CATALOGUE • 2021

NEODENT® PRODUCT CATALOGUE 2021 • ISSUE 01

NEODENT®
A Straumann Group Brand

NEW SMILES EVERY DAY

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

Technical Guidelines

Innovative and ease to use

Neodent® Packaging

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

Package instruction of use

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

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

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

While gripping the implant carrirer, remove the lid.

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

The implant can now be transported to the surgical site.

e-IFU – Electronic Instructions For Use

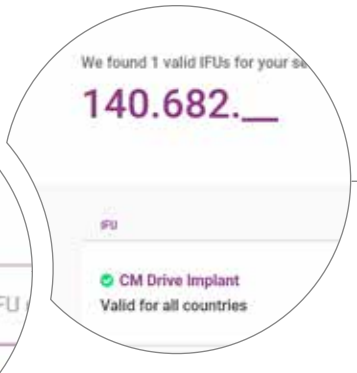
Neodent® innovates once more, providing an on-line platform designed to provide quick and practical use of its own products instructions: the e-IFU (Instructions For Use) website.

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

Access: ifu.neodent.com.br/en

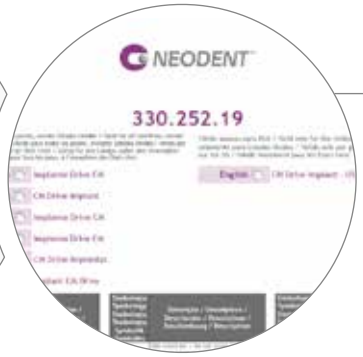
1 To access the IFU website, type the above address in your browser.

2 Enter in the fieldsearch the article number.



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

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



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

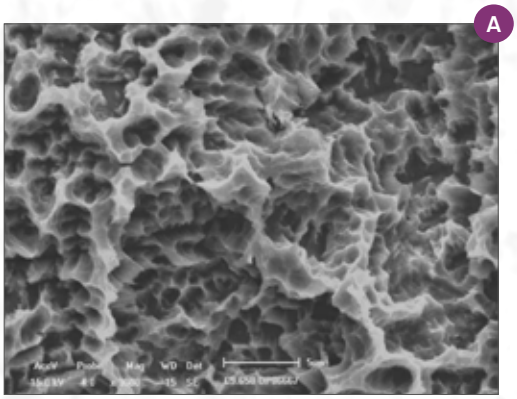
NeoPoros

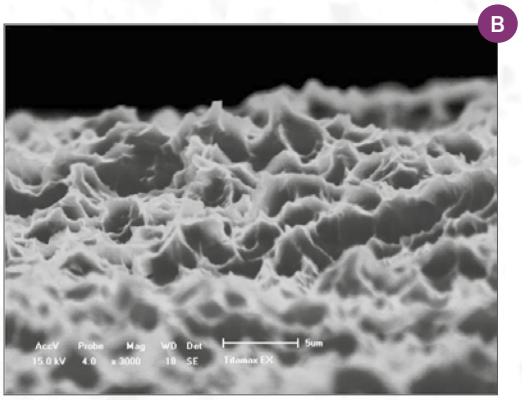
Constant evolution and safety guarantee.

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

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

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





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

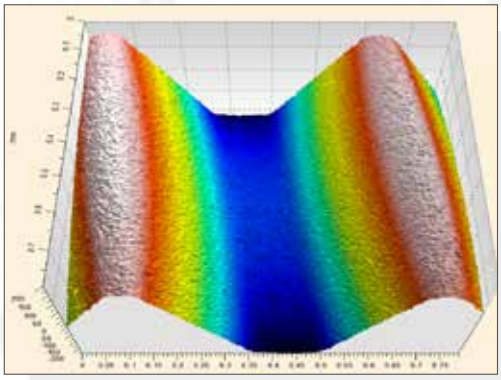


Image taken by confocal microscopy.
Roughness and Microtopography.
(Sa= 0,3 – 1,3 µm; Sz= 6,0 - 15,5 µm).

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]

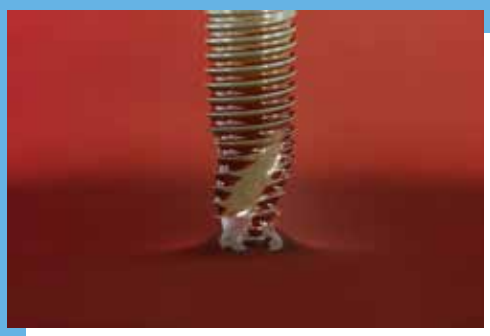
Hydrophilicity

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.

Grand Morse®

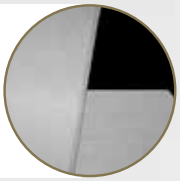
GREATNESS IS AN ACHIEVEMENT

GRAND RELIABILITY

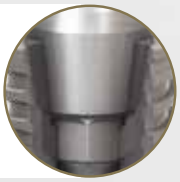
STABLE AND STRONG FOUNDATION
DESIGNED FOR LONG TERM SUCCESS

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

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

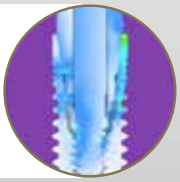


2 Internal Indexation
Precise abutment positioning, protection against rotation and easy handling.



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

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



GRAND SIMPLICITY

EASE OF USE AT ITS BEST

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

ONE PROSTHETIC PLATFORM

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

ONE SCREWDRIVER

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

ONE IMPLANT DRIVER

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

ONE SURGICAL KIT

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

GRAND STABILITY

STABLE AND STRONG FOUNDATION DESIGNED FOR LONG TERM SUCCESS

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

HELIX® - OPTIMAL IMPLANT DESIGNED TO ACHIEVE HIGH PRIMARY STABILITY

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

Fully tapered body design

- Coronal: 2° - 12°
- Apex: 16°

» **Allowing under-osteotomy**

Hybrid contour

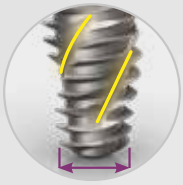
- Coronal: Cylindrical
- Apex: Conical

» **For stability with vertical placement flexibility**

Active apex

- Soft rounded small tip
- Helical flutes

» **Enabling immediate loading**



Dynamic progressive thread design

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

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

Acqua hydrophilic surface

Designed for high treatment predictability

acqua

Titamax®

Vertical placement flexibility. Bone types I & II.

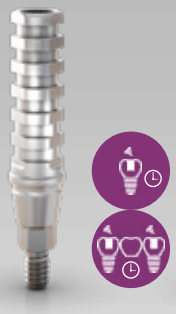
Drive®

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

GRAND ESTHETICS

DELIVER IMMEDIATE NATURAL ESTHETICS

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



Titanium Temporary Abutment

Pro-Peek Abutment

Titanium Base

Titanium Base C

Titanium Base for Bridge

Titanium Block (AG or Medentika Holder)

CoCr Abutment

Anatomic Abutment (straight and angled)

Universal Abutment (straight and angled)

Abutment

Angled Mini Conical Abutment

Novaloc (straight and angled)

Titanium Base AS

Straight Mini Conical Abutment

Micro Abutment

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

Overdenture

Multiple-unit screw-retained prosthesis

Multiple-unit cement-retained prosthesis

Temporary

Neodent easypack

GROW WITH PEACE OF MIND

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

GROW WITH CONFIDENCE

Choose a brand and products you can rely on

GROW WITH CONVENIENCE

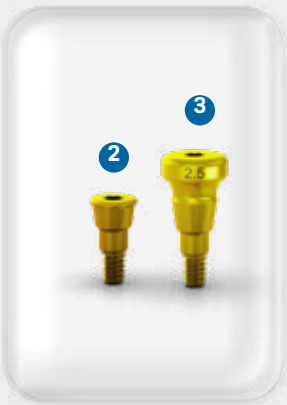
The certainty of having everything in one package

GROW WITH GUIDANCE

All workflows in simple steps

THE NEODENT® EASYPACK INCLUDES

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



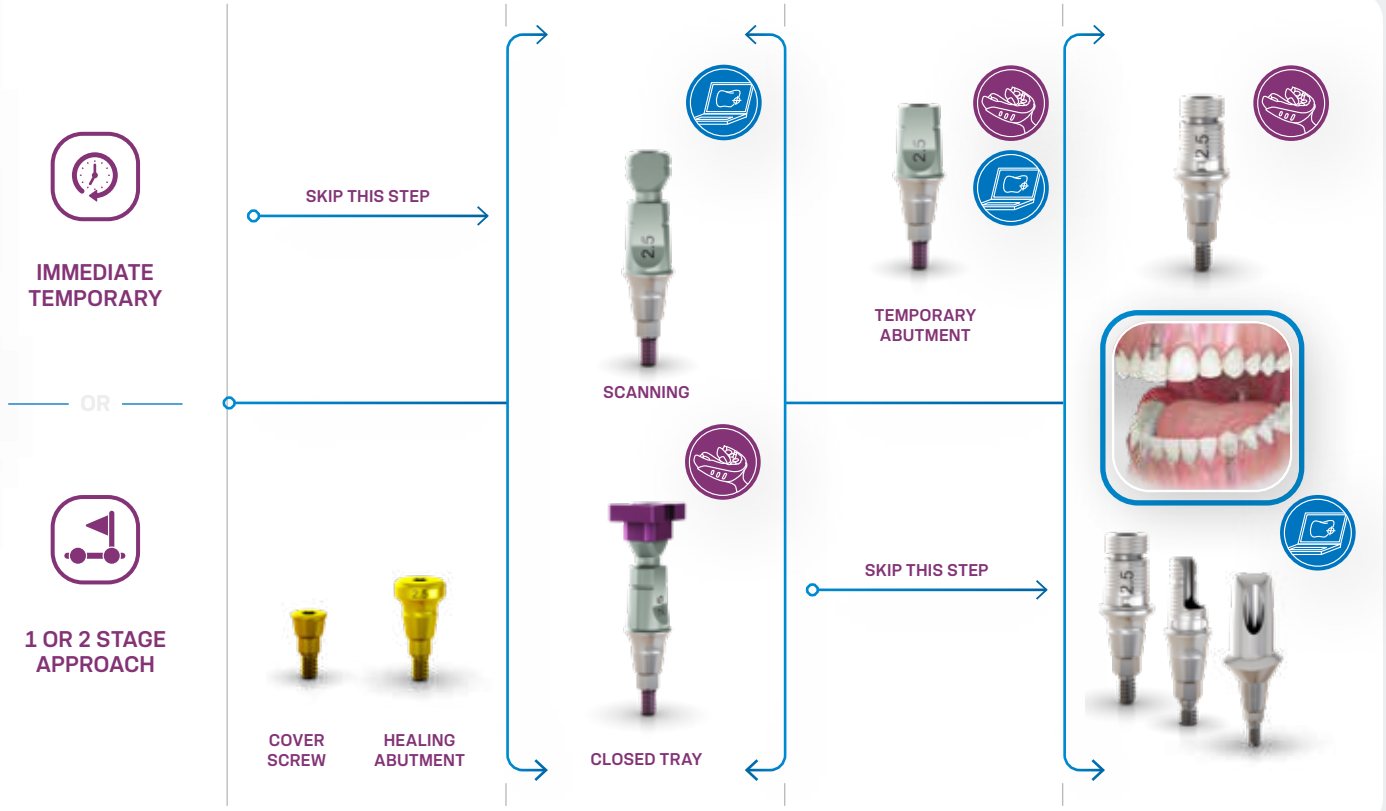
CONVENTIONAL WORKFLOW

DIGITAL WORKFLOW

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

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

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



NEODENT® EASYPACK PRODUCT OPTIONS

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

GM Cover Screw
0 mm

GM Healing Abutment
Ø 4.5 / 2.5 mm

GM Hybrid Repositionable Analog*
Ø 3.5/3.75 Ø 4.0/4.3
*according to implant diameter

GM Smart Abutment
Ø 4.5 / 2.5 mm

Helix **GM®**

PRODUCT FEATURES:

Implants Description:

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

Indications:

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

Drilling features:

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

Available with:

NeoPoros or acqua

Drill Sequence

	Initial	Ø 2.0	Ø 3.5	Ø 3.5+	Ø 2.8/3.5	Ø 3.75	Ø 3.75+	Ø 3.0/3.75	Ø 4.0	Ø 4.0+	Ø 3.3/4.0	Ø 4.3	Ø 4.3+	Ø 3.6/4.3	Ø 5.0	Ø 5.0+	Ø 4.3/5.0	Ø 6.0	Ø 7.0
	103.170	103.425	103.399	103.419	103.414	103.402	103.420	103.415	103.405	103.421	103.416	103.408	103.422	103.417	103.411	103.423	103.418	103.427	103.487
Ø 3.5	Optional	✓		✓	✓														
Ø 3.75	Optional	✓	✓				✓	✓											
Ø 4.0	Optional	✓	✓			✓				✓	✓								
Ø 4.3	Optional	✓	✓			✓			✓				✓	✓					
Ø 5.0	Optional	✓	✓			✓			Optional			✓				✓	✓		

Bone types I and II

Ø 3.5	Optional	✓	✓																
Ø 3.75	Optional	✓	✓			Optional													
Ø 4.0	Optional	✓	✓						Optional										
Ø 4.3	Optional	✓	✓			✓						Optional							
Ø 5.0	Optional	✓	✓									✓			Optional				
Ø 6.0	Optional	✓	✓			✓						✓			✓			✓	
Ø 7.0	Optional	✓	✓									✓			✓			✓	Optional

Bone types III and IV

Drill Sequence with Neodent® Control System

	Initial	Ø 2.0	Ø 3.5	Ø 3.5+	Ø 2.8/3.5	Ø 3.75	Ø 3.75+	Ø 3.0/3.75	Ø 4.0	Ø 4.0+	Ø 3.3/4.0	Ø 4.3	Ø 4.3+	Ø 3.6/4.3	Ø 5.0	Ø 5.0+	Ø 4.3/5.0	Ø 6.0	Ø 7.0
	103.170	103.492	103.493	103.500	103.513	103.494	103.501	103.514	103.495	103.502	103.515	103.496	103.503	103.516	103.497	103.504	103.517	103.498	103.499
Ø 3.5	*																		
Ø 3.75	*																		
Ø 4.0	*																		
Ø 4.3	*																		
Ø 5.0	*								*										

*Optional Bone types I and II

Ø 3.5	*																		
Ø 3.75	*					*													
Ø 4.0	*								*										
Ø 4.3	*											*							
Ø 5.0	*														*				
Ø 6.0	*																		
Ø 7.0	*																		*

*Optional Bone types III and IV

Helix **GM®** Implants

Ø 3.5	Acqua	NeoPoros
8.0	140.943	109.943
10.0	140.944	109.944
11.5	140.945	109.945
13.0	140.946	109.946
16.0	140.947	109.947
18.0	140.988	109.988

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

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

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

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

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

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

GM Cover Screw

0 mm	2 mm
117.021	117.022

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

GM Healing Abutment

	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
Ø 3.3	106.207	106.208	106.209	106.210	106.211	106.212
Ø 4.5	106.213	106.214	106.215	106.216	106.217	106.218

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

GM Customizable Healing Abutment

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

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

Drive **GM®**

PRODUCT FEATURES:

Implants Description:

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

Indications:

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

Drilling features:

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

Available with:

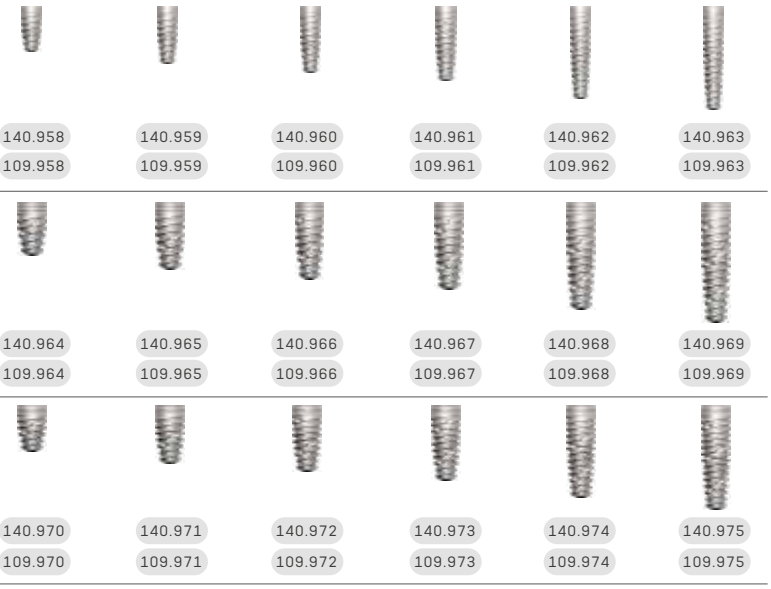
NeoPoros or acqua®

Drill Sequence

	Initial	Ø 2.0	Ø 3.5	Ø 2.8/3.5	Ø 4.3	Ø 3.6/4.3	Ø 5.0	Ø 4.3/5.0
	103.170	103.425	103.399	103.414	103.408	103.417	103.411	103.418
Ø 3.5 mm	✓	✓	✓	Optional				
Ø 4.3 mm	✓	✓	✓		✓	Optional		
Ø 5.0 mm	✓	✓	✓		✓		✓	Optional

Bone types III and IV

Drive **GM®** Implants



		8.0 mm	10.0 mm	11.5 mm	13.0 mm	16.0 mm	18.0 mm
Ø 3.5	Acqua	140.958	140.959	140.960	140.961	140.962	140.963
	NeoPoros	109.958	109.959	109.960	109.961	109.962	109.963
Ø 4.3	Acqua	140.964	140.965	140.966	140.967	140.968	140.969
	NeoPoros	109.964	109.965	109.966	109.967	109.968	109.969
Ø 5.0	Acqua	140.970	140.971	140.972	140.973	140.974	140.975
	NeoPoros	109.970	109.971	109.972	109.973	109.974	109.975

GM Healing Abutment

Profile	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
Ø 3.3	106.207	106.208	106.209	106.210	106.211	106.212
Ø 4.5	106.213	106.214	106.215	106.216	106.217	106.218

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

GM Cover Screw

0 mm	2 mm
117.021	117.022

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

GM Customizable Healing Abutments

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

Titamax **GM®**

PRODUCT FEATURES:

Implants Description:

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

Indications:

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

Drilling features:

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

Available with:

NeoPoros or acqua®

Drill Sequence

	Initial 103.170	Ø 2.0 103.162	Ø 2/3 103.213	Ø 2.8 103.163	Ø 3.0 103.164	Ø 2.8/3.5 103.414	Ø 3.3 103.166	Ø 3.0/3.75 103.415	Ø 3.3/4.0 103.416	Ø 3.8 103.167	Ø 4.3 103.168	Ø 4.3/5.0 103.418
Ø 3.5 mm	✓	✓		✓		✓						
Ø 3.75 mm	✓	✓	✓		✓			✓				
Ø 4.0 mm	✓	✓	✓		✓		✓		✓			
Ø 5.0 mm	✓	✓	✓		✓			✓		✓	✓	✓

Bone types I and II

Titamax **GM**® Implants

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

GM Healing Abutment

Profile	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
Ø 3.3	106.207	106.208	106.209	106.210	106.211	106.212
Ø 4.5	106.213	106.214	106.215	106.216	106.217	106.218

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

GM Customizable Healing Abutments

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

GM Cover Screw

0 mm	2 mm
117.021	117.022

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

GM Abutment

Single-unit screw-retained prosthesis

Ø 4.8 mm

Recommended for posterior region.

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

Minimum interocclusal space of 4.9 mm from the mucosa level;

Exact;

Unlocking feature.

Installation Sequence

0.8 mm	1.5 mm	2.5 mm
115.237	115.238	115.239
3.5 mm	4.5 mm	5.5 mm
115.240	115.241	115.242

GM Exact Abutment

20 N.cm 1

Intraoral

GM Abutment Scanbody 2 108.198

GM Abutment Hybrid Repositionable Analog 101.101

GM Abutment Coping for Crown - Digital Workflow

10 N.cm 1

118.362

Model Scanning

GM Abutment Impression Coping Closed Tray 2 108.179

GM Abutment Hybrid Repositionable Analog 101.101

GM Abutment Scanbody 2 108.198

GM Abutment Coping for Crown - Digital Workflow

10 N.cm 1

118.362

Conventional

GM Abutment Impression Coping Closed Tray 2 108.179

Neo Abutment Titanium Coping

10 N.cm 1

118.300

or

Neo Abutment Protection Cylinder 2 106.221

Abutment Analog

101.101 Hybrid Repositionable (conventional/digital)

101.076 Conventional

Neo Abutment CoCr Coping

10 N.cm 1

118.299

or

Neo Abutment Burn-out Coping

10 N.cm 1

118.298

Drivers

1  Neo Screwdriver Torque Connection +  Torque Wrench

2  Neo Screwdriver Torque Connection +  Manual Screwdriver Torque

Accessories

Mini Conical Abutment Polishing Protector 123.008

Replacement Coping Screw

116.266 Titanium

116.267 Neotorque*

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

GM Mini Conical Abutment

Multiple-unit screw-retained prosthesis

Ø 4.8 mm

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

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

Installation Sequence

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

GM Mini Conical Abutment

32 N.cm (1)

or

GM Exact Mini Conical Abutment 17°/30°

20 N.cm (2)

	1.5 mm	2.5 mm	3.5 mm
17°	115.249	115.250	115.251
30°	115.252	115.253	115.254

Intraoral

GM Mini Conical Abutment Scanbody (3)

108.196

Mini Conical Abutment Hybrid Repositionable Analog

101.092

Neo Mini Conical Abutment One Step Hybrid Coping

10 N.cm (2)

118.330

Model Scanning

Slim Mini Conical Abutment Open Tray Impression Coping (3)

108.176

Mini Conical Abutment Hybrid Repositionable Analog

101.092

GM Mini Conical Abutment Scanbody (3)

108.196

Neo Mini Conical Abutment One Step Hybrid Coping

10 N.cm (2)

118.330

Conventional

Slim Mini Conical Abutment Open Tray Impression Coping (3)

108.176

Neo Mini Conical Abutment Titanium Coping

10 N.cm (2)

118.302

or

Neo Mini Conical Abutment Protection Cylinder (3)

106.220

Mini Conical Abutment Analog

101.092 Hybrid Repositionable (conventional/digital)

101.020 Conventional

Neo Mini Conical Abutment CoCr Coping

10 N.cm (2)

118.303

or

Neo Mini Conical Abutment Burn-out Coping

10 N.cm (2)

118.301

Drivers

1 Hexagonal Prosthetic Driver + Torque Wrench

2 Neo Screwdriver Torque Connection + Torque Wrench

3 Neo Screwdriver Torque Connection + Manual Screwdriver Torque

Accessories

Mini Conical Abutment Polishing Protector

123.008

Replacement Coping Screw

116.269 Titanium

116.270 Neotorque*

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

GM Micro Abutment

Single-unit screw-retained prosthesis

Multiple-unit screw-retained prosthesis

Ø 3.5 mm

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.

Installation Sequence

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

GM Micro Abutment

32 N.cm 1

Intraoral

GM Micro Abutment Scanbody 3

108.197

24

Micro Abutment Hybrid Repositionable Analog

101.091

or

Neo Micro Conical Abutment One Step Hybrid Coping

10 N.cm 2

118.332

GM Micro Abutment Coping for Crown Digital Workflow

10 N.cm 2

118.363

Model Scanning

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

108.182 108.178 3

Micro Abutment Hybrid Repositionable Analog

101.091

GM Micro Abutment Scanbody 3

108.197

or

Neo Micro Conical Abutment One Step Hybrid Coping

10 N.cm 2

118.332

GM Micro Abutment Coping for Crown Digital Workflow

10 N.cm 2

118.363

Conventional

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

108.182 108.178 3

or

Neo Micro Abutment Titanium Coping

10 N.cm 2

Bridge 118.297

Crown 118.317

Neo Micro Abutment Protection Cylinder 3

106.219

Micro Abutment Analog

101.091 Hybrid Repositionable (conventional/digital)

101.078 for Crown (conventional)

or

Neo Micro Abutment CoCr Coping

10 N.cm 2

Bridge 118.296

Crown 118.316

Neo Micro Abutment Burn-out Coping

10 N.cm 2

118.295 Bridge

118.315 Crown

Drivers

1 Hexagonal Prosthetic Driver +  Torque Wrench

2 Neo Screwdriver Torque Connection +  Torque Wrench

3 Neo Screwdriver Torque Connection +  Manual Screwdriver Torque

Accessories

Micro Abutment Polishing Protector

123.015 Bridge

Replacement Coping Screw

116.269 Titanium

116.270 Neotorque*

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

GM Anatomic Abutment

Single-unit cement-retained prosthesis

Recommended for anterior region.

Installation Sequence

GM Exact Click Anatomic Abutment

20 N.cm 1

1.5 mm 114.752 | 2.5 mm 114.753 | 3.5 mm 114.754

or

GM Exact Click Anatomic Abutment 17°

20 N.cm 1

1.5 mm 114.755 | 2.5 mm 114.756 | 3.5 mm 114.757

or

GM Exact Click Narrow Anatomic Abutment

20 N.cm 1

1.5 mm 114.758 | 2.5 mm 114.759 | 3.5 mm 114.760

or

GM Exact Click Narrow Anatomic Abutment 17°

20 N.cm 1

1.5 mm 114.761 | 2.5 mm 114.762 | 3.5 mm 114.763

GM Exact Click Anatomic Abutment 118.334

or

GM Exact Click Narrow Anatomic Abutment 118.335

Impression of the GM Exact Click Anatomic Abutment

Lab stage

Finalized prosthesis

GM Implant Exact Impression Coping Closed and Open Tray 2

Regular 108.160 108.162

Long 108.161 108.163

GM Implant Analog

Ø 3.5/3.75	Ø 4.0/4.3	Ø 5.0/6.0	
101.103	101.089	101.090	Hybrid Repositionable (conventional/digital)
	101.074	101.075	for Crown (conventional)

Lab stage

Finalized prosthesis

Drivers

1 Neo Screwdriver Torque Connection + Torque Wrench

2 Neo Screwdriver Torque Connection + Manual Screwdriver Torque

GM Universal Abutment

Single-unit cement-retained prosthesis

Ø 3.3/4.5 mm

Cementable area: 4.0 or 6.0 mm

Click retention for provisional copings;

Exact;

Unlocking feature.

Installation Sequence

GM Exact Click Universal Abutment

20 N.cm 1

		0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
4 mm	Ø 3.3	114.566	114.567	114.568	114.569	114.570	114.571
	Ø 4.5	114.578	114.579	114.580	114.581	114.582	114.583
6 mm	Ø 3.3	114.572	114.573	114.574	114.575	114.576	114.577
	Ø 4.5	114.584	114.585	114.586	114.587	114.588	114.589

or

GM Exact Click Universal Abutment 17°

20 N.cm 1

		1.5 mm	2.5 mm	3.5 mm
4 mm	Ø 3.3	114.542	114.543	114.544
	Ø 4.5	114.548	114.549	114.550
6 mm	Ø 3.3	114.545	114.546	114.547
	Ø 4.5	114.551	114.552	114.553

or

GM Exact Click Universal Abutment 30°

20 N.cm 1

		1.5 mm	2.5 mm	3.5 mm
4 mm	Ø 3.3	114.554	114.555	114.556
	Ø 4.5	114.560	114.561	114.562
6 mm	Ø 3.3	114.557	114.558	114.559
	Ø 4.5	114.563	114.564	114.565

Intraoral

Universal Abutment Intraoral Scanbody

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

Universal abutment Hybrid Repositionable analog

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

Milled crown

Conventional

Click Universal Abutment Impression Coping

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

Click Universal Abutment Provisional Coping

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

Universal Abutment Analog

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

Hybrid Repositionable (conventional/digital)

4 mm	Ø 3.3	101.070	6 mm	Ø 3.3	101.071
	Ø 4.5	101.072		Ø 4.5	101.073

Click (conventional)

Universal Abutment Burn-out Coping

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

Drivers

1 

Neo Screwdriver Torque Connection

+ 

Torque Wrench

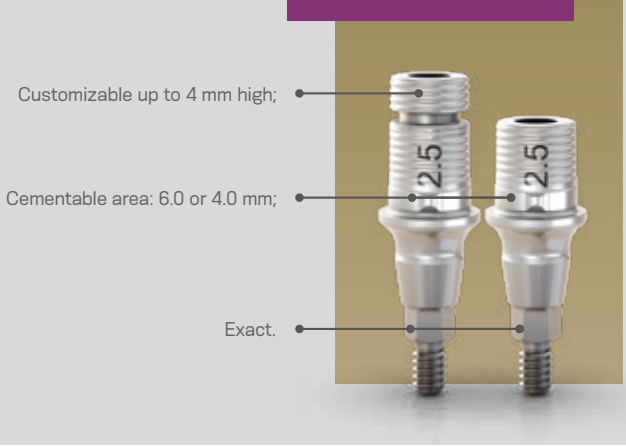
GM Titanium Base

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

Ø 3.5/4.5/ 5.5/6.5 mm

With removable screw.



Installation Sequence

Intraoral

GM Implant Intraoral Scanbody (2)

108.183

GM Implant Analog

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

Hybrid Repositionable (conventional/digital)

Model Scanning

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

Regular	108.160	108.162
Long	108.161	108.163

GM Implant Analog

Ø 3.5/3.75	Ø 4.0/4.3	Ø 5.0/6.0
101.103	101.089	101.090
	101.074	101.075

Hybrid Repositionable (conventional/digital) for Crown (conventional)

GM Exact Implant Scanbody

108.181 (2)

Conventional

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

Regular	108.160	108.162
Long	108.161	108.163

GM Implant Analog

Ø 3.5/3.75	Ø 4.0/4.3	Ø 5.0/6.0
101.103	101.089	101.090
	101.074	101.075

Hybrid Repositionable (conventional/digital) for Crown (conventional)

GM Exact Titanium Base 4mm

	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm
Ø 3.5	135.260	135.261	135.262	135.263	135.264
Ø 4.5	135.272	135.273	135.274	135.275	135.276
Ø 5.5	135.284	135.285	135.286	135.287	135.288
Ø 6.5		135.319	135.320	135.321	135.322

or

GM Exact Titanium Base 6mm

	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm
Ø 3.5	135.266	135.267	135.268	135.269	135.270
Ø 4.5	135.278	135.279	135.280	135.281	135.282
Ø 5.5	135.290	135.291	135.292	135.293	135.294
Ø 6.5		135.323	135.324	135.325	135.326

GM Titanium Base Burn-out Coping

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

Drivers

1  Neo Screwdriver Torque Connection +  Torque Wrench

2  Neo Screwdriver Torque Connection +  Manual Screwdriver Torque

Accessories

Replacement Sterile Screws

116.286 Titanium

116.285 Neotorque*

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

GM Titanium Base for Bridge

Multiple-unit screw-retained prosthesis

Multiple-unit cement-retained prosthesis

Ø 3.5/4.5/ 5.5 mm

With removable screw.

Cementable area:
4.0 mm for Ø 3.5
4.5 mm for Ø 4.5
and Ø 5.5.

Installation Sequence

Intraoral

GM Implant Intraoral Scanbody
2
108.183

GM Implant Analog

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

Hybrid Repositionable (conventional/digital)

Model Scanning

GM Implant Exact Impression Coping Open Tray
2
Regular 108.158
Long 108.159

GM Implant Analog

Ø 3.5/3.75	Ø 4.0/4.3	Ø 5.0/6.0
101.103	101.089	101.090
101.074	101.075	

Hybrid Repositionable (conventional/digital) for Crown (conventional)

GM Exact Implant Scanbody
108.181 2

GM Titanium Base for Bridge
1
20 N.cm

	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm
Ø 3.5	135.304	135.305	135.306	135.307	135.308
Ø 4.5	135.309	135.310	135.311	135.312	135.313
Ø 5.5	135.314	135.315	135.316	135.317	135.318

Drivers

1 

Neo Screwdriver Torque Connection + 

Torque Wrench

2 

Neo Screwdriver Torque Connection + 

Manual Screwdriver Torque

Accessories

Replacement Sterile Screws
116.286 Titanium
116.285 Neotorque*

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

GM Titanium Base Angled Solution (AS)

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

Ø 4.0/4.5/ 5.5 mm

With removable screw.

Installation Sequence

Intraoral

GM Implant Intraoral Scanbody 2

108.183

GM Implant Analog

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

Hybrid Repositionable (conventional/digital)

Model Scanning

GM Implant Exact Impression Coping Closed and Open Tray 2

Regular	108.160	108.162
Long	108.161	108.163

GM Implant Analog

Ø 3.5/3.75	Ø 4.0/4.3	Ø 5.0/6.0	
101.103	101.089	101.090	Hybrid Repositionable (conventional/digital)
101.074	101.075		for Crown (conventional)

GM Exact Implant Scanbody 2

108.181

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

GM Titanium Base Angled Solution (AS) 4mm

20 N.cm 1

or

GM Titanium Base Angled Solution (AS) 6mm

20 N.cm 1

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

Drivers

1

Angled Solution Screwdriver for Torque Wrench

105.150	Short
105.151	Regular
105.152	Long

\+

Torque Wrench

or

Angled Solution Screwdriver for Contra-angle

105.147	Short
105.148	Regular
105.149	Long

\+

Contra-angle

2

Neo Screwdriver Torque Connection

\+

Manual Screwdriver Torque

Accessories

Replacement Sterile Screw

116.288 Screw for GM Titanium Base AS

Titanium Base C for GM

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

Ø 4.65 mm

With removable screw.

Installation Sequence

Titanium Base C for GM Exact

	0.8 mm	1.5 mm	2.5 mm
Ø 4.65	135.229	135.230	135.231
	3.5 mm	4.5 mm	5.5 mm
Ø 4.65	135.232	135.233	135.234

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

Workflow

Step 1

Gingiva height selection and ordering.

Select the Titanium Base C for GM Exact gingival height. →

Order the Titanium Base C for GM Exact.

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

Step 2

Intra-oral scanning.

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

Insert scanbody on the Titanium Base C for GM Exact.

Step 3

Design and milling.

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

Mill the digital design.

Step 4

Finalization and fixation.

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

CEREC digital library compatibility

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

Drivers

1 

Neo Screwdriver Torque Connection +

Torque Wrench

Accessories

Replacement Sterile Screws

116.286 Titanium

116.285 Neotorque*

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

GM Titanium Block for MEDENTiKA Holder

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

Multiple-unit cement-retained prosthesis

Ø 11.5/ 15.8 mm

Screw sold separately.

Installation Sequence

Complete Digital Workflow

GM Implant Intraoral Scanbody 2

108.183

GM Implant Analog

Ø 4.0/4.3

101.089

Hybrid Repositionable (conventional/digital)

or

GM Exact Titanium Block for MEDENTiKA Holder Ø 11.5mm

135.252

GM Exact Titanium Block for MEDENTiKA Holder Ø 15.8mm

135.253

Finalized Prosthesis with CADCAM process

Semi Digital Workflow

GM Implant Exact Impression Coping Closed and Open Tray 2

Regular 108.160 108.162

Long 108.161 108.163

GM Implant Analog

Ø 4.0/4.3

101.089 Hybrid Repositionable (conventional/digital)

101.074 Conventional

GM Exact Implant Scanbody

108.181 2

or

GM Exact Titanium Block for MEDENTiKA Holder Ø 11.5mm

135.252

GM Exact Titanium Block for MEDENTiKA Holder Ø 15.8mm

135.253

Finalized Prosthesis with CADCAM process

Drivers

1 Neo Screwdriver Torque Connection + Torque Wrench

2 Neo Screwdriver Torque Connection + Manual Screwdriver Torque

Accessories

Sterile Screws sold separately

116.286 Titanium

116.285 Neotorque*

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

GM Titanium Block for AG Holder

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

Multiple-unit cement-retained prosthesis

Ø 12.0 mm

Screw sold separately.

Installation Sequence

Complete Digital Workflow

GM Implant Intraoral Scanbody

2

108.183

GM Implant Analog

Ø 4.0/4.3

101.089

Hybrid Repositionable (conventional/digital)

GM Exact Titanium Block for Amann Girrbach Holder Ø 12.0mm

135.226

Finalized Prosthesis with CADCAM process

Semi Digital Workflow

GM Implant Exact Impression Coping Closed and Open Tray

2

Regular 108.160 108.162

Long 108.161 108.163

GM Implant Analog

Ø 4.0/4.3

101.089 Hybrid Repositionable (conventional/digital)

101.074 Conventional

GM Exact Implant Scanbody

108.181 2

GM Exact Titanium Block for Amann Girrbach Holder Ø 12.0mm

135.226

Finalized Prosthesis with CADCAM process

Drivers

1  Neo Screwdriver Torque Connection +  Torque Wrench

2  Neo Screwdriver Torque Connection +  Manual Screwdriver Torque

Accessories

Sterile Screws sold separately

116.286 Titanium

116.285 Neotorque*

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

GM CoCr Abutment

Single-unit screw-retained prosthesis

Single-unit cement-retained prosthesis

Ø 4.1/4.5/ 5.0 mm

For implants placed at bone level.

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

Interocclusal height of 12 mm (can be customized up to 5.0 mm);

Installation Sequence

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

Regular	108.160	108.162
Long	108.161	108.163

or

GM Temporary Abutment for Crown or GM Pro Peek Abutment

20 N.cm (1)

GM Healing for CoCr Abutment (2)

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

GM Implant Analog

GM Exact CoCr Abutment Set

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

20 N.cm (1)

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

Drivers

(1) Neo Screwdriver Torque Connection + Torque Wrench

(2) Neo Screwdriver Torque Connection + Manual Screwdriver Torque

Accessories

Replacement Sterile Screws

116.283	Titanium
116.282	Neotorque*

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

GM Temporary Abutment

Single-unit screw-retained temporary prosthesis

Multiple-unit screw-retained temporary prosthesis

Ø 3.5/ 4.5 mm

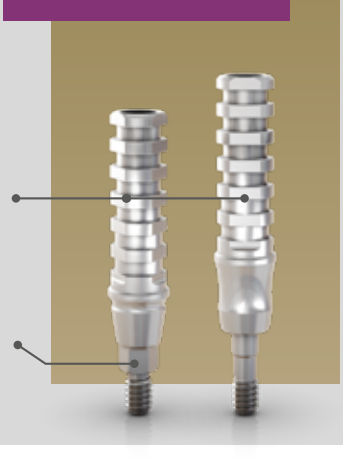
Customizable area made of titanium.
A minimum height of 4 mm of the customizable area must be kept.
With retentive grooves for acrylic material and allows customization.

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

Channels of customizations;

Interocclusal height of 10 mm (can be customized up to 4.0 mm);

Exact.



Installation Sequence

GM Temporary Abutment for Crown

1

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

or

GM Temporary Abutment for Bridge

1

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

Customization

Temporary Prosthesis

Drivers

1 Neo Screwdriver Torque Connection +

Torque Wrench

Accessories

Replacement Sterile Screws

116.286 Titanium

116.285 Neotorque*

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

GM Pro Peek Abutment

Single-unit cement-retained temporary prosthesis

Ø 4.5/ 6.0 mm

Biocompatible Peek of easy customization.

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

Interocclusal height of 9.2 mm (can be customized up to 5.0 mm);

Exact;

Unlocking feature.

Installation Sequence

GM Pro Peek Abutment Ø 4.5

1

0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
114.738	114.739	114.740	114.741	114.742	114.743

or

GM Pro Peek Abutment Ø 6.0

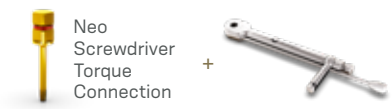
1

0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
114.744	114.745	114.746	114.747	114.748	114.749

In mouth customization

Drivers

1 Neo Screwdriver Torque Connection + Torque Wrench



GM Novaloc

Overdenture

Angled version with removable screw.

Installation Sequence

GM Novaloc

20 N.cm 1

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

or

GM Novaloc 15°

20 N.cm 1

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

Forming/Fixing Matrix
4 units
2010.722-STM

Attachment Analog
2010.721-STM

Attachment Analog 15°
2010.720-STM

Mounting Collar
2010.724-STM

Matrix Housing
(including Processing Spacer)

With attachment
2010.703-STM

Titanium
2010.701-STM

PEEK
2010.702-STM

Retention Insert

Red (approx. 300 g)
2010.710-STM

Yellow (approx. 1200 g)
2010.712-STM

Blue (approx. 2100 g)
2010.714-STM

White (approx. 750 g)
2010.711-STM

Green (approx. 1650 g)
2010.713-STM

Black (approx. 2550 g)
2010.715-STM

Drivers

1 Neo Screwdriver Torque Connection

+

Torque Wrench

Accessories

Equipment Box
2010.101

Processing Spacer
2010.723-STM

Mounting Insert
2010.725-STM

Matrix Housing Extractor
2010.751-STM

Mounting and Demounting Tool for Retention Inserts
2010.741-STM

Demounting Tool for Mounting Inserts for Analogs
2010.731-STM

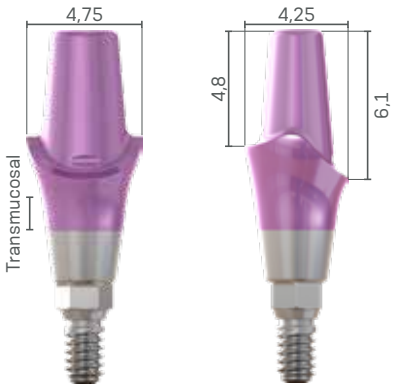
Measurements GM
Mini Conical Abutment

17°

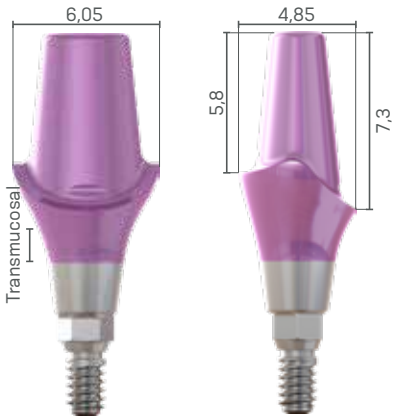
30°

Measurements GM
Anatomic Abutment

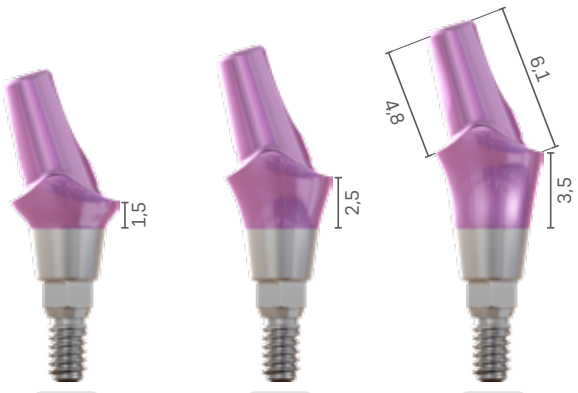
Narrow Anatomic Abutment



Anatomic Abutment



Narrow Anatomic Abutment 17°



Anatomic Abutment 17°

Measurements GM
Universal Abutment

4 mm chimney height / Ø 3.3 / 17°

114.542 114.543 114.544

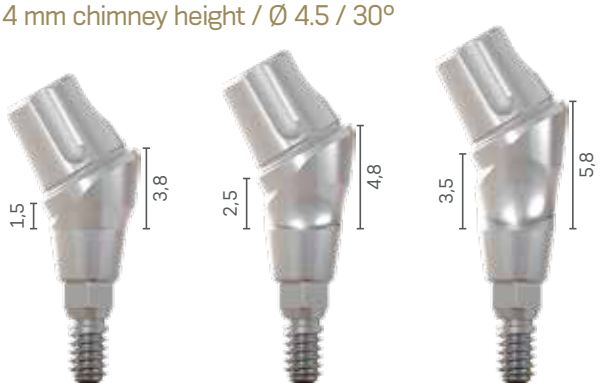
4 mm chimney height / Ø 3.3 / 30°

114.554 114.555 114.556

4 mm chimney height / Ø 4.5 / 17°

114.548 114.549 114.550

4 mm chimney height / Ø 4.5 / 30°



114.560 114.561 114.562

6 mm chimney height / Ø 3.3 / 17°

114.545 114.546 114.547

6 mm chimney height / Ø 3.3 / 30°

114.557 114.558 114.559

6 mm chimney height / Ø 4.5 / 17°

114.551 114.552 114.553

6 mm chimney height / Ø 4.5 / 30°

114.563 114.564 114.565

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 Dril 2.0/3.0 Plus
103.164	Twist Drill 3.0 Plus
103.166	Twist Drill 3.3 Plus
103.167	Twist Drill 3.8 Plus
103.168	Twist Drill 4.3 Plus
103.163	Twist Drill 2.8 Plus
103.170	Initial Drill Plus
103.414	Pilot Drill GM 2.8/3.5
103.415	Pilot Drill GM 3.0/3.75
103.416	Pilot Drill GM 3.3/4.0
103.417	Pilot Drill GM 4.3
103.418	Pilot Drill GM 4.3/5.0
103.419	Tapered Contour Drill 3.5
103.420	Tapered Contour Drill 3.75
103.421	Tapered Contour Drill 4.0
103.422	Tapered Contour Drill 4.3
103.423	Tapered Contour Drill 5.0
103.425	Tapered Drill 2.0
103.399	Tapered Drill 3.5
103.402	Tapered Drill 3.75
103.405	Tapered Drill 4.0
103.408	Tapered Drill 4.3
103.411	Tapered Drill 5.0
103.427	Tapered Drill 6.0
105.131	GM Implant Driver - Contra-Angle
104.060	Neo Screwdriver (Medium)
105.130	GM Implant Driver - Torque Wrench (Long)
104.028	Manual Implant Driver - Contra-Angle
105.129	GM Implant Driver - Torque Wrench (Short)
128.019	Direction Indicator 2.8/3.5
128.020	Direction Indicator 3.0/3.75
128.021	Direction Indicator 3.3/4.0
128.022	Direction Indicator 3.6/4.3
128.023	Direction Indicator 4.3/5.0
128.028	Height Measurer GM
129.004	Depth Probe
129.001	Titanium Tweezers
104.050	Torque Wrench
103.426	Drill Extension

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

Grand Morse® and WS Surgical Kit

Autoclavable polymer case.

Articles

110.287	GM/WS Surgical Kit Case
103.162	Twist Drill 2.0 Plus
103.213	Pilot Dril 2.0/3.0 Plus
103.164	Twist Drill 3.0 Plus
103.166	Twist Drill 3.3 Plus
103.415	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
103.414	Pilot Drill GM 2.8/3.5
103.416	Pilot Drill GM 3.3/4.0
103.417	Pilot Drill GM 4.3
103.418	Pilot Drill GM 4.3/5.0
103.221	Pilot Drill CM 5.3/6.0 Plus
103.419	Tapered Contour Drill 3.5
103.420	Tapered Contour Drill 3.75
103.421	Tapered Contour Drill 4.0
103.422	Tapered Contour Drill 4.3
103.423	Tapered Contour Drill 5.0
103.425	Tapered Drill 2.0
103.399	Tapered Drill 3.5
128.029	WS Height Measurer
103.402	Tapered Drill 3.75
103.405	Tapered Drill 4.0
103.408	Tapered Drill 4.3
103.411	Tapered Drill 5.0
103.427	Tapered Drill 6.0
105.131	GM Implant Driver - Contra-Angle
105.002	Smart/WS Implant Driver - Contra-Angle
104.060	Neo Screwdriver (Medium)
105.130	GM Implant Driver GM - Torque Wrench
105.018	Hex Connection - Torque Wrench (Long)
104.028	Manual Implant Driver - Contra-Angle
104.012	Manual Screwdriver (Medium)
105.129	GM Implant Driver GM - Torque Wrench
105.001	Smart/WS Implant Driver - Torque Wrench (Short)
128.019	Direction Indicator 2.8/3.5
128.020	Direction Indicator 3.0/3.75
128.021	Direction Indicator 3.3/4.0
128.022	Direction Indicator 3.6/4.3
128.023	Direction Indicator 4.3/5.0
128.024	WS Direction Indicator 4.3/5.0
128.025	WS Direction Indicator 5.3/6.0
128.028	GM Height Measurer
129.004	Depth Probe
129.001	Titanium Tweezers
104.050	Torque Wrench
103.426	Drill Extension

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

Helix GM®
Compact Surgical Kit

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

Articles

110.297	Helix GM® Compact Surgical Kit Case
103.170	Initial Drill
103.425	Tapered Drill 2.0
103.399	Tapered Drill 3.5
103.402	Tapered Drill 3.75
103.405	Tapered Drill 4.0
103.408	Tapered Drill 4.3
103.411	Tapered Drill 5.0
103.427	Tapered Drill 6.0
103.487	Tapered Drill 7.0 (Short)*
104.060	Neo Manual Screwdriver (Medium)
104.028	Manual Implant Driver - Contra-angle
103.426	Drill Extension
103.419	Tapered Contour Drill 3.5
103.420	Tapered Contour Drill 3.75
103.421	Tapered Contour Drill 4.0
103.422	Tapered Contour Drill 4.3
103.423	Tapered Contour Drill 5.0
105.131	GM Implant Driver - Contra-angle GM
105.130	Implant Driver - Torque Wrench (Long)
105.129	GM Implant Driver - Torque Wrench (Short)
103.414	GM Pilot Drill 2.8/3.5
103.415	GM Pilot Drill 3.0/3.75
103.416	GM Pilot Drill 3.3/4.0
103.417	GM Pilot Drill 4.3
103.418	GM Pilot Drill 4.3/5.0
128.028	GM Height Measurer
128.030	Angle Measurer for Drill 2.0 17º
128.031	Angle Measurer for Drill 2.0 30º
128.019	Direction Indicator 2.8/3.5
128.020	Direction Indicator 3.0/3.75
128.021	Direction Indicator 3.3/4.0
128.022	Direction Indicator 3.6/4.3
128.023	Direction Indicator 4.3/5.0
129.004	Depth Probe
104.050	Torque Wrench

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

*Tapered Drill 7.0 is not included in the pre-mounted kit composition.

Neodent controlsystem

TRUST YOURSELF

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

Protect anatomical structures

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

Master limited visibility

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

Intuitive solution

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

Secure drill stop locking system

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

Multiple use solution

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

User friendly kit retentive system

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

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

Neodent® Color Code overview

Color code according to implant length

Compatible portfolio of Helix GM® Implants

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

Helix GM® Compact Kit Control Stop Drills

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

Articles

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

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

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

Control Drill Stop Kit

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

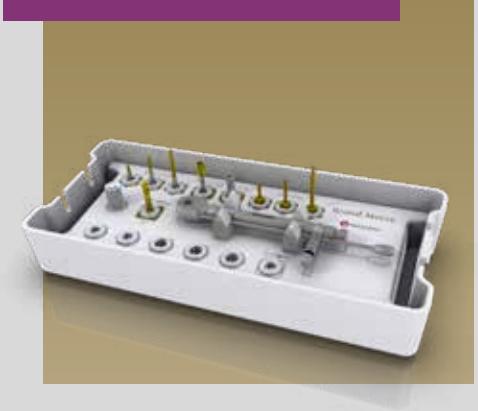
Articles

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

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

Grand Morse® Prosthetic Kit

Autoclavable polymer case.
To order the pre-mounted version of the kit, with its complete composition, use code 110.304.



Articles

GM Prosthetic Kit Case
Neo Screwdriver Torque Connection - Contra-angle (Extra-short)
Neo Screwdriver Torque Connection - Contra-angle (Short)
Neo Screwdriver Torque Connection - Contra-angle (Medium)
Hexagonal Prosthetic Driver - Contra-angle
Hexagonal Prosthetic Driver - Torque Wrench
Neo Screwdriver Torque Connection (Short) - Torque Wrench
Neo Screwdriver Torque Connection (Medium) - Torque Wrench
Neo Screwdriver Torque Connection (Long) - Torque Wrench
Manual Screwdriver Torque
GM Height Measurer
Torque Wrench

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

Grand Morse® Try-In Kit

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

Articles

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

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

Grand Morse®
Instruments

Initial Drill

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

103.170

Tapered Drills

:: Available in surgical steel;
:: Drill sequence for Helix GM® and Drive GM® Implants.

	Short 31 mm	Regular 35 mm	Long 43 mm
Ø 2.0	103.559	103.425	103.560
Ø 3.5	103.400	103.399	103.401
Ø 3.75	103.403	103.402	103.404
Ø 4.0	103.406	103.405	103.407
Ø 4.3	103.409	103.408	103.410
Ø 5.0	103.412	103.411	103.413
Ø 6.0	103.427		

Tapered Contour Drills

:: For preparing the implant bed in bone types I and II for Helix GM® Implants.

Ø 3.5+	103.419
Ø 3.75+	103.420
Ø 4.0+	103.421
Ø 4.3+	103.422
Ø 5.0+	103.423

Pilot Drills

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

Ø 2/3	103.213		
Ø 2.8/3.5	103.414	Ø 4.3/5	103.418
Ø 3/3.75	103.415	Ø 3.8/4.3	103.214
Ø 3.3/4	103.416	Ø 4.3/5.3	103.215
Ø 3.6/4.3	103.417	Ø 5.3/6	103.221

Twist Drills

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

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

Tapered Control Stop Drills

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

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

Tapered+ Control Stop Drills

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

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

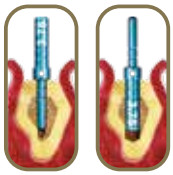
Control Drill Stops

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

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

Direction Indicators

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



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

Drill Extension

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

103.426

GM Height Measurer

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

128.028

GM Implant Driver - Contra-Angle

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

105.131

GM Implant Driver - Torque Wrench

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

Short	Long
22 mm	30 mm
105.129	105.130

Neo Screwdriver Torque Connection - Torque Wrench

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

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

Neo Manual Screwdriver

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

Short	Medium	Long
21 mm	25 mm	37 mm
104.058	104.060	104.072

Neo Screwdriver Torque Connection - Contra-angle

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

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

Hexagonal Prosthetic Driver

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

Contra-angle	Torque Wrench
105.138	105.137

Angled Solution Screwdriver for Torque Wrench

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

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

Angled Solution Screwdriver for Contra-angle

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

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

GM Bone Profile Drill with Guide

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

103.424

Angle Measurer for Drill 2.0

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

17°	30°
128.030	128.031

GM Angle Measurer

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

17°	30°
128.032	128.033

Control Stop Kit Holder

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

110.310

Manual Implant Drivers

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

Contra-angle Connections	Torque Wrench Connections
104.028	104.005

Torque Wrench

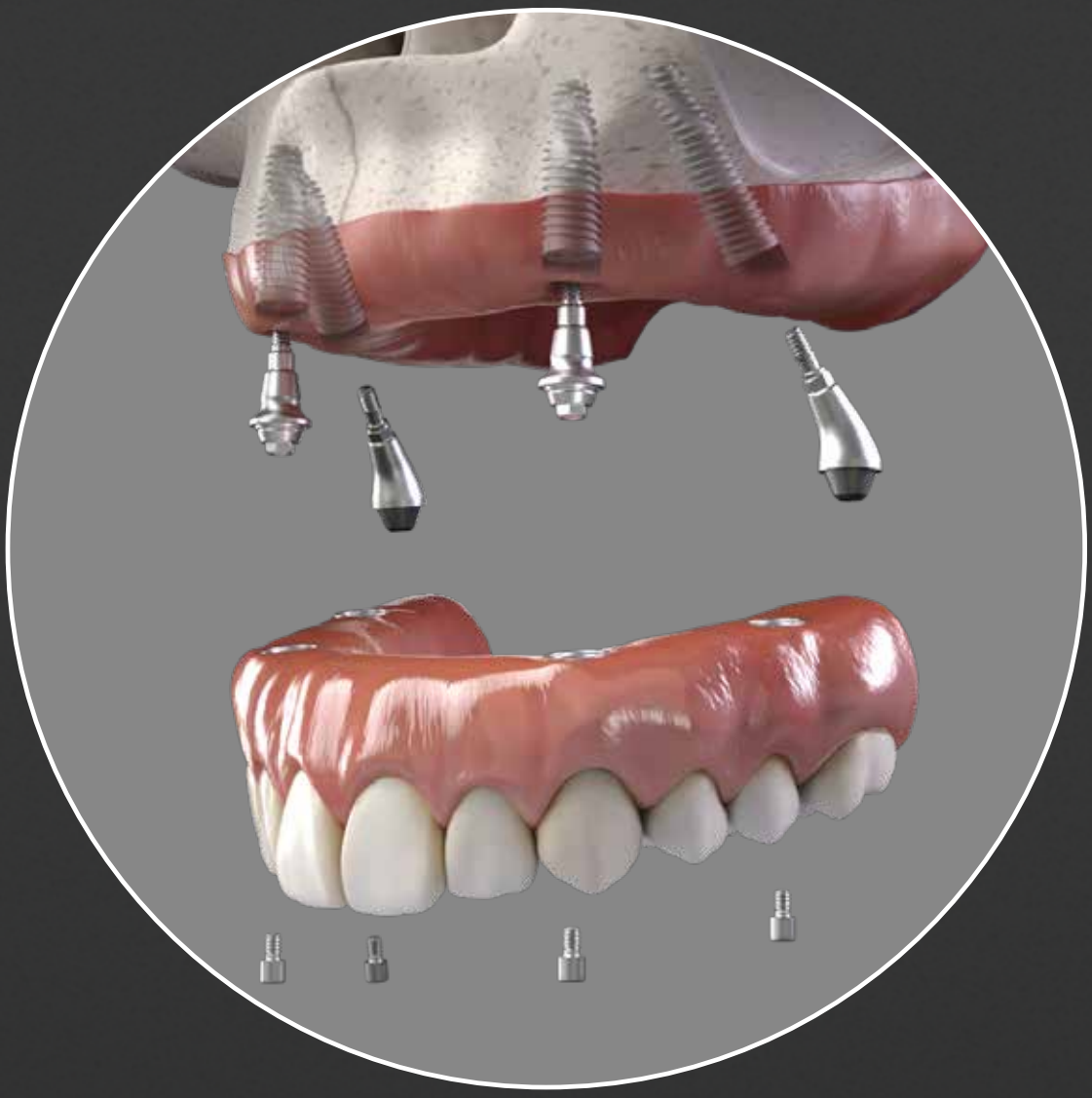
:: Available in surgical steel;
:: Fitting for square connections;
:: Collapsible Wrench that allows for proper assembly cleaning.

104.050

A SMILE FOR **EVERYONE**

NEODENT® NEOARCH®
IMMEDIATE FIXED FULL-ARCH SOLUTION

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



Immediate function resulting in shorter treatment times.

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

Immediate natural-looking esthetics with versatile restorative options.

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

Immediate peace of mind thanks to a stable foundation.

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

SOLUTIONS FOR ALL CLINICAL NEEDS

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

Helix **GM®** Long

PRODUCT FEATURES:

Implants Description:
• Full dual tapered implant;
• Hybrid contour with a cylindrical coronal part and conical on the apical area;
• Active apex including a soft rounded small tip and helicoidal flutes;
• Dynamic progressive thread design: from compressing trapezoidal threads on the coronal area to self-tapping threads on the apical part;
• Double lead threaded implant;
• Holder integrated to the implant body, which adapt in the packaging;
• Neoporos surface;
• Grand Morse® connection.

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

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

Available with:

NeoPoros®

Drill Sequence

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

Bone types III and IV

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

Helix **GM®** Long implants

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

GM Healing Abutment

Profile	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
Ø 3.3	106.207	106.208	106.209	106.210	106.211	106.212
Ø 4.5	106.213	106.214	106.215	106.216	106.217	106.218

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

GM Customizable Healing Abutments

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

GM Cover Screw

0 mm	2 mm
117.021	117.022

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

Zygoma **GM™**

PRODUCT FEATURES:

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

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

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

Available with:

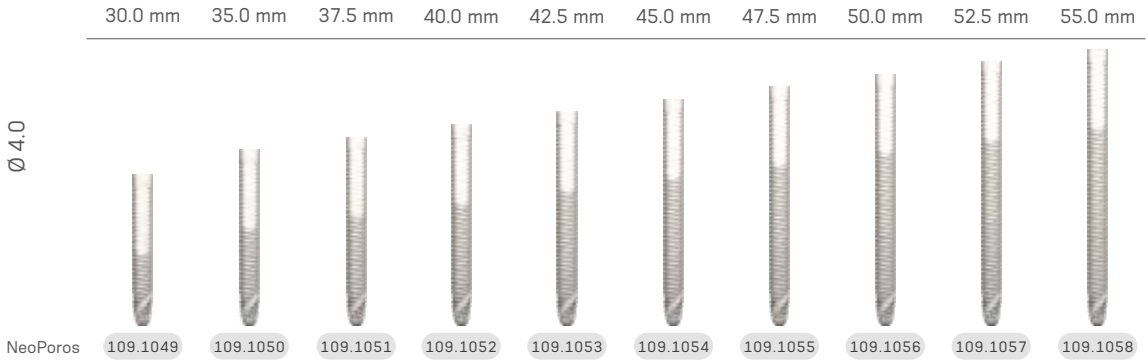
NeoPoros®

Drill Sequence

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

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

Zygoma **GM™** Implants



	30.0 mm	35.0 mm	37.5 mm	40.0 mm	42.5 mm	45.0 mm	47.5 mm	50.0 mm	52.5 mm	55.0 mm
NeoPoros	109.1049	109.1050	109.1051	109.1052	109.1053	109.1054	109.1055	109.1056	109.1057	109.1058

GM Cover Screw

0 mm	2 mm
117.021	117.022

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

GM Mini Conical Abutment

Multiple-unit screw-retained prosthesis

Ø 4.8 mm

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

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

Installation Sequence

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

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

or

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

	1.5 mm	2.5 mm	3.5 mm
17°	115.249	115.250	115.251
30°	115.252	115.253	115.254
45°	115.267	115.268	

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

or or

Intraoral

GM Mini Conical Abutment Scanbody (3) — 108.196

Mini Conical Abutment Hybrid Repositionable Analog — 101.092

Neo Mini Conical Abutment One Step Hybrid Coping (10 N.cm, 2) — 118.330

Model Scanning

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

Mini Conical Abutment Hybrid Repositionable Analog — 101.092

GM Mini Conical Abutment Scanbody (3) — 108.196

Neo Mini Conical Abutment One Step Hybrid Coping (10 N.cm, 2) — 118.330

Conventional

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

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

or

Neo Mini Conical Abutment Protection Cylinder (3) — 106.220

Mini Conical Abutment Analog

101.092 Hybrid Repositionable (conventional/digital)

101.020 Conventional

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

or

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

Drivers

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

Accessories

Mini Conical Abutment Polishing Protector — 123.008

Replacement Coping Screw

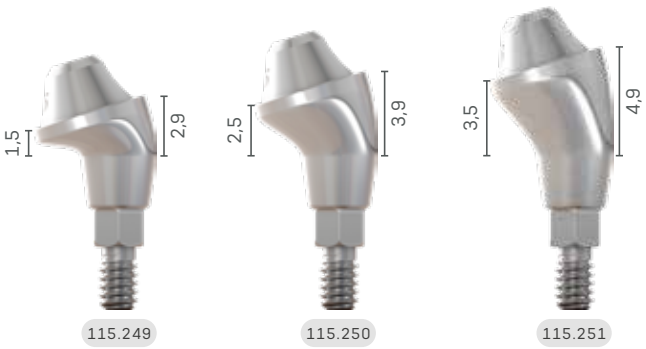
116.269 Titanium

116.270 Neotorque*

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

Measurements GM Mini Conical Abutment

17°



115.249 115.250 115.251

30°

115.252 115.253 115.254

45°*

115.267 115.268

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

NeoArch®
Kits

Helix GM® Long Compact Surgical Kit

Autoclavable polymer case.

Articles

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

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

Zygoma GM™ Surgical Kit

Autoclavable polymer case.

Articles

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

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

NeoArch®
Instruments

Helix GM® Long Drills

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

Initial	Ø 2.35	Ø 3.75	Ø 4.0
103.453	103.462	103.463	103.464

Helix GM® Long Drills for Guided Surgery

:: Available in surgical steel;
:: Drill sequence for Helix GM® Long implants on Guided Surgery.

Ø 2.35	Ø 3.75	Ø 4.0
103.459	103.460	103.461

Zygoma GM™ Drills

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

	Pilot		
Ø 2.35	Ø 2.3/3.2	Ø 3.75	Ø 4.0
103.455	103.465	103.456	103.457

Zygoma GM™ Lateral Direction Drill

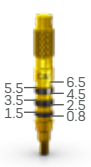
:: Available in surgical steel;
:: Spherical tip with guide pin and helical blades for preparing the site for the implant placement in the exteriorized technique.

Ø 4.0
103.458

Zygoma GM™ Drill for Guided Surgery

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

Ø 2.35
103.454



GM Height Measurer

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

128.028

GM Implant Driver - Contra-Angle

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

105.131

GM Implant Driver - Torque Wrench

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

Short 22 mm	Long 30 mm
105.129	105.130

Neo Screwdriver Torque Connection - Torque Wrench

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

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

Neo Manual Screwdriver

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

Short 21 mm	Medium 25 mm	Long 37 mm
104.058	104.060	104.072

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
105.146	105.135	105.160

Hexagonal Prosthetic Driver

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

Contra-angle	Torque Wrench
105.138	105.137

GM Bone Profile Drill with Guide

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

103.424

GM Angle Measurer

:: Available in titanium;
:: Angles: 17°, 30° and 45°;
:: To a more accurate selection and planning of the abutments angulation during the prosthetic phase.

17°	30°	45°
128.032	128.033	128.034

Helix GM® Long Drill Guide for Guided Surgery

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

Ø 2.0/2.35	Ø 3.75/4.0
125.140	125.141

Zygoma GM™ Drill Guide for Guided Surgery

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

Ø 2.35
125.139

Guided Surgery Drill 1.3 and Guide Clamp

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

Drill Ø 1.3	Guide Clamp
103.395	125.100

Guided Surgery GM Connection - Contra-Angle

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

Regular
105.140

Guided Surgery GM Connection - Torque Wrench

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

Regular
105.143

Helix GM® Long X-ray Positioner

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

129.021

Zygoma GM™ Probes

:: Available in Stainless Steel;
:: The probe for the drill Ø2.35 mm has a tip design in L;
:: The probe for the drill Ø4.0 mm has a tip with a design similar to the apex of the drill that allows identifying the correct drilling depth for implant anchorage.

Ø 2.35	Ø 4.0
129.022	129.023

Zygoma GM™ Installation Driver

:: Instrument for application of manual torque.

104.063

Torque Wrench

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

104.050

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 for Grand Morse®

Compatible with major guided surgery software

Guided implant insertion

Guided bed preparation

Neodent® Guided Surgery **Kit**

Grand Morse® Guided Surgery Surgical Kit

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

Articles

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

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

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

Neodent®
Guided Surgery
Instruments

Guided Surgery Tapered Drills

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

	Ø 2.0	Ø 3.5	Ø 3.75	Ø 4.0	Ø 4.3	Ø 5.0	Ø 6.0
Short 36.5 mm	103.475	103.476	103.477	103.478	103.479	103.480	103.481
Regular 41 mm	103.432	103.433	103.434	103.435	103.436	103.437	103.438

Guided Surgery Drill 1.3 and Guide Clamp

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

Drill Ø 1.3	Guide Clamp
103.395	125.100

Guided Surgery Tapered Contour Drills

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

	Ø 3.5+	Ø 3.75+	Ø 4.0+	Ø 4.3+	Ø 5.0+
Short 36.5 mm	103.482	103.483	103.484	103.485	103.486
Regular 41 mm	103.439	103.440	103.441	103.442	103.443

Guided Surgery Punch - Contra-Angle

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

Narrow	Regular	Wide
103.429	103.430	103.431

Guided Surgery GM Pilot Drills

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

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

Guided Surgery Drill Guides

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

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

Guided Surgery GM Connection - Contra-Angle

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

Narrow	Regular	Wide
105.139	105.140	105.141

Guided Surgery Guide Stabilizers

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

Narrow	Regular	Wide
125.130	125.131	125.132

Guided Surgery GM Connection - Torque Wrench

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

Narrow	Regular	Wide
105.142	105.143	105.144

Guided Surgery Guide Stabilizers - Long

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

Narrow	Regular
125.133	125.134

Guided Surgery GM H 11 Connection - Torque Wrench

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

105.145

Sleeves for Neodent® Guided Surgery System

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

125.135 Sleeve for Narrow Guided Surgery System

125.136 Sleeve for Regular Guided Surgery System

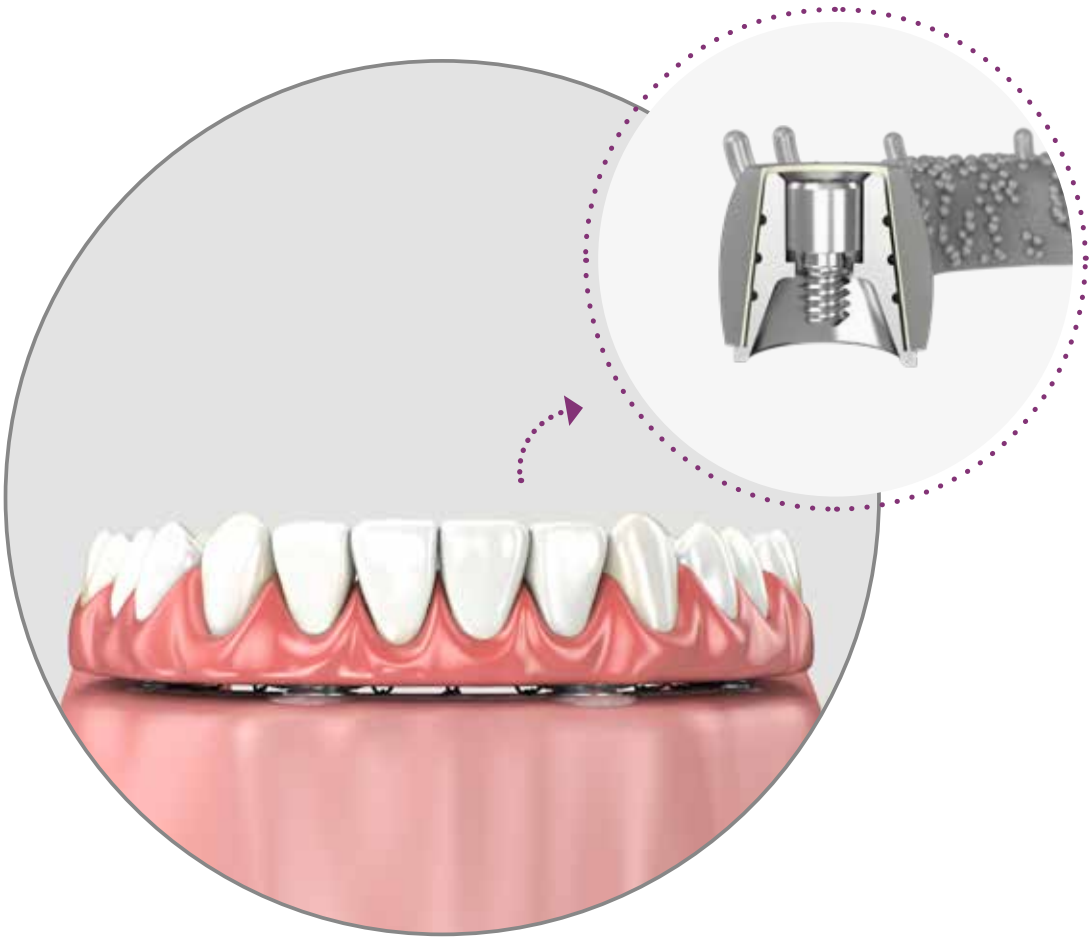
125.137 Sleeve for Wide Guided Surgery System

125.138 Sleeve of Setter for Guided Surgery System

Neodent®
Techniques

One Step Hybrid Technique

Technique that allows passive fitting, with no need for welding as the titanium coping is cemented to the substructure. Used for multiple prostheses and reduces laboratory work times.



Neo Mini Conical Abutment One Step Hybrid Copings

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

Burn-out	Brass	Titanium
118.340	118.331	118.330

Neo Micro Conical Abutment One Step Hybrid Copings

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

Burn-out	Brass	Titanium
118.341	118.333	118.332

Neo Working Screw One Step Hybrid

:: For laboratory use.

116.271

Regularize the alveolar ridge.

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

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

Placement of corresponding Neodent® Abutments.

Placement of Impression Copings, splinted with acrylic
resin.

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

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

Working model with artificial gum.

Burn-out One Step Hybrid Coping, Brass One Step Hybrid Coping, grooved Titanium One Step Hybrid Coping. The last one with lower dimensions than the brass one, which compensates using the mill.

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

Castable ring with waxed framework.

Cast framework.

Place the framework over the stone model.

Please note cementing area.

Cementing with Panavia the structure over the titanium copings.

Final inside-mouth view.

Distal Bar Technique

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

Neo Distal Bar Coping

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

118.308

Neo Distal Bar

:: Recommended for distal Implants to reinforce the cantilever.

125.116

Polishing Protector

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

123.008

Demonstration Sequence

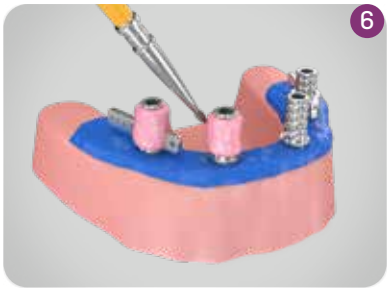
Neodent® Abutments placed.

Prosthesis wearing, keeping posterior region integrity.

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

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

Placement of rubber dam over copings to protect soft tissues.



Apply selfpolymerizing acrylic resin on and between the copings.

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

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

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

Placed provisional implant supported prosthesis.

Final inside-mouth posterior view.

Digital Solutions

Neodent® Digital Libraries

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

Scanbody

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

108.183	GM Exact Implant Intraoral Scanbody
108.181	GM Exact Implant Scanbody (for model)
108.196	GM Mini Conical Abutment Scanbody (intraoral and model)
108.197	GM Micro Abutment (intraoral and model)
108.198	GM Abutment (intraoral and model)

Compatible with Neo Screwdriver

Hybrid Repositionable Analog

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

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

General Instruments

Torque Wrench

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

104.050

Operational Instructions

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

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

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

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

The Neodent® Torque Wrench comes with pre-calibrated torques

Titanium Tweezers

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

129.001

Depth Probe

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

129.004

7 and 9 mm Space Planning Instrument

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

128.026

Surgical Labial Retractor

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

124.001

Columbia Retractor

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

124.003

Scapel Handle

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

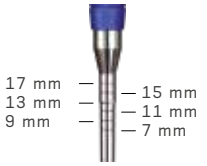
129.008

Bivers Handle

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

129.002

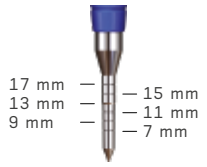
Concave Osteotome



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

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

Convex Osteotome



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

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

Osteotomes Kit Case

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

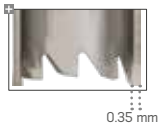
110.262

Surgical Hammer

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

126.001

Trephine Bur



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

Ø 3.3	Ø 3.5	Ø 3.75	Ø 4.1
103.051	103.490	103.491	103.026

Ø 4.3	Ø 5.0	Ø 8.0
103.087	103.027	103.028

Sinus Lift Curette

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

1	3	4	5	7
126.008	126.009	126.010	126.011	126.012

Complement Case

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

110.270

Handle Implant Driver

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

104.047

Analog Handle

:: Used for tightening analogs and milling prosthetic abutments.

104.036

Prosthetic Surgical Guide

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

Guide	Pin
103.092	103.093

References

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

103_neodent_gm_catalogue_en_eU_C00_lr_091220

NEODENT®
A Straumann Group Brand