

CATALOGUE • 2020



NEODENT® PRODUCT CATALOGUE 2020 • ISSUE 01



NEW SMILES EVERY DAY

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



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.



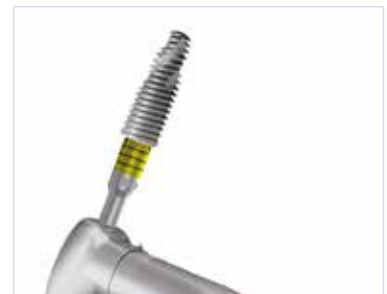
To secure the implant, grip both sides of the implant carrier.



While gripping the implant carrier, 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



ifu.neodent.com.br/en

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

- 2 Enter in the field search the article number.

Search IFU

Type the product or IFU

We found 1 valid IFUs for your search

140.682.19

IFU

CM Drive Implant
Valid for all countries

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

download ▼

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

NEODENT

330.252.19

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

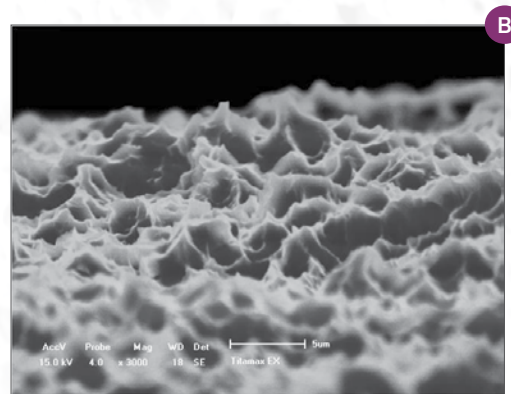
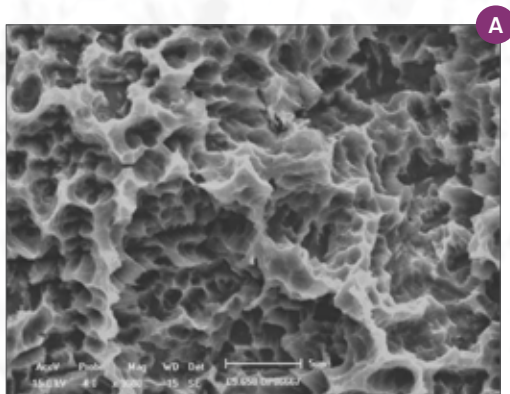
NeoPoros

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 (15-30 μ m) and (B) microtopography (0,3 - 1,3 μ m).

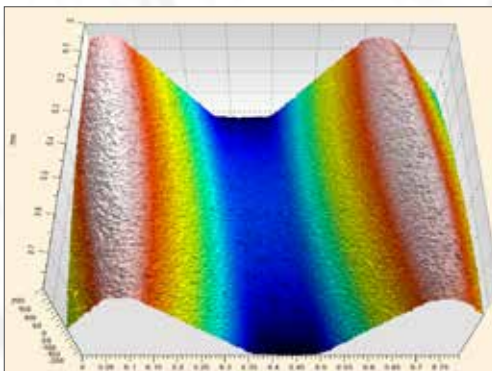


Image taken by confocal microscopy.
Roughness and Microtopography.
($S_a = 1,4 - 1,8 \mu\text{m}$; $S_z = 15 \mu\text{m}$).

acqua®

Acqua Hydrophilic Surface designed for high treatment predictability.

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

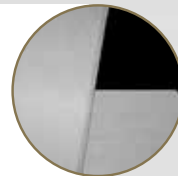
STABLE AND STRONG FOUNDATION
DESIGNED FOR LONG TERM SUCCESS

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.



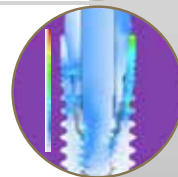
3 Deep Connection

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 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



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



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

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 


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
	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
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	✓	✓			✓						✓			✓			✓

Helix GM® Implants

Bone types III and IV 

		8.0 mm	10.0 mm	11.5 mm	13.0 mm	16.0 mm	18.0 mm
Ø 3.5	Acqua	140.943	140.944	140.945	140.946	140.947	140.988
	NeoPoros	109.943	109.944	109.945	109.946	109.947	109.988
Ø 3.75	Acqua	140.976	140.977	140.978	140.979	140.980	140.981
	NeoPoros	109.976	109.977	109.978	109.979	109.980	109.981
Ø 4.0	Acqua	140.982	140.983	140.984	140.985	140.986	140.987
	NeoPoros	109.982	109.983	109.984	109.985	109.986	109.987
Ø 4.3	Acqua	140.948	140.949	140.950	140.951	140.952	140.989
	NeoPoros	109.948	109.949	109.950	109.951	109.952	109.989
Ø 5.0	Acqua	140.953	140.954	140.955	140.956	140.957	140.990
	NeoPoros	109.953	109.954	109.955	109.956	109.957	109.990
Ø 6.0	Acqua	140.1009	140.1010	140.1011	140.1012		
	NeoPoros	109.1009	109.1010	109.1011	109.1012		

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.

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 

Drill Sequence



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

Drill Sequence



































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

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

► 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.

Workflow Options

0.8 mm	1.5 mm	2.5 mm	 GM Exact Abutment ¹
115.237	115.238	115.239	
3.5 mm	4.5 mm	5.5 mm	
115.240	115.241	115.242	



➤ Intraoral 

➤ Model Scanning 

➤ Conventional

GM Abutment Scanbody ²



108.198

GM Abutment Hybrid Repositionable Analog



101.101

GM Abutment Coping for Crown - Digital Workflow ¹



118.362



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 ¹



118.362



GM Abutment Impression Coping Closed Tray ²



108.179

Neo Abutment Titanium Coping ¹



118.300



Neo Abutment Protection Cylinder ²



106.221

Abutment Analog



101.101

Hybrid Repositionable (conventional/digital)
Conventional
101.076

Neo Abutment CoCr Coping ¹



118.299




Neo Abutment Burn-out Coping ¹



118.298




¹



Neo Screwdriver Torque Connection + Torque Wrench

²



Neo Screwdriver Torque Connection + Manual Screwdriver Torque

GM Mini Conical Abutment



Consider in addition 1.5 - 2.0 mm for the restorative material

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

► 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.

Workflow Options

GM Mini Conical Abutment ¹

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



or

GM Exact Mini Conical Abutment 17°/30° ²

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



or

or

Intraoral

GM Mini Conical Abutment Scanbody ³



108.196

Model Scanning

Slim Mini Conical Abutment Open Tray Impression Coping ³



108.176

Conventional ³

Slim Mini Conical Abutment Open Tray Impression Coping ³



108.176



Mini Conical Abutment Hybrid Repositionable Analog



101.092

Mini Conical Abutment Hybrid Repositionable Analog



101.092



GM Mini Conical Abutment Scanbody ³



108.196

Neo Mini Conical Abutment Titanium Coping ²



118.302

Neo Mini Conical Abutment Protection Cylinder ³



106.220

Mini Conical Abutment Analog



101.092

101.020

Hybrid Repositionable (conventional/digital)
Conventional



Neo Mini Conical Abutment One Step Hybrid Coping ²



118.330

Neo Mini Conical Abutment One Step Hybrid Coping ²



118.330

Neo Mini Conical Abutment CoCr Coping ²



118.303

Neo Mini Conical Abutment Burn-out Coping ²



118.301

1



Hexagonal Prosthetic Driver

Torque Wrench

2



Neo Screwdriver Torque Connection

Torque Wrench

3




Neo Screwdriver Torque Connection

Manual Screwdriver Torque


GM Micro Abutment

Recommended for limited spaces and narrow inter-dental spaces.



Single-unit screw-retained prosthesis

OR



Multiple-unit screw-retained prosthesis



024

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

► Accessories

Micro Abutment
Polishing Protector

Bridge 123.015

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.

Workflow Options

1
GM Micro Abutment

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

32 N.cm

› Intraoral

› Model Scanning

› Conventional

3
GM Micro Abutment Scanbody

3
Micro Abutment Impression Coping
Closed Tray for single-unit prosthesis
Open Tray Slim for multiple-unit prosthesis

3
Micro Abutment Impression Coping
Closed Tray for single-unit prosthesis
Open Tray Slim for multiple-unit prosthesis

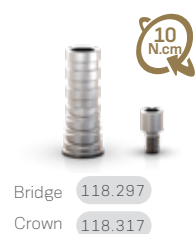


Micro Abutment Hybrid
Repositionable Analog

Micro Abutment Hybrid
Repositionable Analog

Neo Micro Abutment
Titanium Coping

Neo Micro Abutment
Protection Cylinder



or

GM Micro Abutment Scanbody

Micro Abutment Analog

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

2
Neo Micro Conical
Abutment One Step
Hybrid Coping

2
GM Micro Abutment
Coping for Crown
Digital Workflow



GM Micro Abutment Scanbody

2
Neo Micro Conical
Abutment One Step
Hybrid Coping

2
GM Micro Abutment
Coping for Crown
Digital Workflow



2
Neo Micro Abutment
CoCr Coping

2
Neo Micro Abutment
Burn-out Coping



1

Hexagonal
Prosthetic Driver + Torque Wrench

2

Neo Screwdriver
Torque Connection + Torque Wrench

3

Neo Screwdriver
Torque Connection + Manual Screwdriver
Torque

GM Anatomic Abutment



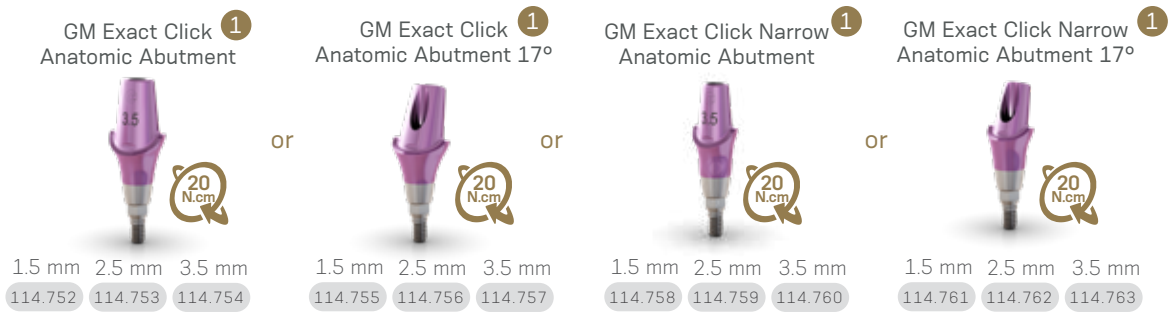
Single-unit
cement-retained
prosthesis

Recommended for anterior region.



Consider in addition 1.5 - 2.0 mm for the restorative material
Minimum interocclusal space of 4.9 mm from the mucosa level

Installation Sequence



Click Provisional Coping



GM Exact Click Anatomic Abutment 118.334 118.335 GM Exact Click Narrow Anatomic Abutment

Impression of the GM Exact Click Anatomic Abutment

Lab stage

Finalized prosthesis

2 GM Implant Exact Impression Coping Closed and Open Tray



Regular 108.160 108.162 Regular
Long 108.161 108.163 Long

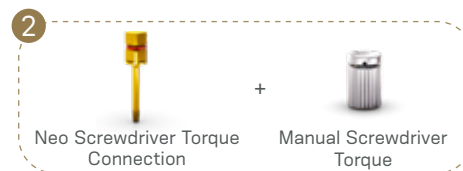
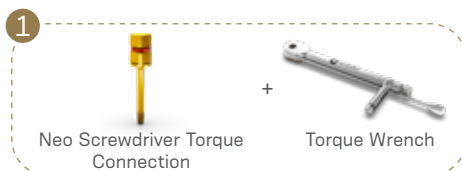
GM Implant Analog



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

Lab stage

Finalized prosthesis



GM Universal Abutment









Single-unit
cement-retained
prosthesis

028



Consider in addition 1.5 - 2.0 mm for the restorative material
Minimum interocclusal space of 4.9 mm from the mucosa level

Installation Sequence

		1 GM Exact Click Universal Abutment					or	1 GM Exact Click Universal Abutment 17°			or	1 GM Exact Click Universal Abutment 30°		
														
														
		0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm	1.5 mm	2.5 mm	3.5 mm	1.5 mm	2.5 mm	3.5 mm	
4 mm	Ø 3.3	114.566	114.567	114.568	114.569	114.570	114.571	114.542	114.543	114.544	114.554	114.555	114.556	
	Ø 4.5	114.578	114.579	114.580	114.581	114.582	114.583	114.548	114.549	114.550	114.560	114.561	114.562	
6 mm	Ø 3.3	114.572	114.573	114.574	114.575	114.576	114.577	114.545	114.546	114.547	114.557	114.558	114.559	
	Ø 4.5	114.584	114.585	114.586	114.587	114.588	114.589	114.551	114.552	114.553	114.563	114.564	114.565	

Click Universal Abutment Impression Coping



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

Click Universal Abutment Provisional Coping



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

Universal Abutment Analog



4 mm	Ø 4.5	101.099	6 mm	Ø 4.5	101.100	Hybrid Repositionable (conventional/digital)
4 mm	Ø 3.3	101.097	6 mm	Ø 3.3	101.098	
4 mm	Ø 4.5	101.072	6 mm	Ø 4.5	101.073	Click (conventional)
4 mm	Ø 3.3	101.070	6 mm	Ø 3.3	101.071	

Universal Abutment Burn-out Coping



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

1



Neo Screwdriver
Torque Connection

+



Torque Wrench

GM Titanium Base

With removable screw.



Single-unit
screw-retained
prosthesis



OR
Single-unit
cement-retained
prosthesis



Consider in addition 1.5 - 2.0 mm for the restorative material
Minimum interocclusal space of 4.9 mm from the mucosa level

► Accessories

Replacement Sterile
Screws



Neotorque* 116.285



Titanium 116.286

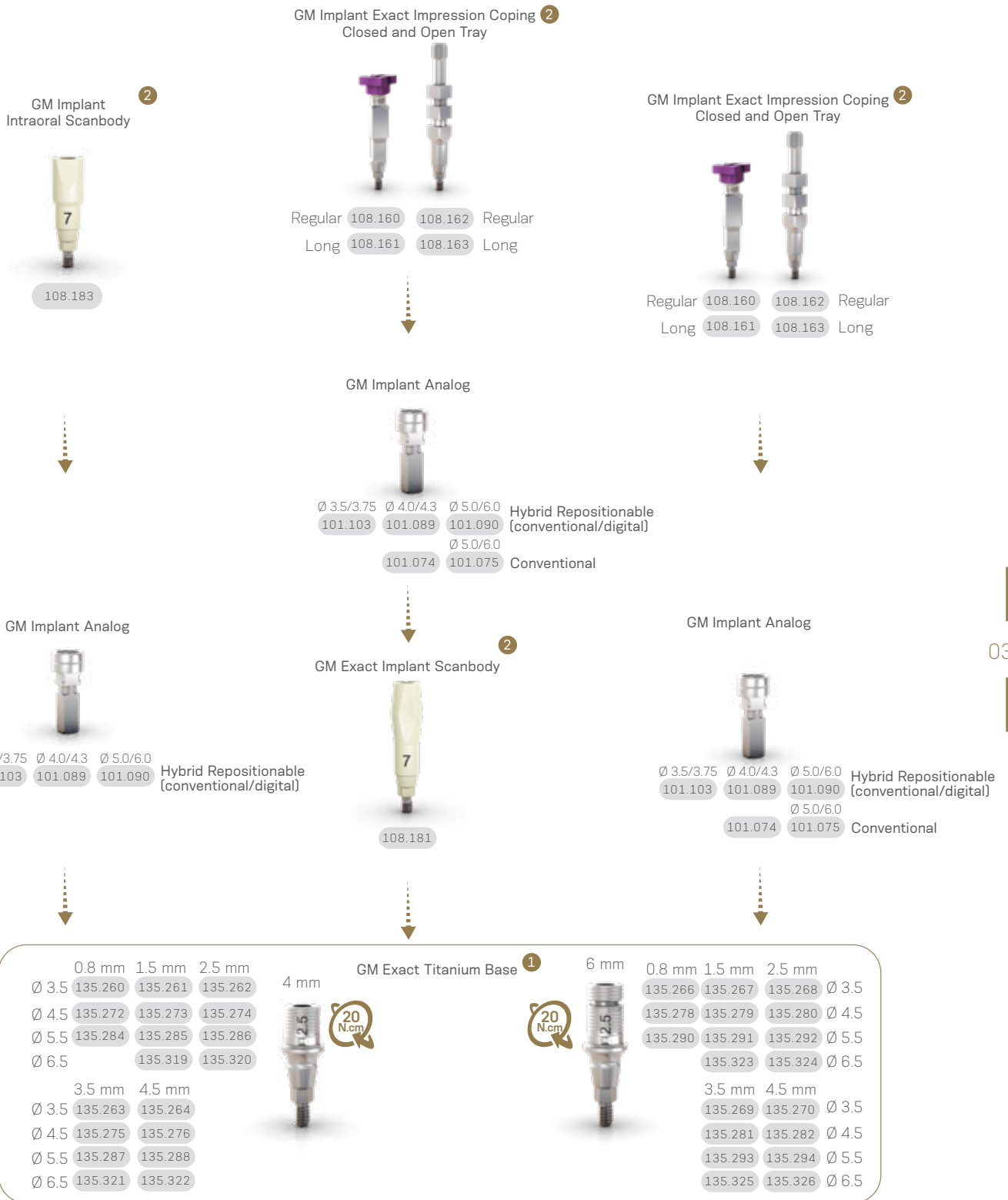
*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.

Workflow Options


➤ Intraoral 

➤ Model Scanning 

➤ Conventional




1



Neo Screwdriver Torque Connection + Torque Wrench

2



Neo Screwdriver Torque Connection + Manual Screwdriver Torque

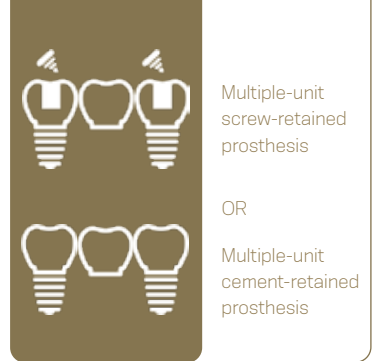
GM Titanium Base Burn-out Coping



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

GM Titanium Base for Bridge

With removable screw.



Multiple-unit screw-retained prosthesis

OR

Multiple-unit cement-retained prosthesis

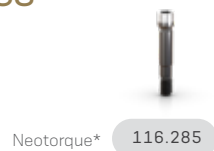
032



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

► Accessories

Replacement Sterile
Screws

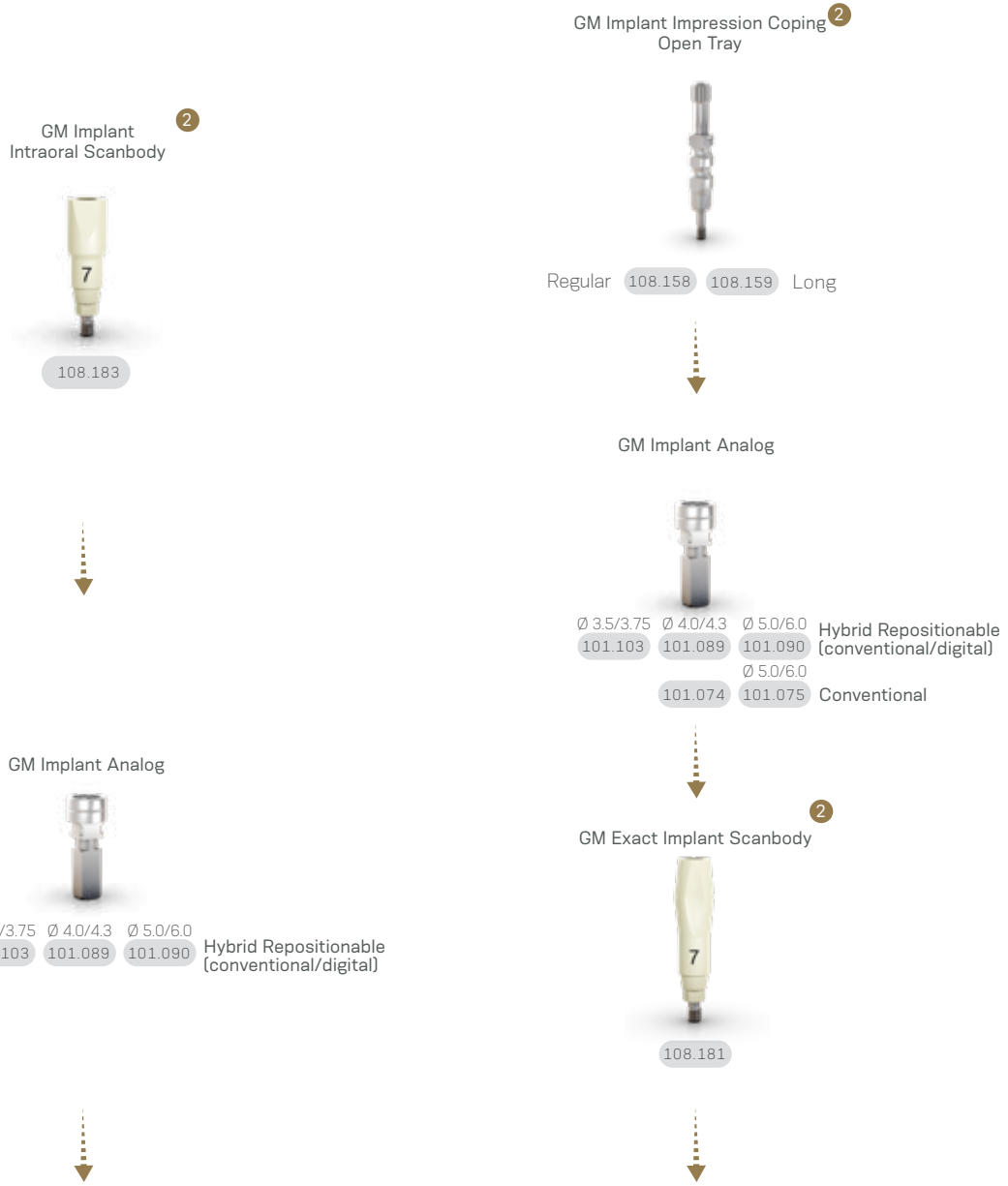


*Application of a carbon-based film coat that provides a lower friction coefficient, resulting in increased pre-load.

Workflow Options


► Intraoral

► Model Scanning



GM Titanium Base for Bridge ¹

	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

 20 N.cm

1

Neo Screwdriver Torque Connection + Torque Wrench

2

Neo Screwdriver Torque Connection + Manual Screwdriver Torque

GM Titanium Base Angled Solution (AS)

With removable screw.



Single-unit screw-retained prosthesis

OR



Single-unit cement-retained prosthesis



034

► Accessories

Replacement Sterile Screw



116.288

Screw for GM Titanium Base AS

Workflow Options

► Intraoral

GM Implant Intraoral Scanbody ²



108.183



GM Implant Analog



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



► Model Scanning

GM Implant Exact Impression Coping ²
Closed and Open Tray



Regular 108.160 108.162 Regular
Long 108.161 108.163 Long



GM Implant Analog



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



GM Exact Implant Scanbody ²



108.181



GM Titanium Base Angled Solution (AS) ¹

			4 mm				6 mm								
0.8 mm	1.5 mm	2.5 mm		20 N.cm	0.8 mm	1.5 mm	2.5 mm		20 N.cm	0.8 mm	1.5 mm	2.5 mm			
Ø 4.0	135.327	135.328			135.329	135.330	135.331			135.332	Ø 4.0	135.336	135.337	135.338	Ø 4.5
Ø 4.5	135.333	135.334			135.335	135.342	135.343			135.344	Ø 5.5				

1

Short 105.150
Regular 105.151
Long 105.152

Angled Solution Screwdriver for Torque Wrench

+ Torque Wrench

or

Short 105.147
Regular 105.148
Long 105.149

Angled Solution Screwdriver for Contra-angle

+ Contra-angle

2

Neo Screwdriver Torque Connection

+ Manual Screwdriver Torque

Titanium Base C for GM

With removable screw.



Single-unit
screw-retained
prosthesis

OR



Single-unit
cement-retained
prosthesis

036



► Accessories

Replacement Sterile
Screws



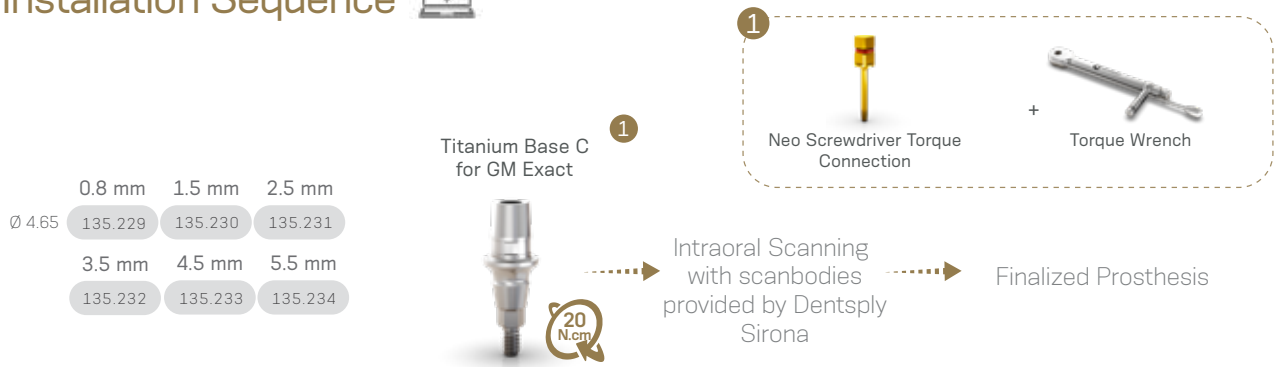
Neotorque* 116.285



Titanium 116.286

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

Installation Sequence



Workflow

Step 1

Gingiva height selection and ordering.



Select the Titanium Base C for GM Exact gingival height.

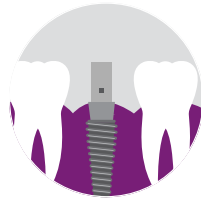


Order the Titanium Base C for GM Exact.

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

Step 2

Intra-oral scanning.



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



Insert scanbody on the Titanium Base C for GM Exact.

Step 3

Design and milling.



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



Mill the digital design.

CEREC digital library compatibility

Library	Sirona's Products				Compatible with implant System	
	Scanbody	REF Scanbody Omnicam	REF Scanbody Bluecam / Ineos	Griding block	Implant manufacturer	Implant system
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						

Step 4


Finalization and fixation.



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

GM Titanium Block for MEDENTiKA Holder

Screw sold separately.



Single-unit screw-retained prosthesis

OR

Single-unit cement-retained prosthesis

OR

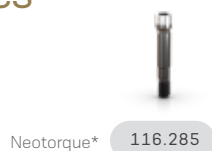
Multiple-unit cement-retained prosthesis



Consider in addition 1.5 - 2.0 mm for the restorative material
Minimum interocclusal space of 4.9 mm from the mucosa level

► Accessories

Sterile Screws
sold separately

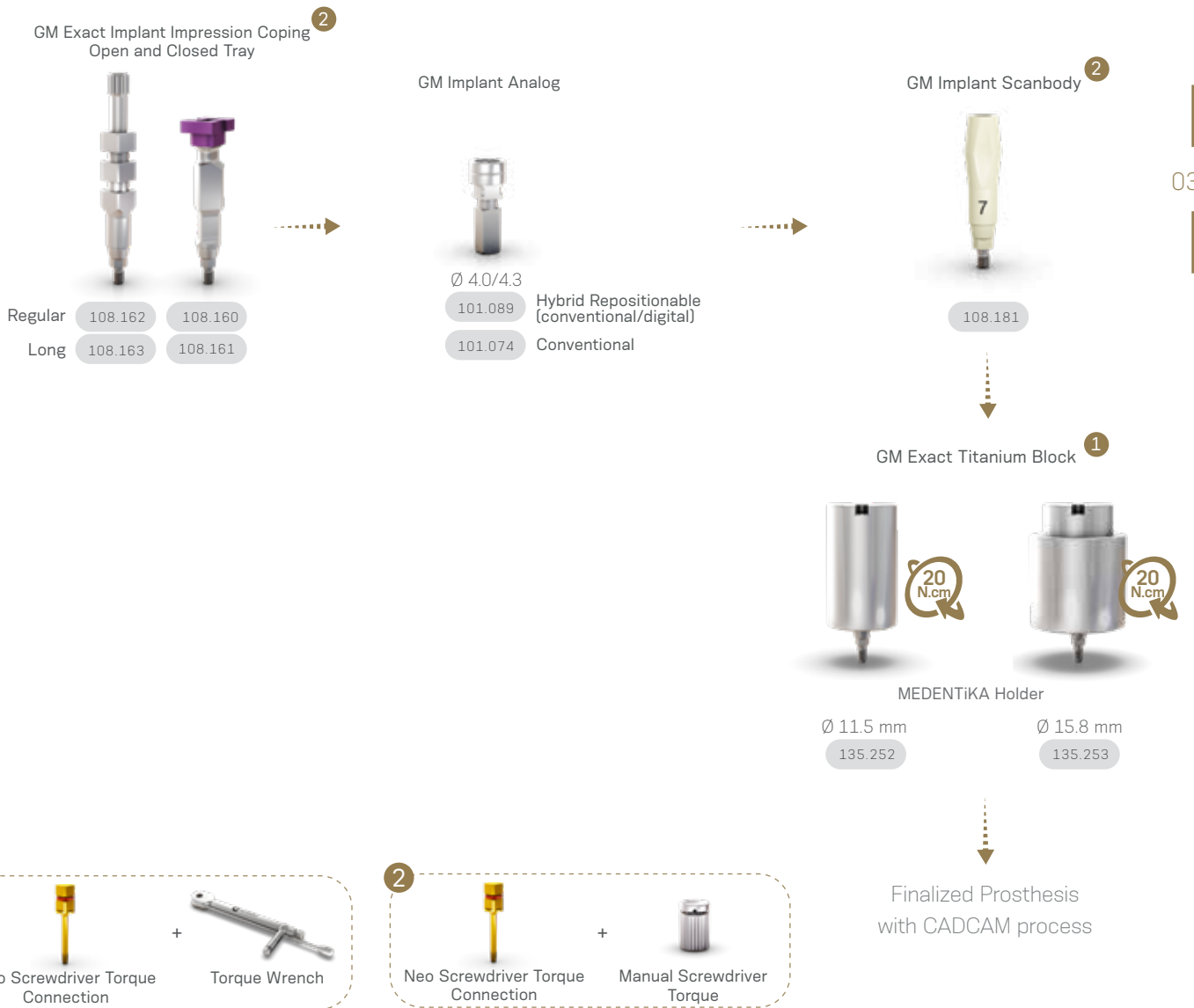


*Application of a carbon-based film coat that provides a lower friction coefficient, resulting in increased pre-load.

Complete Digital Workflow




Semi Digital Workflow



GM Titanium Block for AG Holder

Screw sold separately.



Single-unit screw-retained prosthesis

OR

Single-unit cement-retained prosthesis

OR

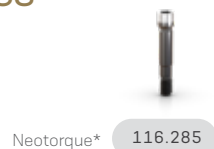
Multiple-unit cement-retained prosthesis

040



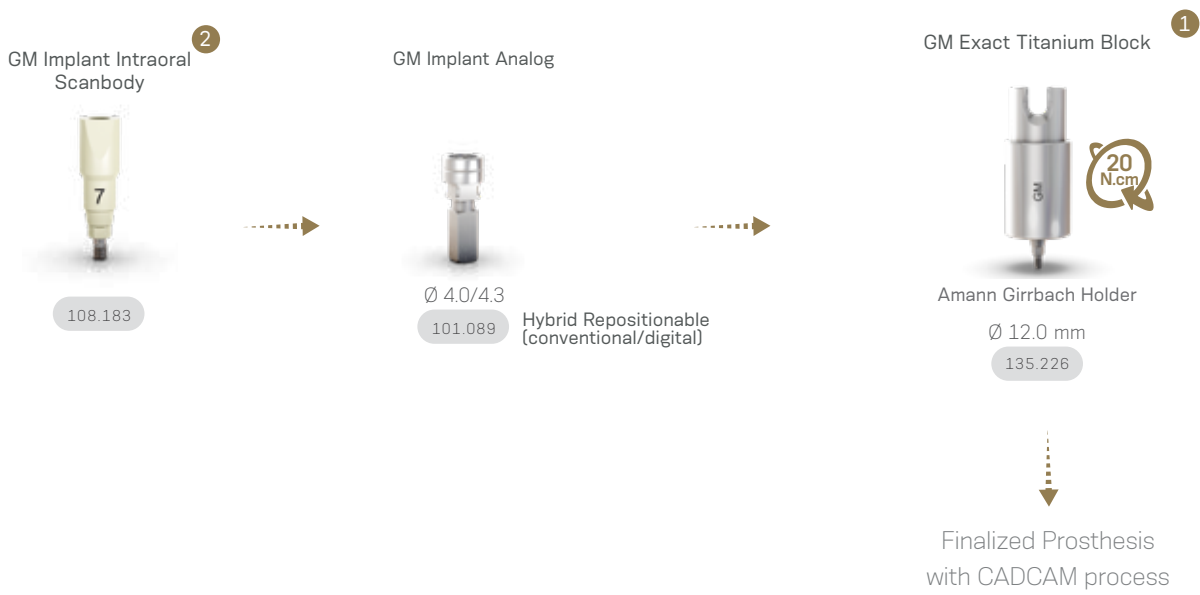
► Accessories

Replacement Sterile Screws

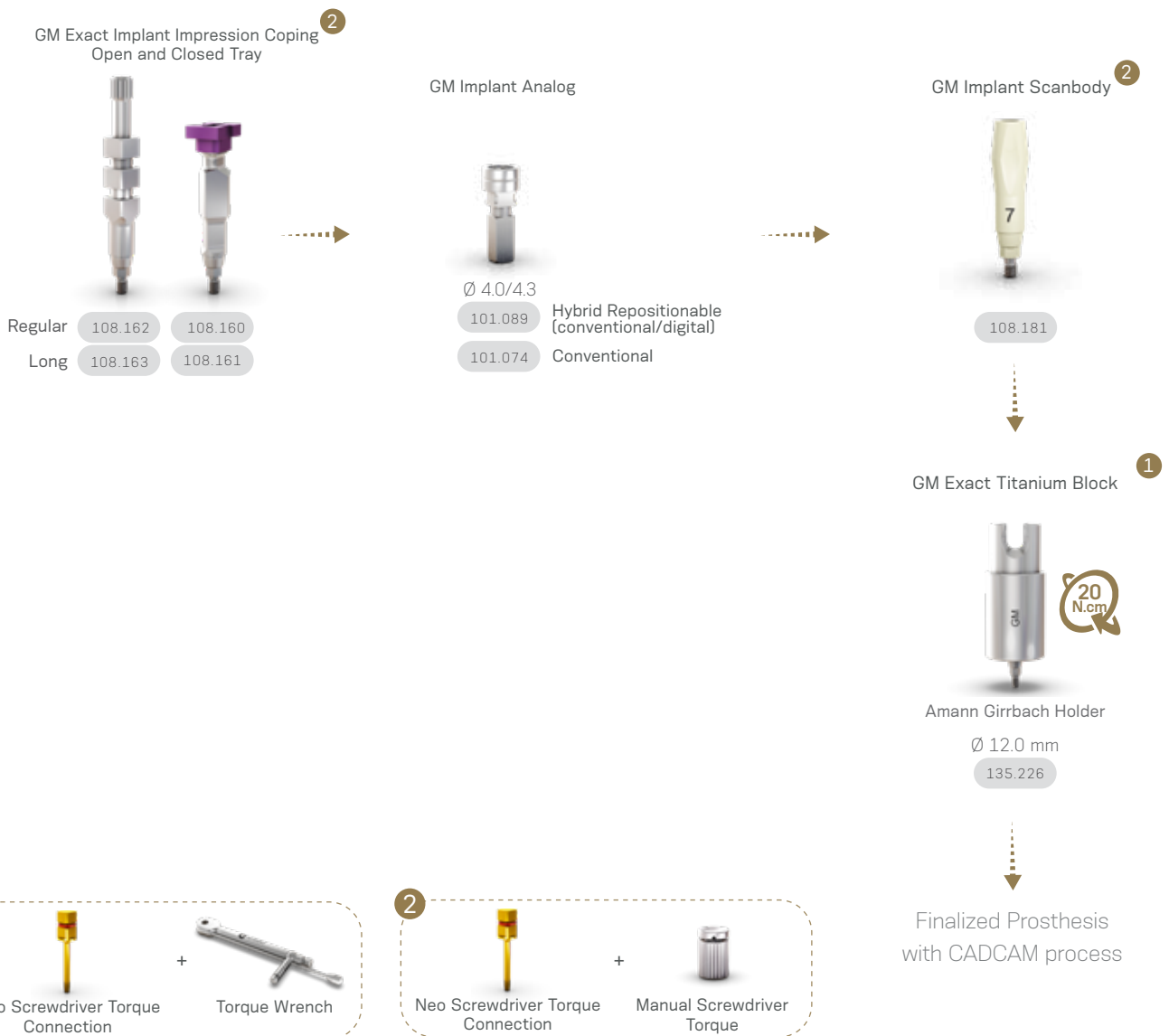


*Application of a carbon-based film coat that provides a lower friction coefficient, resulting in increased pre-load.

Complete Digital Workflow



Semi Digital Workflow



GM CoCr Abutment



Single-unit
screw-retained
prosthesis



OR
Single-unit
cement-retained
prosthesis



042



○ Exact

Consider in addition 1.5 - 2.0 mm for the restorative material
Minimum interocclusal space of 4.9 mm from the mucosa level

► Accessories

Replacement Sterile
Screws



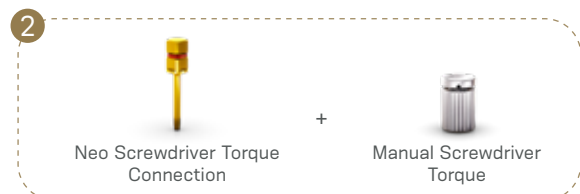
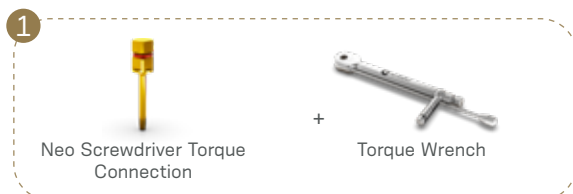
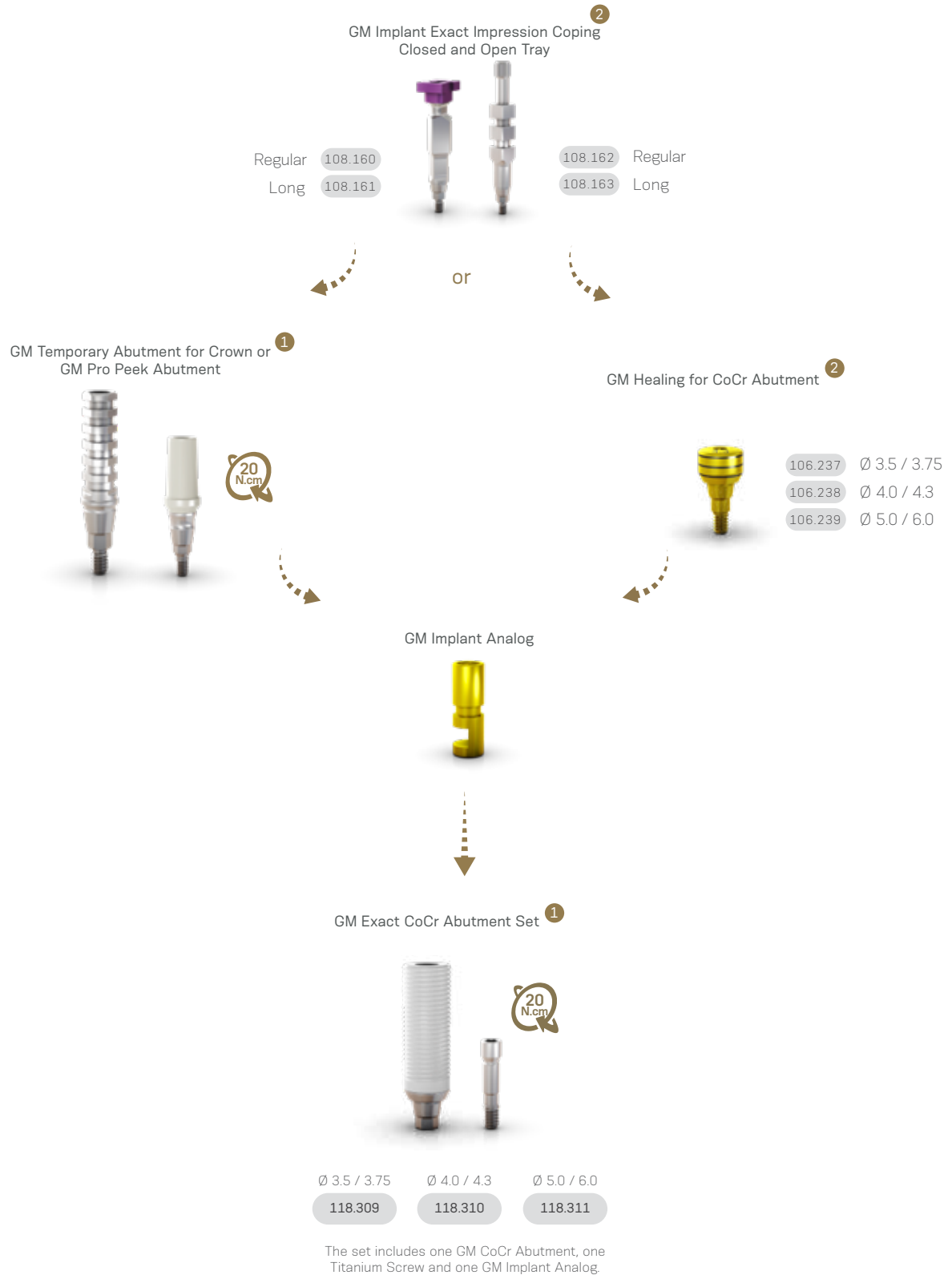
Neotorque* 116.282



Titanium 116.283

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

Installation Sequence

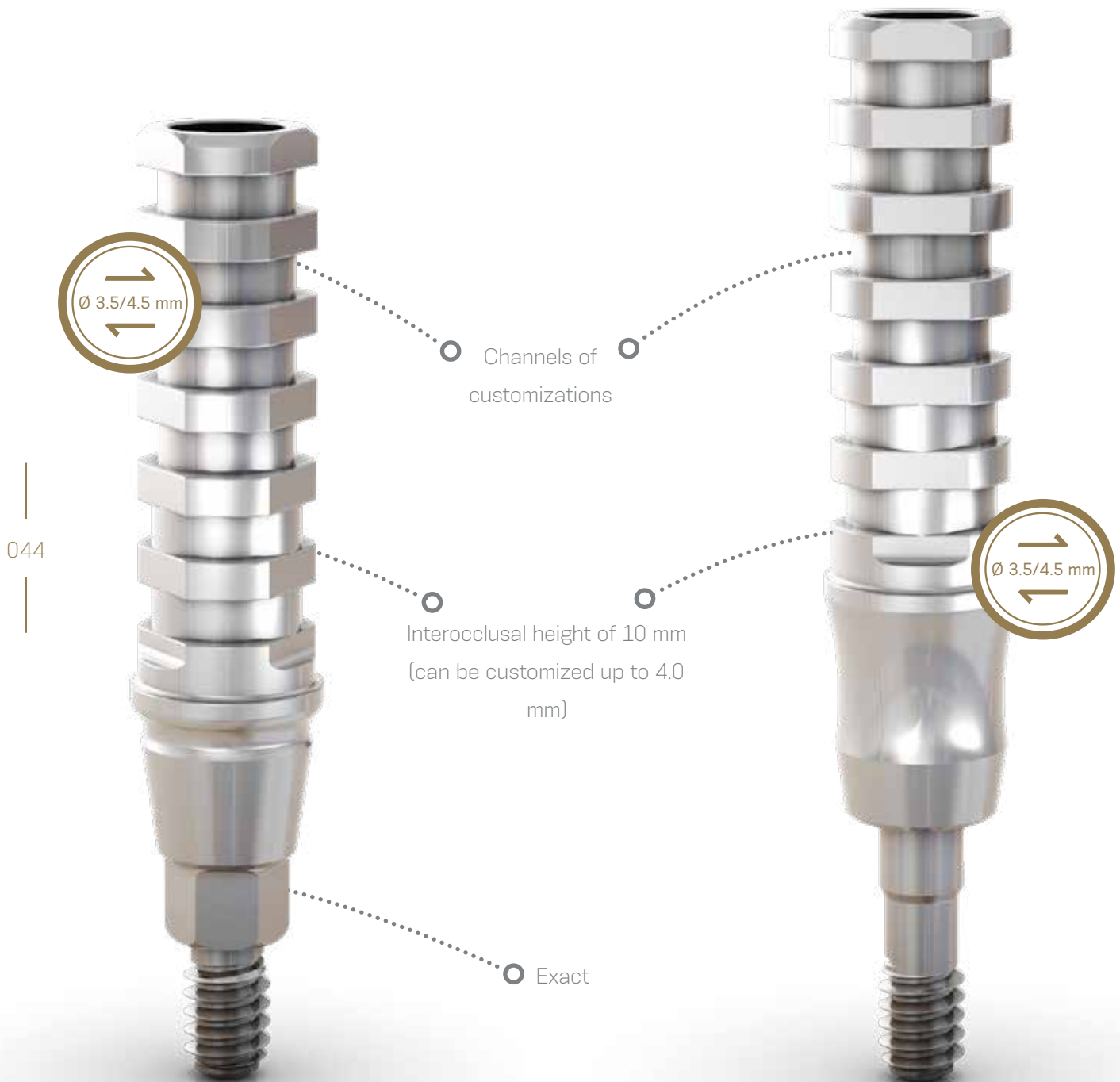
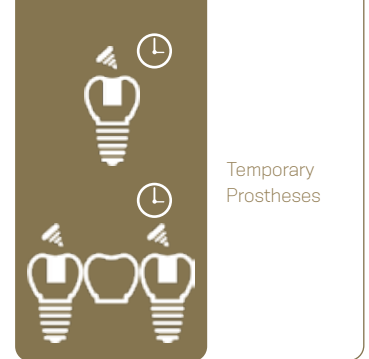


GM Temporary Abutment

Customizable area made of titanium

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

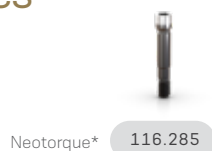
With retentive grooves for acrylic material and allows customization



Consider in addition 1.5 - 2.0 mm for the restorative material

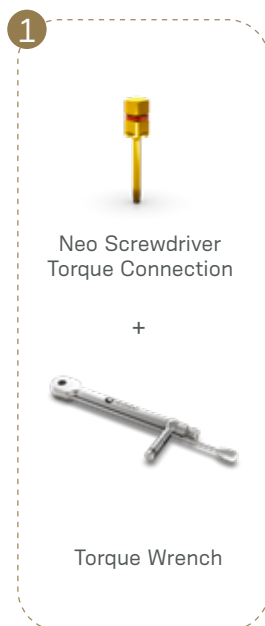
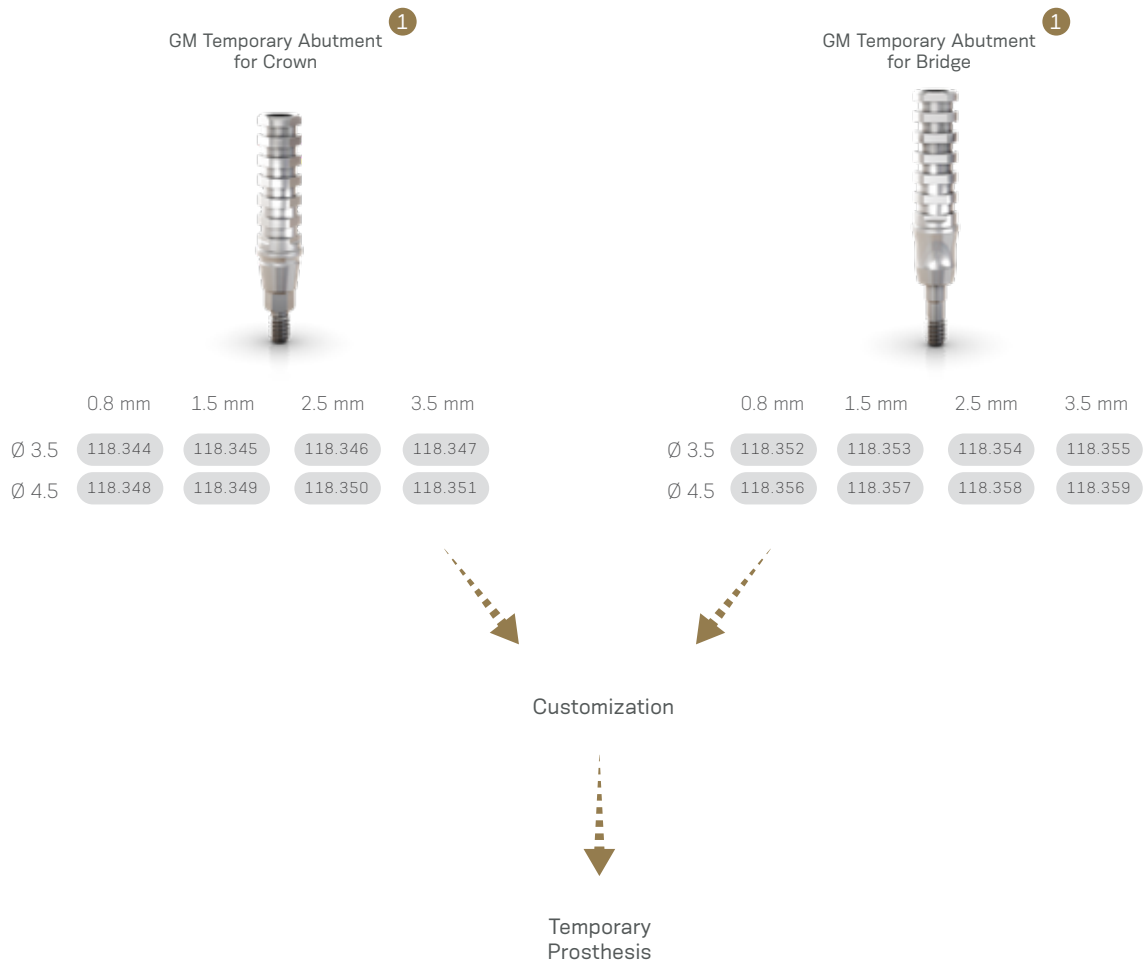
Accessories

Replacement Sterile
Screws



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

► Installation Sequence



GM Pro Peek Abutment

Biocompatible Peek of easy customization



Temporary
prosthesis



Consider in addition 1.5 - 2.0 mm for the restorative material

► Installation Sequence

GM Pro Peek Abutment ¹



	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
Ø 4.5	114.738	114.739	114.740	114.741	114.742	114.743
Ø 6.0	114.744	114.745	114.746	114.747	114.748	114.749



In mouth customization

¹



Neo Screwdriver
Torque Connection

+



Torque Wrench

GM Novaloc



Overdenture

Angled version with removable screw



048

► Accessories



Equipment Box 2010.101



Processing Spacer 2010.723-STM



Mounting Insert 2010.725-STM



Matrix Housing Extractor
2010.751-STM

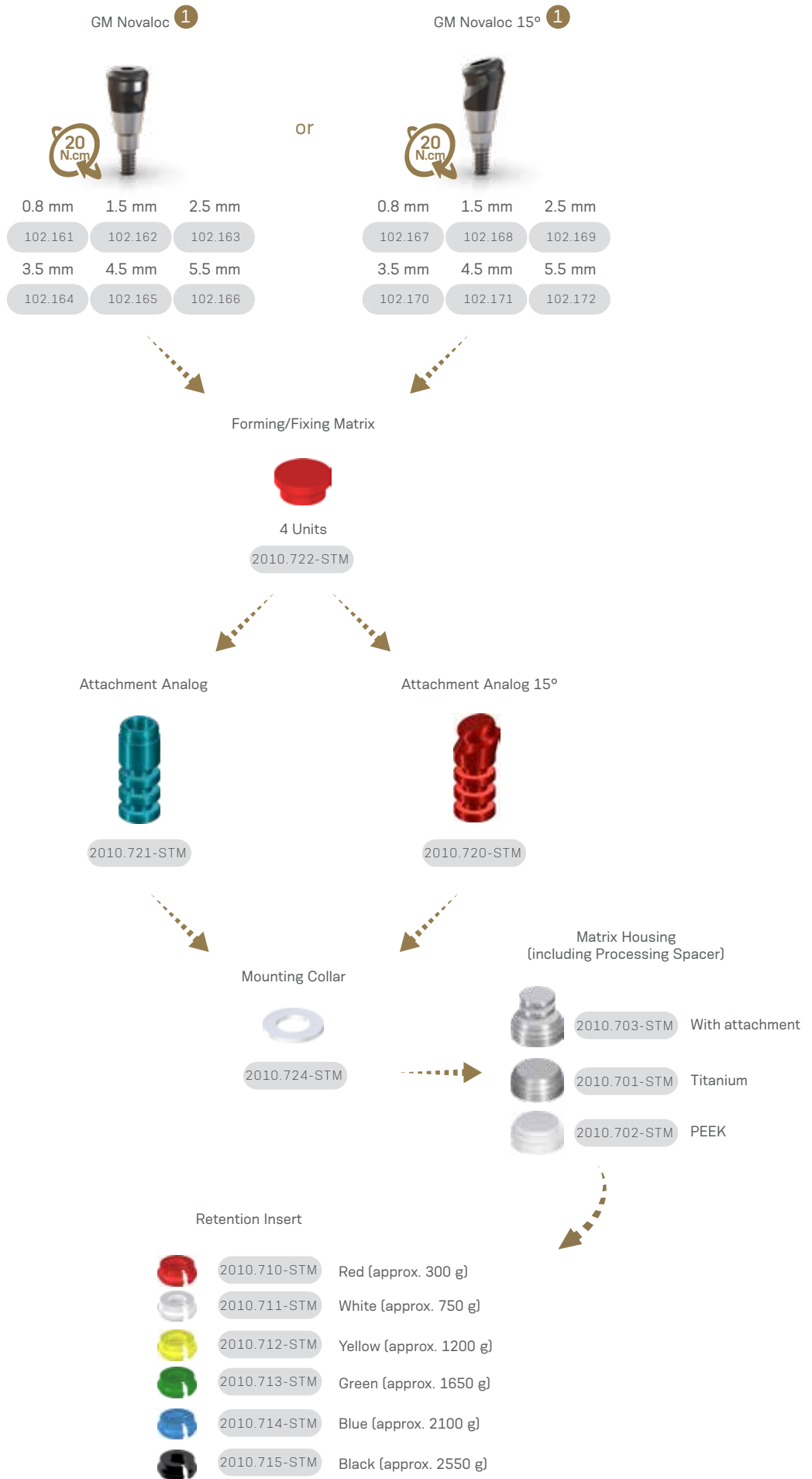


Demounting Tool for Mounting
Inserts for Analogs
2010.731-STM



Mounting and Demounting Tool for
Retention Inserts
2010.741-STM

Installation Sequence

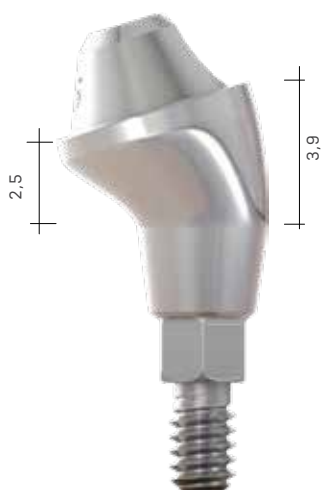


Measurements GM Mini Conical Abutment

► 17°



115.249



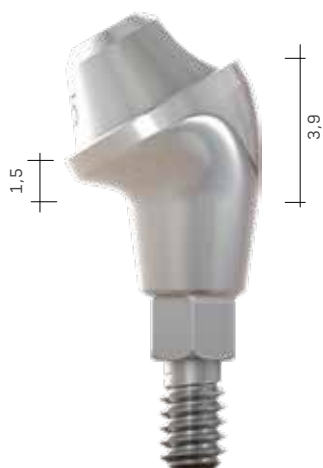
115.250



115.251

050

► 30°



115.252



115.253



115.254

Measurements GM Anatomic Abutment

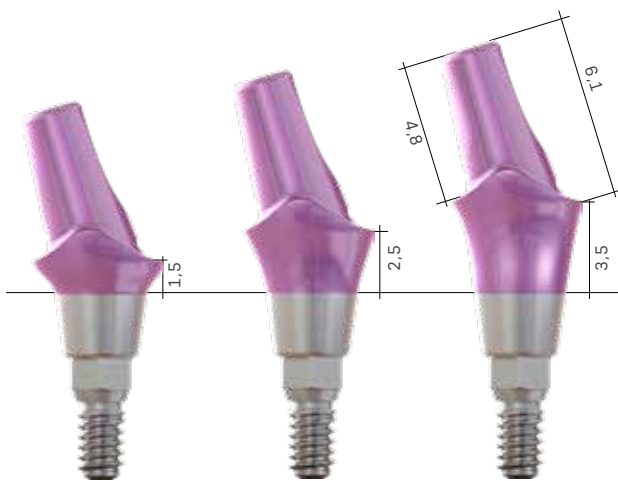
► Narrow Anatomic Abutment



► Anatomic Abutment



► Narrow Anatomic Abutment 17°

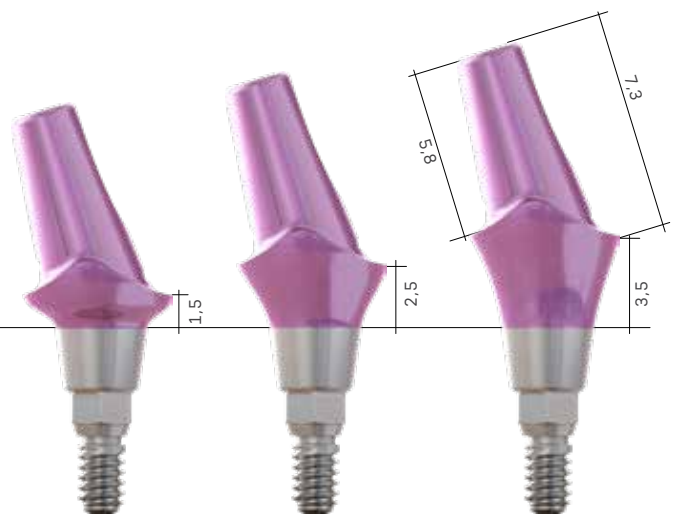


114.761

114.762

114.763

► Anatomic Abutment 17°



114.755

114.756

114.757

Measurements GM Universal Abutment

► 17°

4 mm chimney height

Ø 3.3 / 17°



114.542

114.543

114.544

4 mm chimney height

Ø 4.5 / 17°



114.548

114.549

114.550

6 mm chimney height

Ø 3.3 / 17°



114.545

114.546

114.547

6 mm chimney height

Ø 4.5 / 17°



114.551

114.552

114.553

► 30°

4 mm chimney height

Ø 3.3 / 30°



114.554

114.555

114.556

4 mm chimney height

Ø 4.5 / 30°



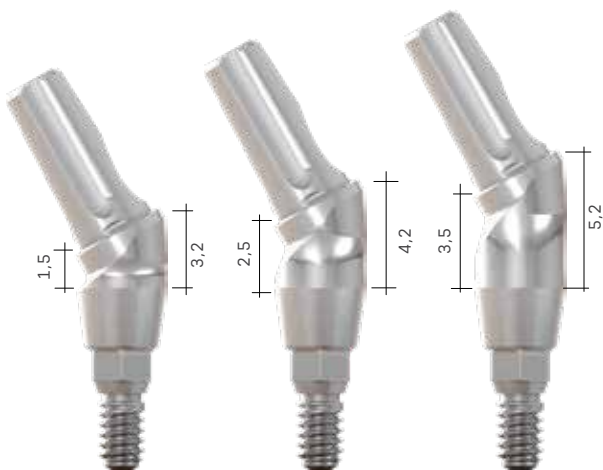
114.560

114.561

114.562

6 mm chimney height

Ø 3.3 / 30°



114.557

114.558

114.559

6 mm chimney height

Ø 4.5 / 30°



114.563

114.564

114.565



Grand Morse[®] Kits

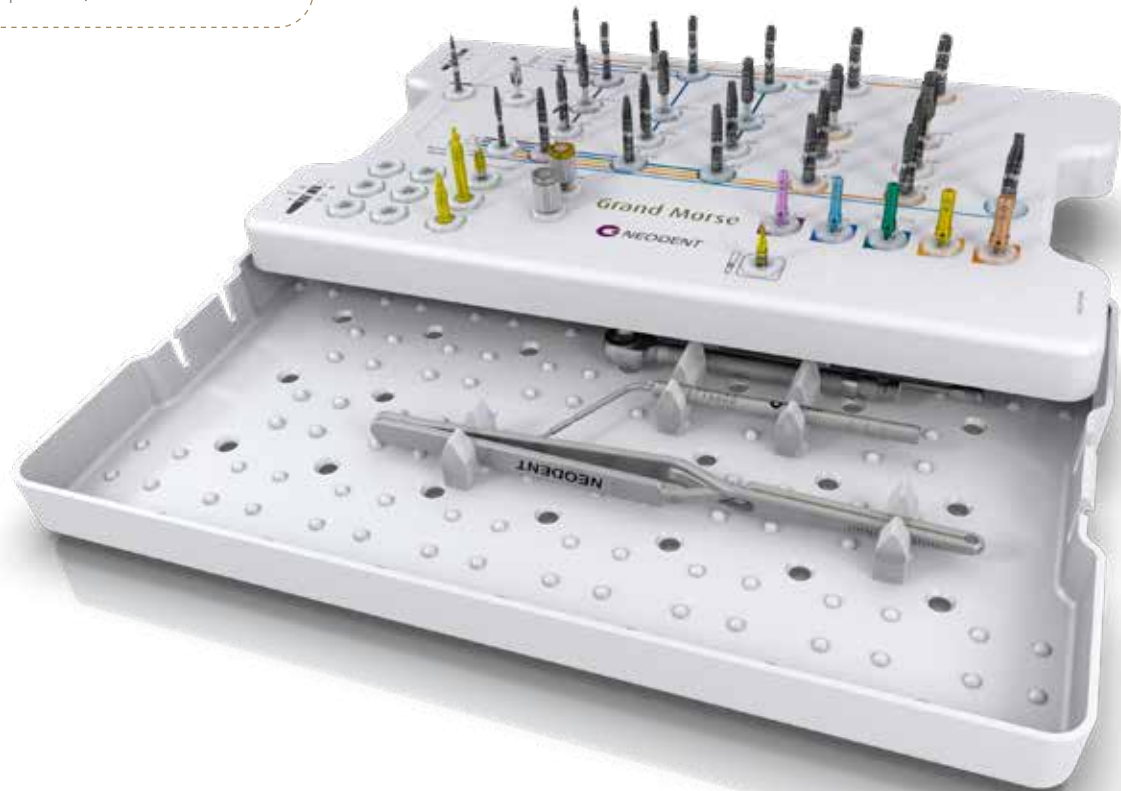
Grand Morse® Surgical Kit

Autoclavable polymer case.

The Kit presents two compositions:

- Complete: for Helix GM®, Drive GM® and Titamax GM® implants;
- Helix®: for Helix GM® implants.

To order the pre-mounted version of the kit, with its complete composition, use code **110.302**.



055

Articles

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

The Kit allows the use of:

- Grand Morse®: for Helix GM®, Drive GM® and Titamax GM® Implants;
- Complete: for Grand Morse® and WS Implants.



056

Articles

		Complete	Grand Morse®			Complete	Grand Morse®
110.287	GM/WS Surgical Kit Case	✓	✓	103.402	Tapered Drill 3.75	✓	✓
103.162	Twist Drill 2.0 Plus	✓	✓	103.405	Tapered Drill 4.0	✓	✓
103.213	Pilot Drill 2.0/3.0 Plus	✓	✓	103.408	Tapered Drill 4.3	✓	✓
103.164	Twist Drill 3.0 Plus	✓	✓	103.411	Tapered Drill 5.0	✓	✓
103.166	Twist Drill 3.3 Plus	✓	✓	103.427	Tapered Drill 6.0	✓	✓
103.415	GM Pilot Drill 3.0/3.75	✓	✓	105.131	GM Implant Driver - Contra-Angle	✓	✓
103.167	Twist Drill 3.8 Plus	✓	✓	105.002	Smart/WS Implant Driver - Contra-Angle	✓	✓
103.168	Twist Drill 4.3 Plus	✓	✓	104.060	Neo Screwdriver (Medium)	✓	✓
103.215	Pilot Drill 4.3/5.3 Plus	✓	✓	105.130	GM Implant Driver GM - Torque Wrench	✓	✓
103.163	Twist Drill 2.8 Plus	✓	✓	105.018	Hex Connection - Torque Wrench (Long)	✓	✓
103.169	Twist Drill 5.3 Plus	✓	✓	104.028	Manual Implant Driver - Contra-Angle	✓	✓
103.170	Initial Drill Plus	✓	✓	104.012	Manual Screwdriver (Medium)	✓	✓
103.414	Pilot Drill GM 2.8/3.5	✓	✓	105.129	GM Implant Driver GM - Torque Wrench	✓	✓
103.416	Pilot Drill GM 3.3/4.0	✓	✓	105.001	Smart/WS Implant Driver - Torque Wrench (Short)	✓	✓
103.417	Pilot Drill GM 4.3	✓	✓	128.019	Direction Indicator 2.8/3.5	✓	✓
103.418	Pilot Drill GM 4.3/5.0	✓	✓	128.020	Direction Indicator 3.0/3.75	✓	✓
103.221	Pilot Drill CM 5.3/6.0 Plus	✓	✓	128.021	Direction Indicator 3.3/4.0	✓	✓
103.419	Tapered Contour Drill 3.5	✓	✓	128.022	Direction Indicator 3.6/4.3	✓	✓
103.420	Tapered Contour Drill 3.75	✓	✓	128.023	Direction Indicator 4.3/5.0	✓	✓
103.421	Tapered Contour Drill 4.0	✓	✓	128.024	WS Direction Indicator 4.3/5.0	✓	✓
103.422	Tapered Contour Drill 4.3	✓	✓	128.025	WS Direction Indicator 5.3/6.0	✓	✓
103.423	Tapered Contour Drill 5.0	✓	✓	128.028	GM Height Measurer	✓	✓
103.425	Tapered Drill 2.0	✓	✓	129.004	Depth Probe	✓	✓
103.399	Tapered Drill 3.5	✓	✓	129.001	Titanium Tweezers	✓	✓
128.029	WS Height Measurer	✓	✓	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**.



057

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
- 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

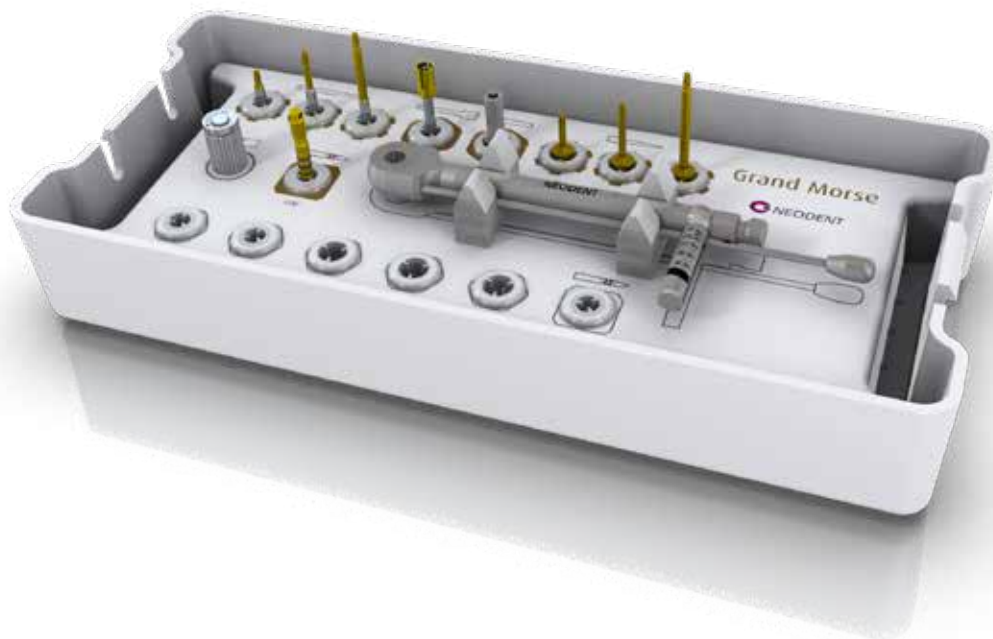
- 105.130 GM Implant Driver - Torque Wrench (Long)
- 105.129 GM Implant Driver - Torque Wrench (Short)
- 103.414 GM Pilot Drill 2.8/3.5
- 103.415 GM Pilot Drill 3.0/3.75
- 103.416 GM Pilot Drill 3.3/4.0
- 103.417 GM Pilot Drill 4.3
- 103.418 GM Pilot Drill 4.3/5.0
- 128.028 GM Height Measurer
- 128.030 Angle Measurer for Drill 2.0 17°
- 128.031 Angle Measurer for Drill 2.0 30°
- 128.019 Direction Indicator 2.8/3.5
- 128.020 Direction Indicator 3.0/3.75
- 128.021 Direction Indicator 3.3/4.0
- 128.022 Direction Indicator 3.6/4.3
- 128.023 Direction Indicator 4.3/5.0
- 129.004 Depth Probe
- 104.050 Torque Wrench

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

Grand Morse® Prosthetic Kit

Autoclavable polymer case.

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



058

Articles

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

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

Grand Morse[®] Try-In Kit

Autoclavable polymer case.

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



059

Articles

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

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.

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



GM Tapered Contour Drills

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

Ø 3.5+	Ø 3.75+	Ø 4.0+	Ø 4.3+	Ø 5.0+
103.419	103.420	103.421	103.422	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	Ø 2.8/3.5	Ø 3/3.75	Ø 3.3/4	Ø 3.6/4.3
103.213	103.414	103.415	103.416	103.417
Ø 4.3/5	Ø 3.8/4.3	Ø 4.3/5.3	Ø 5.3/6	
103.418	103.214	103.215	103.221	



Twist Drills

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

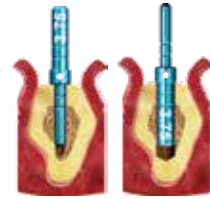
	Ø 2.0	Ø 2.8	Ø 3.0	Ø 3.3	Ø 3.8	Ø 4.3
Short 31 mm	103.222	103.223	103.224	103.225	103.226	103.227
Regular 35 mm	103.162	103.163	103.164	103.166	103.167	103.168
Long 43 mm	103.228	103.229	103.230	103.231		

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



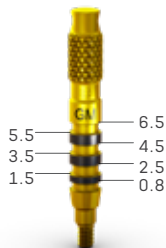
Drill Extension



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

103.426

GM Height Measurer



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

128.028

GM Implant Driver - Contra-Angle



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

105.131

GM Implant Driver - Torque Wrench



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

Short 22 mm	Long 30 mm
105.129	105.130



Manual Implant Drivers

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

Contra-angle Connections

104.028

Torque Wrench Connections

104.005



Neo Screwdriver Torque Connection - Torque Wrench

- :: Available in surgical steel;
- :: Yellow color for line identification.
- :: Long Neo Screwdriver Torque Connection - Wrench (105.134) recommended for Impression Copings and Copings for screw-retained prostheses.

Short
16.5 mm

105.133

Medium
22 mm

105.132

Long
32 mm

105.134



Neo Screwdriver

- :: Available in surgical steel;
- :: Yellow color for line identification.
- :: Long Neo Manual Screwdriver (104.059) recommended for Impression Copings and Copings for screw-retained prostheses.

Short
21 mm

104.058

Medium
25 mm

104.060

Long
37 mm

104.059



Neo Screwdriver Torque Connection - Contra-angle

- :: Available in surgical steel;
- :: Yellow color for line identification;
- :: Medium Neo Screwdriver Torque Connection - Contra-angle (105.136) recommended for Impression Copings and Copings for screw-retained prostheses.
- :: Extra Short Neo Screwdriver Torque Connection - Contra-angle (105.146) recommended for Impression Copings, Cover Screws and Healing Abutments.

Extra Short
16.5 mm

105.146

Short
24 mm

105.135

Medium
31 mm

105.136



Hexagonal Prosthetic Driver

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

Torque Wrench

105.137

Contra-angle

105.138



Angled Solution Screwdriver for Torque Wrench

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

Short
16.5 mm

105.150

Regular
22.5 mm

105.151

Long
28.5 mm

105.152



Angled Solution Screwdriver for Contra-angle

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

Short
20 mm

105.147

Regular
26 mm

105.148

Long
32 mm

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

Torque Wrench

- :: Available in surgical steel;
- :: Fitting for square connections;
- :: Collapsible Wrench that allows for proper assembly cleaning;
- :: For full instructions see page 111.

104.050



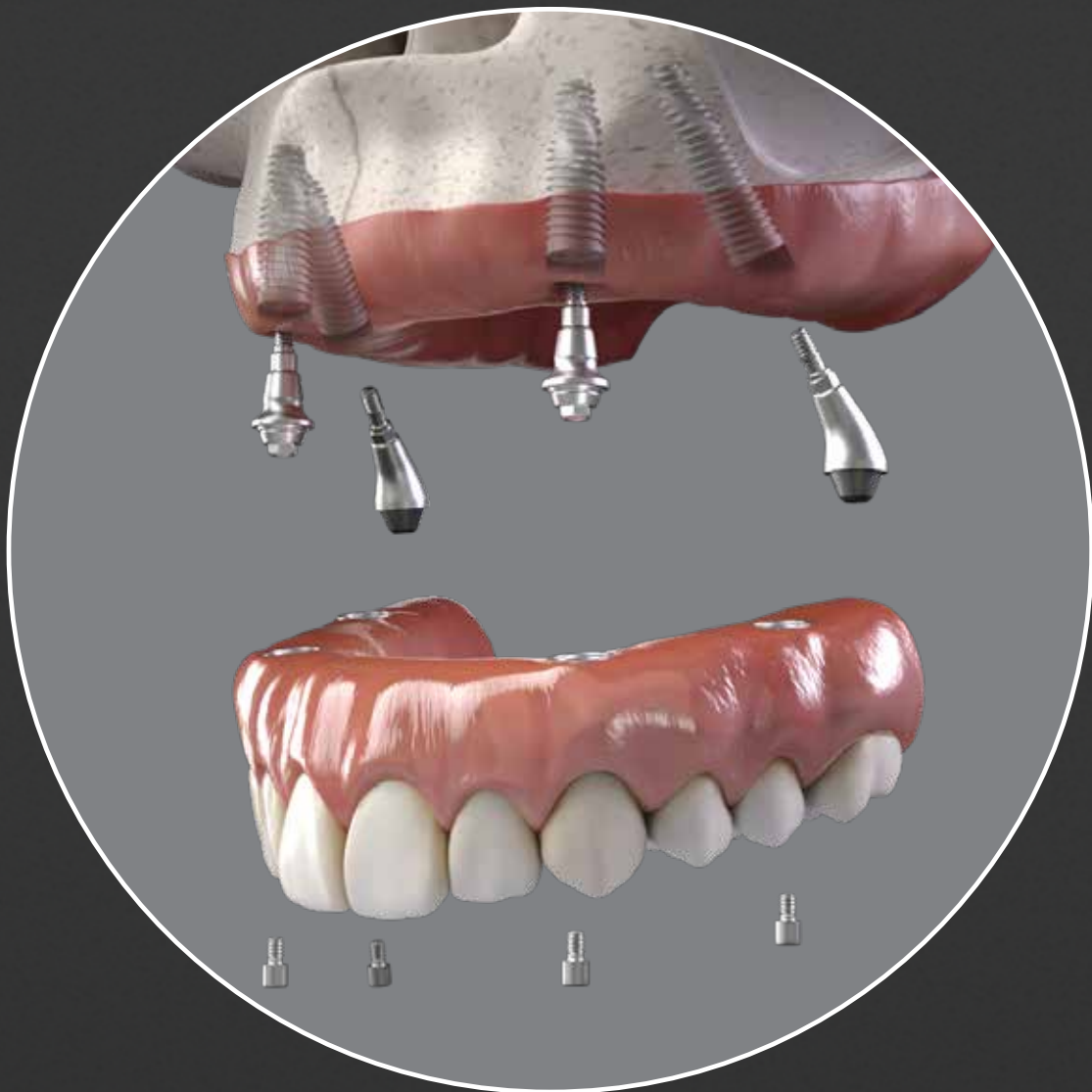


A SMILE FOR EVERYONE

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 life 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®



Helix GM® Long



Zygoma GM™



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	 NeoPoros 109.1044	 NeoPoros 109.1045
Ø 4.0	 NeoPoros 109.1046	 NeoPoros 109.1047	 NeoPoros 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

Ø 4.0

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



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.

► 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.

Workflow Options

GM Mini Conical Abutment ¹

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



or

GM Exact Mini Conical Abutment 17°/30°/45°* 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™.



Intraoral

GM Mini Conical Abutment Scanbody ³



Model Scanning

Slim Mini Conical Abutment Open Tray Impression Coping ³



Conventional ³

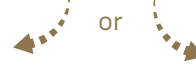
Slim Mini Conical Abutment Open Tray Impression Coping ³



Mini Conical Abutment Hybrid Repositionable Analog



Mini Conical Abutment Hybrid Repositionable Analog



Neo Mini Conical Abutment Titanium Coping ²



Neo Mini Conical Abutment Protection Cylinder



Mini Conical Abutment Analog



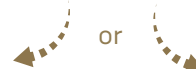
101.092 Hybrid Repositionable (conventional/digital)
101.020 Conventional



Neo Mini Conical Abutment One Step Hybrid Coping ²



Neo Mini Conical Abutment One Step Hybrid Coping ²



Neo Mini Conical Abutment CoCr Coping ²



Neo Mini Conical Abutment Burn-out Coping



1

Hexagonal Prosthetic Driver + Torque Wrench

2

Neo Screwdriver Torque Connection + Torque Wrench

3

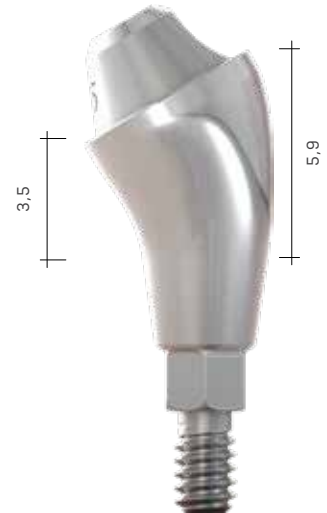
Neo Screwdriver Torque Connection + Manual Screwdriver Torque

Measurements GM Mini Conical Abutment

► 17°



► 30°



► 45°*





NeoArch[®] Kits

Helix GM[®] Long Compact Surgical Kit

Autoclavable polymer case.



077

Articles

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

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

Zygoma GM™ Surgical Kit

Autoclavable polymer case.



078

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 17°
- 128.033 GM Angle Measurer 30°
- 128.034 GM Angle Measurer 45°
- 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.

Ø 2.35	Pilot 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.

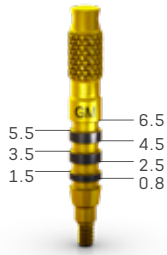
Ø 4.0
103.458



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.
- :: Long Neo Screwdriver Torque Connection - Wrench (105.134) recommended for Impression Copings and Copings for screw-retained prostheses.

Short
16.5 mm

Medium
22 mm

Long
32 mm

105.133

105.132

105.134



Neo Screwdriver

- :: Available in surgical steel;
- :: Yellow color for line identification.
- :: Long Neo Manual Screwdriver (104.059) recommended for Impression Copings and Copings for screw-retained prostheses.

Short
21 mm

Medium
25 mm

Long
37 mm

104.058

104.060

104.059



Neo Screwdriver Torque Connection - Contra-angle

- :: Available in surgical steel;
- :: Yellow color for line identification;
- :: Medium Neo Screwdriver Torque Connection - Contra-angle (105.136) recommended for Impression Copings and Copings for screw-retained prostheses.
- :: 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	Medium 31 mm
105.146	105.135	105.136



Hexagonal Prosthetic Driver

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

Torque Wrench Contra-angle

105.137	105.138
---------	---------



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 111.

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



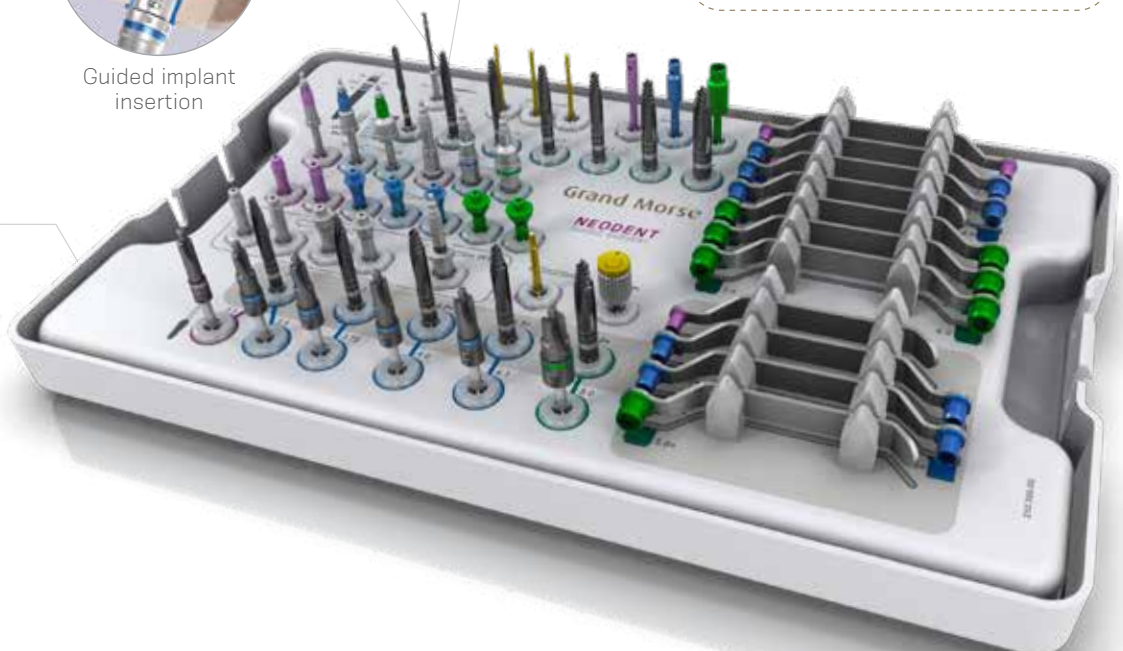
Guided implant
insertion



Guided bed
preparation

Neodent® Guided Surgery Kit for Grand Morse®

Compatible with major guided
surgery software

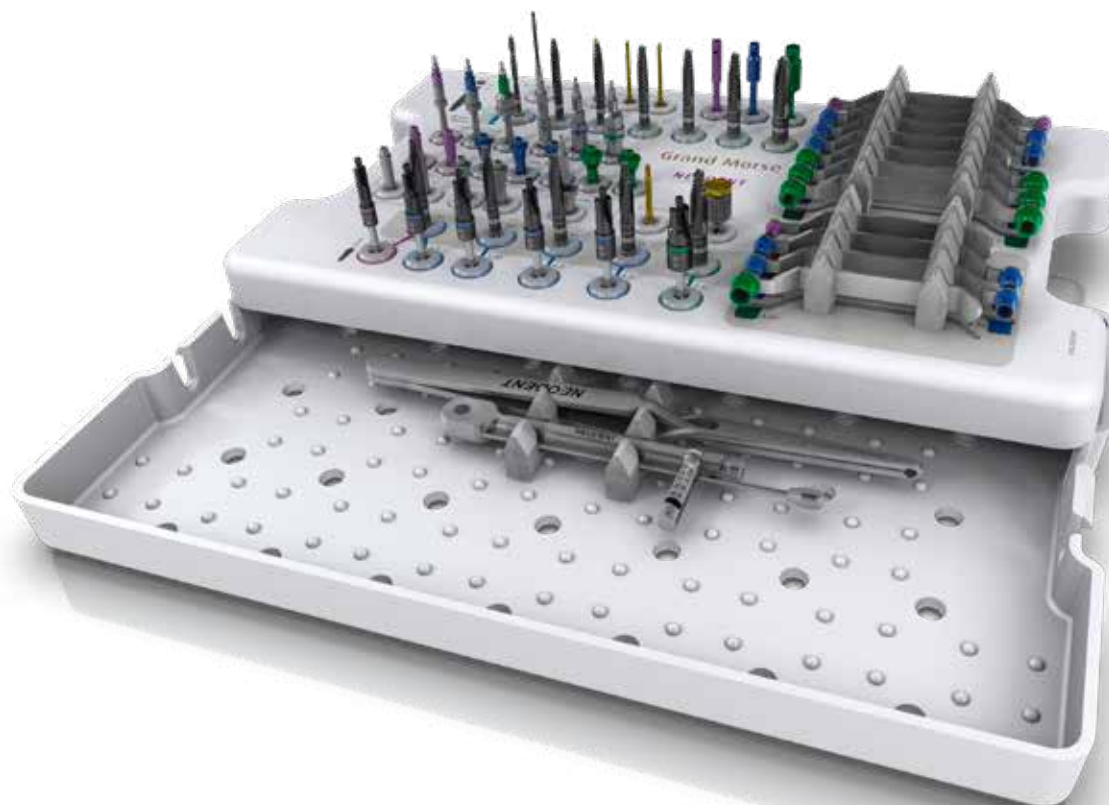


Neodent[®] Guided Surgery Kit

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.



089

Articles

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

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

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

Neodent[®] Guided Surgery Instruments



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 Drills



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

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

Guided Surgery Tapered Contour Drills



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

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

Guided Surgery 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.

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



Guided Surgery Punch - Contra-Angle

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

Narrow	Regular	Wide
103.429	103.430	103.431



Guided Surgery Drill Guides

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

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



Guided Surgery GM Connection - Contra-Angle

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

Narrow	Regular	Wide
105.139	105.140	105.141



Guided Surgery GM Connection - Torque Wrench

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

Narrow	Regular	Wide
105.142	105.143	105.144



Guided Surgery GM H 11 Connection - Torque Wrench

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

105.145



Guided Surgery Guide Stabilizers

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

Narrow	Regular	Wide
125.130	125.131	125.132



Guided Surgery Guide Stabilizers - Long

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

Narrow	Regular
125.133	125.134

► Sleeves for Neodent® Guided Surgery System

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



Sleeve for Narrow Guided Surgery System

125.135



Sleeve for Regular Guided Surgery System

125.136



Sleeve for Wide Guided Surgery System

125.137



Sleeve of Setter for Guided Surgery System

125.138

Neodent[®]
Techniques

Posterior Implant Solution

Immediate placement in challenging post extraction sockets;

Immediate implant placement with optimized wide implant design:

- Designed to achieve high primary stability in wide post extraction sockets;
- Grand Morse® Helix® – the Unbeatable Versatility.


Deliver natural-looking esthetics thanks to an optimized wide emergence profile design:

- A wide customizable healing abutment was designed to maintain the molar emergence profile;
- Consistent emergence profile for excellent esthetics outcomes.



Drill Sequence Helix GM® Ø 6.0


						
Initial 103.170	Ø 2.0 103.425	Ø 3.5 103.399	Ø 3.75 103.402	Ø 4.3 103.408	Ø 5.0 103.411	Ø 6.0 103.427
Optional	✓	✓	✓	✓	✓	✓

Bone types III and IV 

Helix GM® Ø 6.0 Implants


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


GM Customizable Healing Abutment

		GH 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.


GM Exact Titanium Base

		GH 0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	
	4 mm	Ø 5.5	135.284	135.285	135.286	135.287	135.288
		Ø 6.5		135.319	135.320	135.321	135.322
		GH 0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	
	6 mm	Ø 5.5	135.290	135.291	135.292	135.293	135.294
		Ø 6.5		135.323	135.324	135.325	135.326

 20 N.cm

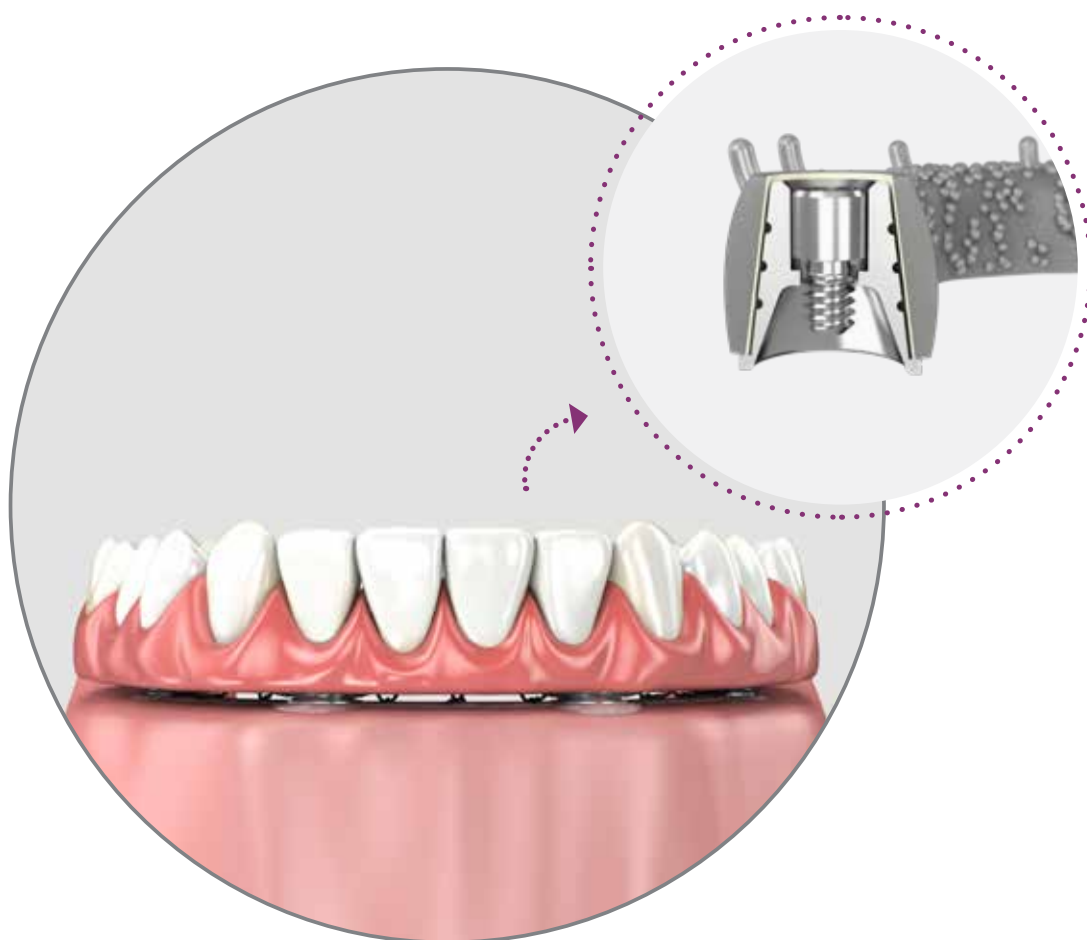
:: Use the Neo Screwdriver Torque Connection - Torque Wrench (105.132).

GM Titanium Base Burn-out Coping

		4 mm	6 mm
	Ø 5.5	118.329	118.342

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

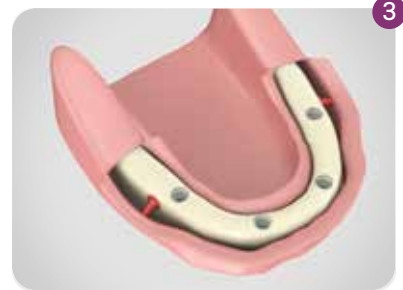
► Demonstration Sequence



Regularize the alveolar ridge.



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



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



Placement of corresponding Neodent® Abutments.



Placement of Impression Copings, splinted with acrylic resin.



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



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



Working model with artificial gum.



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.



102



Neo Distal Bar Coping

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

118.308



Neo Distal Bar

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

125.116



Polishing Protector

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

123.008

► Demonstration Sequence



1 Neodent® Abutments placed.



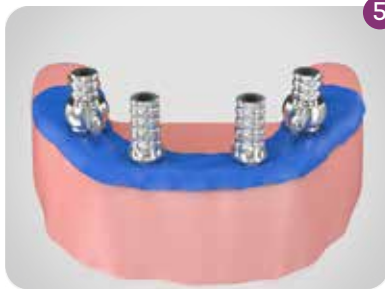
2 Prosthesis wearing, keeping posterior region integrity.



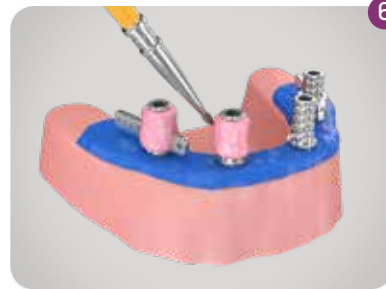
3 Place the copings into the central Implants and Distal Bar to distal Implants.



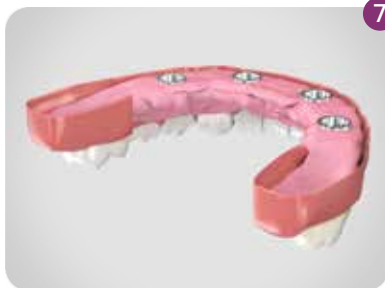
4 Proof of inferior prostheses wearing (centered occlusion position, no interference on copings).



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



6 Apply selfpolymerizing acrylic resin on and between the copings.



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



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



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



10 Placed provisional implant supported prosthesis.



11 Final inside-mouth posterior view.

Digital Solutions

Neodent® Digital Libraries



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

► Scanbody

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



- 108.183 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)



► 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

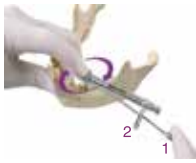
Torque Wrench

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

104.050



Operation 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 Neodent® Torque Wrench comes with pre-calibrated torques.



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.

Titanium Tweezers

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



Depth Probe

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



7 and 9 mm Space Planning Instrument

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



Surgical Labial Retractor

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



Columbia Retractor

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



Scapel Handle

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



129.008

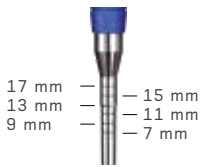
Bivers Handle

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



129.002

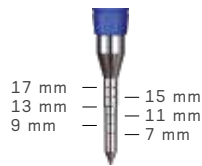
Concave Osteotome



- :: 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.

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.



0.35 mm

Ø 3.3

103.051

Ø 4.1

103.026

Ø 4.3

103.087

Ø 5.0

103.027

Ø 8.0

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

103.092

Pin

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 ahead of 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.

Neodent®, NeoPoros, Acqua, Helix®, Drive®, Titamax®, Grand Morse®, Helix GM®, Drive GM®, Titamax GM®, Neotorque, NeoArch®, Zygoma GM™ are trademarks or registered trademarks of JIGC Indústria e Comércio de Materiais Dentários S.A.

CEREC is a trademark or registered trademark of Sirona Dental Systems GmbH (DE).

Dentsply Sirona is a trademark or registered trademark of Dentsply Sirona, Inc.

MEDENTiKA is a trademark or registered trademark of Medentika GmbH.

Novaloc is a trademark or registered trademark of Valoc AG.

Panavia is a trademark or registered trademark of Kuraray Co. Ltd.

Amann Girschbacher is a trademark or registered trademark of Amann Girschbacher AG.

exocad is a trademark or registered trademark of exocad GmbH.

Dental Wings is a trademark or registered trademark of Dental Wings Inc.

3Shape is a trademark or registered trademark of 3Shape A/S.

