CATALOGUE 2019

NEODENT®
A Straumann Group Brand

NEW SMILES EVERY DAY

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

Technical Guidelines

Innovative and ease to use

Neodent® Packaging

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

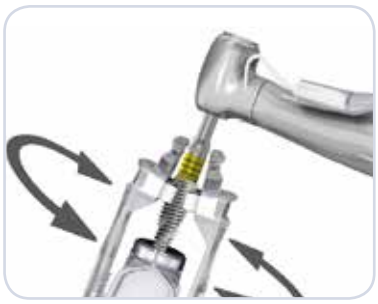
Package instruction of use

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

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

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

While gripping the implant carrirer, remove the lid.



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

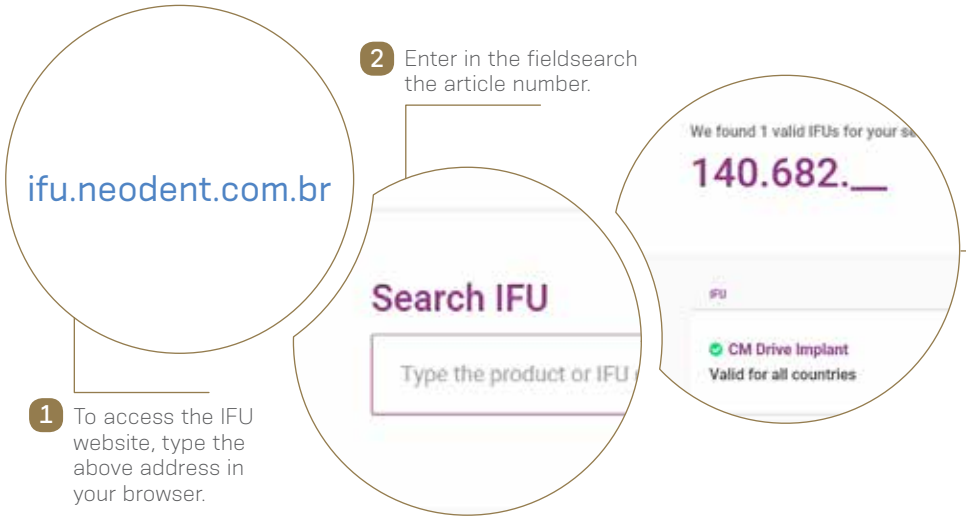
The implant can now be transported to the surgical site.

e-IFU – Electronic Instructions For Use

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

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

Access: ifu.neodent.com.br



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

2 Enter in the fieldsearch the article number.

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

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

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

NeoPoros

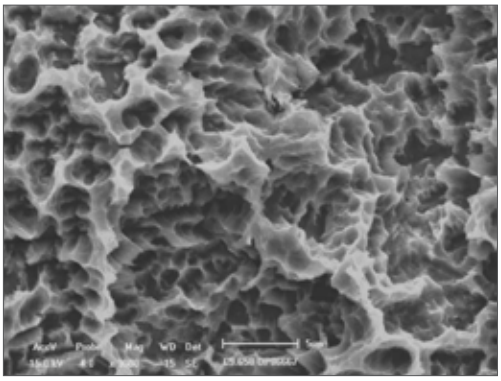
Constant evolution and safety guarantee.

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

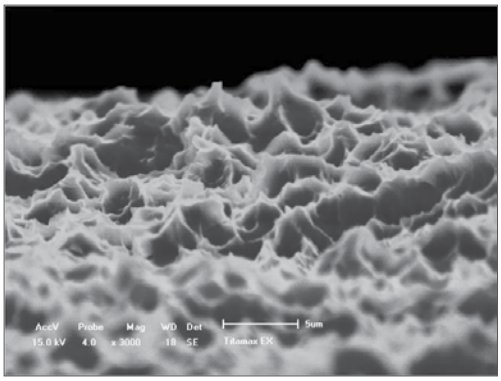
The whole process of obtaining this surface is guaranteed due to automated time, speed, pressure and particle size control.

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

(A)



(B)



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

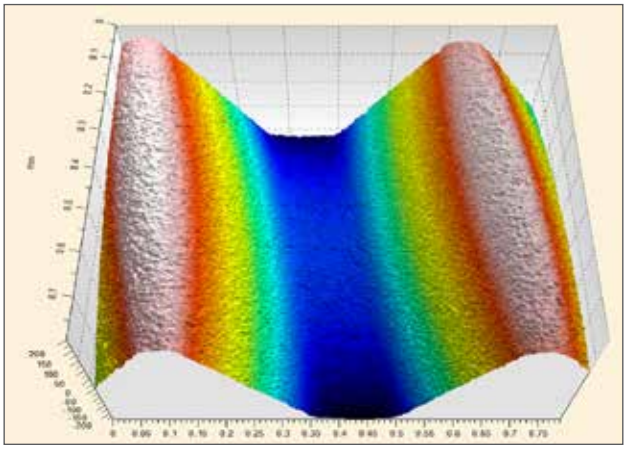


Image taken by confocal microscopy.
Roughness and Microtopography.
(Sa= 1,4 – 1,8 µm; Sz= 15 µm).

acqua®

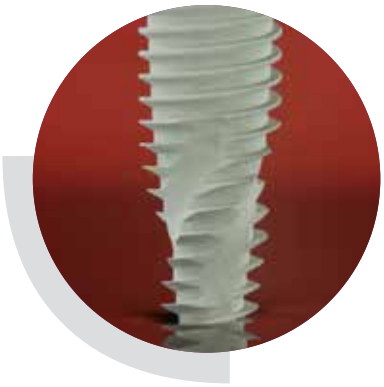
Surface
concept evolution

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*

*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]

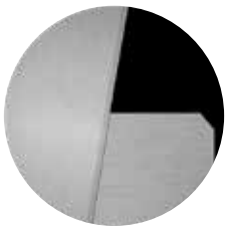
Grand Morse®

Grand Morse® Connection

The Neodent® Grand Morse® connection offers a unique combination 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.

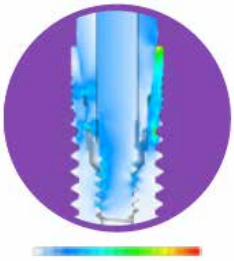
1
Internal Indexation
Precise abutment positioning, protection against rotation and easy handling.

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.

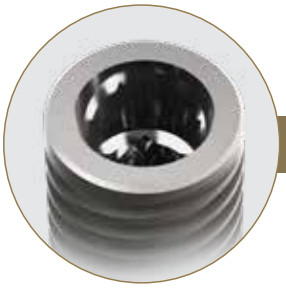
4
16° Morse Taper connection
Designed to ensure tight fit for an optimal connection sealing.



Grand 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 and efficiency in all bone types.
- Drive® Grand Morse® is a tapered implant developed to achieve high primary stability in challenging bone situations such as soft bones and extraction sockets.
- Titamax® Grand Morse® is a cylindrical implant indicated for bone types I and II and allowing vertical placement flexibility.



One Grand Morse® connection for all Grand Morse® implants

Bone type	Helix GM®	Drive GM®	Titamax GM®
I	✓		✓
II	✓		✓
III	✓	✓	
IV	✓	✓	

Indication table according to Lekholm and Zarb bone classification (1985).

Grand Morse® Abutments

Temporary Single or Multiple-unit	Temporary Single-unit	Single-unit	Multiple-unit	Single or Multiple-unit	Single-unit		Multiple-unit	
Screw-retained prosthesis	Screw or Cement-retained prosthesis				Cement-retained prosthesis	Screw-retained prosthesis	Overdenture	

Neo Torque Connection - 20 N.cm

Single-unit	Multiple-unit	Single or Multiple-unit
Screw or Cement-retained prosthesis	Screw-retained prosthesis	

AS Screwdriver 20 N.cm

Hexagonal Prosthetic Driver 32 N.cm

Helix **GM®**

PRODUCT FEATURES:

Implants Description:

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

Indications:

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

Drilling features:

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

Available with:

NeoPoros or acqua®

Drill Sequence

	Initial	Ø 2.0	Ø 3.5	Ø 3.5+	Ø 2.8/3.5	Ø 3.75	Ø 3.75+	Ø 3.0/3.75	Ø 4.0	Ø 4.0+	Ø 3.3/4.0	Ø 4.3	Ø 4.3+	Ø 3.6/4.3	Ø 5.0	Ø 5.0+	Ø 4.3/5.0	Ø 6.0
	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

		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 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

Drive **GM®**

PRODUCT FEATURES:

Implants Description:

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

Indications:

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

Drilling features:

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

Available with:

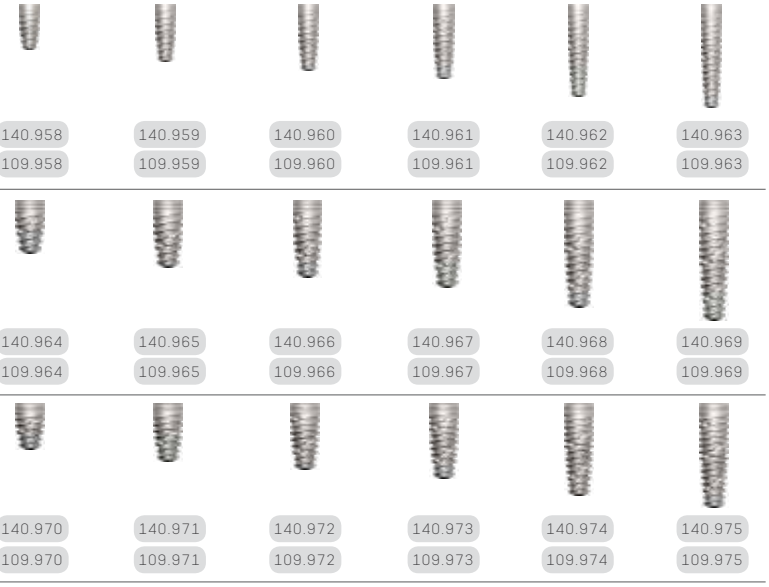
NeoPoros or acqua®

Drill Sequence

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

Bone types III and IV

Drive **GM®** Implants



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

GM Healing Abutment

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

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

GM Cover Screw

0 mm	2 mm
117.021	117.022

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

GM Customizable Healing Abutments

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

Titamax **GM®**

PRODUCT FEATURES:

Implants Description:

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

Indications:

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

Drilling features:

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

Available with:

NeoPoros or acqua®

Drill Sequence

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

Bone types I and II

Titamax **GM®** Implants

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

GM Healing Abutment

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

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

GM Customizable Healing Abutments

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

GM Cover Screw

0 mm	2 mm
117.021	117.022

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

GM Abutment

Single-unit screw-retained prosthesis

Recommended in posterior area.

Exact

Unlocking feature

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

GM Exact Abutment 1

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

GM Abutment Impression Coping Closed Tray 2

108.179

or

Neo Abutment Titanium Coping 1

118.300 116.267 Neotorque*
116.266 Titanium

Neo Abutment Protection Cylinder 2

106.221

Abutment Analog

101.076 Conventional
101.101 Hybrid Repositionable (conventional/digital)

or

Neo Abutment CoCr Coping 1

118.299 116.267 Neotorque*
116.266 Titanium

Neo Abutment Burn-out Coping 1

118.298 116.267 Neotorque*
116.266 Titanium

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

1

Neo Screwdriver Torque Connection

+

Torque Wrench

2

Neo Screwdriver Torque Connection

+

Manual Screwdriver Torque

GM Mini Conical Abutment

Multiple-unit screw-retained prosthesis

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

GM Mini Conical Abutment ①

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

or

GM Exact Mini Conical Abutment 17°/30° ②

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

Slim Mini Conical Abutment Open Tray Impression Coping ③

108.176

Neo Mini Conical Abutment Titanium Coping ②

118.302 116.270 Neotorque*

116.269 Titanium

or

Neo Mini Conical Abutment Protection Cylinder ③

106.220

Mini Conical Abutment Analog

101.020 Conventional

101.092 Hybrid Repositionable (conventional/digital)

Neo Mini Conical Abutment CoCr Coping ②

118.303 116.270 Neotorque*

116.269 Titanium

or

Neo Mini Conical Abutment Burn-out Coping ②

118.301 116.270 Neotorque*

116.269 Titanium

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

① Hexagonal Prosthetic Driver + Torque Wrench

② Neo Screwdriver Torque Connection + Torque Wrench

③ Neo Screwdriver Torque Connection + Manual Screwdriver Torque

GM Micro Abutment

Recommended for limited spaces and narrow inter-dental spaces.

Single-unit screw-retained prosthesis

OR

Multiple-unit screw-retained prosthesis

Consider in addition 1.5 - 2.0 mm for the restorative material

Minimum interocclusal space of 3.5 mm from the mucosa level

Accessories

Micro Abutment
Polishing Protector

Bridge 123.015

Installation Sequence

1 GM Micro Abutment

32 N.cm

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

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

108.182 108.178

2 Neo Micro Abutment
Titanium Coping

10 N.cm

Bridge	118.297	116.270	Neotorque*
Crown	118.317	116.269	Titanium

or

3 Neo Micro Abutment
Protection Cylinder

106.219

Micro Abutment Analog

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

2 Neo Micro Abutment
CoCr Coping

10 N.cm

Bridge	118.296	116.270	Neotorque*
Crown	118.316	116.269	Titanium

or

2 Neo Micro Abutment
Burn-out Coping

10 N.cm

Bridge	118.295	116.270	Neotorque*
Crown	118.315	116.269	Titanium

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

1 Hexagonal Prosthetic Driver + Torque Wrench

2 Neo Screwdriver Torque Connection + Torque Wrench

3 Neo Screwdriver Torque Connection + Manual Screwdriver Torque

GM Anatomic Abutment

Single-unit cement-retained prosthesis

Recommended for anterior region.

Consider in addition 1.5 - 2.0 mm for the restorative material

Minimum interocclusal space of 4.9 mm from the mucosa level

Installation Sequence

GM Exact Click Anatomic Abutment [1]

1.5 mm 114.752 | 2.5 mm 114.753 | 3.5 mm 114.754

or

GM Exact Click Anatomic Abutment 17° [1]

1.5 mm 114.755 | 2.5 mm 114.756 | 3.5 mm 114.757

or

GM Exact Click Narrow Anatomic Abutment [1]

1.5 mm 114.758 | 2.5 mm 114.759 | 3.5 mm 114.760

or

GM Exact Click Narrow Anatomic Abutment 17° [1]

1.5 mm 114.761 | 2.5 mm 114.762 | 3.5 mm 114.763

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 5.0/6.0 101.074 | 101.075 Conventional

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)

Lab stage

Finalized prosthesis

[1]

Neo Screwdriver Torque Connection + Torque Wrench

[2]

Neo Screwdriver Torque Connection + Manual Screwdriver Torque

GM Universal Abutment

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

1

GM Exact Click
Universal Abutment

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

or

1

GM Exact Click
Universal Abutment 17°

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

or

1

GM Exact Click
Universal Abutment 30°

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

Click Universal Abutment
Impression Coping

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

Click Universal Abutment
Provisional Coping

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

Universal Abutment Analog

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

Universal Abutment
Burn-out Coping

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

1

Neo Screwdriver
Torque Connection

+

Torque Wrench

GM Titanium Base

With removable screw.

Single-unit screw-retained prosthesis

OR

Single-unit cement-retained prosthesis

Consider in addition 1.5 - 2.0 mm for the restorative material

Minimum interocclusal space of 4.9 mm from the mucosa level

Accessories

Replacement Sterile Screws

Neotorque* 116.285

Titanium 116.286

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

Workflow Options

Intraoral

GM Implant Intraoral Scanbody ②

108.183

GM Implant Analog

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

GM Exact Titanium Base ①

	0.8 mm	1.5 mm	2.5 mm
Ø 3.5	135.260	135.261	135.262
Ø 4.5	135.272	135.273	135.274
Ø 5.5	135.284	135.285	135.286
Ø 6.5		135.319	135.320

	3.5 mm	4.5 mm
Ø 3.5	135.263	135.264
Ø 4.5	135.275	135.276
Ø 5.5	135.287	135.288
Ø 6.5	135.321	135.322

4 mm

① Neo Screwdriver Torque Connection + Torque Wrench

② Neo Screwdriver Torque Connection + Manual Screwdriver Torque

Model Scanning

GM Implant Exact Impression Coping ② Closed and Open Tray

Regular	108.160	108.162	Regular
Long	108.161	108.163	Long

GM Implant Analog

Ø 5.0/6.0		
101.074	101.075	Conventional

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

GM Exact Implant Scanbody ②

108.181

GM Exact Titanium Base ①

6 mm

	0.8 mm	1.5 mm	2.5 mm	
	135.266	135.267	135.268	Ø 3.5
	135.278	135.279	135.280	Ø 4.5
	135.290	135.291	135.292	Ø 5.5
		135.323	135.324	Ø 6.5

3.5 mm	4.5 mm	
135.269	135.270	Ø 3.5
135.281	135.282	Ø 4.5
135.293	135.294	Ø 5.5
135.325	135.326	Ø 6.5

Conventional

GM Implant Exact Impression Coping ② Closed and Open Tray

Regular	108.160	108.162	Regular
Long	108.161	108.163	Long

GM Implant Analog

Ø 5.0/6.0		
101.074	101.075	Conventional

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

GM Titanium Base Burn-out Coping

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

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

GM Implant
Intraoral Scanbody ②

108.183

GM Implant Analog

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

Model Scanning

GM Implant Exact Impression Coping
Closed and Open Tray

Regular	108.160	108.162	Regular
Long	108.161	108.163	Long

GM Implant Analog

Ø 5.0/6.0		
101.074	101.075	Conventional

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

GM Exact Implant Scanbody ②

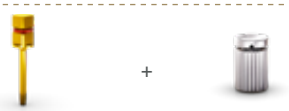
108.181

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

① Neo Screwdriver Torque Connection + Torque Wrench

② Neo Screwdriver Torque Connection + Manual Screwdriver Torque



GM Titanium Base Angled Solution (AS)

With removable screw.

Single-unit screw-retained prosthesis

OR

Single-unit cement-retained prosthesis

Accessories

Replacement Sterile Screws

116.288 Screw for GM Titanium Base AS

Workflow Options

Intraoral

GM Implant Intraoral Scanbody ②

108.183

GM Implant Analog

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

Model Scanning

GM Implant Exact Impression Coping Closed and Open Tray

Regular	108.160	108.162	Regular
Long	108.161	108.163	Long

GM Implant Analog

Ø 5.0/6.0		
101.074	101.075	Conventional

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

GM Exact Implant Scanbody ②

108.181

GM Titanium Base Angled Solution (AS) ①

4 mm

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

6 mm

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

①

Short	105.150
Regular	105.151
Long	105.152

Angled Solution Screwdriver for Torque Wrench

+

Torque Wrench

or

Short	105.147
Regular	105.148
Long	105.149

Angled Solution Screwdriver for Contra-angle

+

Contra-angle

②

Neo Screwdriver Torque Connection

+

Manual Screwdriver Torque

Titanium Base C for GM

With removable screw.

Single-unit screw-retained prosthesis

OR

Single-unit cement-retained prosthesis

Accessories

Replacement Sterile Screws

Neotorque* 116.285

Titanium 116.286

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

Installation Sequence

	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

Titanium Base C for GM Exact

Intraoral Scanning with scanbodies provided by Dentsply Sirona

Finalized Prosthesis

1

Neo Screwdriver Torque Connection

+

Torque Wrench

Workflow

Step 1

Gingiva height selection and ordering.

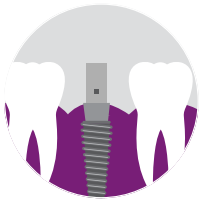
Select the Titanium Base C for GM Exact gingival height.

Order the Titanium Base C for GM Exact.

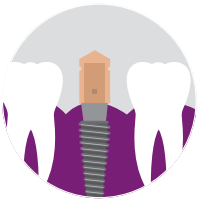
Please note that the scanbody has to be purchased directy from equipment manufacturer.

Step 2

Intra-oral scanning.



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



Insert scanbody on the Titanium Base C for GM Exact.

Step 3

Design and milling.

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

Mill the digital design.

CEREC digital library compatibility

Library	*Sirona's Products*				*Compatible with implant System*	
Ti-base	Scanbody	REF Scanbody Omnicam	REF Scanbody Bluecam / Ineos	Griding block	Implant manufacturer	Implant system
NBB 3.4 L	L	6431311	6431295	inCoris ZI meso L	Neodent®	GM, CM, HE, IIPluss
NB A 4.5 L						
SSO 3.5 L						
S BL 3.3 L						
S BL 4.1 L						
BO 3.4 L						

Step 4

Finalization and fixation.

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

GM Titanium Block for MEDENTiKA Holder

Screw sold separately.

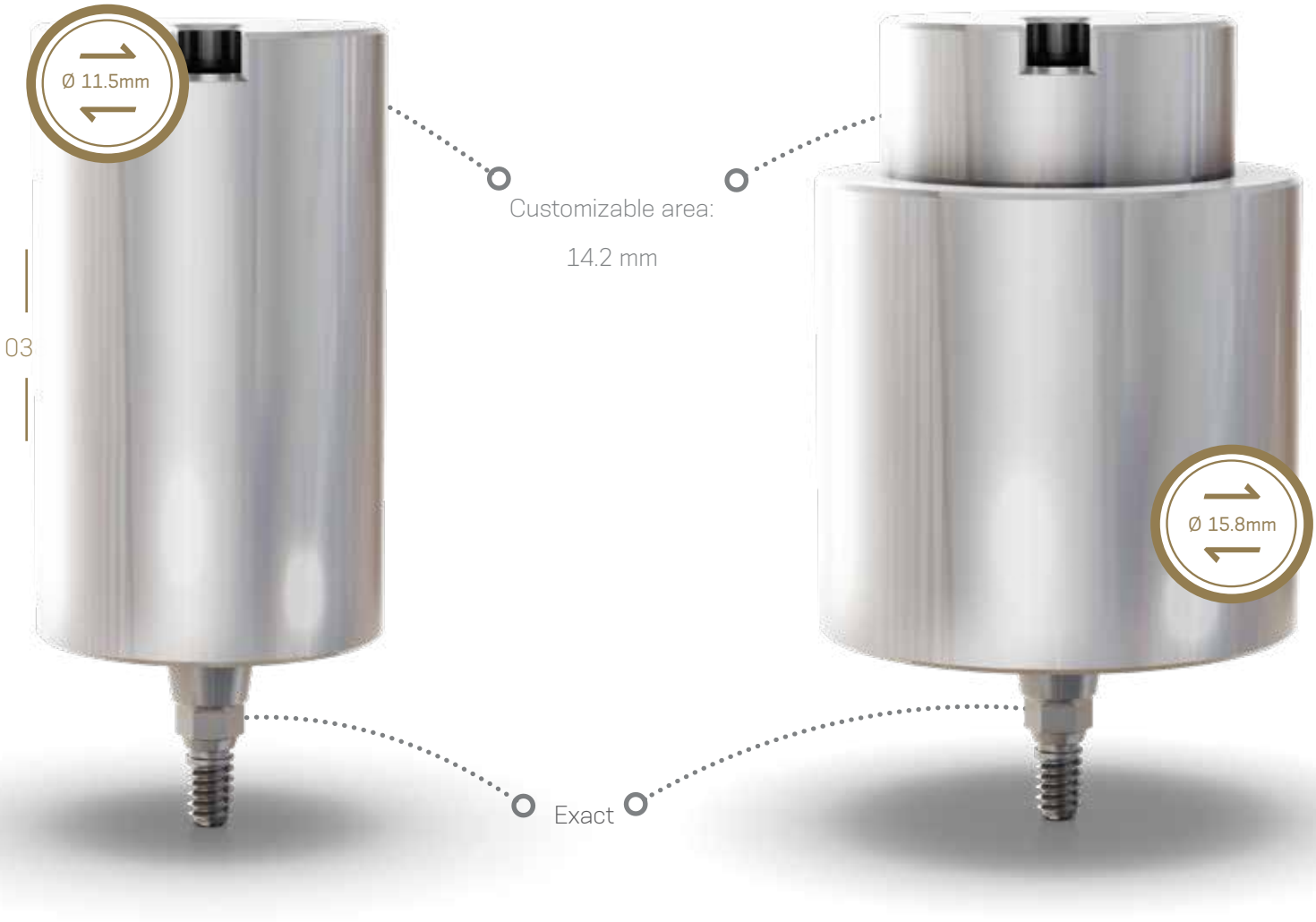
Single-unit screw-retained prosthesis

OR

Single-unit cement-retained prosthesis

OR

Multiple-unit cement-retained prosthesis



Consider in addition 1.5 - 2.0 mm for the restorative material

Minimum interocclusal space of 4.9 mm from the mucosa level

Accessories

Sterile Screws
sold separately

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

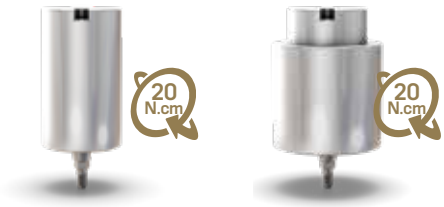
GM Implant Intraoral Scanbody (2)

108.183

GM Implant Analog

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

GM Exact Titanium Block (1)



MEDENTiKA Holder

Ø 11.5 mm	Ø 15.8 mm
135.252	135.253

Finalized Prosthesis with CADCAM process

Semi Digital Workflow

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

Regular	108.162	108.160
Long	108.163	108.161

GM Implant Analog

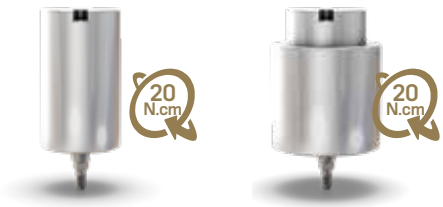
Ø 5.0/6.0		
101.074	101.075	Conventional

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

GM Implant Scanbody (2)

108.181

GM Exact Titanium Block (1)



MEDENTiKA Holder

Ø 11.5 mm	Ø 15.8 mm
135.252	135.253

Finalized Prosthesis with CADCAM process

(1) Neo Screwdriver Torque Connection + Torque Wrench

(2) Neo Screwdriver Torque Connection + Manual Screwdriver Torque

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

GM Implant Intraoral Scanbody (2)

108.183

GM Implant Analog

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

GM Exact Titanium Block (1)

Amann Girrbach Holder

Ø 12.0 mm

135.226

Finalized Prosthesis with CADCAM process

Semi Digital Workflow

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

Regular	108.162	108.160
Long	108.163	108.161

GM Implant Analog

Ø 5.0/6.0		
101.074	101.075	Conventional

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

GM Implant Scanbody (2)

108.181

GM Exact Titanium Block (1)

Amann Girrbach Holder

Ø 12.0 mm

135.226

Finalized Prosthesis with CADCAM process

(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 leve.

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	Ø 4.0 / 4.3	Ø 5.0 / 6.0
118.309	118.310	118.311

Installation Sequence

GM Implant Exact Impression Coping
Closed and Open Tray ②

Regular 108.160
Long 108.161

108.162 Regular
108.163 Long

or

GM Pro Peek Abutment ①

GM Healing for CoCr Abutment ②

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

GM Implant Analog

GM Exact CoCr Abutment ①

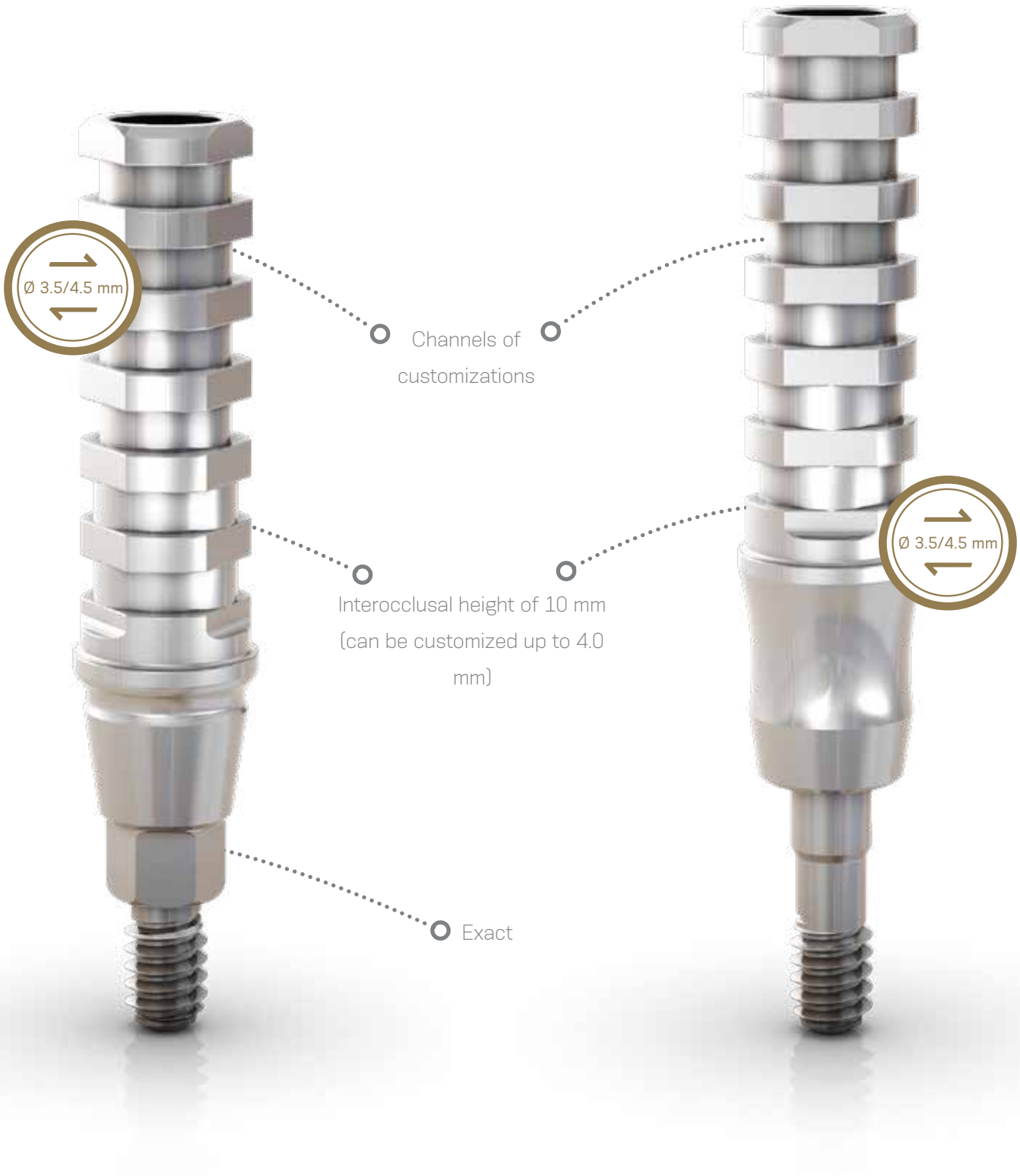
① Neo Screwdriver Torque Connection + Torque Wrench

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

Temporary Prostheses



Consider in addition 1.5 - 2.0 mm for the restorative material

Installation Sequence

1

GM Temporary Abutment
for Crown

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

1

GM Temporary Abutment
for Bridge

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

Customization

Temporary
Prosthesis

1

Neo Screwdriver
Torque Connection

+

Torque Wrench

GM Pro Peek Abutment

Temporary prosthesis

Biocompatible Peek of easy customization

Consider in addition 1.5 - 2.0 mm for the restorative material

Installation Sequence

1

GM Pro Peek Abutment

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

In mouth customization

1

Neo Screwdriver
Torque Connection

+

Torque Wrench

GM Novaloc

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 Analogs
2010.731-STM

Mounting and Demounting Tool for Retention Inserts
2010.741-STM

Installation Sequence

GM Novaloc 1

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

or

GM Novaloc 15° 1

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

Forming/Fixing Matrix

4 Units

2010.722-STM

Attachment Analog

2010.721-STM

Attachment Analog 15°

2010.720-STM

1

Neo Screwdriver
Torque Connection

+

Torque Wrench

Mounting Collar

2010.724-STM

Matrix Housing
(including Processing Spacer)

2010.703-STM With attachment

2010.701-STM Titanium

2010.702-STM PEEK

Retention Insert

2010.710-STM Red (approx. 300 g)

2010.711-STM White (approx. 750 g)

2010.712-STM Yellow (approx. 1200 g)

2010.713-STM Green (approx. 1650 g)

2010.714-STM Blue (approx. 2100 g)

2010.715-STM Black (approx. 2550 g)

Measurements GM Mini Conical Abutment

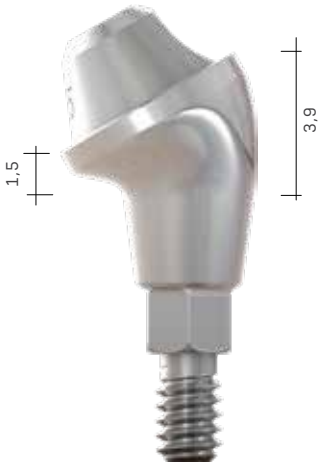
17°

115.249

115.250

115.251

30°



115.252

115.253

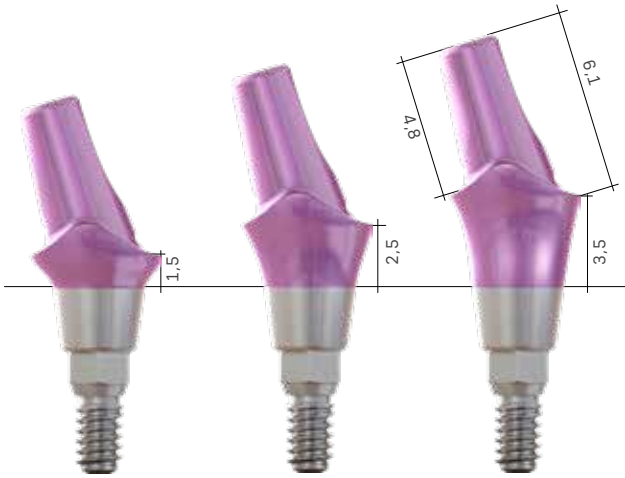
115.254

Measurements GM Anatomic Abutment

Narrow Anatomic Abutment

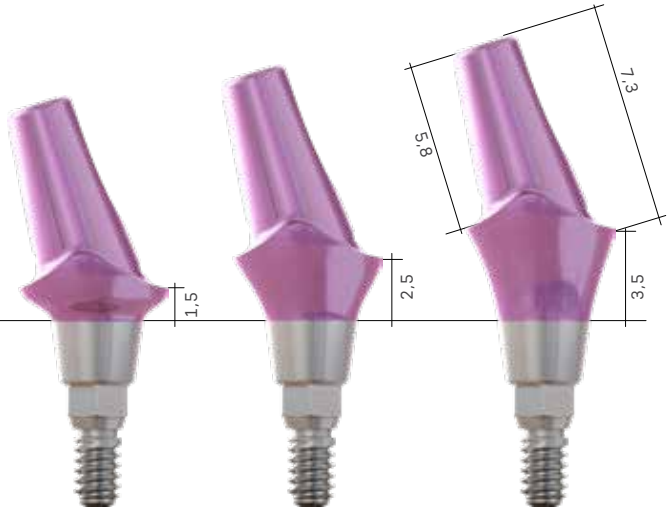
Anatomic Abutment

Narrow Anatomic Abutment 17°



114.761 114.762 114.763

Anatomic Abutment 17°



114.755 114.756 114.757

Measurements GM Universal Abutment

17°

4 mm chimney height

Ø 3.3 / 17°

114.542 114.543 114.544

4 mm chimney height

Ø 4.5 / 17°

114.548 114.549 114.550

6 mm chimney height

Ø 3.3 / 17°

114.545 114.546 114.547

6 mm chimney height

Ø 4.5 / 17°

114.551 114.552 114.553

30°

4 mm chimney height

Ø 3.3 / 30°

114.554 114.555 114.556

4 mm chimney height

Ø 4.5 / 30°

114.560 114.561 114.562

6 mm chimney height

Ø 3.3 / 30°

114.557 114.558 114.559

6 mm chimney height

Ø 4.5 / 30°

114.563 114.564 114.565

Grand Morse® **Kits**

Grand Morse® Surgical Kit

Autoclavable polymer case.
The Kit presents two compositions:
- Complete: for Helix GM®, Drive GM® and Titamax GM® implants;
- Helix®: for Helix GM® implants.

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

Articles

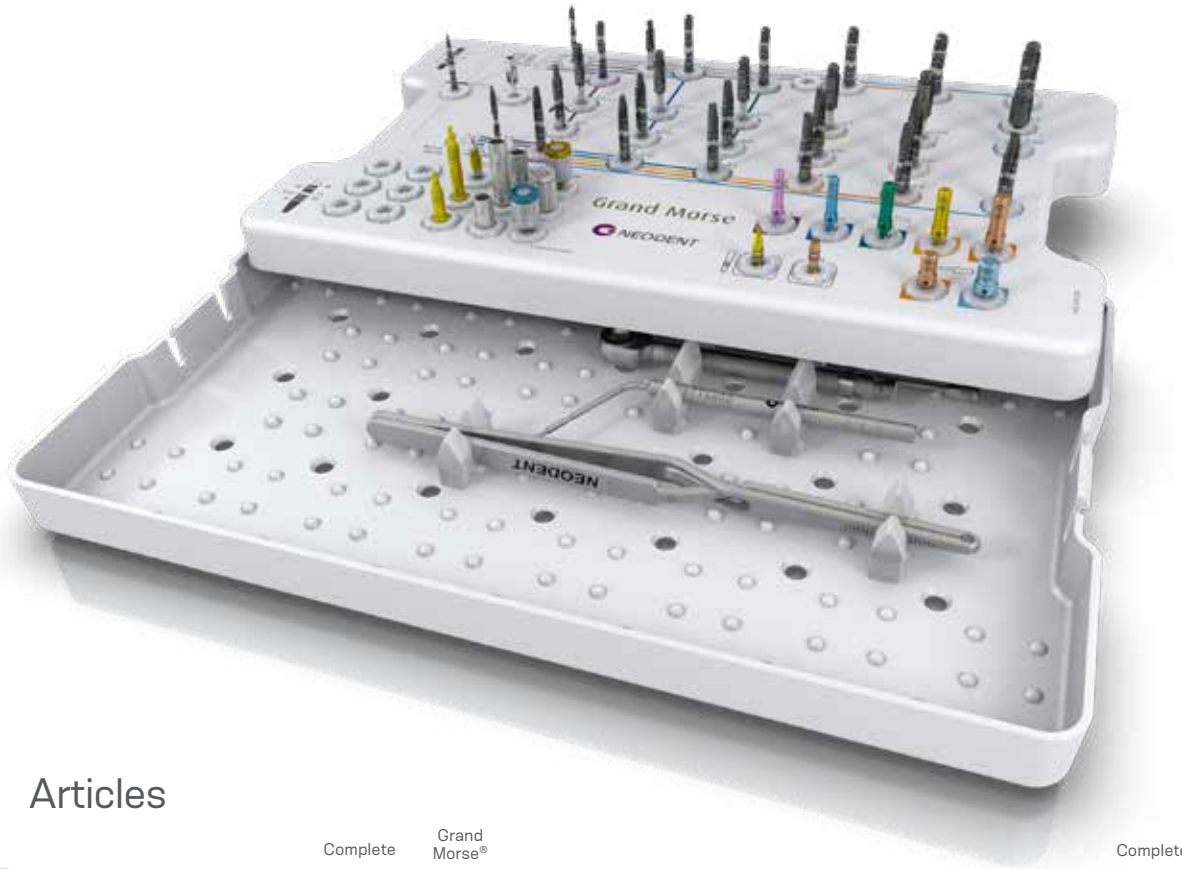
		Complete	Helix®
110.288	GM Surgical Kit Case	✓	✓
103.162	Twist Drill 2.0 Plus	✓	
103.213	Pilot Dril 2.0/3.0 Plus	✓	
103.164	Twist Drill 3.0 Plus	✓	
103.166	Twist Drill 3.3 Plus	✓	
103.167	Twist Drill 3.8 Plus	✓	
103.168	Twist Drill 4.3 Plus	✓	
103.163	Twist Drill 2.8 Plus	✓	
103.170	Initial Drill Plus	✓	✓
103.414	Pilot Drill GM 2.8/3.5	✓	✓
103.415	Pilot Drill GM 3.0/3.75	✓	✓
103.416	Pilot Drill GM 3.3/4.0	✓	✓
103.417	Pilot Drill GM 4.3	✓	✓
103.418	Pilot Drill GM 4.3/5.0	✓	✓
103.419	Tapered Contour Drill 3.5	✓	✓
103.420	Tapered Contour Drill 3.75	✓	✓
103.421	Tapered Contour Drill 4.0	✓	✓
103.422	Tapered Contour Drill 4.3	✓	✓
103.423	Tapered Contour Drill 5.0	✓	✓
103.425	Tapered Drill 2.0	✓	✓

		Complete	Helix®
103.399	Tapered Drill 3.5	✓	✓
103.402	Tapered Drill 3.75	✓	✓
103.405	Tapered Drill 4.0	✓	✓
103.408	Tapered Drill 4.3	✓	✓
103.411	Tapered Drill 5.0	✓	✓
103.427	Tapered Drill 6.0	✓	✓
105.131	GM Implant Driver - Contra-Angle	✓	✓
104.060	Neo Screwdriver (Medium)	✓	✓
105.130	GM Implant Driver - Torque Wrench (Long)	✓	✓
104.028	Manual Implant Driver - Contra-Angle	✓	✓
105.129	GM Implant Driver - Torque Wrench (Short)	✓	✓
128.019	Direction Indicator 2.8/3.5	✓	✓
128.020	Direction Indicator 3.0/3.75	✓	✓
128.021	Direction Indicator 3.3/4.0	✓	✓
128.022	Direction Indicator 3.6/4.3	✓	✓
128.023	Direction Indicator 4.3/5.0	✓	✓
128.028	Height Measurer GM	✓	✓
129.004	Depth Probe	✓	✓
129.001	Titanium Tweezers	✓	✓
104.050	Torque Wrench	✓	✓
103.426	Drill Extension	✓	✓

Note: Items that compose Neodent® Kits are sold separately.
*Available from October 2019.

Grand Morse® and WS Surgical Kit

Autoclavable polymer case.
The Kit allows the use of:
- Grand Morse®: for Helix GM®, Drive GM® and Titamax GM® Implants;
- Complete: for Grand Morse® and WS Implants.



Articles

		Complete	Grand Morse®
110.287	GM/WS Surgical Kit Case	✓	✓
103.162	Twist Drill 2.0 Plus	✓	✓
103.213	Pilot Dril 2.0/3.0 Plus	✓	✓
103.164	Twist Drill 3.0 Plus	✓	✓
103.166	Twist Drill 3.3 Plus	✓	✓
103.415	GM Pilot Drill 3.0/3.75	✓	✓
103.167	Twist Drill 3.8 Plus	✓	✓
103.168	Twist Drill 4.3 Plus	✓	✓
103.215	Pilot Drill 4.3/5.3 Plus	✓	
103.163	Twist Drill 2.8 Plus	✓	✓
103.169	Twist Drill 5.3 Plus	✓	
103.170	Initial Drill Plus	✓	✓
103.414	Pilot Drill GM 2.8/3.5	✓	✓
103.416	Pilot Drill GM 3.3/4.0	✓	✓
103.417	Pilot Drill GM 4.3	✓	✓
103.418	Pilot Drill GM 4.3/5.0	✓	✓
103.221	Pilot Drill CM 5.3/6.0 Plus	✓	
103.419	Tapered Contour Drill 3.5	✓	✓
103.420	Tapered Contour Drill 3.75	✓	✓
103.421	Tapered Contour Drill 4.0	✓	✓
103.422	Tapered Contour Drill 4.3	✓	✓
103.423	Tapered Contour Drill 5.0	✓	✓
103.425	Tapered Drill 2.0	✓	✓
103.399	Tapered Drill 3.5	✓	✓
128.029	WS Height Measurer	✓	

		Complete	Grand Morse®
103.402	Tapered Drill 3.75	✓	✓
103.405	Tapered Drill 4.0	✓	✓
103.408	Tapered Drill 4.3	✓	✓
103.411	Tapered Drill 5.0	✓	✓
103.427	Tapered Drill 6.0		✓
105.131	GM Implant Driver - Contra-Angle	✓	✓
105.002	Smart/WS Implant Driver - Contra-Angle	✓	
104.060	Neo Screwdriver (Medium)	✓	✓
105.130	GM Implant Driver GM - Torque Wrench	✓	✓
105.018	Hex Connection - Torque Wrench (Long)	✓	
104.028	Manual Implant Driver - Contra-Angle	✓	✓
104.012	Manual Screwdriver (Medium)	✓	
105.129	GM Implant Driver GM - Torque Wrench	✓	✓
105.001	Smart/WS Implant Driver - Torque Wrench (Short)	✓	
128.019	Direction Indicator 2.8/3.5	✓	✓
128.020	Direction Indicator 3.0/3.75	✓	✓
128.021	Direction Indicator 3.3/4.0	✓	✓
128.022	Direction Indicator 3.6/4.3	✓	✓
128.023	Direction Indicator 4.3/5.0	✓	✓
128.024	WS Direction Indicator 4.3/5.0	✓	
128.025	WS Direction Indicator 5.3/6.0	✓	
128.028	GM Height Measurer	✓	✓
129.004	Depth Probe	✓	✓
129.001	Titanium Tweezers	✓	✓
104.050	Torque Wrench	✓	✓
103.426	Drill Extension	✓	✓

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

Helix GM® Compact Surgical Kit

Autoclavable polymer case.
The Kit allows the installation of Helix GM® Implants in all bone types.

To order the complete composition of the kit, with all instruments already assembled on the tray, use code 110.303*.

Articles

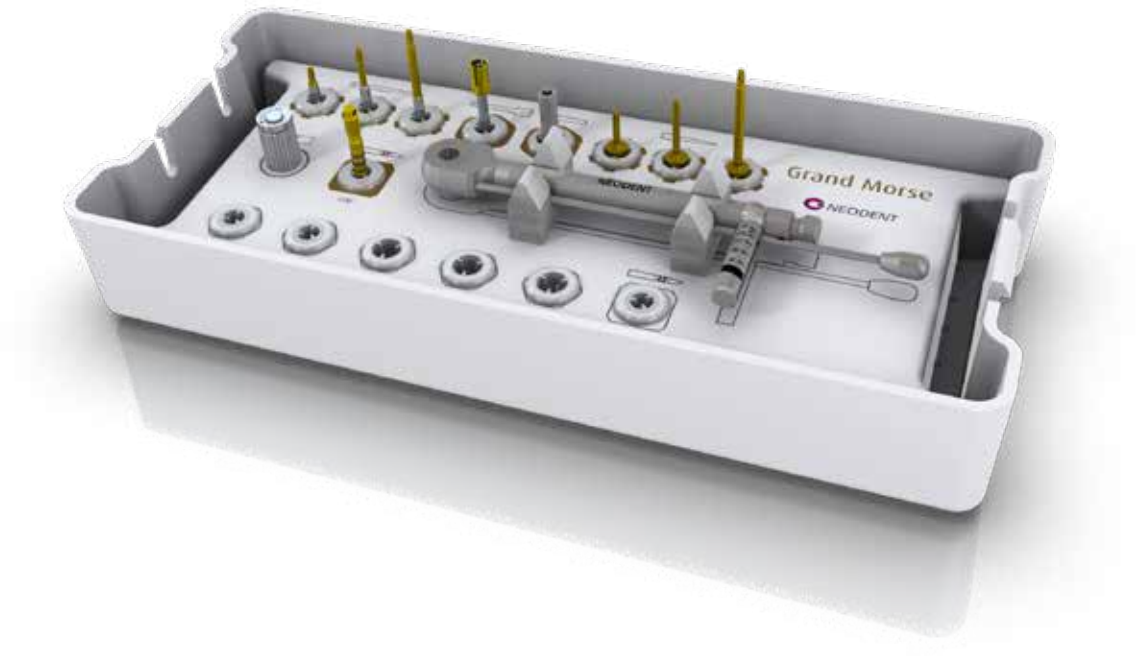
110.297	Helix GM® Compact Surgical Kit Case
103.170	Initial Drill
103.425	Tapered Drill 2.0
103.399	Tapered Drill 3.5
103.402	Tapered Drill 3.75
103.405	Tapered Drill 4.0
103.408	Tapered Drill 4.3
103.411	Tapered Drill 5.0
103.427	Tapered Drill 6.0
104.060	Neo Manual Screwdriver (Medium)
104.028	Manual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

Note: Items that compose Neodent® Kits are sold separately.
*Available from October 2019.

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.
*Available from October 2019.

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

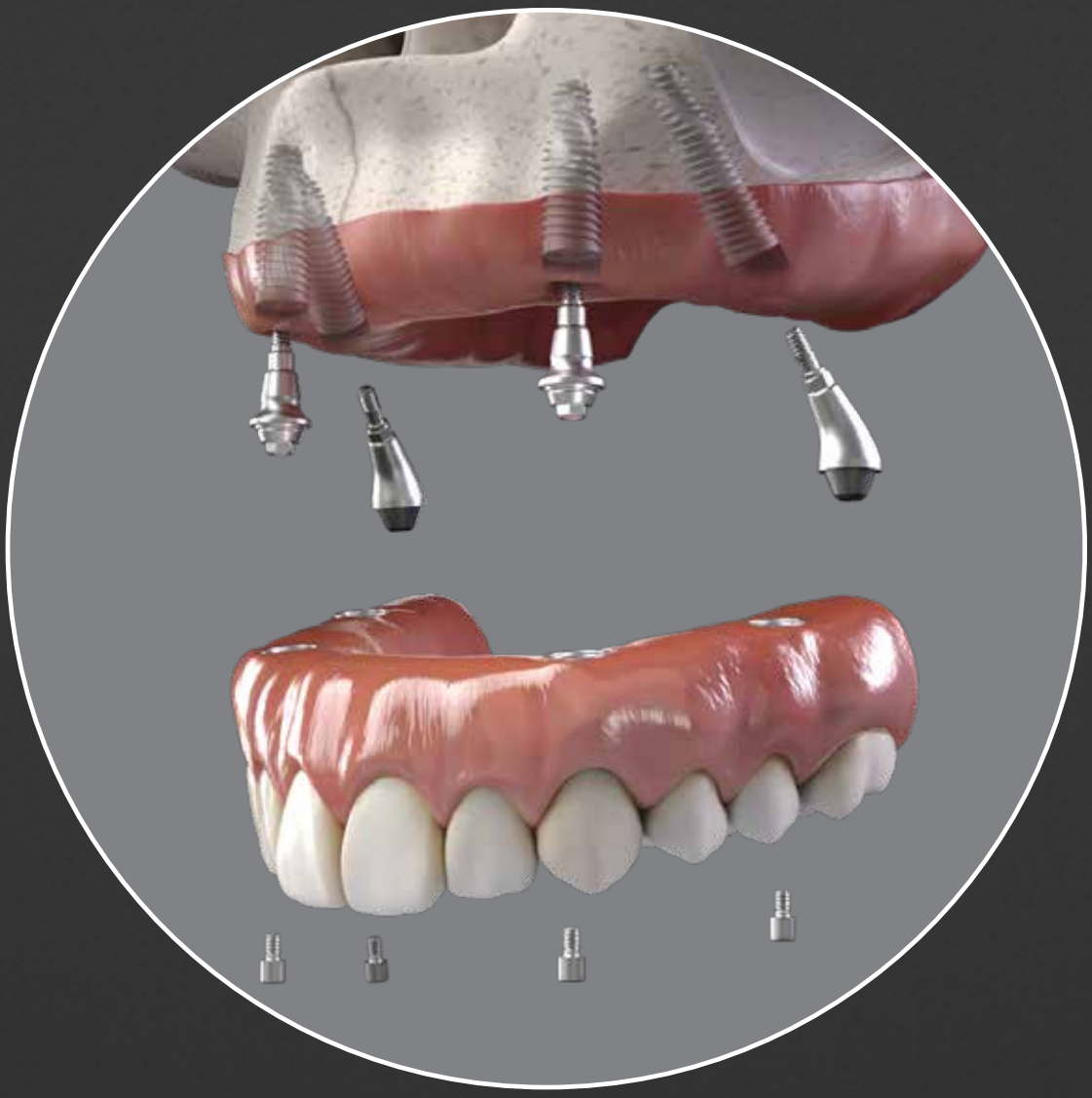
110.295	GM Try-In Kit Case
114.772	GM Abutment Try-In 3.3X6X0.8
114.773	GM Abutment Try-In 3.3X6X1.5
114.774	GM Abutment Try-In 3.3X6X2.5
114.775	GM Abutment Try-In 3.3X6X3.5
114.776	GM Abutment Try-In 3.3X6X4.5
114.777	GM Abutment Try-In 3.3X6X5.5
114.778	GM Abutment Try-In 4.5X6X0.8
114.779	GM Abutment 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.
*Available from October 2019.

A SMILE FOR **EVERYONE**

NEODENT® NEOARCH®
IMMEDIATE FIXED FULL-ARCH SOLUTION

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



Immediate function resulting in shorter treatment times.

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

Immediate natural-looking esthetics with versatile restorative options.

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

Immediate peace of mind thanks to a stable foundation.

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

SOLUTIONS FOR ALL CLINICAL NEEDS

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

Helix GM®

Helix GM® Long

Zygoma GM™

Helix **GM®** Long

PRODUCT FEATURES:

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

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

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

Available with:

NeoPoros®

Drill Sequence

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

Bone types III and IV

* 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	109.1044	109.1045
Ø 4.0				
	NeoPoros	109.1046	109.1047	109.1048

GM Healing Abutment

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

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

GM Customizable Healing Abutments

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

GM Cover Screw

0 mm	2 mm
117.021	117.022

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

Zygoma **GM™**

PRODUCT FEATURES:

Implants Description:
• Hybrid contour with a cylindrical coronal part and conical on the apical area;
• The apex has a conical profile with a spherical tip and three equally spaced helical flutes;
• Trapezoidal thread and progressive increase of the thread depth at the apical portion;
• Tissue Protect: portion 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:

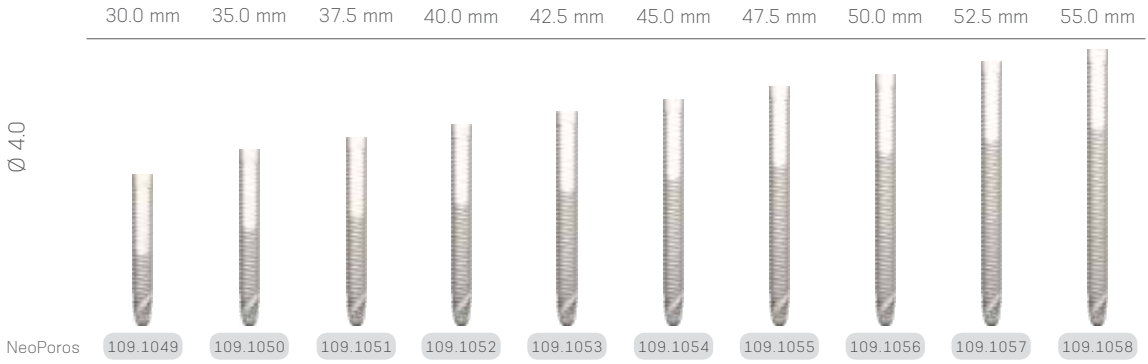
NeoPoros®

Drill Sequence

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

* Drill available for both conventional and Guided Surgery procedures.

Zygoma **GM™** Implants



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

GM Cover Screw

0 mm	2 mm
117.021	117.022

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

GM Mini Conical Abutment

Multiple-unit screw-retained prosthesis

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

GM Mini Conical Abutment ①

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

or

GM Exact Mini Conical Abutment 17°/30°/45° ②

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

Slim Mini Conical Abutment Open Tray Impression Coping ③

108.176

Neo Mini Conical Abutment Titanium Coping ②

118.302 116.270 Neotorque*
116.269 Titanium

or

Neo Mini Conical Abutment Protection Cylinder ③

106.220

Mini Conical Abutment Analog

101.020 Conventional
101.092 Hybrid Repositionable (conventional/digital)

Neo Mini Conical Abutment CoCr Coping ②

118.303 116.270 Neotorque*
116.269 Titanium

or

Neo Mini Conical Abutment Burn-out Coping ②

118.301 116.270 Neotorque*
116.269 Titanium

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

① Hexagonal Prosthetic Driver + Torque Wrench

② Neo Screwdriver Torque Connection + Torque Wrench

③ Neo Screwdriver Torque Connection + Manual Screwdriver Torque

Measurements GM Mini Conical Abutment

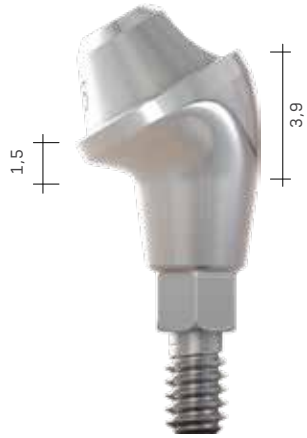
17°

115.249

115.250

115.251

30°



115.252

115.253

115.254

45°

115.267

115.268

Kits for NeoArch®

Helix GM® Long Compact Surgical Kit

Autoclavable polymer case.

Articles

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

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

Zygoma GM™ Surgical Kit

Autoclavable polymer case.

Articles

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

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

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

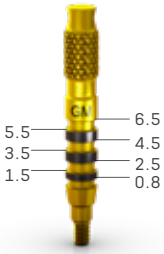
:: Available in titanium;
:: Instrument to guide the implant position;
:: Diameter of central band corresponds to GM Implant diameter;
:: Smaller side to be used after Ø2.0mm drill;
:: Larger side to be used after the last drill before implant installation.

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	Torque Wrench Connections
104.028	104.005

Neo Screwdriver Torque Connection - Torque Wrench

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

Short 16.5 mm	Medium 22 mm	Long 32 mm
105.133	105.132	105.134

Neo Screwdriver

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

Short 21 mm	Medium 25 mm	Long 37 mm
104.058	104.060	104.059

Neo Screwdriver Torque Connection - Contra-angle

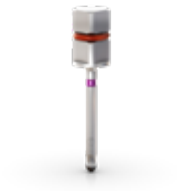
:: Available in surgical steel;
:: Yellow color for line identification;
:: Medium Neo Screwdriver Torque Connection - Contra-angle (105.136) recommended for Impression Copings and Copings for screw-retained prostheses.
:: Extra Short Neo Screwdriver Torque Connection - Contra-angle (105.146) recommended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

Extra Short 16.5 mm	Short 24 mm	Medium 31 mm
105.146	105.135	105.136

Hexagonal Prosthetic Driver

:: Available in surgical steel;
:: To install and apply torque over straight GM Mini Conical Abutments and GM Micro Abutments;
:: Yellow color for line identification;
:: Hexagonal Prosthetic Driver for Contra-angle: to install GM Mini Conical Abutment (straight).

Torque Wrench	Contra-angle
105.137	105.138



Angled Solution Screwdriver fo Torque Wrench

:: To place GM Titanium Bases for Angled Solution with torque wrench (104.050);
:: Maximum torque of 20 N.cm.

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

Angled Solution Screwdriver for Contra-angle

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

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

GM Bone Profile Drill with Guide

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

103.424

Angle Measurer for Drill 2.0

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

17°	30°
128.030	128.031

GM Angle Measurer

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

17°	30°	45°
128.032	128.033	128.034

Helix GM® Long Drill Guide for Guided Surgery

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

Ø 2.0/2.35	Ø 3.75/4.0
125.140	125.141

Zygoma GM™ Drill Guide for Guided Surgery

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

Ø 2.35
125.139

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

Neodent® Techniques

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.

Sleeves for Neodent® Guided Surgery System

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

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

NEODENT
GUIDED SURGERY

Grand Morse® Guided Surgery Surgical Kit

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

Articles

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

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

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 Helix GM® and 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;
:: Color-coded according to the sleeve diameter;
:: 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

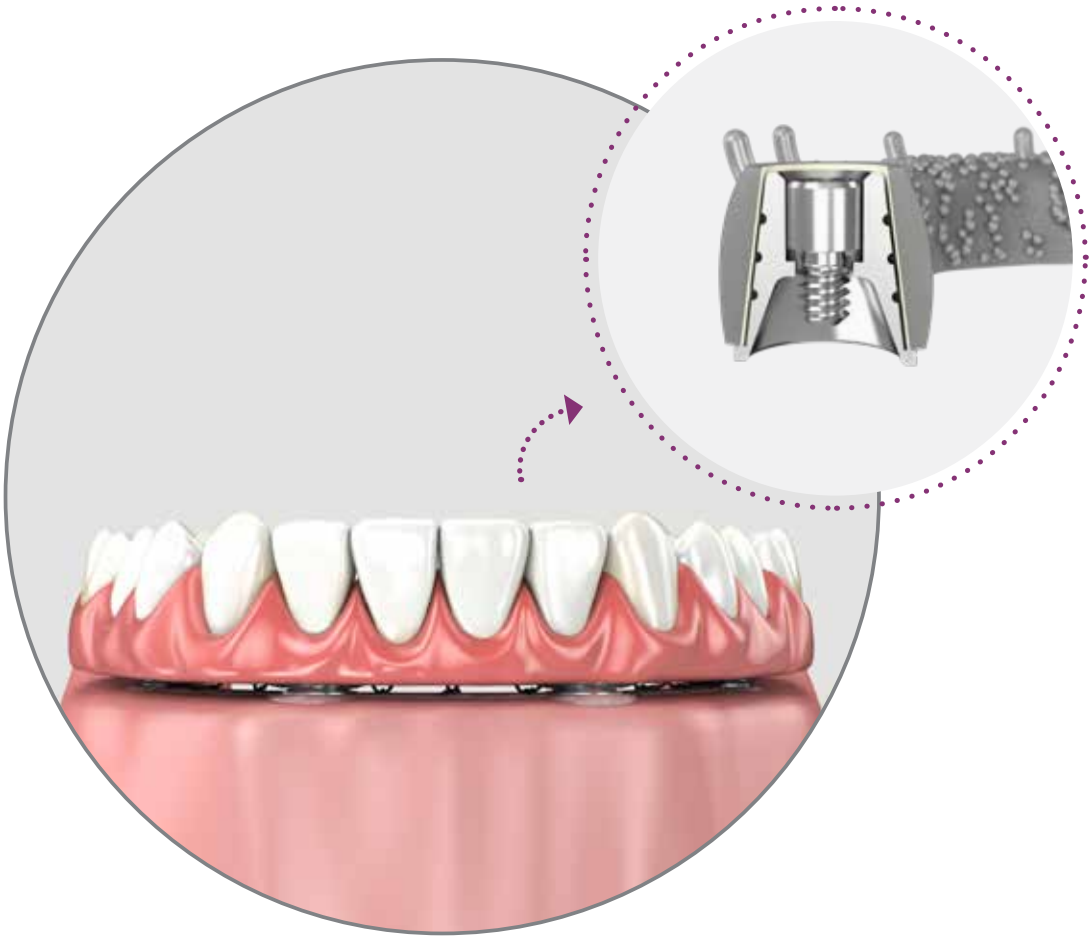
:: Use the Neo Screwdriver Torque Connection - Torque Wrench (105.132).

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

Working model with artificial gum.

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

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

Castable ring with waxed framework.

Cast framework.

Place the framework over the stone model.

Please note cementing area.

Cementing with Panavia the structure over the titanium copings.

Final inside-mouth view.

Distal Bar Technique

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

Neo Distal Bar Coping

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

118.308

Neo Distal Bar

:: Recommended for distal Implants to reinforce the cantilever.

125.116

Polishing Protector

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

123.008

Demonstration Sequence

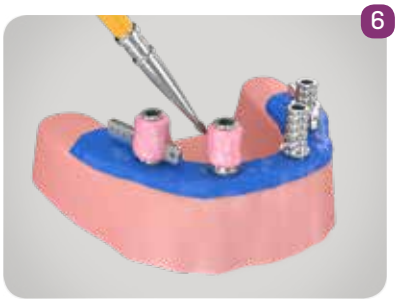
1 Neodent® Abutments placed.

2 Prosthesis wearing, keeping posterior region integrity.

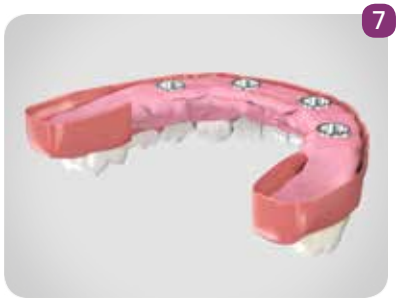
3 Place the copings into the central Implants and Distal Bar to distal Implants.

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

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



6 Apply selfpolymerizing acrylic resin on and between the copings.



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

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

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

10 Placed provisional implant supported prosthesis.

11 Final inside-mouth posterior view.

Digital Solutions

Neodent® Digital Libraries

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

Scanbody

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

108.183	GM Exact Implant Intraoral Scanbody
108.181	GM Exact Implant Scanbody (for model)
108.196	GM Mini Conical Abutment Scanbody
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

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.

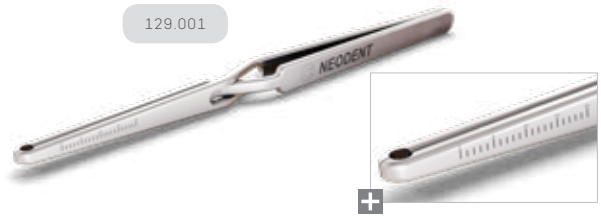
The wrench function works in both directions, by simply pulling and turning the driver's pin 180º. However, the torque measurements work only lockwise.

•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.

129.001



Depth Probe

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

129.004

7 and 9 mm Space Planning Instrument

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

128.026

Surgical Labial Retractor

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

124.001

Columbia Retractor

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

124.003

Scapel Handle

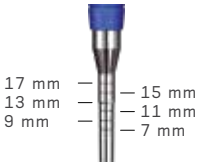
:: Available in surgical steel;
:: For standard scalpel blade use;
:: Blade not included.

129.008

Bivers Handle

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

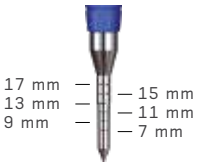
129.002



Concave Osteotome

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

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



Convex Osteotome

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

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

Osteotomes Kit Case

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

110.262

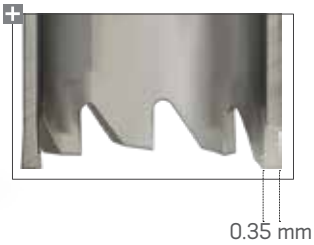
Surgical Hammer

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

126.001

Trephine Bur

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



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

Sinus Lift Curette

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

1	3	4	5	7
				
126.008	126.009	126.010	126.011	126.012

Complement Case

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

110.270

Disposable Bone Scraper

:: Used to remove autogenous bone;
:: Single use;
:: Supplied sterile.

127.023

Disposable Bone Collector

:: Available in polymer;
:: To collect autogenous bone;
:: Single use;
:: Adaptable to vacuum pump;
:: Includes two disposable sieves;
:: Use second tip for saliva suction (watch for contamination).

Collector	Sieve
107.003	107.008

Handle Implant Driver

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

104.047

Analog Handle

:: Used for tightening analogs and milling prosthetic abutments.

104.036

Prosthetic Surgical Guide

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

Guide	Pin
103.092	103.093

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