neo work

HS Titanium Temporary Abutment

Consider a further 1.5 to 2.0 mm of restorative material;

Temporary single-unit screw-retained prosthesis

Temporary multi-unit cement-retained prosthesis

Ø4.8 mm


Customizable area in titanium.
A minimum height of 4 mm of the customizable area must be kept.
With retention slots for acrylic material, allowing customization.

Channels of personalization;

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

Exact;

Removable screw.



Installation Sequence

HS Temporary Component for Crown

1

0.2 mm	1.5 mm	2.5 mm	3.5 mm
Ø4.8 118.387	118.388	118.389	118.390

or

HS Temporary Component for Bridge

1

0.2 mm	1.5 mm	2.5 mm	3.5 mm
Ø4.8 118.383	118.384	118.385	118.386

Customization

Temporary Prosthesis

Drivers

+

Torque Wrench

Accessories

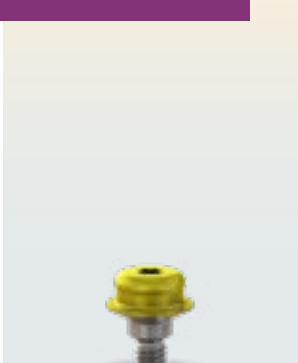
HS Screws
116.296 Neo
116.297 Neo work



HS TIN Attachment

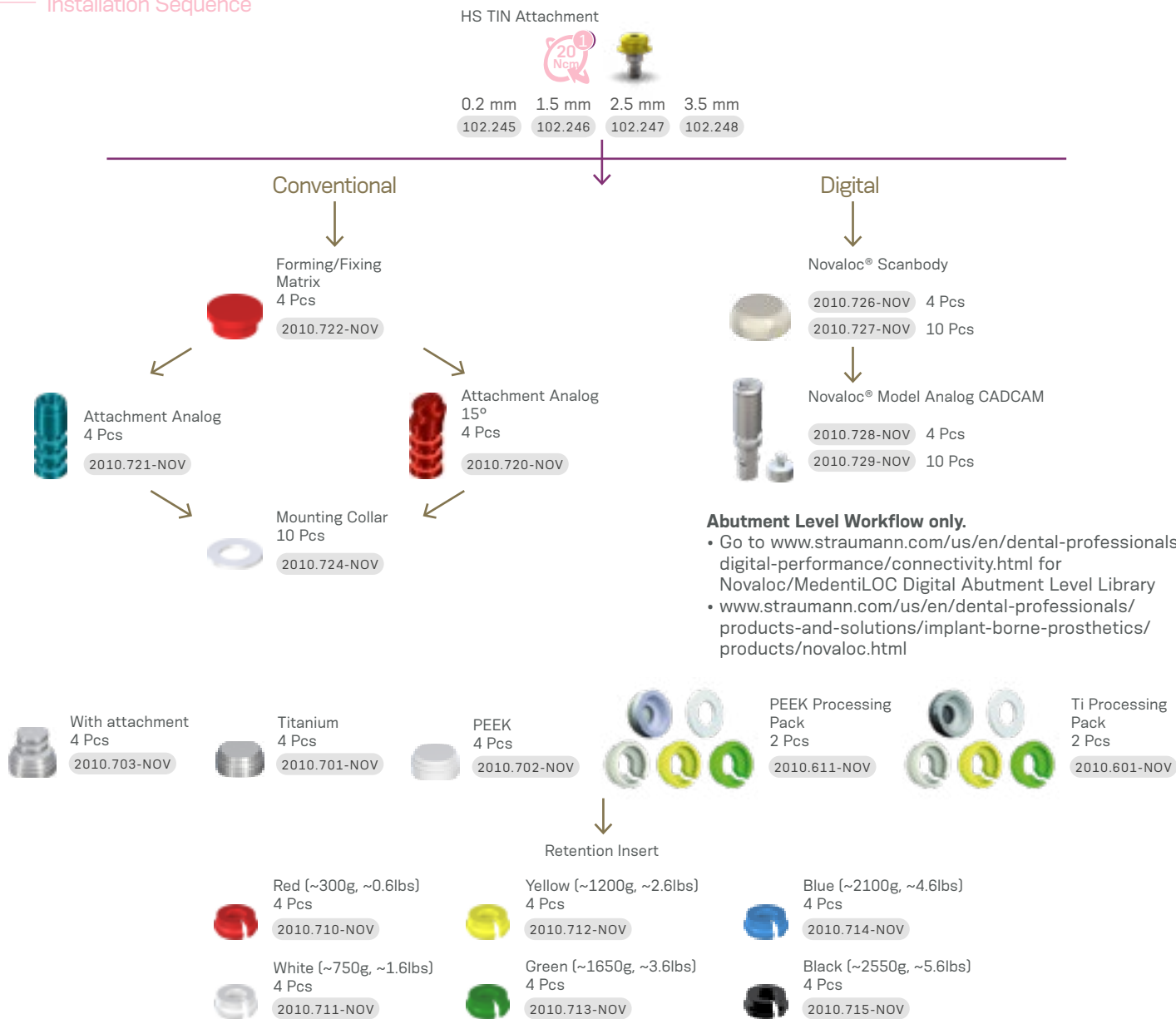


In-mouth capture recommended, one abutment at a time;
O-ring with Coping, Protection Disk included;
Allows angulation of up to 30° between two implants.



Installation Sequence

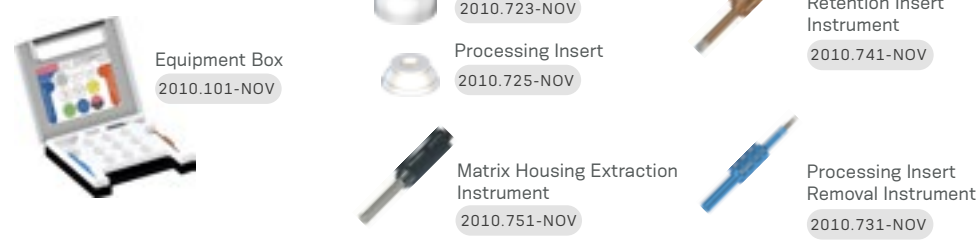
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Drivers



Accessories



Helix Short Kit

Surgical Kit Helix Short

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



Articles

- 110.317

HS Surgical Kit Cassette
- 103.621

Helix Short Twist Drill 2.0
- 103.597

Helix Short Tapered Drill 2.7
- 103.607

Helix Short Tapered Drill 3.75
- 103.608

Helix Short Tapered Drill 3.75+
- 103.598

Helix Short Tapered Drill 4.0
- 103.599

Helix Short Tapered Drill 4.0+
- 103.600

Helix Short Tapered Drill 5.0
- 103.601

Helix Short Tapered Drill 5.0+
- 103.602

Helix Short Tapered Drill 6.0
- 103.603

Helix Short Tapered Drill 6.0+
- 103.604

Helix Short Tapered Drill 7.0
- 103.605

Helix Short Tapered Drill 7.0+
- 103.606

HS Bone Profile Drill
- 125.181

Physical Stop 4.0 for Helix Short Drill 2.0/2.7/3.75/4.0
- 125.182

Physical Stop 5.5 for Helix Short Drill 2.0/2.7/3.75/4.0
- 125.183

Physical Stop 7.0 for Helix Short Drill 2.0/2.7/3.75/4.0
- 125.184

Physical Stop 8.5 for Helix Short Drill 2.0/2.7/3.75/4.0
- 125.185

Physical Stop 4.0 for Helix Short Drill 5.0
- 125.186

Physical Stop 5.5 for Helix Short Drill 5.0
- 125.187

Physical Stop 7.0 for Helix Short Drill 5.0
- 125.188

Physical Stop 8.5 for Helix Short Drill 5.0
- 125.189

Physical Stop 4.0 for Helix Short Drill 6.0/7.0
- 125.190

Physical Stop 5.5 for Helix Short Drill 6.0/7.0
- 125.191

Physical Stop 7.0 for Helix Short Drill 6.0/7.0
- 125.192

Physical Stop 8.5 for Helix Short Drill 6.0/7.0
- 103.426

Drill Extender
- 105.153

HS Implant Driver for Contra-angle
- 105.154

HS Implant Driver - Torque Wrench (Short)
- 105.155

HS Implant Driver for Torque Wrench
- 128.037

HS Angle Measurer 17°
- 128.038

HS Height Measurer
- 128.039

HS Direction Indicator/X-Ray Positioner 2.7/3.75
- 104.060

Neo Manual Screwdriver (medium)
- 105.132

Neo Screwdriver Torque Connection (medium) – Torque Wrench
- 105.137

Hexagonal Prosthetic Driver – Torque Wrench

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



Instruments

Helix Short



Twist Drill

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

103.621

Tapered Drill

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



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



HS Bone Profile Drill.

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

103.606



Drill Extender

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

103.426



Physical Stops for Helix Short Drills

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

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



HS Direction Indicator / X-Ray Positioner

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

128.039



HS Angle Measurer 17°

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

128.037



HS Height Measurer

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

128.038



Neo Screwdriver Torque Connection

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

104.060	Neo Manual Screwdriver (medium)
105.132	Neo Screwdriver Torque Connection (medium) – Ratchet



Hexagonal Prosthetic Driver

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

105.137 torque wrench



Support for Helix Short Physical Stops Kit

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

110.319





Torque Wrench

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

104.050



HS Implant Driver for Contra-Angle

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

105.153



HS Implant Driver for Torque Wrench

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

105.154 Short

105.155 Regular



Orthodontic Anchorage

PRODUCT FEATURES:

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

Indications:

- Implants for orthodontic movement.

Drilling features:

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



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



Orthodontic Anchorage Implant Package.



Remove the cap to access the implant.



Implant capture with Orthodontic Anchorage Contra-Angle Connection.



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



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



Implant placed.

Instruments

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

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



Bone Grafting

PRODUCT FEATURES:

- Available in Titanium;
- Self-perforating.

Indications:

- Fixation of bone block graft.

Drilling features:

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

	Expanded Head	Standard Head
Ø1.5 mm	Ø3.70 mm	Ø2.5 mm
Ø2.0 mm	Ø3.85 mm	Ø3.0 mm



	Standard Head				
	6 mm	8 mm	10 mm	12 mm	14 mm
Ø1.5					
	116.194	116.196	116.198	116.199	116.200
Ø2.0					
	116.203	116.205	116.207	116.209	
	Screw for Gingival Graft 5 mm Ø1.6 116.245				

	Expanded Head			
	8 mm	10 mm	12 mm	14 mm
Ø1.5				
	116.210	116.211	116.212	116.213
Ø2.0				
	116.214	116.215	116.216	

Bone Grafting and Orthodontic Anchorage Kit

Autoclavable polymer case.

The Kit features three compositions:

- Complete.
- Bone Grafting.
- Anchorage.



Articles

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

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

Note: Items that compose Neodent Kits are sold separately.





Drills for Orthodontic Anchorage

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

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



Orthodontic Anchorage Implant Driver

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

104.033



Punch for Bone Grafting/Orthodontic Anchorage

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

103.071



Bone Grafting Manual Driver

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

104.018



Orthodontic Anchorage Adaptor Connections

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

Short	Long	Wrench
105.040	105.039	105.025



Philips Driver

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

Manual Driver	Contra-Angle
105.063	105.023





Neodent® Biomaterials


Everything you need for GBR

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


► Neodent AlloGraft granules

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

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

AlloGraft Mineralized Cortical Cancellous Mix		
	Granule size	Content
	NAMND070226	250-1000 µm 0.5 cc
	NAMND070227	250-1000 µm 1.0 cc
	NAMND070228	250-1000 µm 2.0 cc
	NAMND070232	250-1000 µm 2.5 cc

► Neodent Membrane Flex™

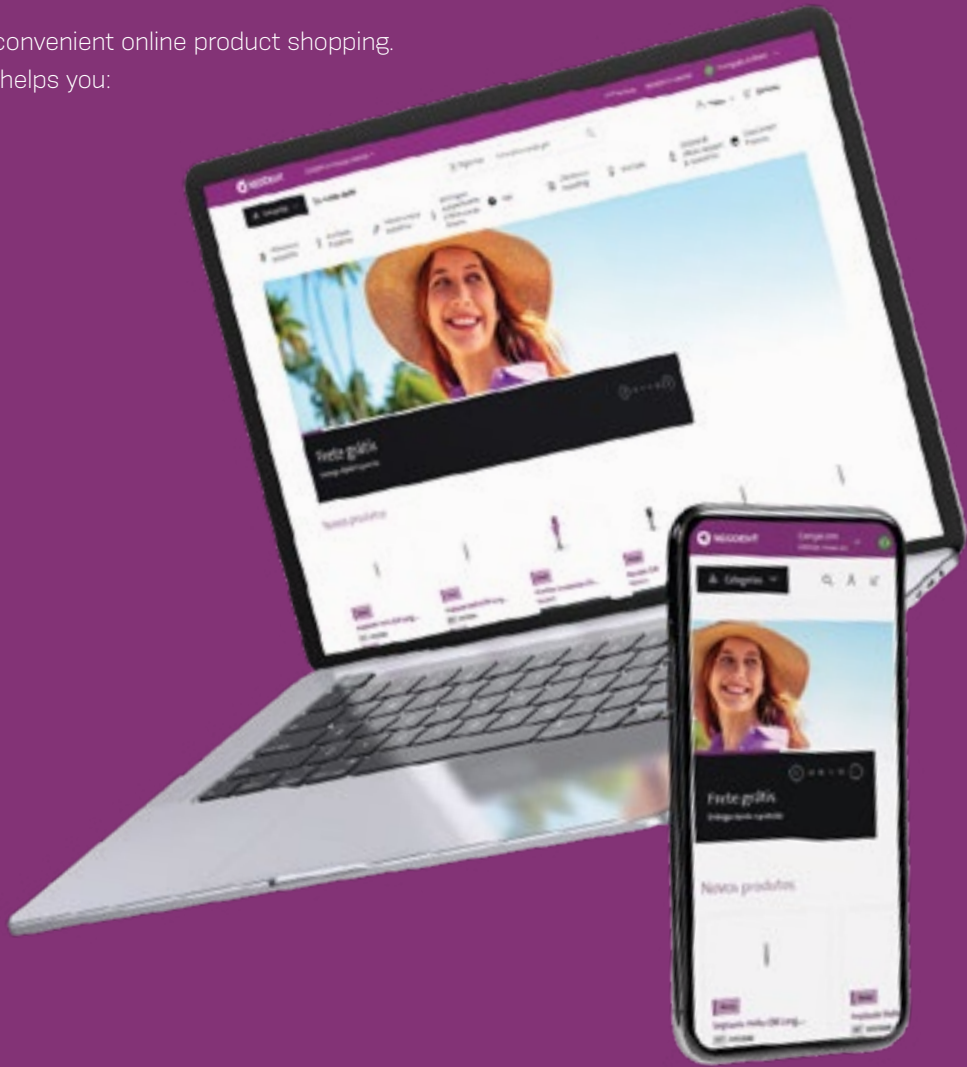
	Description
	NAMND070.008 15 × 20 mm Neodent® Membrane Flex™
	NAMND070.009 20 × 30 mm Neodent® Membrane Flex™
	NAMND070.010 30 × 40 mm Neodent® Membrane Flex™



At Neodent® we understand that time is money, and being efficient in every activity is important to your business. We are committed to helping you achieve this goal by providing a secure online portal with our eShop.

The **Neodent eShop** goes beyond convenient online product shopping. It is a complete online service that helps you:

- Manage your account
- Track order history
- View order status
- Return product
- Pay invoices online
- Review payment history



Discover how you can save time and money today by visiting neodent.us/eShop

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