

The **GM** Implant



THE GRAND MORSE

Helix GM



NEODENT® GRAND MORSE IMPLANT SYSTEM

GREATNESS IS AN ACHIEVEMENT.

The Neodent® Grand Morse Implant System is the achievement of more than 20 years of experience in implant dentistry, and shared experiences with many clinicians worldwide. Continuing with a unique purpose to always deliver high quality treatment options that changes patients' lives, the Grand Morse Implant System is the Neodent® evolution. Anchor within our philosophy of respecting mechanical and biological principles, this makes it THE implant of choice in dental implant therapy.

 +150
studies

 + 20
years
history

 2nd
largest dental implant
company worldwide


The Grand Morse implant system was developed based on the inside out concept, starting from the core of the implant: the prosthetic interface. The result is a solution that combines mechanical strength and versatile prosthetic solutions - from unitary to multiple and from conventional to digital. A complete system that offers several benefits designed to make your work even more efficient.



003

GRAND RELIABILITY

Stable and strong foundation designed for long term success




GRAND STABILITY

Designed for predictable immediate treatments in all bone types.



GRAND ESTHETICS

Delivers immediate natural esthetics.



GRAND SIMPLICITY

Ease of use at its best.







GRAND RELIABILITY

Stable and strong 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

Internal Indexation

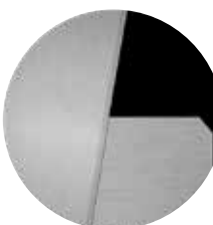
Precise abutment positioning, protection against rotation and easy handling.



②

Platform Switching

Abutment design with a narrower diameter than the implant coronal area, enabling the platform switching concept.⁽⁵⁻⁹⁾



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.



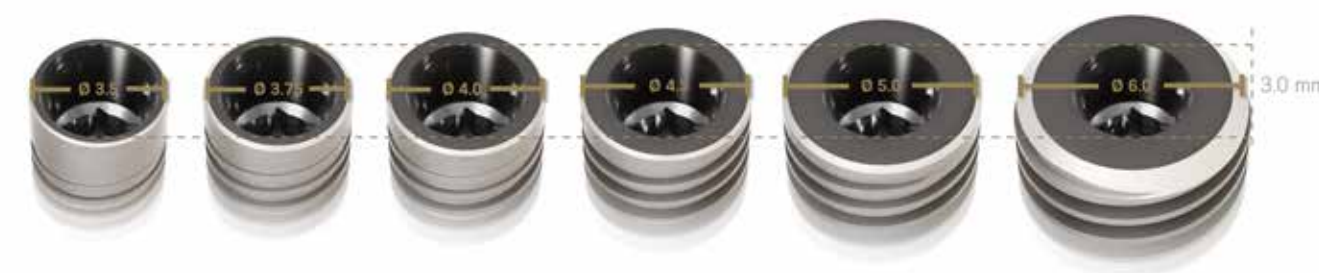
GRAND SIMPLICITY

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 new Neo Screwdriver has a star attachment offering reliability and durability compatible with all Neodent® Grand Morse healing abutments and restorative screws.



ONE SURGICAL KIT

All Neodent® Grand Morse implants can be placed using the intuitive, and functional surgical kit.



ONE IMPLANT DRIVER

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



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.

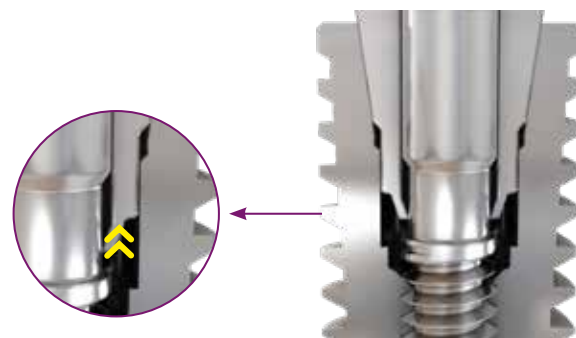
NEXT LEVEL OF IMMEDIATE FIXED FULL-ARCH TREATMENT

The new Neodent® Grand Morse Mini Conical abutment has been designed to improve fixed full-arch treatment by optimizing the abutment emergence profile reducing the need of invasive procedures.



PEACE OF MIND WITH THE UNLOCKING FEATURE

Neodent® has developed a unique feature allowing a simple and reliable abutment removal for a user friendly experience.



Digitally friendly. From root to tooth.

Neodent Digital solutions offer modern and reliable treatment options for the digital workflow. Through a dedicated digital portfolio it is possible to plan your surgical cases, perform guided surgeries and have customized prosthetic restorations. Digital, from root to tooth:

- Intra-oral scanbodies for precise digitalization.
- Sharply designed implant libraries available in the majority of surgical planning softwares.
- Optimized surgical instruments and sleeves tailored to your portfolio preferences.
- Titanium bases and titanium blanks for fully customized prosthetic restorations.

Intra-oral scanbody >> coDiagnostiX® or other widely available softwares >> Neodent Guided Surgery >> Customized Prosthetic Restorations

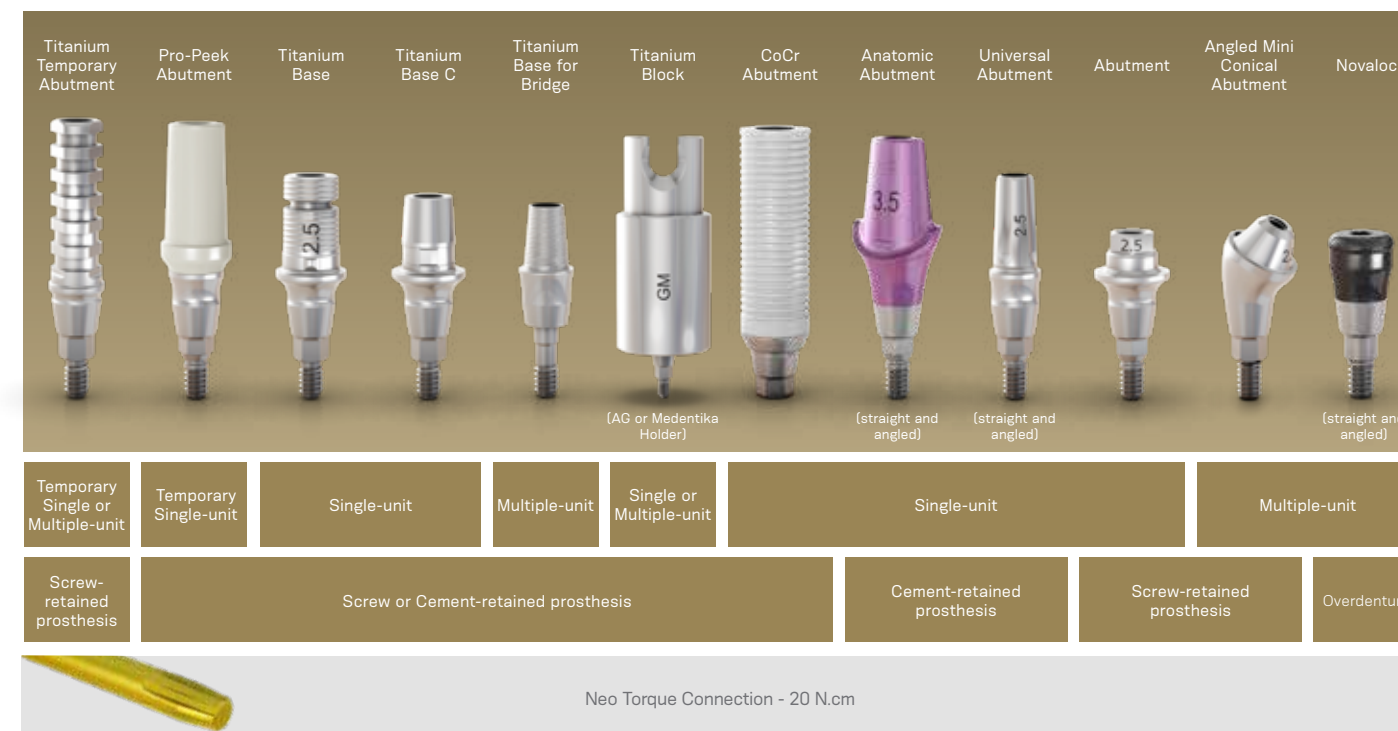


Grand Morse® Abutments

COMPREHENSIVE PROSTHETIC PORTFOLIO FOR OPTIMIZED ESTHETIC RESULTS

The Neodent® Grand Morse implant system has a wide range of restorative options covering:

- All indications: single to edentulous
- All treatment protocols: immediate to delayed loading
- All workflows: conventional to digital.



Please Note:
Titanium Base AS
Available from 1. Quarter 2020

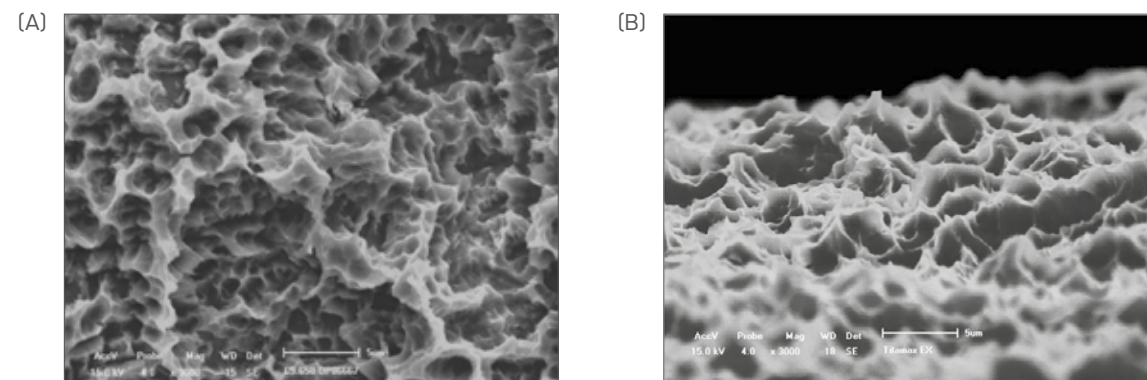


Constant evolution and safety guarantee.

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

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

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



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

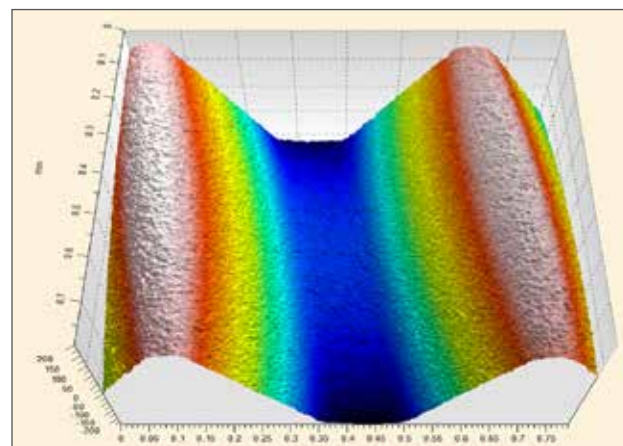


Image taken by confocal microscopy.
Roughness and Microtopography.
(Sa= 1,4 - 1,8 µm; Sz= 15 µm).



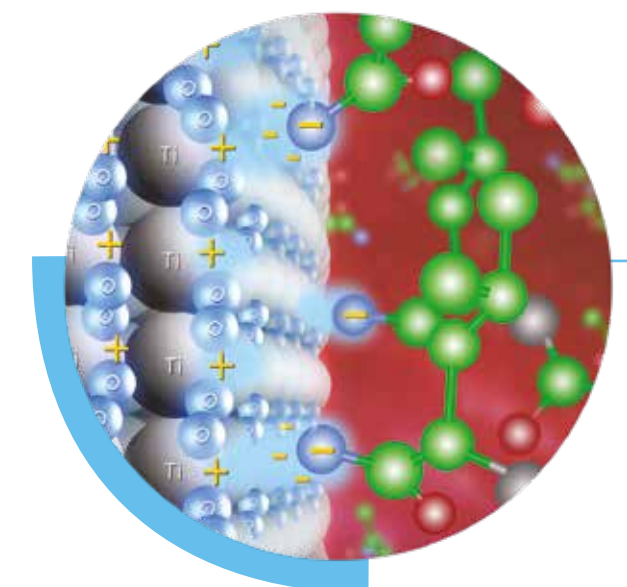
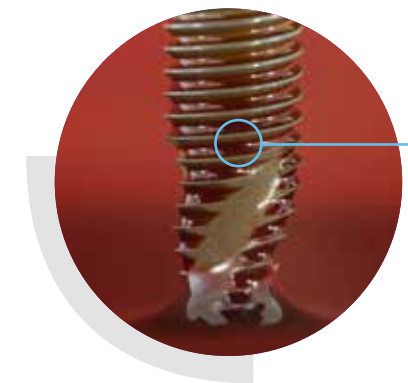
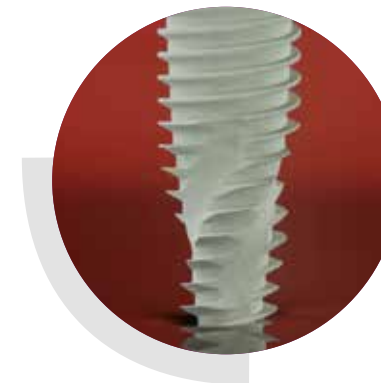
Acqua Hydrophilic Surface designed for high treatment predictability

The Neodent® Acqua hydrophilic surface is the next level of the highly successful S.L.A. type of surface developed to achieve successful outcomes even in challenging situations, such as soft bone or immediate protocols⁽¹⁻⁴⁾

Surface comparison

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⁾



Acqua Surface interaction (electropositive) with blood electronegative).

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:



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	✓	✓			✓						✓			✓			✓

Bone types III and IV

Helix GM® Implants / Helix GM® Acqua Implants

		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:





















Drill Sequence


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

Bone types III and IV 

Drive GM[®] Acqua 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
Ø 4.3						
	Acqua	140.964	140.965	140.966	140.967	140.968
Ø 5.0						
	Acqua	140.970	140.971	140.972	140.973	140.974

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

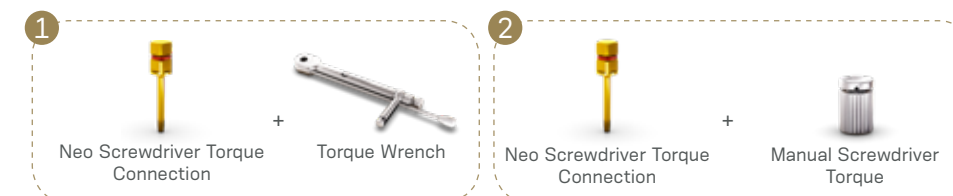
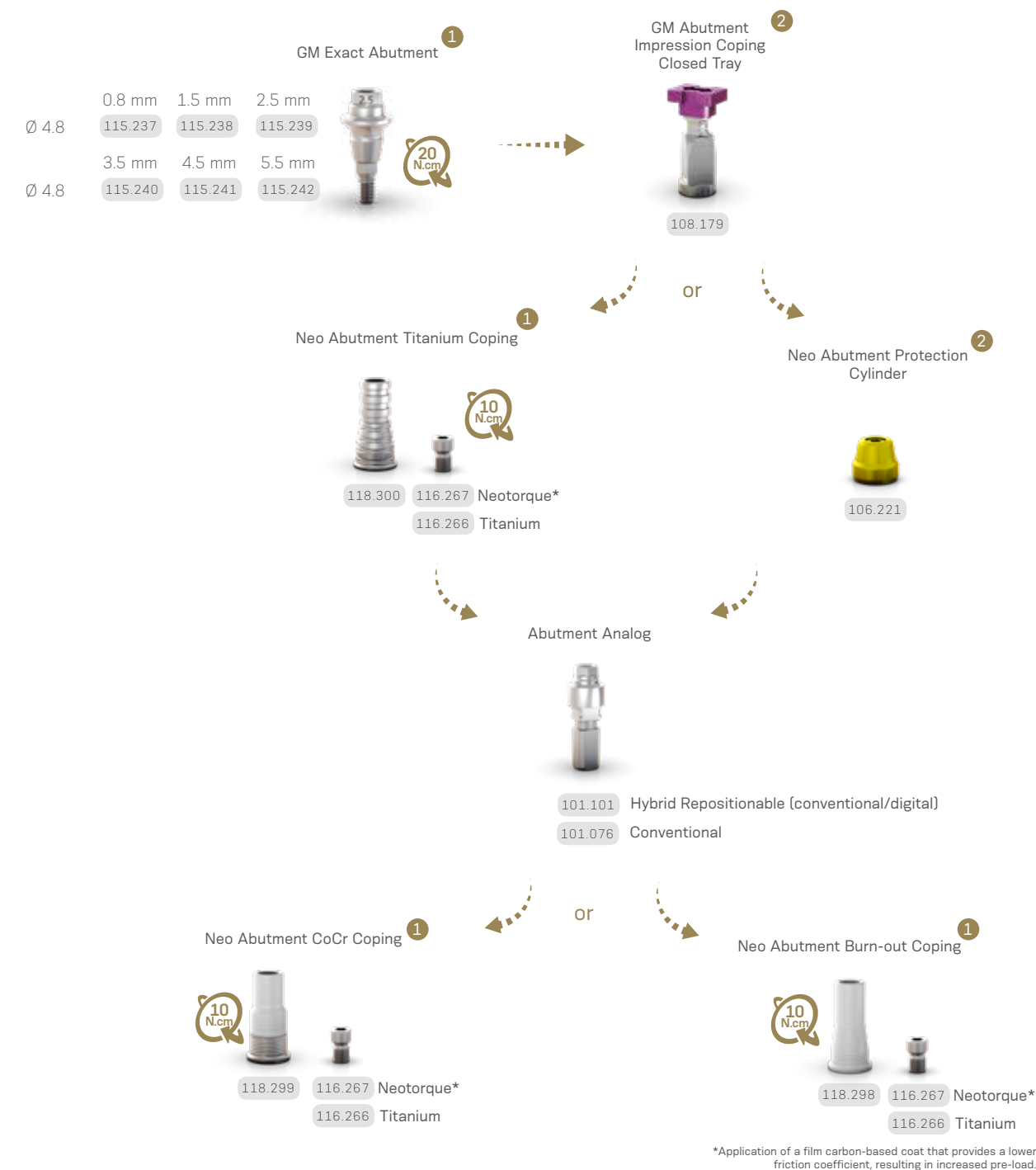
GM Abutment

Recommended in posterior area.



Single-unit
screw-retained
prosthesis

Installation Sequence



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



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.

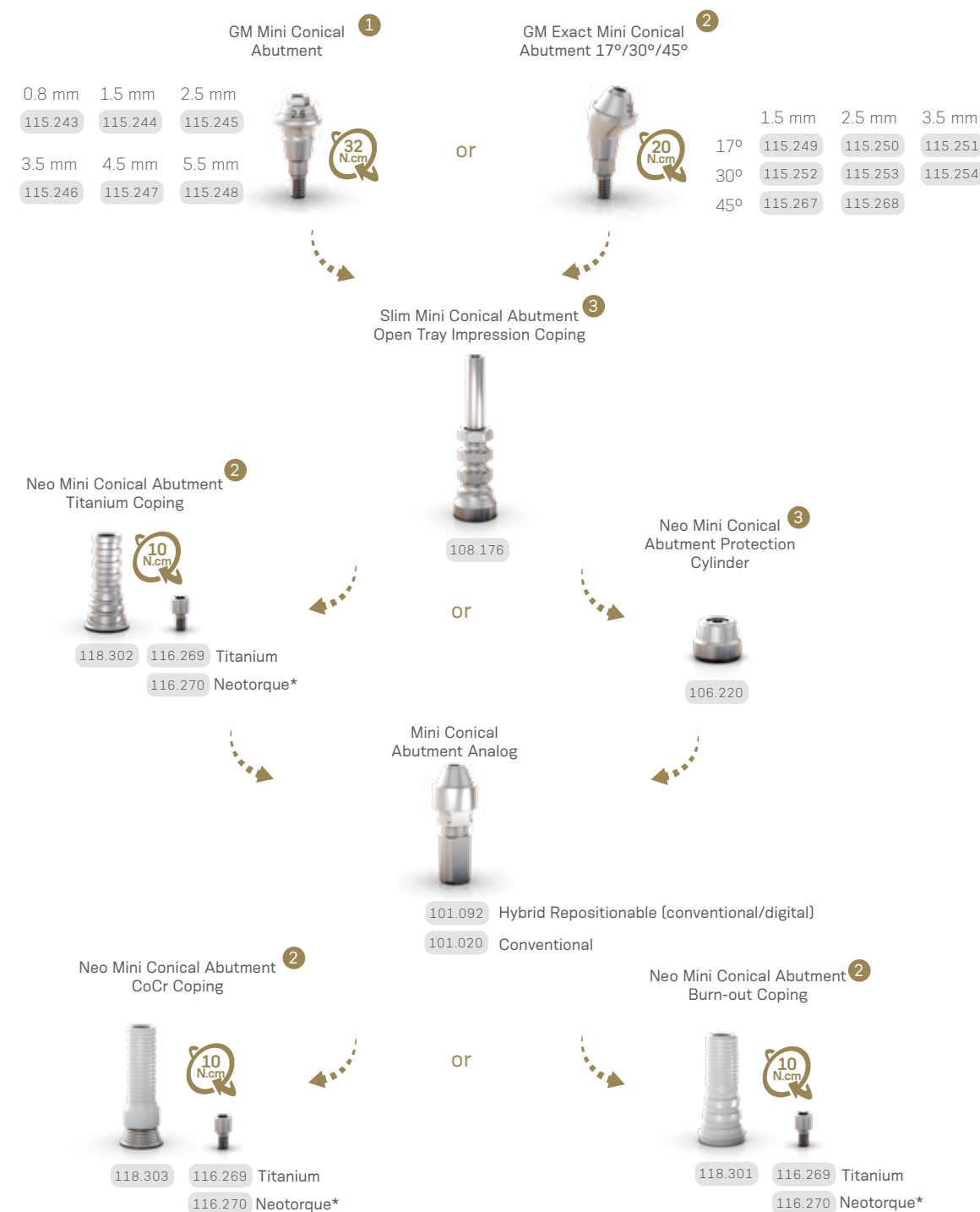
Accessories

Mini Conical Abutment Polishing Protector

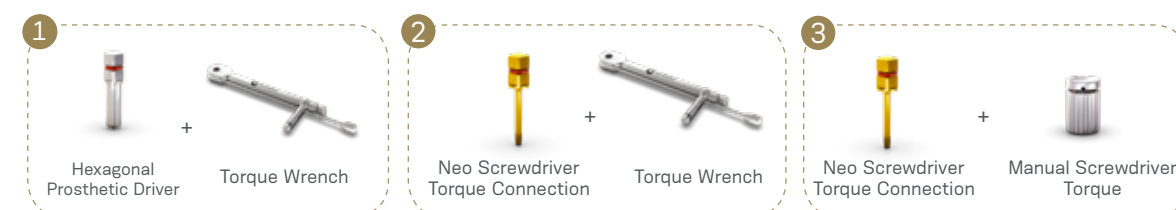


123.008

Installation Sequence




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




GM Micro Abutment

Recommended for limited spaces and narrow inter-dental spaces.


Single-unit
screw-retained
prosthesis

OR

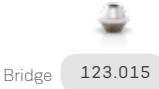

Multiple-unit
screw-retained
prosthesis



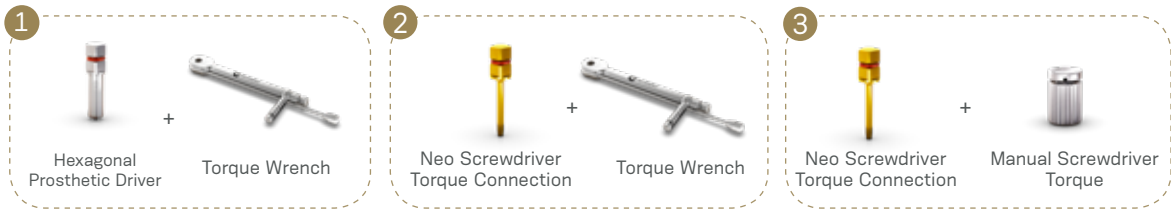
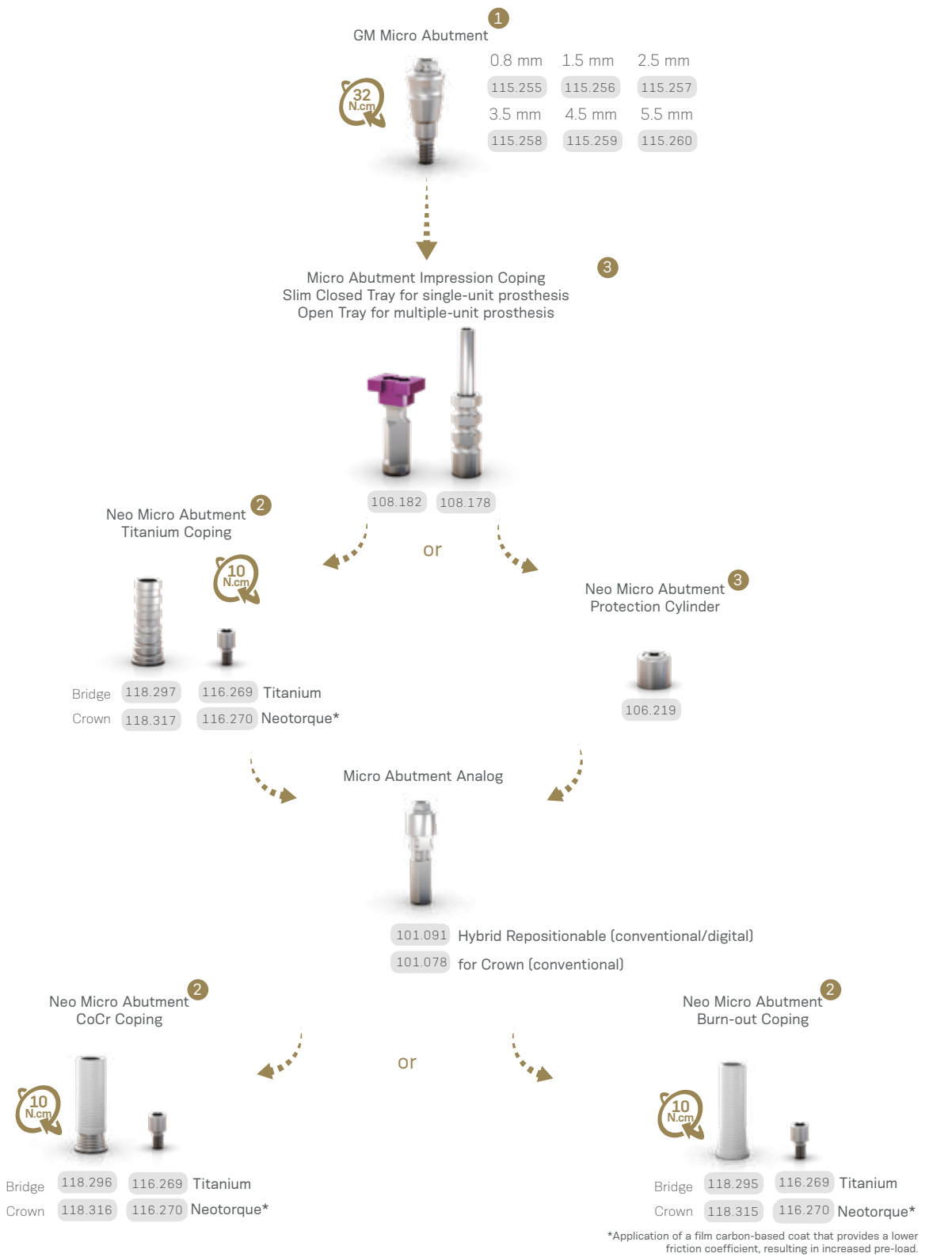
Consider in addition 1.5 - 2.0 mm for the restorative material
Minimum interocclusal space of 3.5 mm from the mucosa level

Accessories

Micro Abutment
Polishing Protector



Installation Sequence



GM Anatomic Abutment

Recommended for anterior region.

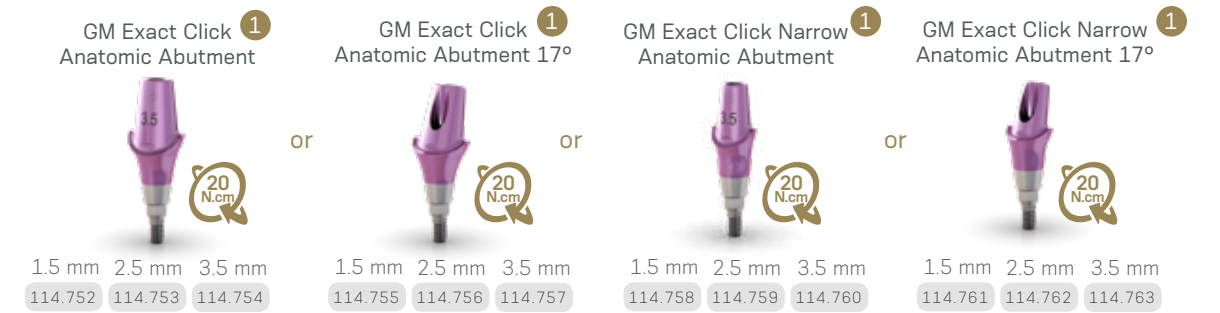


Single-unit
cement-retained
prosthesis



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

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

GM Implant Exact Impression Coping Closed and Open Tray 2

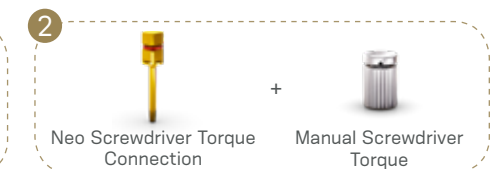
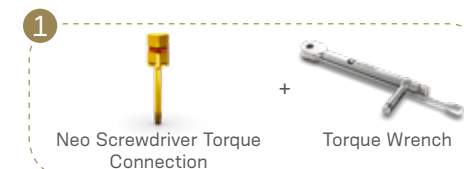
Regular 108.160 108.162 Regular
Long 108.161 108.163 Long

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

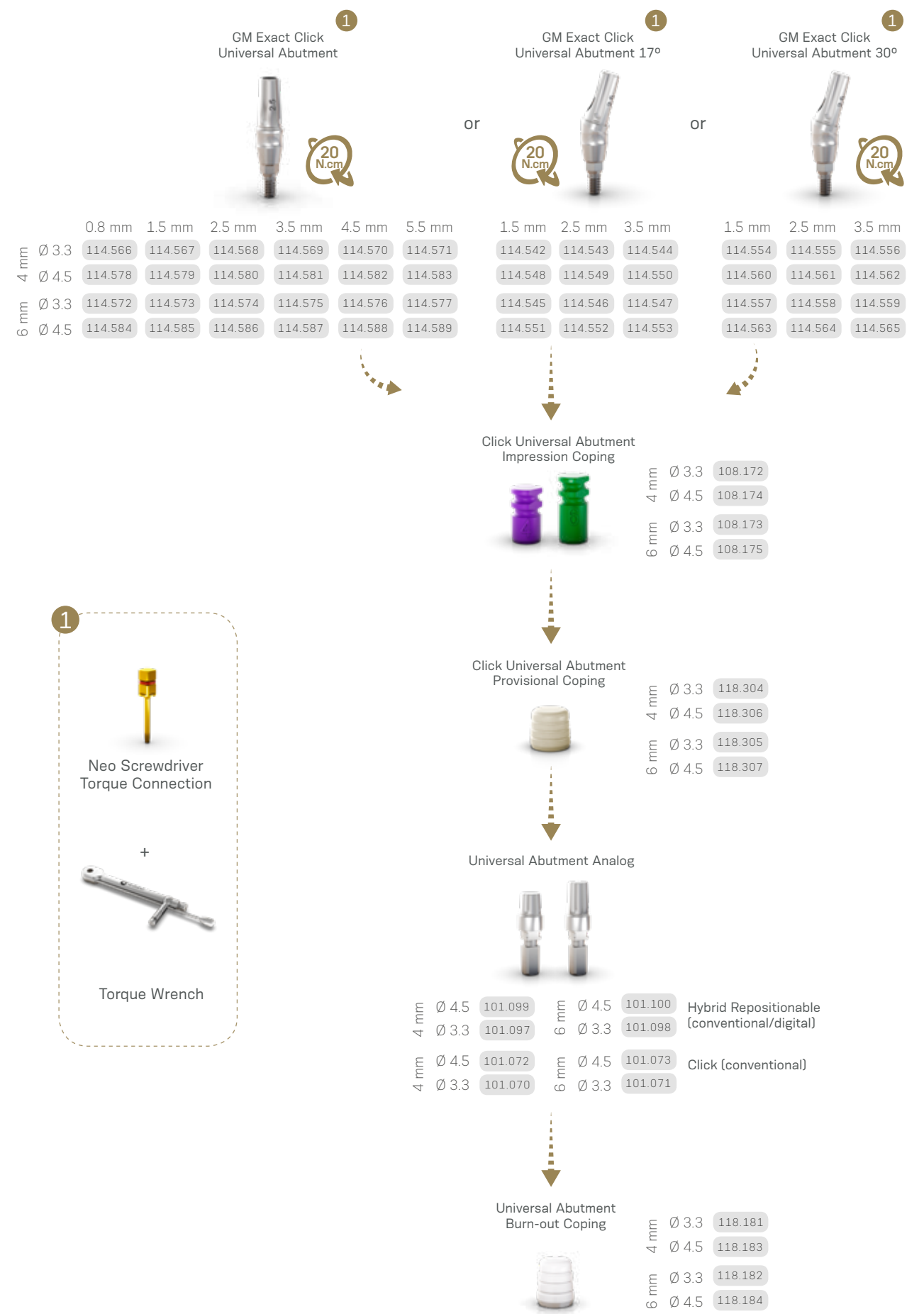


Single-unit
cement-retained
prosthesis

Installation Sequence




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




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

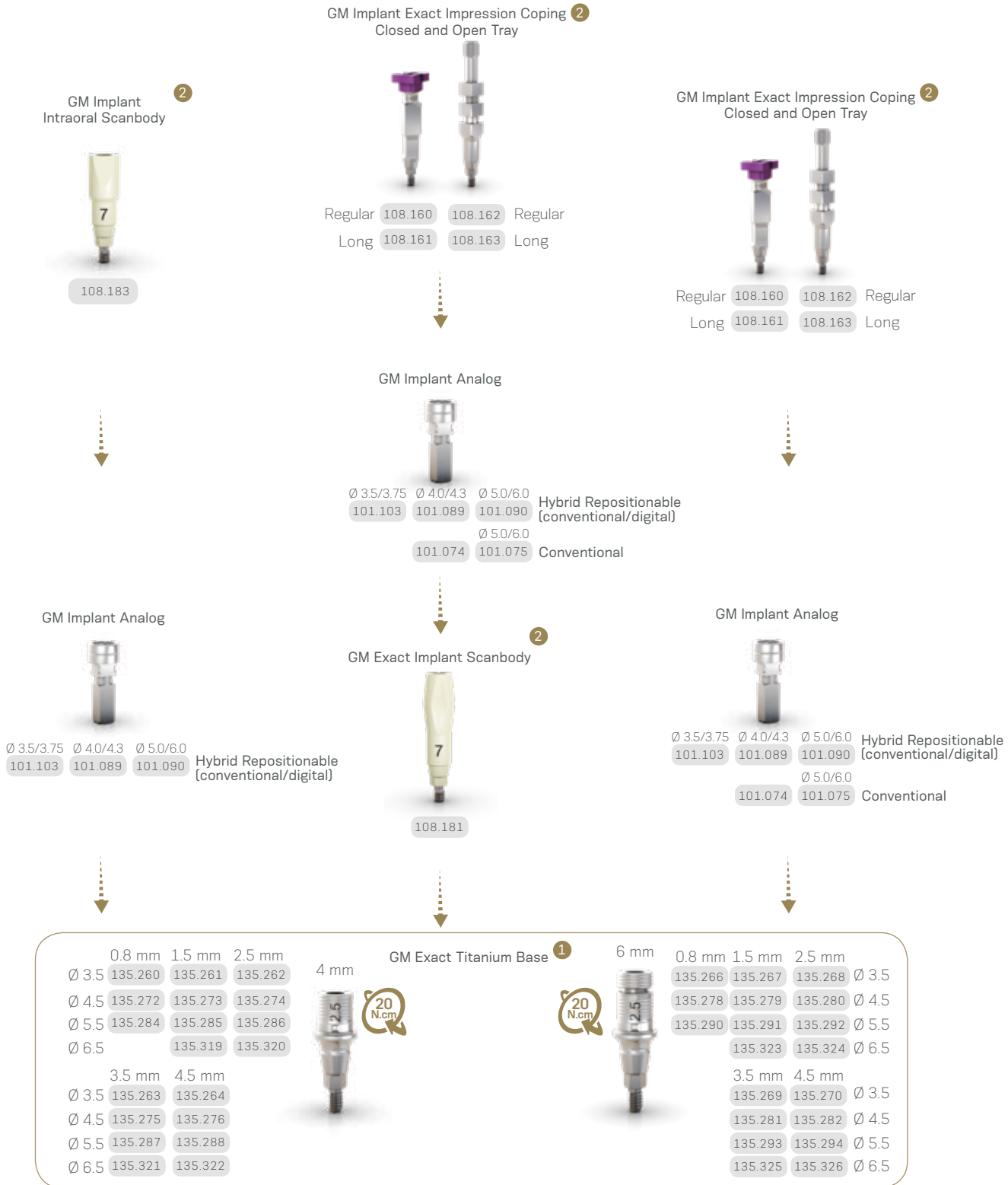
*Application of a film carbon-based coat that provides a lower friction coefficient, resulting in increased pre-load.

Workflow Options

Intraoral

Model Scanning

Conventional



1


Neo Screwdriver Torque Connection + Torque Wrench

2

Neo Screwdriver Torque Connection + Manual Screwdriver Torque


GM Titanium Base for Bridge

With removable screw.



Multiple-unit
screw-retained
prosthesis

OR




Multiple-unit
cement-retained
prosthesis




Accessories

Replacement Sterile
Screws



Neotorque* 116.285

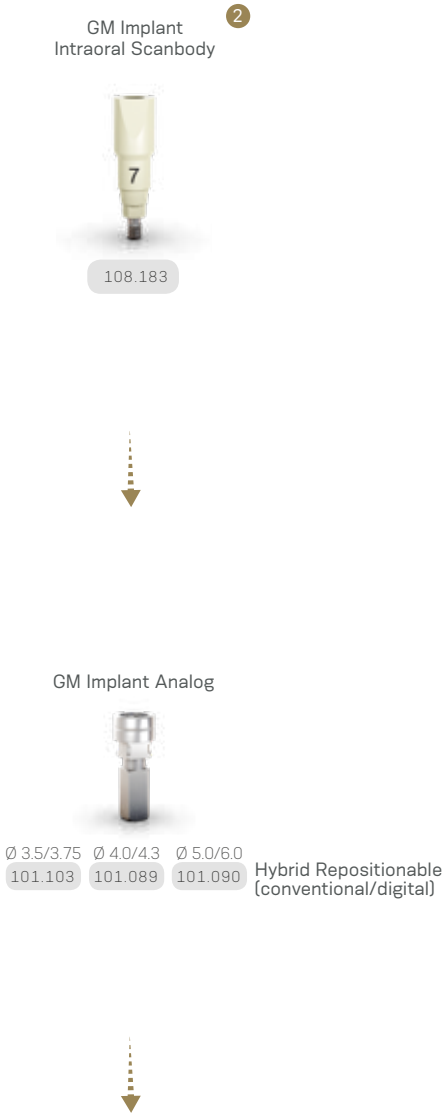


Titanium 116.286

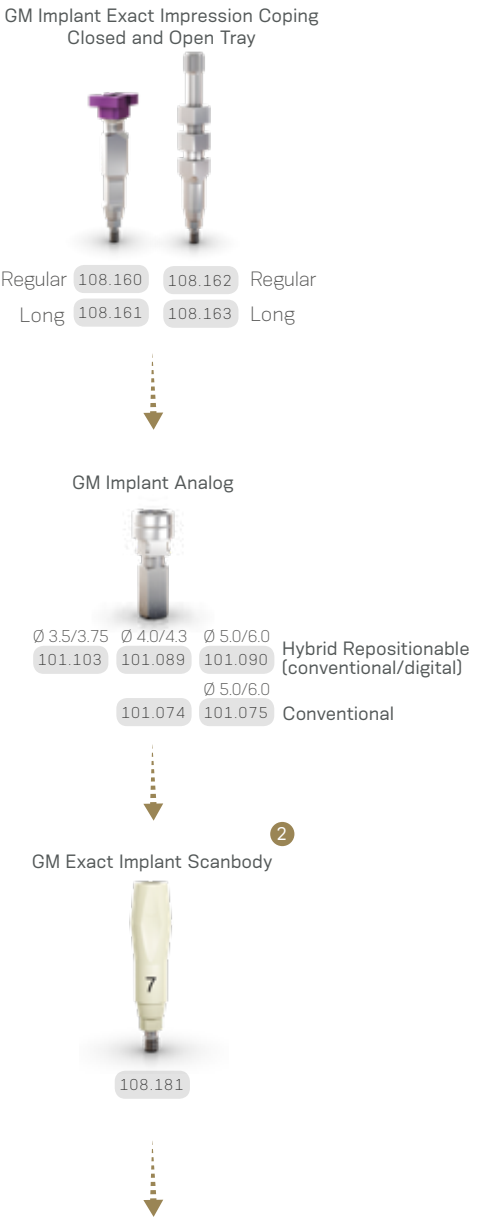
*Application of a carbon-based film coat that provides a lower friction coefficient, resulting in increased pre-load.

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 Ncm

1




Neo Screwdriver Torque Connection

+




Torque Wrench

2



Neo Screwdriver Torque Connection


+



Manual Screwdriver Torque


Titanium Base C for GM

With removable screw.



Single-unit screw-retained prosthesis

OR

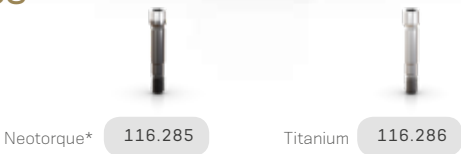


Single-unit cement-retained prosthesis



Accessories

Replacement Sterile Screws



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

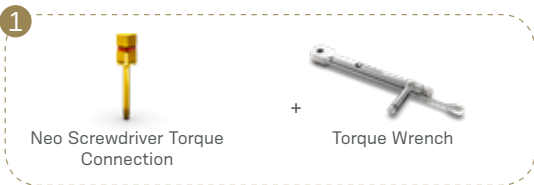
Installation Sequence

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



Intraoral Scanning with scanbodies provided by Dentsply Sirona

Finalized Prosthesis



Workflow

Step 1
Gingiva height selection and ordering.



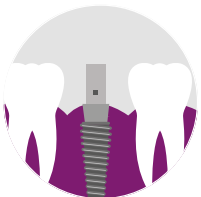
Select the Titanium Base C for GM Exact gingival height.



Order the Titanium Base C for GM Exact.

Please note that the scanbody has to be purchased 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.

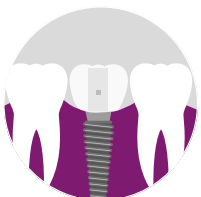


Mill the digital design.

CEREC digital library compatibility

Library	Sirona's Products				Compatible with implant System	
Ti-base	Scanbody	REF Scanbody Omnicam	REF Scanbody Bluecam / Ineos	Grinding block	Implant manufacturer	Implant system
NBB 3.4 L	L	6431311	6431295	inCoris ZI meso L	Neodent®	GM, CM, HE, IIPlus
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



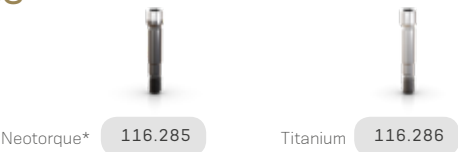
Multiple-unit
cement-retained
prosthesis



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

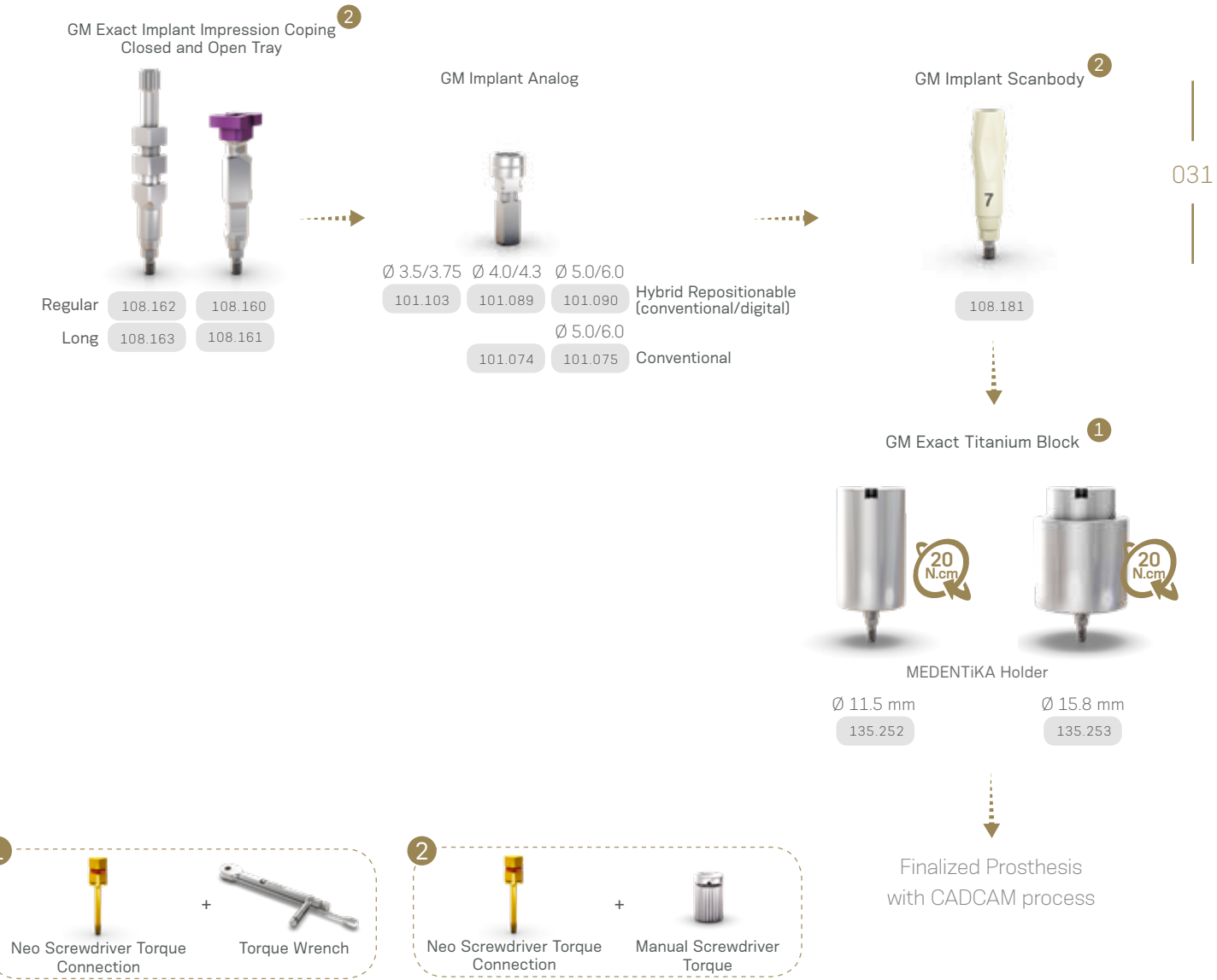


*Application of a carbon-based film coat that provides a lower friction coefficient, resulting in increased pre-load.

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




Accessories

Replacement Sterile Screws



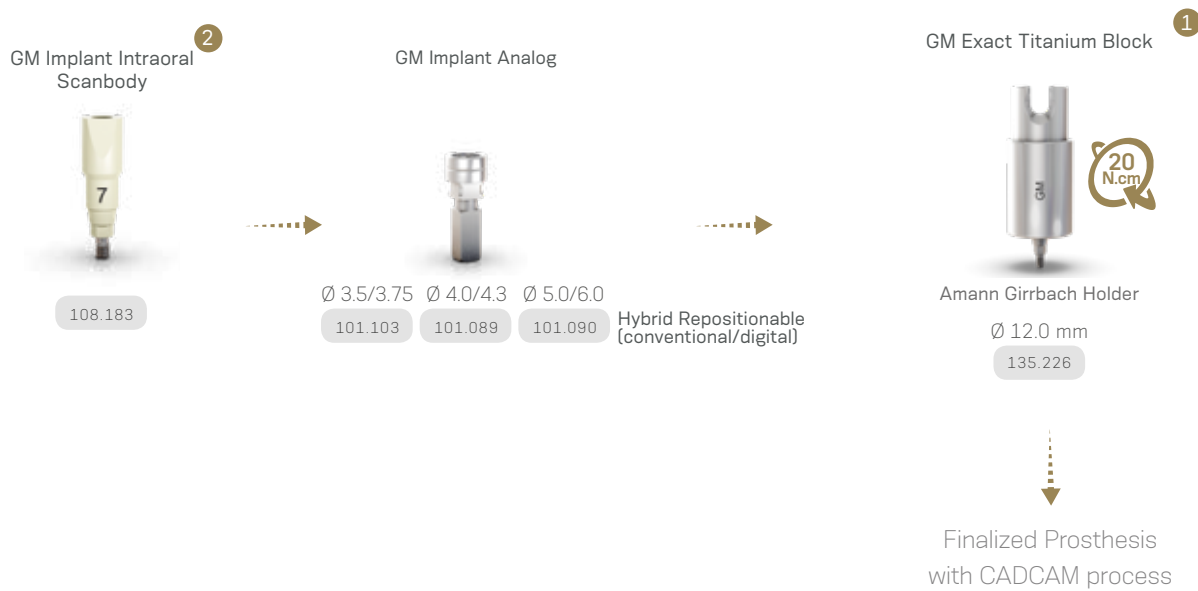
Neotorque* 116.285



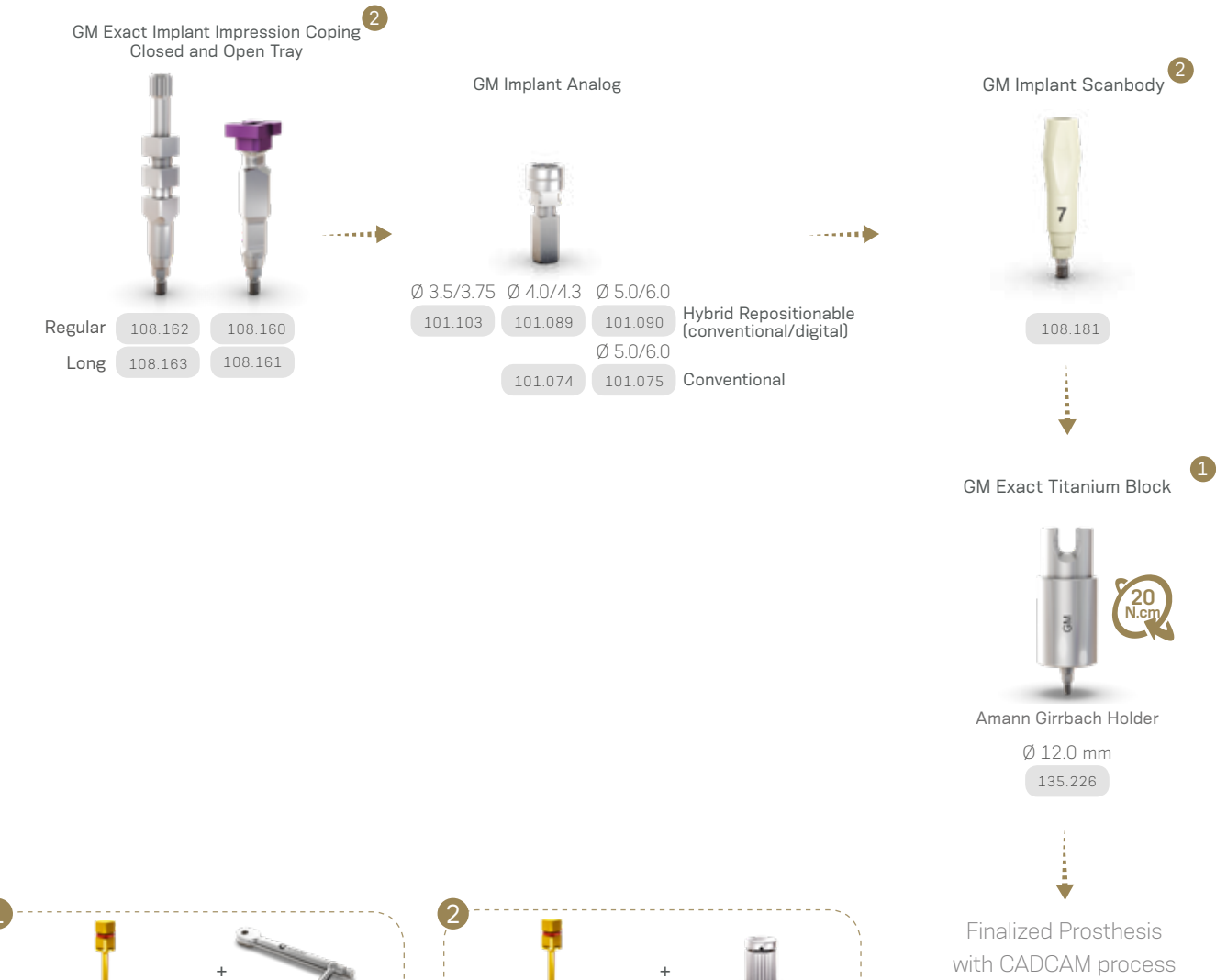
Titanium 116.286

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


Complete Digital Workflow



Semi Digital Workflow




1




Neo Screwdriver Torque Connection

+




Torque Wrench

2



Neo Screwdriver Torque Connection


+



Manual Screwdriver Torque


GM CoCr Abutment

The set includes one GM CoCr Abutment, one Titanium Screw and one GM Implant Analog.
Interocclusal height of 12.0 mm. Customizable up to 5.0 mm.
Indicated for GM Implants placed at bone level.



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

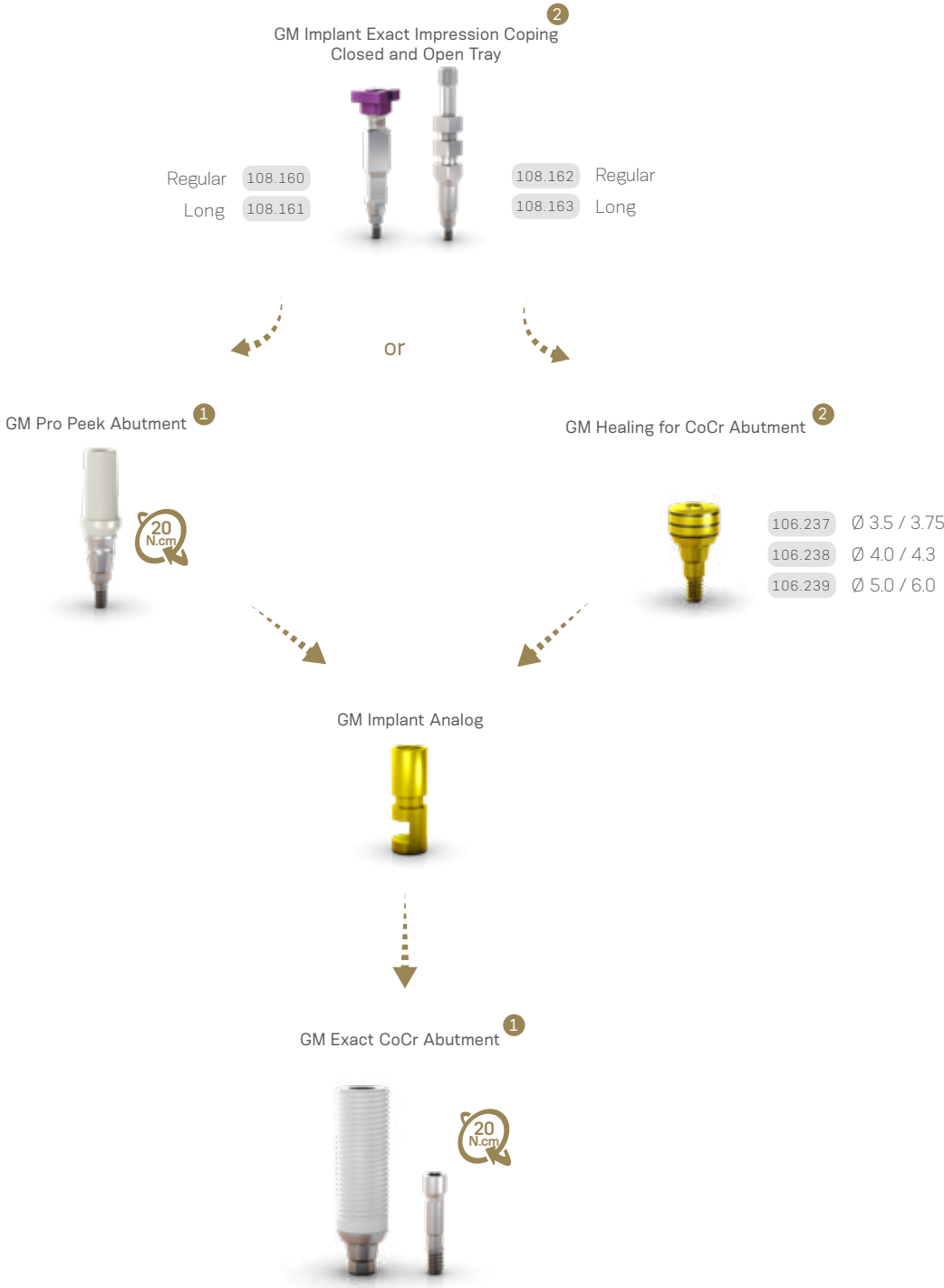
GM CoCr Abutment Set


Ø 3.5 / 3.75
118.309



Ø 4.0 / 4.3
118.310


Ø 5.0 / 6.0
118.311


Installation Sequence




1


Neo Screwdriver Torque
Connection


+


Torque Wrench

2

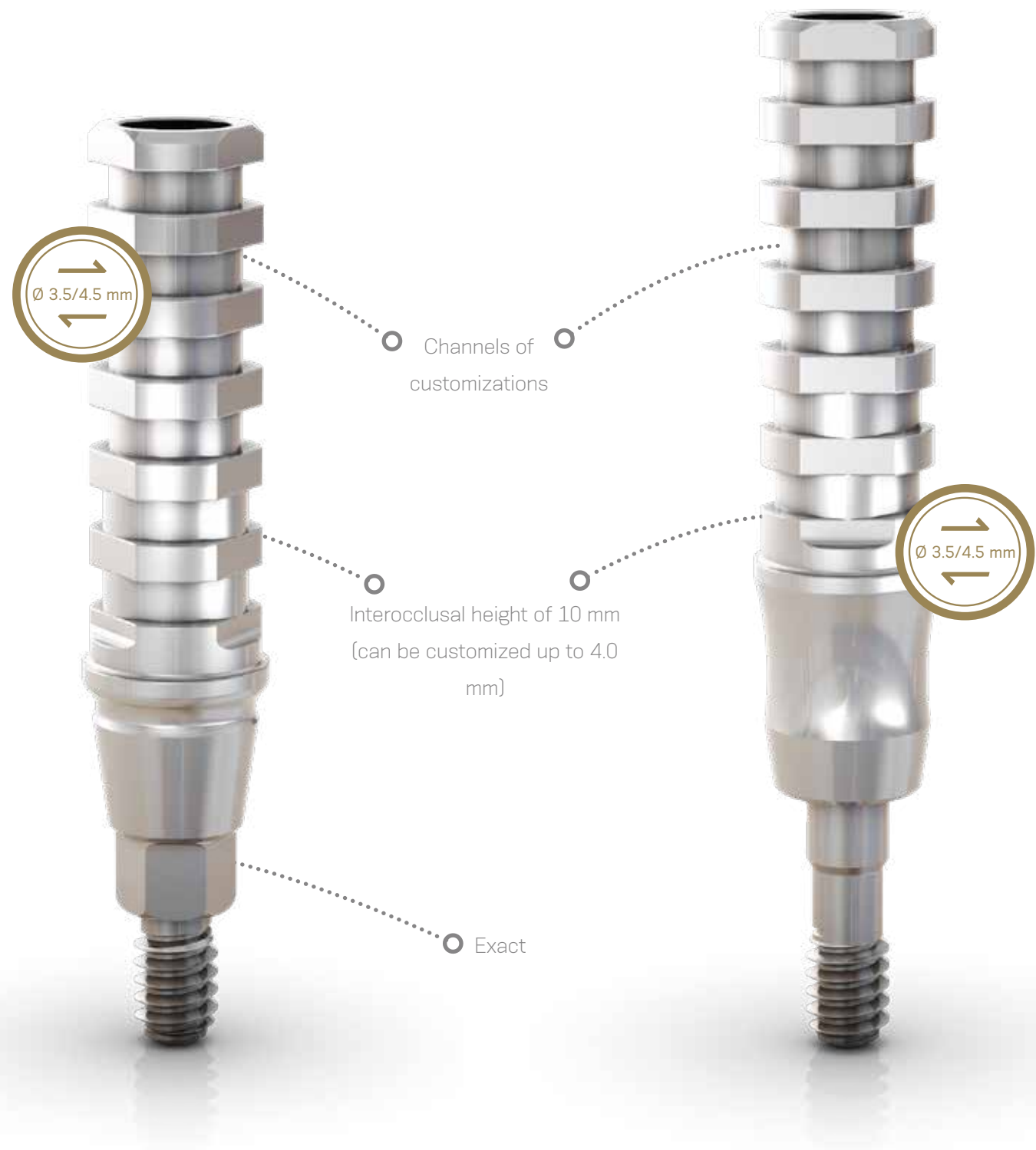
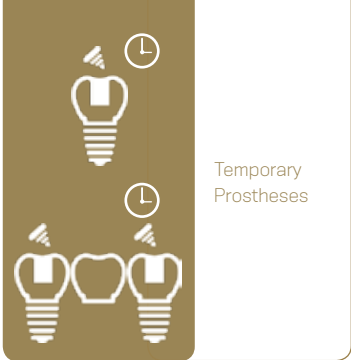

Neo Screwdriver Torque
Connection

+


Manual Screwdriver
Torque

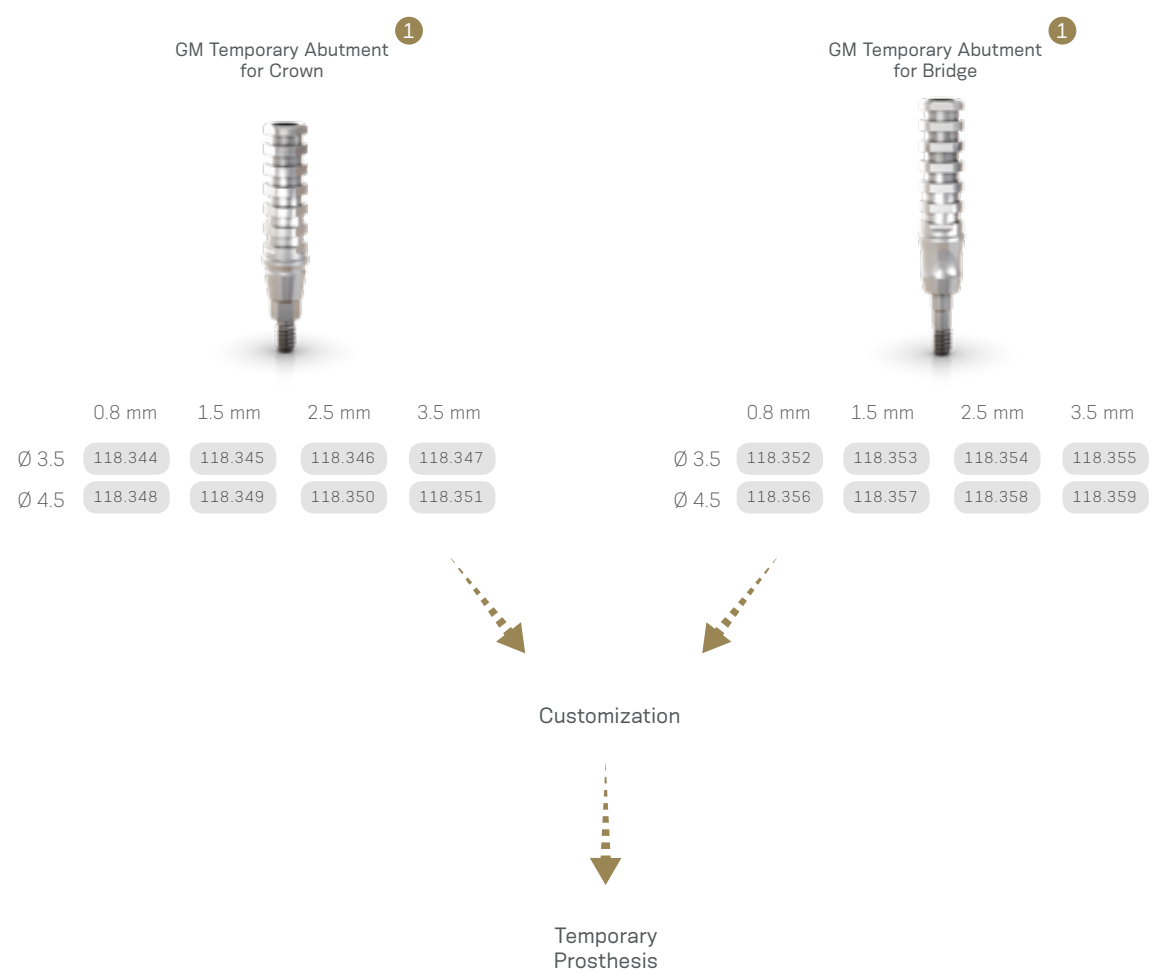
GM Temporary Abutment

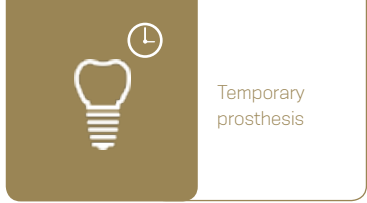
Customizable area made of titanium
A minimum height of 4 mm of the customizable area must be kept
With retentive grooves for acrylic material and allows customization



Consider in addition 1.5 - 2.0 mm for the restorative material

Installation Sequence





GM Pro Peek Abutment

Biocompatible Peek of easy customization



Consider in addition 1.5 - 2.0 mm for the restorative material

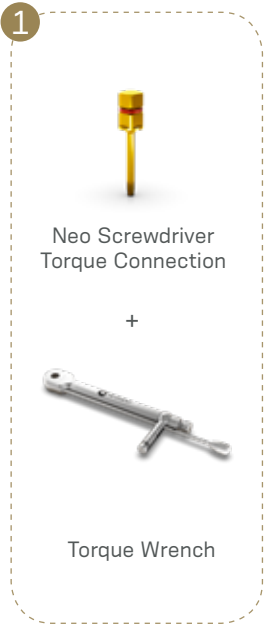
Installation Sequence

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



GM Novaloc

Angled version with removable screw



Accessories



Equipment Box 2010.101



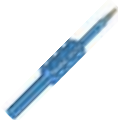
Processing Spacer 2010.723-STM



Mounting Insert 2010.725-STM



Matrix Housing Extractor 2010.751-STM

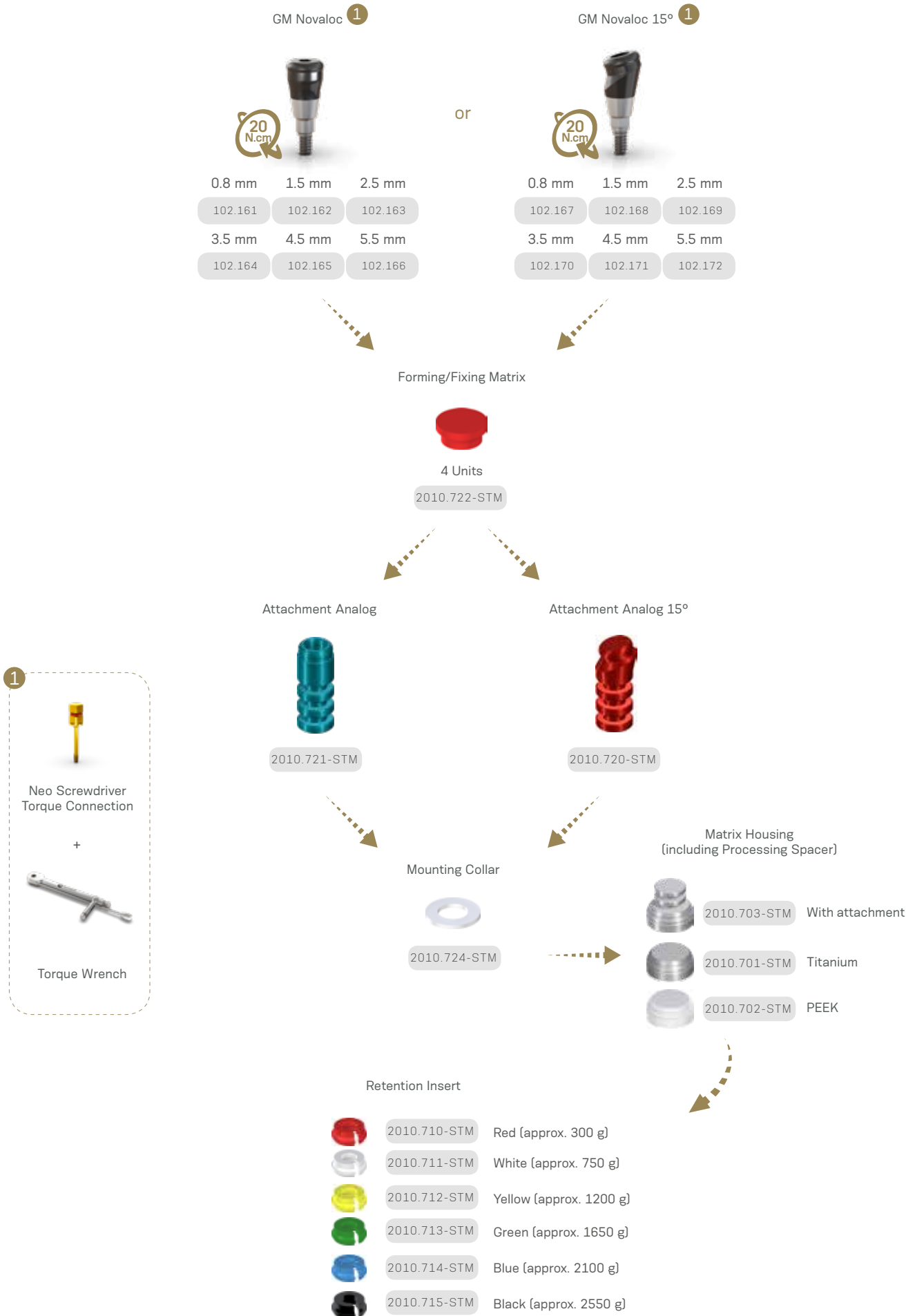


Demounting Tool for Mounting Inserts for Analog 2010.731-STM



Mounting and Demounting Tool for Retention Inserts 2010.741-STM

Installation Sequence



Measurements GM Mini Conical Abutment

Measurements GM Anatomic Abutment

17°



30°



45°



Narrow Anatomic Abutment



Anatomic Abutment



Narrow Anatomic Abutment 17°



Anatomic Abutment 17°



Measurements GM Universal Abutment

➤ 17°

➤ 30°

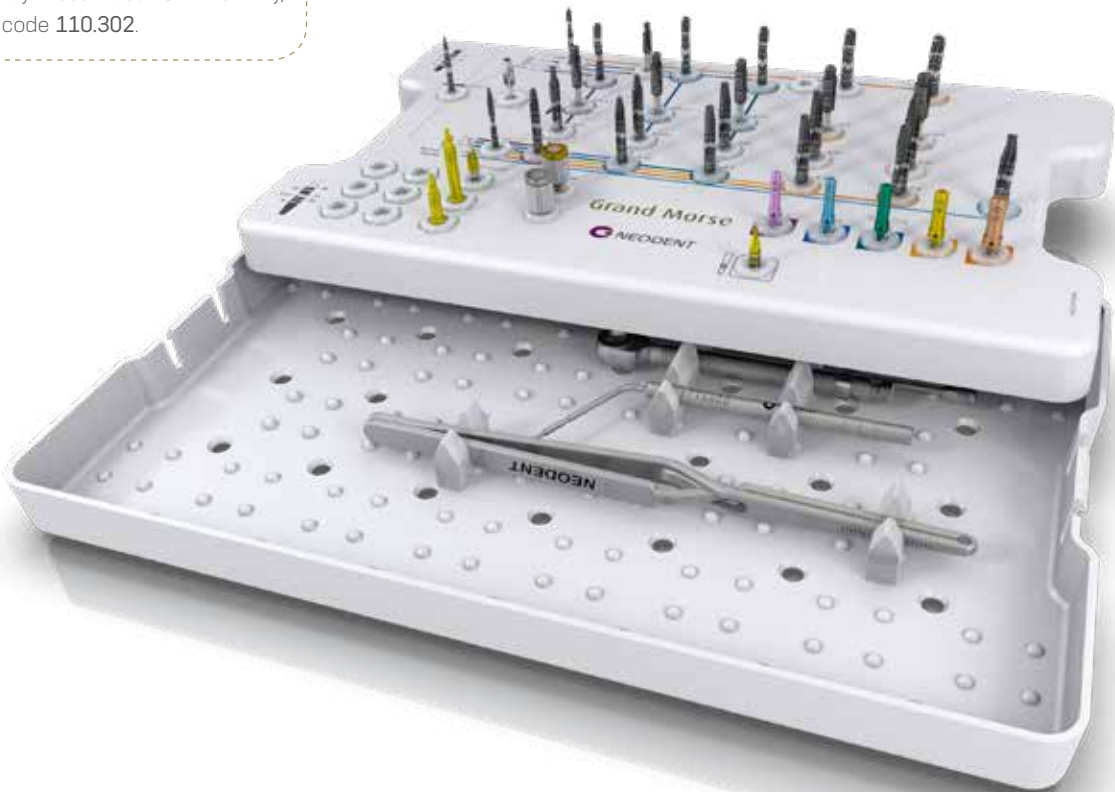


Grand Morse® Kits

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 complete composition of the kit, with all instruments already assembled on the tray, use code 110.302.



Articles

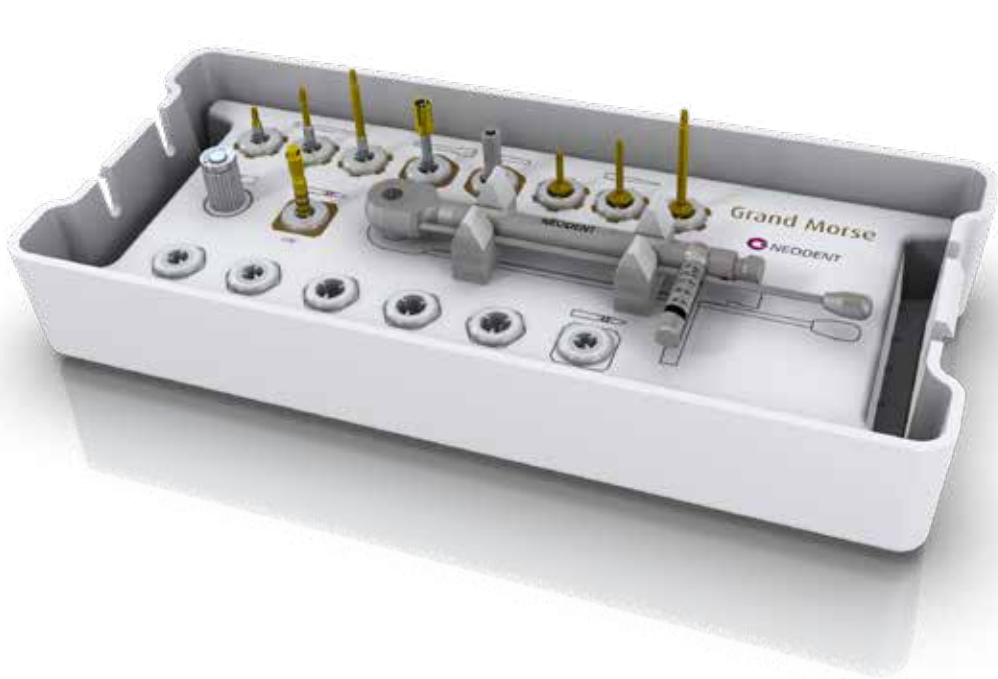
		Complete	Helix®			Complete	Helix®
110.288	GM Surgical Kit Case	✓	✓	103.399	Tapered Drill 3.5	✓	✓
103.162	Twist Drill 2.0 Plus	✓		103.402	Tapered Drill 3.75	✓	✓
103.213	Pilot Drill 2.0/3.0 Plus	✓		103.405	Tapered Drill 4.0	✓	✓
103.164	Twist Drill 3.0 Plus	✓		103.408	Tapered Drill 4.3	✓	✓
103.166	Twist 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 Measurer 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® Prosthetic Kit

Autoclavable polymer case.

To order the complete composition of the kit, with all instruments already assembled on the tray, use code **110.304**.



Articles

- 110.294 GM Prosthetic Kit Case
- 105.146 Neo Screwdriver Torque Connection - Contra-angle (Extra-short)
- 105.135 Neo Screwdriver Torque Connection - Contra-angle (Short)
- 105.136 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 complete composition of the kit, with all instruments already assembled on the tray, use code **110.305**.



Articles

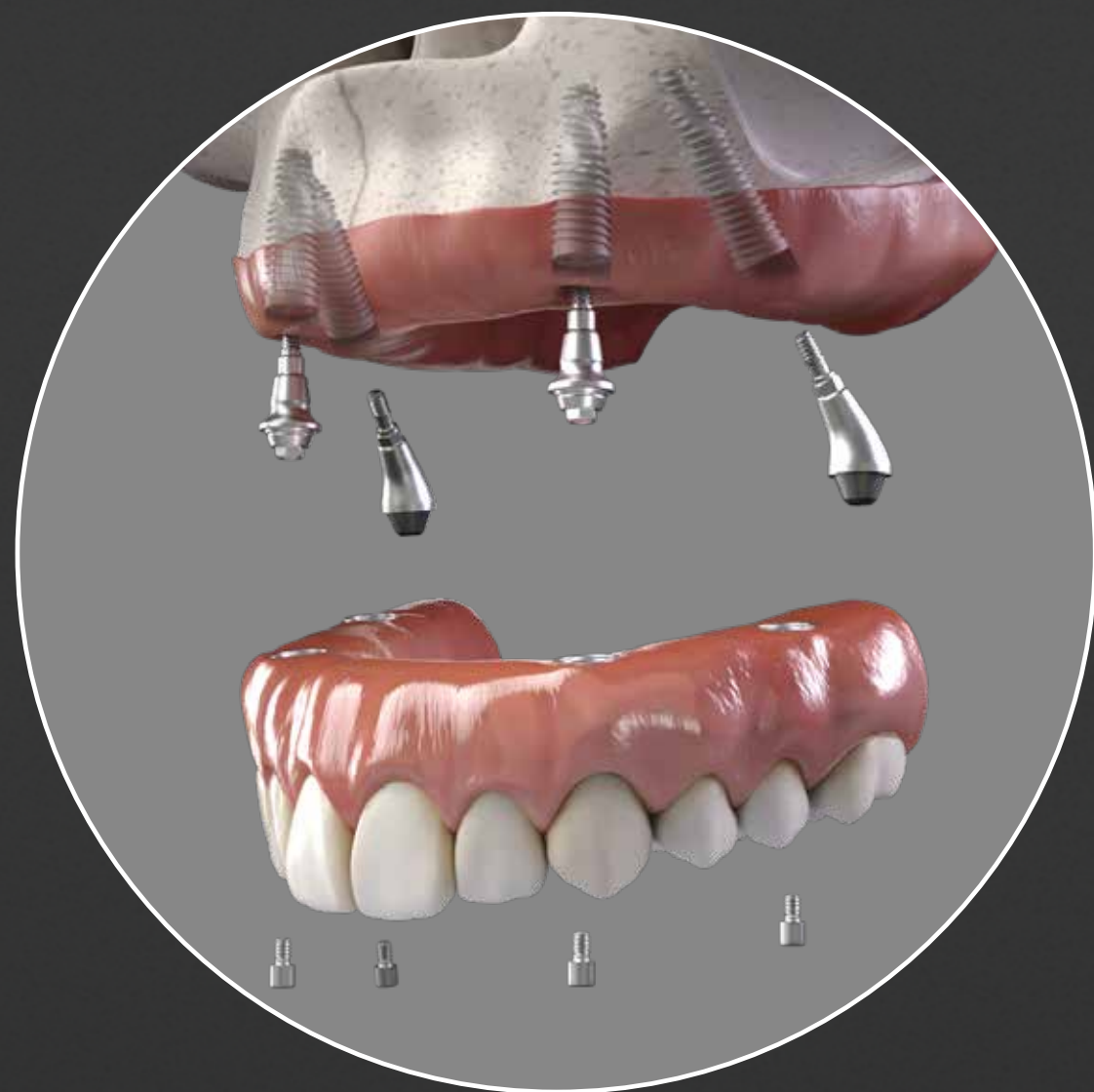
- 110.295 GM Try-In Kit Case
- 114.772 GM Abutment Try-In 3.3X6X0.8
- 114.773 GM Abutment Try-In 3.3X6X1.5
- 114.774 GM Abutment Try-In 3.3X6X2.5
- 114.775 GM Abutment Try-In 3.3X6X3.5
- 114.776 GM Abutment Try-In 3.3X6X4.5
- 114.777 GM Abutment Try-In 3.3X6X5.5
- 114.778 GM Abutment Try-In 4.5X6X0.8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

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

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.



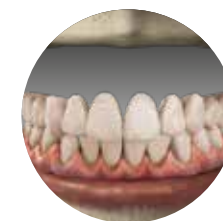
Helix GM®



Helix GM® Long



Zygoma GM™



BONE RESORPTION

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

Bone types III and IV 

* Drills available for both conventional and Guided Surgery procedures.

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 with interrupted thread, 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®

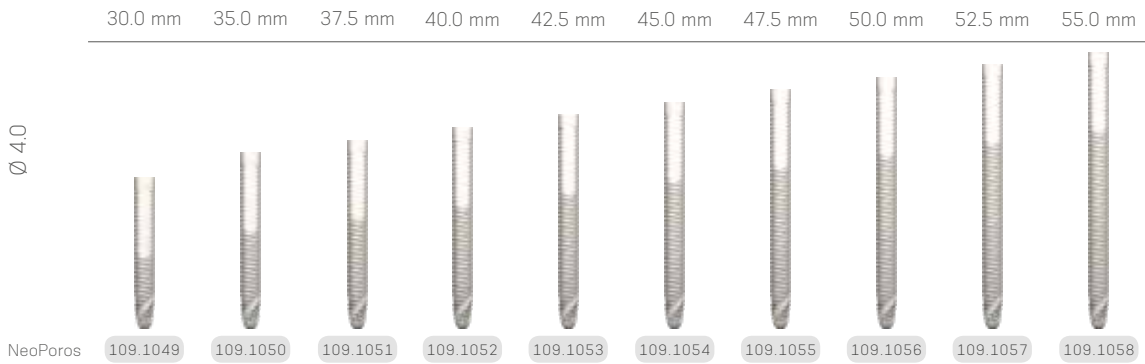


Drill Sequence



* Drill available for both conventional and Guided Surgery procedures.

Zygoma GM™ Implants



GM Cover Screw



Zygoma GM™ Surgical Kit

Autoclavable polymer case.



056

Articles

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

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

Helix GM® Long Compact Surgical Kit

Autoclavable polymer case.



057

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.

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		



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.

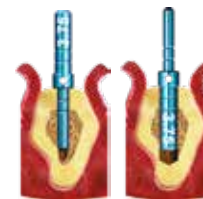
Ø 2.35
103.454



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.

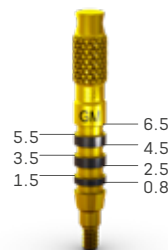
2.8/3.5	3.0/3.75	3.3/4.0	3.6/4.3	4.3/5.0
128.019	128.020	128.021	128.022	128.023



Drill Extension

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

103.426



GM Height Measure

- :: 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

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;
- :: Hexagonal Prosthetic Driver for Contra-angle: to install GM Mini Conical Abutment (straight).

Torque Wrench
105.137

Contra-angle
105.138

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

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

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

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°
128.030

30°
128.031

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

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°
128.032

30°
128.033

45°
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



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 99.

104.050



Najlepsze decyzje są oparte na faktach.

25 LATA

Dostarczamy wysokiej jakości rozwiązania implantologiczne od ponad 24 lat

NR2

Jesteśmy drugą co do wielkości firmą implantologiczną na świecie

Więcej niż 270,000

pacjentów było leczonych implantami Neodent w Brazylii w 2014 roku

Udokumentowany wskaźnik powodzenia

99.7%

u 3578 pacjentów

Więcej niż

150+

naukowych artykułów i publikacji

NR1

Neodent jest liderem w Ameryce Łacińskiej - drugim co do wielkości rynku zbytu implantów.

100%

wsparcie dla naszych klientów

35,000

profesjonalistów na świecie używa implantów Neodent

1,600,000

Sprzedajemy corocznie ponad milion implantów

Edukacja, nauka, wsparcie i badania naukowe w Curitiba, Brazylia

ILAPEO

Straumann zwiększył swoje udziały w Neodent do

100%

(w kwietniu 2015 roku)

Ponad

3,000

lekarzy zostało przeszkolonych w ośrodkach naukowych Neodent w Brazylii

ILAPEO

Neodent kładzie dużą wagę na edukację i szkolenia w celu zapewnienia jakości oraz standardów leczenia i opieki nad pacjentem. Czyni to poprzez ILAPEO (Latin American Institute of Dental Education), jeden z największych na świecie ośrodków szkolenia dedykowany implantologii, który oferuje kursy dla tysięcy uczestników z całego świata każdego roku. ILAPEO proponuje kursy podyplomowe i kursy mistrzowskie dla klinicystów. Jest to wspaniały powód, aby odwiedzić Brazylię....

NEODENT - DOŻYWOTNIA GWARANCJA

Celem programu Neodent Originals jest zapewnienie jakości i trwałości produktów Neodent. Dlatego stomatolodzy, którzy używają w swoich procedurach produktów Neodent mogą liczyć na gwarancję dotyczącą każdego rozwiązania.

IMPLANTY: Dożywotnia gwarancja. Wymiana na taki sam lub podobny implant.

KOMPONENTY IMPLANTÓW: 10 lat gwarancji na łączniki metalowe.

Grand Morse® Neodent® Guided Surgery





Complete: Helix® and Drive® Grand Morse® Implants portfolio;
Convenient: Color-coded instruments and symbol-marked;
Flexible: 2 sleeve height options;
Complatible with major guided surgery software.



066

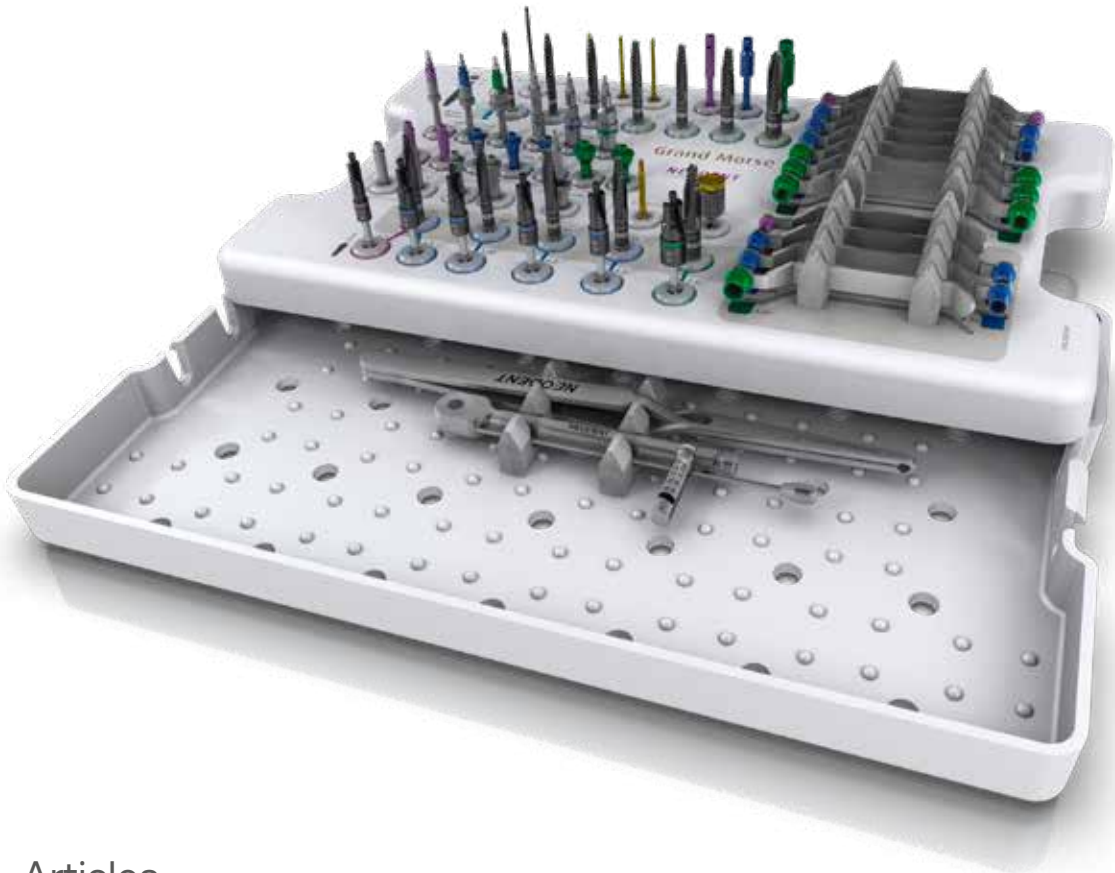
► Sleeves for Neodent® Guided Surgery System

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

► 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.



067

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.

**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 for 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

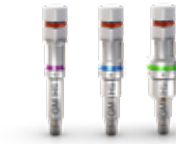
- :: Available in titanium and stainless steel;
- :: Color-coded according to the sleeve diameter;
- :: To fit in the sleeve in the surgical guide;
- :: To be used with correspondent drill diameter and type.

	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

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	Ø 2.0	Ø 3.5	Ø 3.75	Ø 4.3	Ø 5.0	Ø 6.0
103.170	103.425	103.399	103.402	103.408	103.411	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
	6 mm	Ø 5.5	135.290	135.291	135.292	135.293	135.294

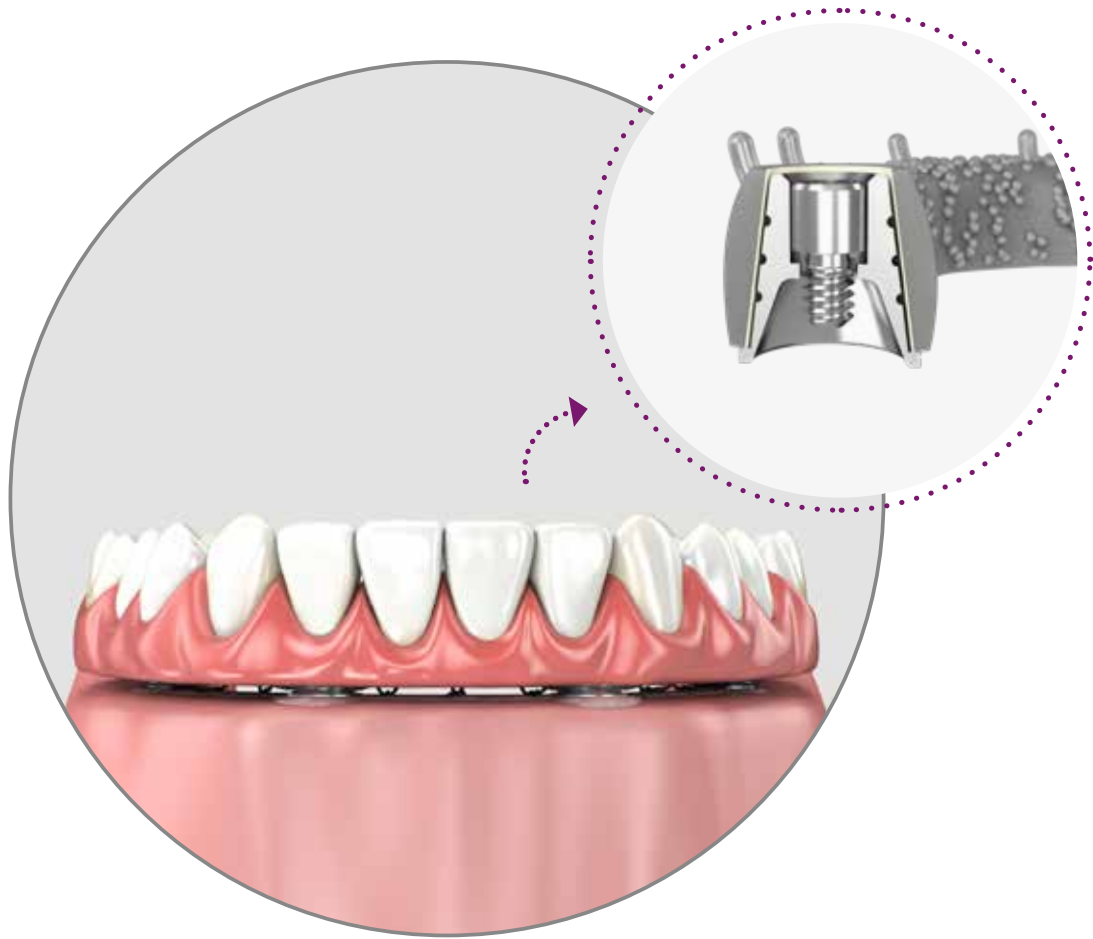
:: Use the Neo Screwdriver Torque Connection - Torque Wrench (105.132).

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

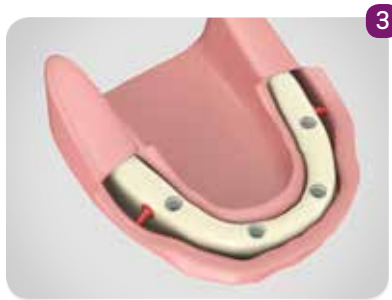
► Demonstration Sequence



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.



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.



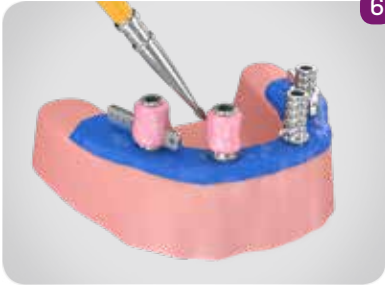
3 Place the copings into the central Implants and Distal Bar to distal Implants.



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.

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
- 108.197 GM Micro Abutment
- 108.198 GM Abutment



Compatible with
Neo Screwdriver

► Hybrid Repositionable Analog

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



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

Neodent® 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.

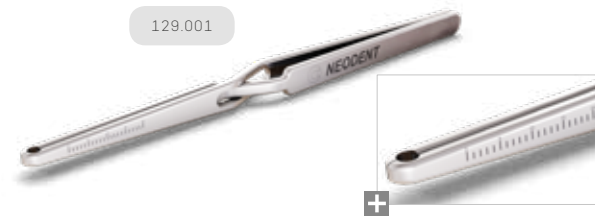


The wrench function works in both directions, by simply pulling and turning the driver's pin 180°. However, the torque measurements work only lockwise.

•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.



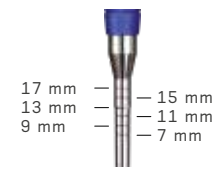
Scapel Handle

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



Bivers Handle

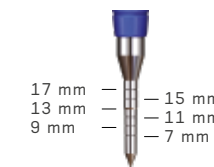
- :: Available in surgical steel;
- :: Non-traumatic extraction for implant placement;
- :: Similar to a periosteal elevator.



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.



Surgical Hammer

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



126.001

Complement Case

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



110.270

Trephine Bur

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

Ø 3.3	Ø 4.1	Ø 4.3	Ø 5.0	Ø 8.0
103.051	103.026	103.087	103.027	103.028



0.35 mm

Handle Implant Driver

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



104.047

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



Analog Handle

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



104.036

Prosthetic Surgical Guide

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



Guide	Pin
103.092	103.093



Znakomity marketing Neodent usprawni Twoją komunikację z pacjentami.

Odwiedź nową stronę dla pacjentów Neodent:

www.mojimplant.com.pl