



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 easy to use

Neodent® Packaging

Neodent® implant packaging has been updated to a concept that provides convenience through all steps of the procedure, from storage to the placement of the implant.

The new packaging aids in identification of both the implant model as well as its diameter and length, regardless of its storage position.



Package instruction of use



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



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



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



While gripping the implant carrirer, remove the lid.



To capture the implant with the contraangle handpiece attachment, grip the implant carrier while placing the attachment into the implant chamber.



The implant can now be transported to the surgical site.

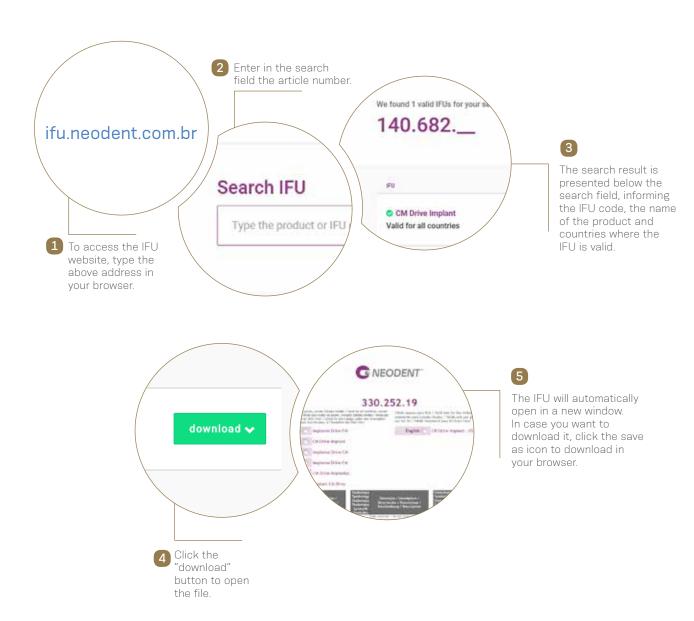
e-IFU - Electronic Instructions For Use

Neodent® innovates once more, providing an on-line platform designed to provide quick and practical use of its own product 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 catalog or with your local distributor. Once the article number is entered in the website, the clinician will have access to relevant information for this product, such as description, indication for use, contraindications, handling, traceability and other features.





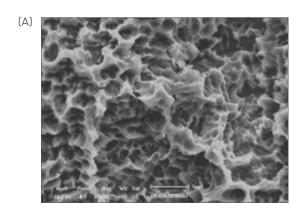


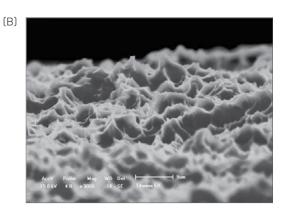
NeoPoros

Constant evolution

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

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





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

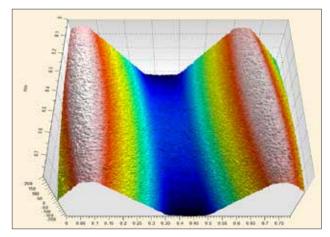


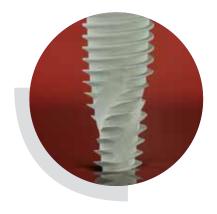
Image taken by confocal microscopy. Roughness and Microtopography. (Sa= 1,4 - 1,8 μ m; Sz= 15 μ m).

The Acqua Hydrophilic Surface is designed for high treatment predictability

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

Surface comparison*

*Lab generated images.



NeoPoros surface



Acqua Hydrophilic Surface

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)

GRAND MORSE

Grand Morse[™] Connection

The Neodent® Grand Morse™ connection offers a unique combination is based on proven concepts: a platform switch 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 Index

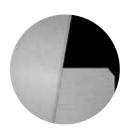
Precise abutment positioning, protection against rotation and easy handling.



(2)

Platform Switching

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



(3)

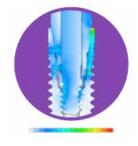
Deep Connection

Allowing a large contact area between the abutment and the implant.



(4)

16° Morse Taper connectionDesigned to ensure tight fit for an optimal connection sealing.



Grand Morse[™] Implants

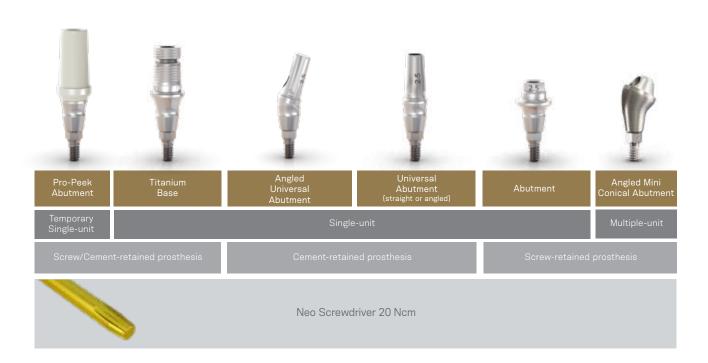
The Neodent® Grand Morse™ implants provide a complete range of treatment options to create the optimal tooth replacement outcomes for all indications, from single tooth to fully edentulous:

- Helix[™] Grand Morse[™] is an innovative hybrid implant design maximizing treatment options in all bone types.
- Drive Grand Morse™ is a tapered implant developed to achieve high primary stability in challenging bone situations such as soft bone and extraction sockets.
- Titamax Grand Morse™ is a cylindrical implant indicated for bone types I and II and allowing vertical placement flexibility.



		Helix GM	Drive GM	Titamax GM
type				
Bone type				
	IV			

Grand Morse[™] Abutments





Helix GM

PRODUCT FEATURES:

Implants Description:

- Full dual tapered implant;
- Hybrid contour with a cylindrical coronal part and conica 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 lead 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 1-2 mm below bone level;
- Drilling speed: 800-1200 rpm for bone type I and II;
- Drilling speed: 500-800 rpm for bone type III and IV;
- Implant insertion speed: 30 rpm;
- Maximum torque for implant placement: 60 Ncm.





	1	1		1	1	1	1	1	1	1	-	1	1	B	CHIM	- ANTE	B	QUE
	Initial	Ø2.0	Ø3.5	Ø3.5 +	Ø2.8/3.5	Ø3.75	Ø3.75 +	Ø3.0/3.75	Ø4.0	Ø4.0 +	Ø3.3/4.0	Ø4.3	Ø4.3+	Ø3.6/4.3	Ø5.0	Ø5.0+	Ø4.3/5.0	Ø6.0
	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
Ø3.5	Optional	Ø		ਂ	•													
Ø3.75	Optional	Ø	Ø				Ø	Ø										
Ø4.0	Optional	Ø	Ø			Ø				Ø	Ø							
Ø4.3	Optional	Ø	Ø			Ø			Ø				Ø	Ø				
Ø5.0	Optional	Ø	Ø			Ø			Optional			Ø				Ø	Ø	
																Bone	types I and	
Ø3.5	Optional	Ø	Ø															
Ø3.75	Optional	Ø	Ø			Optional												
Ø4.0	Optional	Ø	Ø						Optional									
Ø4.3	Optional	Ø	Ø			Ø						Optional						
Ø5.0	Optional	Ø	Ø									Ø			Optional			
Ø6.0	Optional	Ø	Ø			Ø						Ø			Ø			Optional

Helix™ **GM** Implants

04.0

04.3

022.0

8.0 mm 10.0 mm 11.5 mm 13.0 mm 16.0 mm 18.0 mm

Ø3.5							V
	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
Ø3.75				CHE			
	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
		No.					

		•	U	智	1	
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
	V					
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
	W.	V	U			

	U	V	V			
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
		U				
Acqua	140.1009	140.1010	140.1011	140.1012		

109.1011

109.1012

GM Cover Screw

Bone types III and IV

D	0 mm	2 mm
8	117.021	117.022

015

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

GM Healing Abutment

NeoPoros

109.1009



GH 0.8 mm 1.5 mm 2.5 mm 3.5 mm 4.5 mm 5.5 mm Ø3.3 (106.207) (106.208) (106.209) (106.210) (106.211) (106.212) Ø4.5 (106.213) (106.214) 106.215 106.216 106.217 106.218

109.1010

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

Drive **GM**

PRODUCT FEATURES:

Implants Description:

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

Indications:

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

Drilling features:

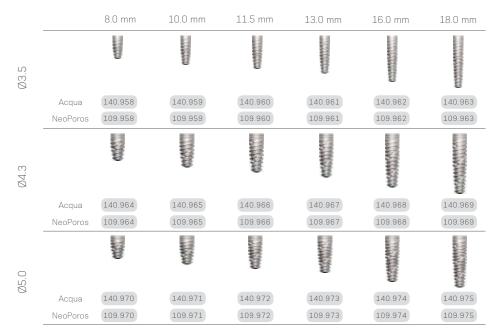
- Final pilot drill is optional in bone types III and IV.
- Implant should be positioned 1-2 mm below bone level;
- Drilling speed: 500-800 rpm;
- Implant insertion speed: 30 rpm;
- Maximum torque for implant placement. 60 Ncm







Drive GM Implants



GM Healing Abutment



-						
GH	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
Ø3.3	106.207	106.208	106.209	106.210	106.211	106.212
Ø4.5	106.213	106.214	106.215	106.216	106.217	106.218

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

GM Cover Screw



0 mm 2 mm 117.021 117.022

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

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 1-2 mm below bone level
- Self tapping implant which doesn't require the use of bone tap or contour drill;
- Drilling speed: 800-1200 rpm;
- Implant insertion speed: 30 rpm;
- Maximum torque for implant placement: 60 Ncm.









019

Titamax **GM** Implants

		7.0 mm	8.0 mm	9.0 mm	11.0 mm	13.0 mm	15.0 mm	17.0 mm
Ø3.5		V		V				
Ø	Acqua	140.906	140.907	140.908	140.909	140.910	140.911	140.912
	NeoPoros	109.906	109.907	109.908	109.909	109.910	109.911	109.912
Ø3.75								
	Acqua	140.899	140.900	140.901	140.902	140.903	140.904	140.905
	NeoPoros	109.899	109.900	109.901	109.902	109.903	109.904	109.905
0.4.0		V	V					
	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
02.0		¥		V		l		
Ö	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



GH	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
Ø3.3	106.207	106.208	106.209	106.210	106.211	106.212
Ø4.5	106.213	106.214	106.215	106.216	106.217	106.218

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

GM Cover Screw



0 mm	2 mm
117.021	117.022

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

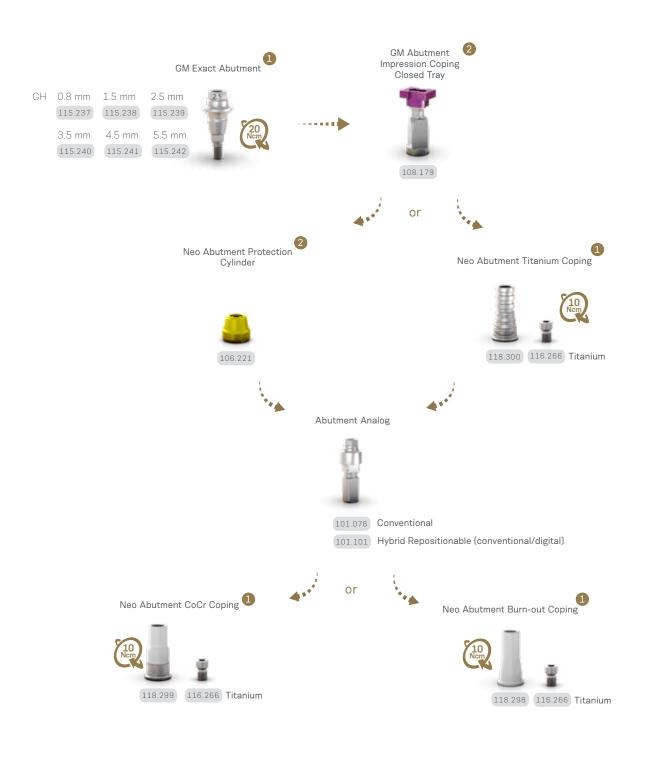
GM Abutment



Recommended in posterior area.



Installation Sequence





GM Mini Conical Abutment





Mini Conical Abutment Polishing Protector

123.008

Hexagonal

Prosthetic Driver

Torque Wrench

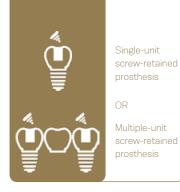
Torque Wrench

Torque Connection

Torque

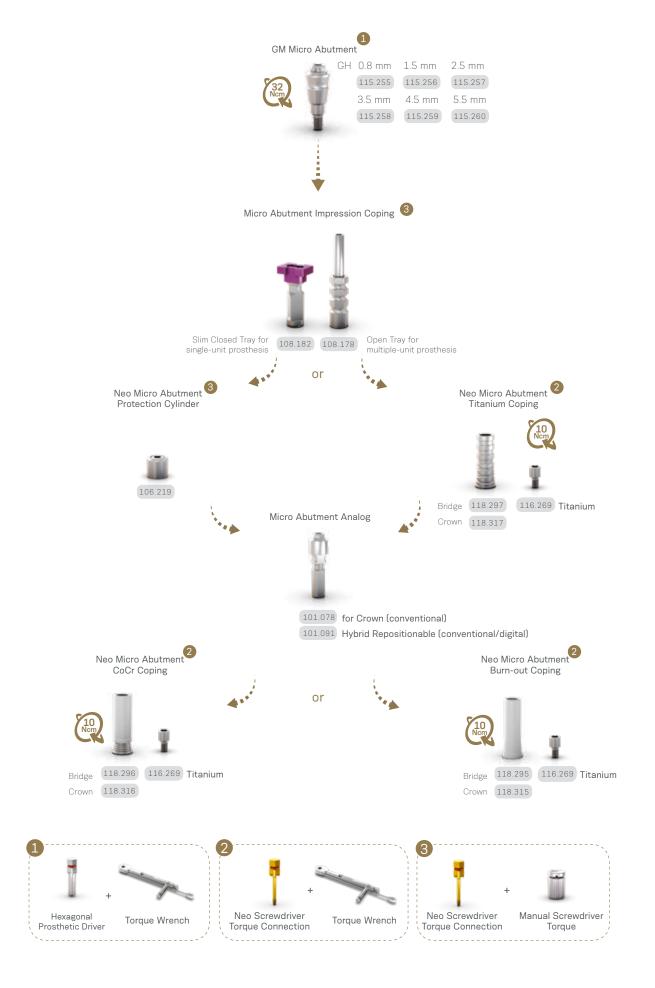
Torque Connection

Recommended for limited spaces and narrow inter-dental spaces.



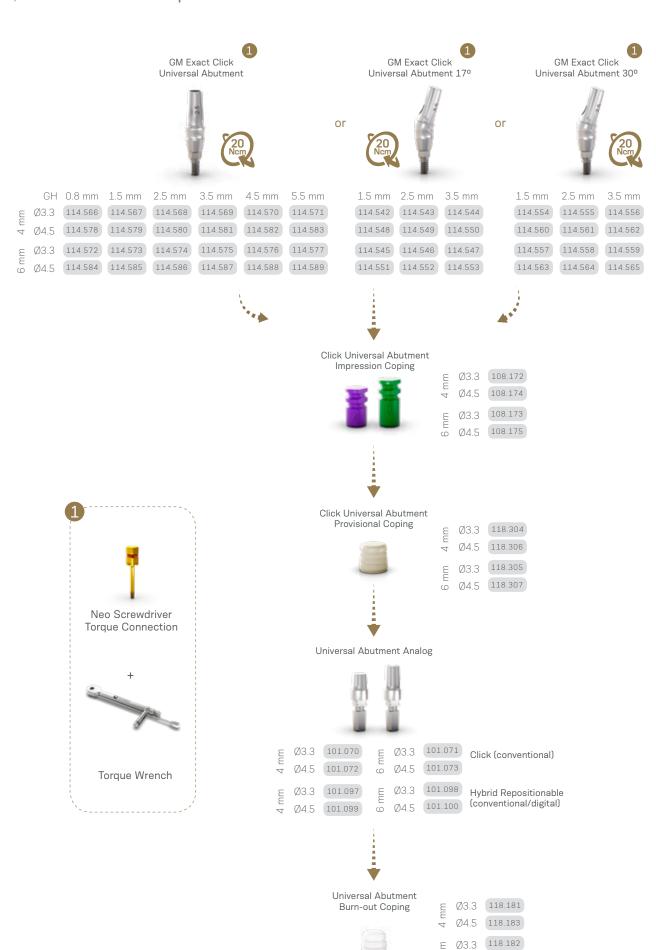


Installation Sequence





Installation Sequence



Ø4.5 118.184

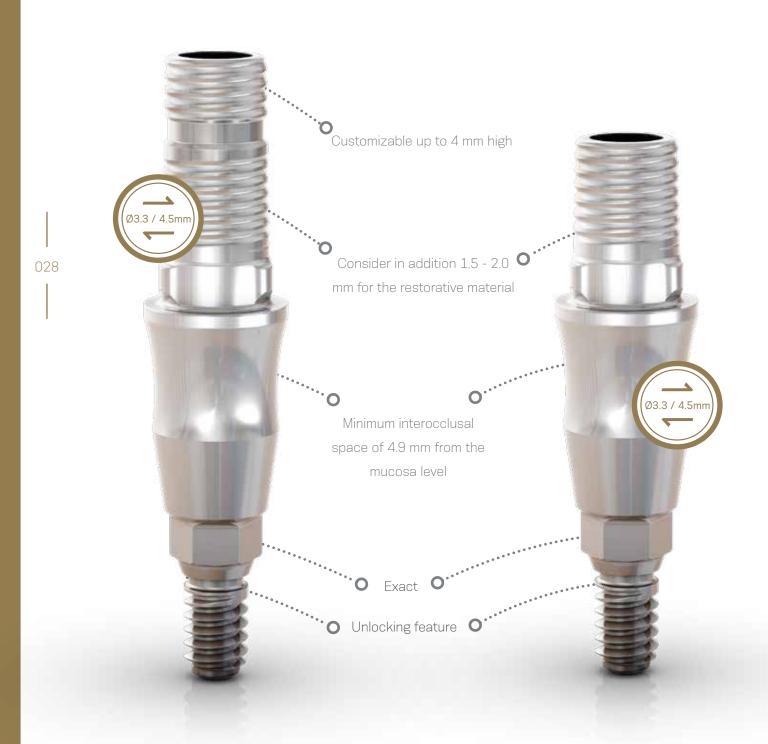
GM Titanium Base



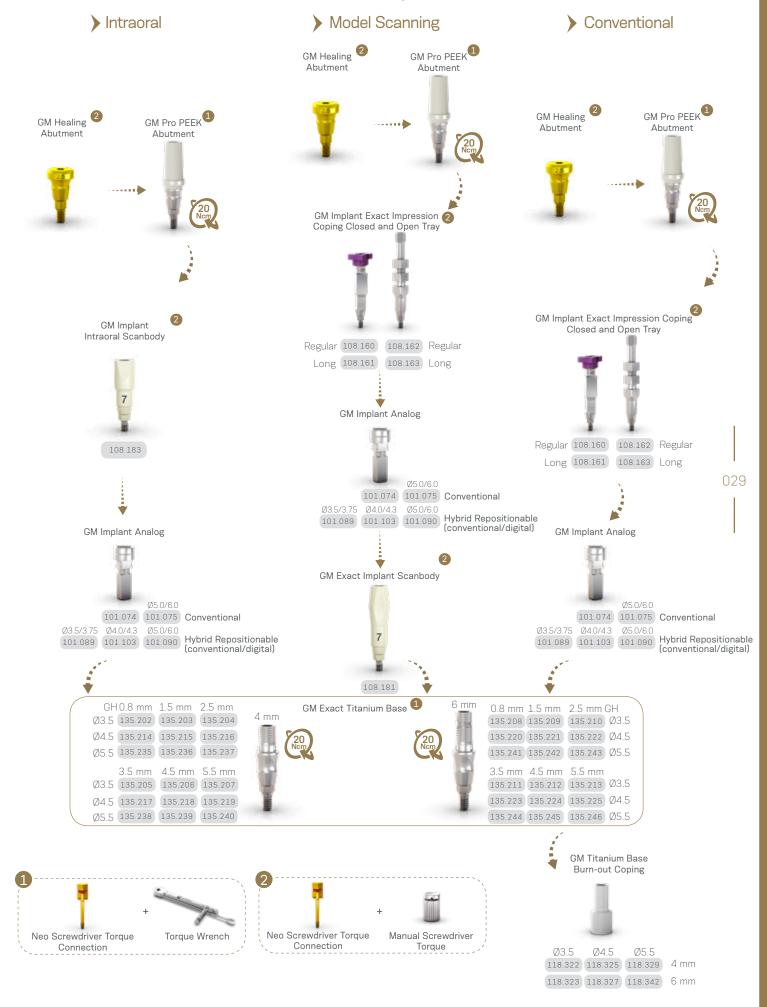
Single-unit screw-retained prosthesis

OR

Single-unit cement-retained prosthesis



Workflow Options



GM Pro PEEK Abutment



Biocompatible PEEK for easy customization.



Installation Sequence







Measurements GM Mini Conical Abutment

> 17°







> 30°









Measurements GM Universal Abutment

> 17°



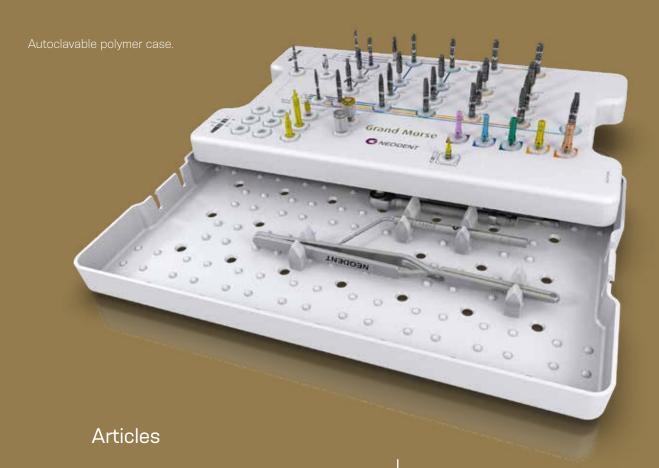








Grand Morse[™] Surgical Kit



103.162 Twist Drill 2.0 Plus

103.213 Pilot Dril 2.0/3.0 Plus

103.164 Twist Drill 3.0 Plus

103.166 Twist Drill 3.3 Plus

103.167 Twist Drill 3.8 Plus

103.168 Twist Drill 4.3 Plus

103.163 Twist Drill 2.8 Plus

103.170 Initial Drill Plus

103.414 Pilot Drill GM 2.8/

103.415 Pilot Drill GM 3.0/3.75

103.416 Pilot Drill GM 3.3/4.0

103.417 Pilot Drill GM 4.3

PIIOL Drill GW 4.3

103.418 Pilot Drill GM 4.3/5.0

103.419 Tapered Contour Drill 3.5 103.420 Tapered Contour Drill 3.75

103.421 Tapered Contour Drill 4.0

103.422 Tapered Contour Drill 4.3

103.423 Tapered Contour Drill 5.0

103.425 Tapered Drill 2.0

103.399 Tapered Drill 3.5

103.402 Tapered Drill 3.75

103.405 Tapered Drill 4.0

103.408 Tapered Drill 4.3

103.411 Tapered Drill 5.0

103.427 Tapered Drill 6.0

105.131 GM Implant Driver - Contra-Angle

104.060 Neo Screwdriver (Medium

105.130 GM Implant Driver - Torque Wrench (Long)

104.028 Manual Implant Driver - Contra-Angle

105.129 GM Implant Driver - Torque Wrench (Short

128.019 Direction Indicator 2.8/3.5

128.020 Direction Indicator 3.0/3.75

128.021 Direction Indicator 3.3/4.0

128.022 Direction Indicator 3.6/4.3

128.023 Direction Indicator 4.3/5.0

128.028 Height Measurer GM

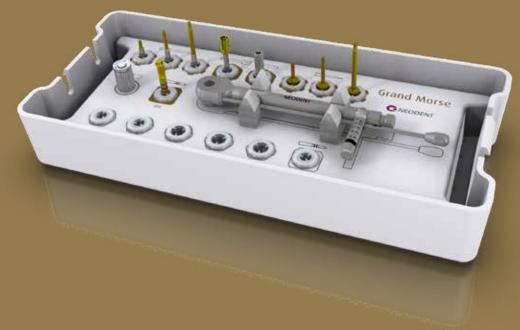
129.004 Depth Prob

129.001 Titanium Tweezers

104.050 Torque Wrench

Grand Morse™ Prosthetic Kit

Autoclavable polymer case.



Articles

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

Grand Morse[™] Try-In Kit

Autoclavable polymer case.



Articles

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

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114.788
114.789
114.790
114.791
114.792
114.793
114.794
114.795
114.796
         GM Anatomic Abutment Try-In 1.5
114.797
114.798
114.799
114.800
104.058
128.028
        GM Height Measurer
```

GRAND MORSE™ INSTRUMENTS



Initial Drill

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

103.170



Tapered Drills

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

	Ø2.0	Ø3.5	Ø3.75	Ø4.0	Ø4.3	Ø5.0
Short 31 mm		103.400	103.403	103.406	103.409	103.412
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



040

GM Tapered Contour Drills

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

Ø3.5+	Ø3.75+	Ø4.0+	Ø4.3+	Ø5.0+
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.

2.0/3.0	2.8/3.5	3.0/3.75	3.3/4.0	3.6/4.3
103.213	103.414	103.415	103.416	103.417
4.3/5.0	3.8/4.3	4.3/5.3	5.3/6.0	
103.418	103.214	103.215	103.221	



Twist Drills

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

Short 31 mn

Regular 35 mn

обана	00	
Long	43	mm

	Ø2.0
m	103.222
m	103.162

103.223	103.224
103.163	103.164

Ø3.0

Ø2.8

Ø3.3	
103.225	
103.166	

Ø3.8

103.167

Ø4.3

103.168

Ø6.0

103.427

103.226 103.227

103.228 103.229 103.230 103.231

3.6/4.3 4.3/5.0

2.8/3.5 3.0/3.75 128.019 128.020

3.3/4.0

128.021

128.022

128.023



- **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 Ø2.0 mm drill;
- :: Larger side to be used after the last drill
- before implant installation.





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

041



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 2 mm infra-bone and last marking (3 mm) biological space;
- :: Maximum torque 35 Ncm.

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 2 mm infra-bone and last marking (3 mm) biological space;
- :: Maximum torque: 60 Ncm.

Short 22 mm

105.129

30 mm 105.130

Long

- :: 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	Medium	Long
20 mm	25 mm	38 mm
105 133	105 132	105 134



042

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 20 mm
 Medium 25 mm
 Long 38 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 Contraangle (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
 Medium 25 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;
- :: Hexagonal Prosthetic Driver for Contra-angle: to install GM Mini Conical Abutment (straight).

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

Torque Wrench

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

104.050



NEODENT® TECHNIQUES

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.



046



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.

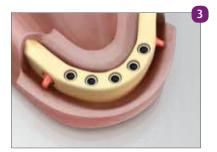
116.271

047

Normalization of alveolar flaps.



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



Placement of 5 implants.



Placement of Mini Conical Abutments.



Placement of square transfers, replaced by short screws (Mini Conical Abutment cylinder screw) and impression copings splinted with acrylic resin.



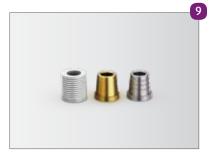
Positioning of multifunctional guide to obtain intermaxillary ratios. Joining transfers with acrylic resin. After splinting, soft silicone is injected to take the soft tissue impression



Removal of multifuncional guide and placement of Mini Conical Abutment analogs to the impression copings.



Working model with artificial gum.



Castable One Step Hybrid Coping, Brass One Step Hybrid Coping, grooved Titanium One Step Hybrid Coping with lower dimension than the brass



Brass Copings are placed over analogs, Then Castable Brass Copings are placed over analogs. Then Castable Copings are fixed by working screws



Castable ring with waxed framework.



Cast framework.



Adapting the framework over model.



Please note cementing area.



Cement the structure over the Titanium copings with Panavia.



Final view.

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



Neo Distal Bar Coping



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

118.308



Neo Distal Bar

:: Recommended for distal Implants to reinforce the cantilever.

125.116

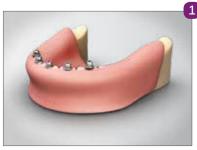


Polishing Protector

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

123.008

> Demonstration Sequence



Abutments placed.



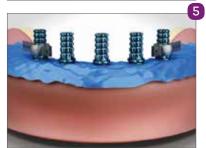
Prostheses wearing, keeping posterior region integrity.



Placing of copings to central Implants and Distal Bar to distal Implants.



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



Placement of rubber dam over copings to protect soft tissue.



Applying self-polymerizing acrylic resin on copings.



Applying acrylic resin between copings.



Applying to worn area in lower prostheses, repositioning inside mouth, patient in occlusion until total polymerization.



Removal of inferior prostheses after resin is polymerized, copings already captured.



Wearing, finishing and polishing inferior prostheses with polishing protectors.



Provisional implant supported prostheses completed.



Final posterior view.

DIGITAL SOLUTIONS



Visit http://en.neodent.com.br/libraries-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 software: exocad GmbH, Amann Girrbach AG Inc, Dental Wings Inc and 3Shape A/S.

Scanbody Impression Coping

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



054

Intraoral

108.183	GM Exact Implant Intraoral Scanbody			
108.137	Mini Conical Abutment Intraoral Scanbody*			
108.140	Micro Abutment Intraoral Scanbody*			
108.143	3.3x4 Universal Abutment Intraoral Scanbody			
108.144	3.3x6 Universal Abutment Intraoral Scanbody			
108.145	4.5x4 Universal Abutment Intraoral Scanbody			
108.146	4.5x6 Universal Abutment Intraoral Scanbody			



For Model

108.181 108.094 108.102

GM Exact Implant Scanbody				
Mini Conical Abutment Scanbody*				
Micro Abutment Scanbody*				



GENERAL INSTRUMENTS

Torque Wrench

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



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 (never the wrench body) until the value marked on the LATERAL SCALE 2 corresponds to the desired torque



A Price

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 clockwise.

•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; ::: Millimeter scale for checking during procedures; :: Self-locking.



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.



124.003

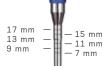
124.001





Bivers Handle





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 17 mm.

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

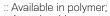


Convex Osteotome

- :: 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 17 mm.



Osteotomes Kit Case



:: Autoclavable;

:: Osteotomes sold separately.



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





060

Trephine Bur

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



Ø3.3 Ø8.0 Ø4.1 Ø4.3 Ø5.0 103.026 103.087 103.027 103.028

Sinus Lift Curette

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





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





Handle Implant Driver

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





Analog Handle

:: Used for tightening analogs and milling prosthetic abutments.

104.036



- :: Available in surgical stainless steel;
- :: Increases bone volume; :: Blade comes with 3-year warranty, oxidation free;
- :: Fitted with lever for easier use; :: Bone mill pestle with slots to optmize bone block locking during use;
- :: Please avoid the use of bone originating from tissue banks;
- :: Bone Mill Teflon Ring (127.013) can be acquired.



Bovine bone block with volume = 1.76 cm³



Magnified particles



After particling, volume gain was about 7 times.





063

Notes

064

| 065 |

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