CATALOGUE 2018

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.

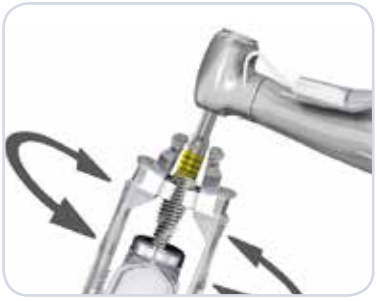
Package instruction of use

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

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.

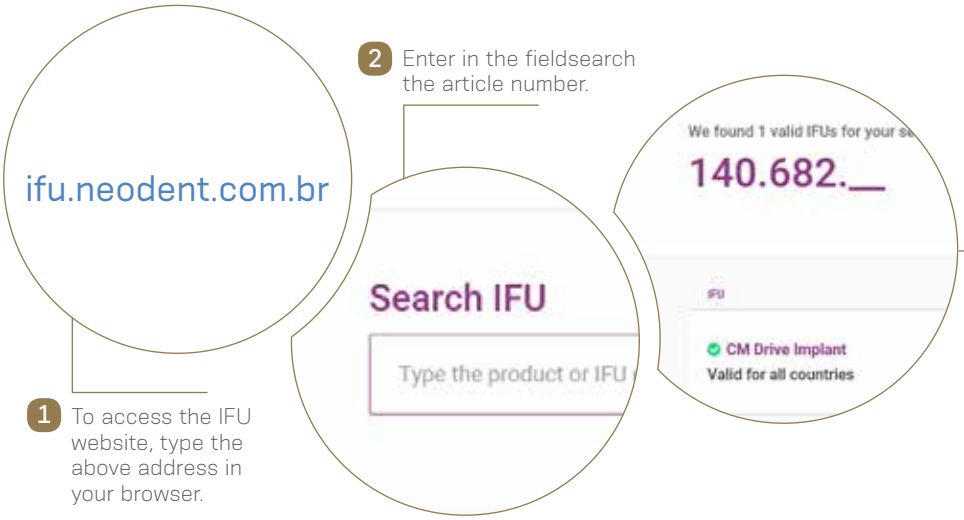
The implant can now be transported to the surgical site.

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

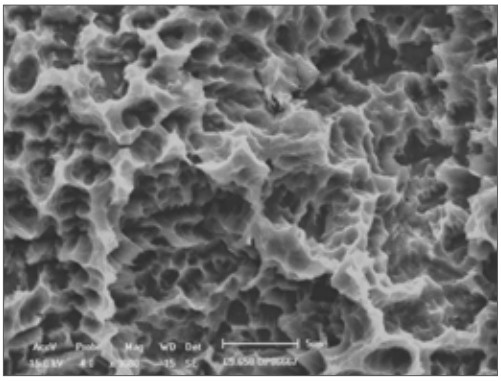
Constant evolution and safety guarantee.

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.

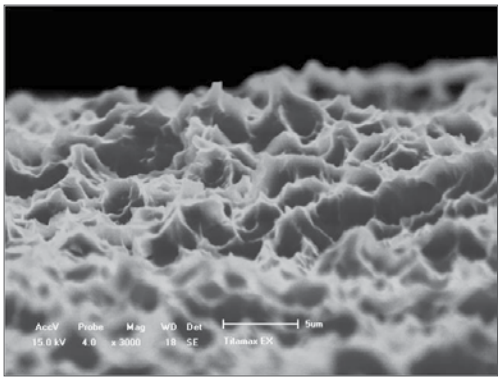
The whole process of obtaining this surface is guaranteed due to automated time, speed, pressure and particle size control.

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).

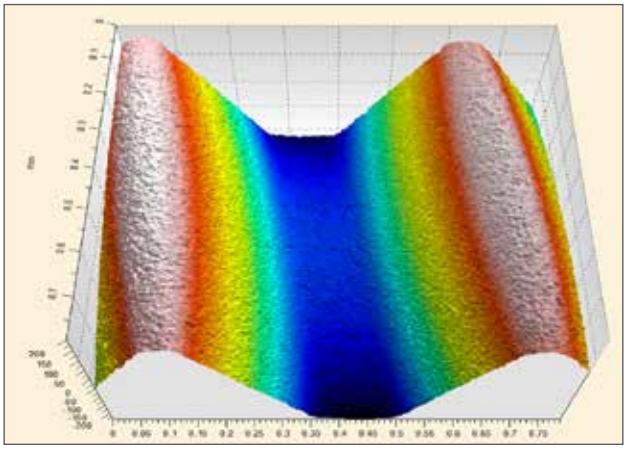


Image taken by confocal microscopy.
Roughness and Microtopography.
(Sa= 1,4 – 1,8 µm; Sz= 15 µm).

acqua®

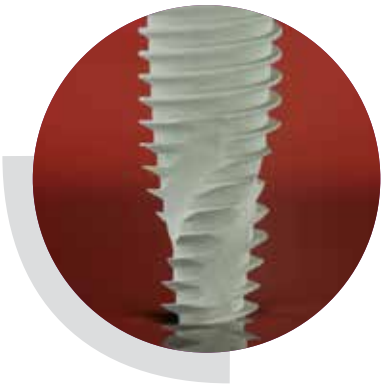
Surface
concept evolution

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.



Hydrophobic surface (conventional).

Hydrophilic surface Acqua®.

Hydrophilicity

The hydrophilic surface presents a smaller contact angle when in contact with liquids. This provides greater accessibility of organic fluids to Acqua® implant surface.[2]

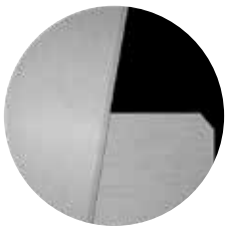
GRAND MORSE®

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.

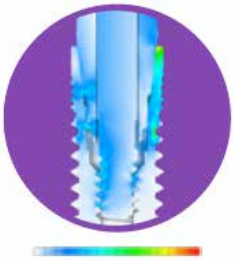
1
Internal Indexation
Precise abutment positioning, protection against rotation and easy handling.

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.

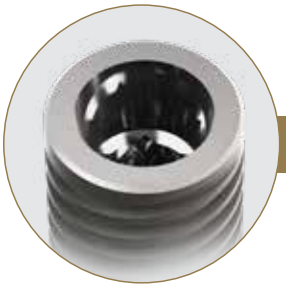
4
16° Morse Taper connection
Designed to ensure tight fit for an optimal connection sealing.



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® implant is a fully 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.



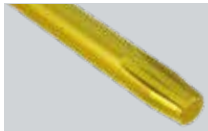
One Grand Morse® connection for all Grand Morse® implants

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

Pro-Peek Abutment	Titanium Base	Universal Abutment	Universal Abutment	GM Abutment	Angled Mini Conical Abutment
Temporary Single-unit	Single-unit				Multiple-unit
Screw/Cement-retained prosthesis		Cement-retained prosthesis		Screw-retained prosthesis	



Neo Screwdriver - 20 N.cm

Mini Conical Abutment	Micro Abutment
Multiple-unit	Single/Multiple-unit
Screw-retained prosthesis	

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 1-2 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
	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
Ø 3.5 mm	Optional	✓		✓	✓												
Ø 3.75 mm	Optional	✓	✓				✓	✓									
Ø 4.0 mm	Optional	✓	✓			✓				✓	✓						
Ø 4.3 mm	Optional	✓	✓			✓			✓				✓	✓			
Ø 5.0 mm	Optional	✓	✓			✓			Optional			✓				✓	✓

Bone types I and II

Ø 3.5 mm	Optional	✓	Optional														
Ø 3.75 mm	Optional	✓	✓			Optional											
Ø 4.0 mm	Optional	✓	✓			✓			Optional								
Ø 4.3 mm	Optional	✓	✓			✓						Optional					
Ø 5.0 mm	Optional	✓	✓									✓			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

GM Cover Screw

0 mm	2 mm
117.021	117.022

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

GM Healing Abutment

Gingival Height	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.

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 N.cm.

Available with:

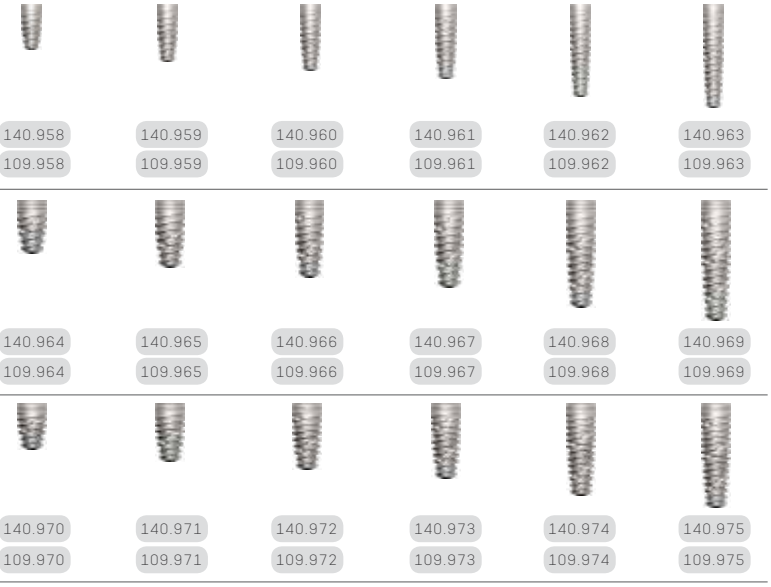
NeoPoros or acqua®

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 Cover Screw

0 mm	2 mm
117.021	117.022

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

GM Healing Abutment

Gingival Height	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.

Titamax **GM®**

PRODUCT FEATURES:

Implants Description:

- Cylindrical implant;
- 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 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 Cover Screw

0 mm	2 mm
117.021	117.022

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

GM Healing Abutment

Gingival Height	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 Abutment

Recommended in posterior area.

To install abutments and restorative copings, it is indicated to use the Torque Wrench.

Single-unit screw-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.

Exact

Unlocking feature

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 (1)

108.179

or

Neo Abutment Protection Cylinder (1)

106.221

Neo Abutment Titanium Coping (1)

118.300 116.267 Neotorque*
116.266 Titanium

Abutment Analog

101.076

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

or

Neo Screwdriver Torque Connection

+

Manual Screwdriver Torque

GM Mini Conical Abutment

To install abutments and restorative copings, it is indicated to use the Torque Wrench.

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.

Exact

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 ②

108.176

Neo Mini Conical Abutment Protection Cylinder ②

106.220

or

Neo Mini Conical Abutment Titanium Coping ②

118.302 116.270 Neotorque*
116.269 Titanium

Mini Conical Abutment Analog

101.020

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 or Neo Screwdriver Torque Connection + Manual Screwdriver Torque

GM Micro Abutment

Recommended for limited spaces and narrow inter-dental spaces.
To install abutments and restorative copings, it is indicated to use the Torque Wrench.

Accessories

CM Micro Conical Abutment Polishing Protector

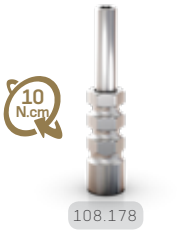
123.015

Installation Sequence

1 GM Micro Abutment

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

2 Micro Abutment Impression Coping Slim
Open Tray
For multiple-unit prosthesis



108.178

or

2 Micro Abutment Impression Coping
Closed Tray
For single-unit prosthesis

108.182

2 Neo Micro Abutment Protection Cylinder

106.219

2 Neo Micro Abutment Titanium Coping

Bridge	118.297	116.270	Neotorque*
Crown	118.317	116.269	Titanium

Micro Abutment Analog for Crown

101.078

2 Neo Micro Abutment CoCr Coping

Bridge	118.296	116.270	Neotorque*
Crown	118.316	116.269	Titanium

or

2 Neo Micro Abutment Burn-out Coping

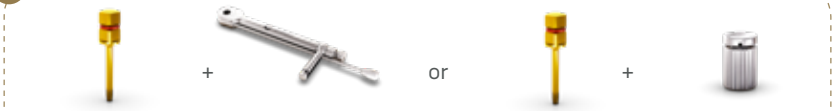
Bridge	118.295	116.270	Neotorque*
Crown	118.315	116.269	Titanium

*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 or Neo Screwdriver Torque Connection + Manual Screwdriver Torque

GM Universal Abutment

To install abutments, it is indicated to use the Torque Wrench.

Installation Sequence

GM Exact Click Universal Abutment (1)

or

GM Exact Click Universal Abutment 17º (1)

or

GM Exact Click Universal Abutment 30º (1)

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

		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

		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

Click Universal Abutment Analog

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

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)

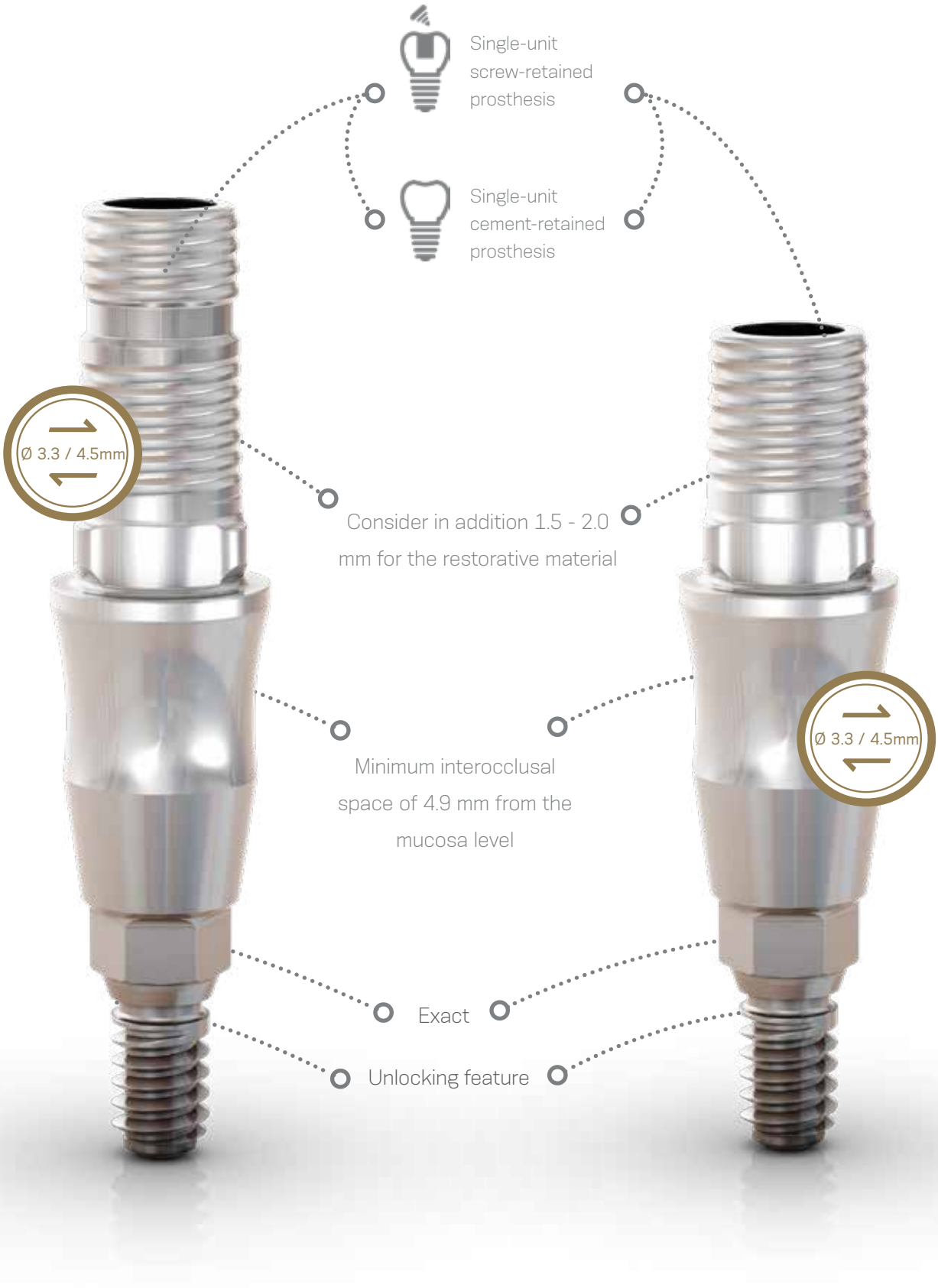
Neo Screwdriver Torque Connection

+

Torque Wrench

GM Titanium Base

Used in the digital workflow.
To install abutments, it is indicated to use the Torque Wrench.



Installation Sequence

1 GM Implant Exact Impression Coping
Closed and Open Tray

Regular 108.160
Long 108.161

108.162 Regular
108.163 Long

or

1 GM Pro Peek Abutment

1 GM Healing Abutment

GM Implant Analog

101.074

1

Neo Screwdriver Torque Connection

+

Torque Wrench

or

Neo Screwdriver Torque Connection

+

Manual Screwdriver Torque

1 GM Exact Implant Scanbody

108.181

1 GM Exact Titanium Base

		0.8 mm	1.5 mm	2.5 mm
4 mm	Ø 3.5	135.202	135.203	135.204
	Ø 4.5	135.214	135.215	135.216

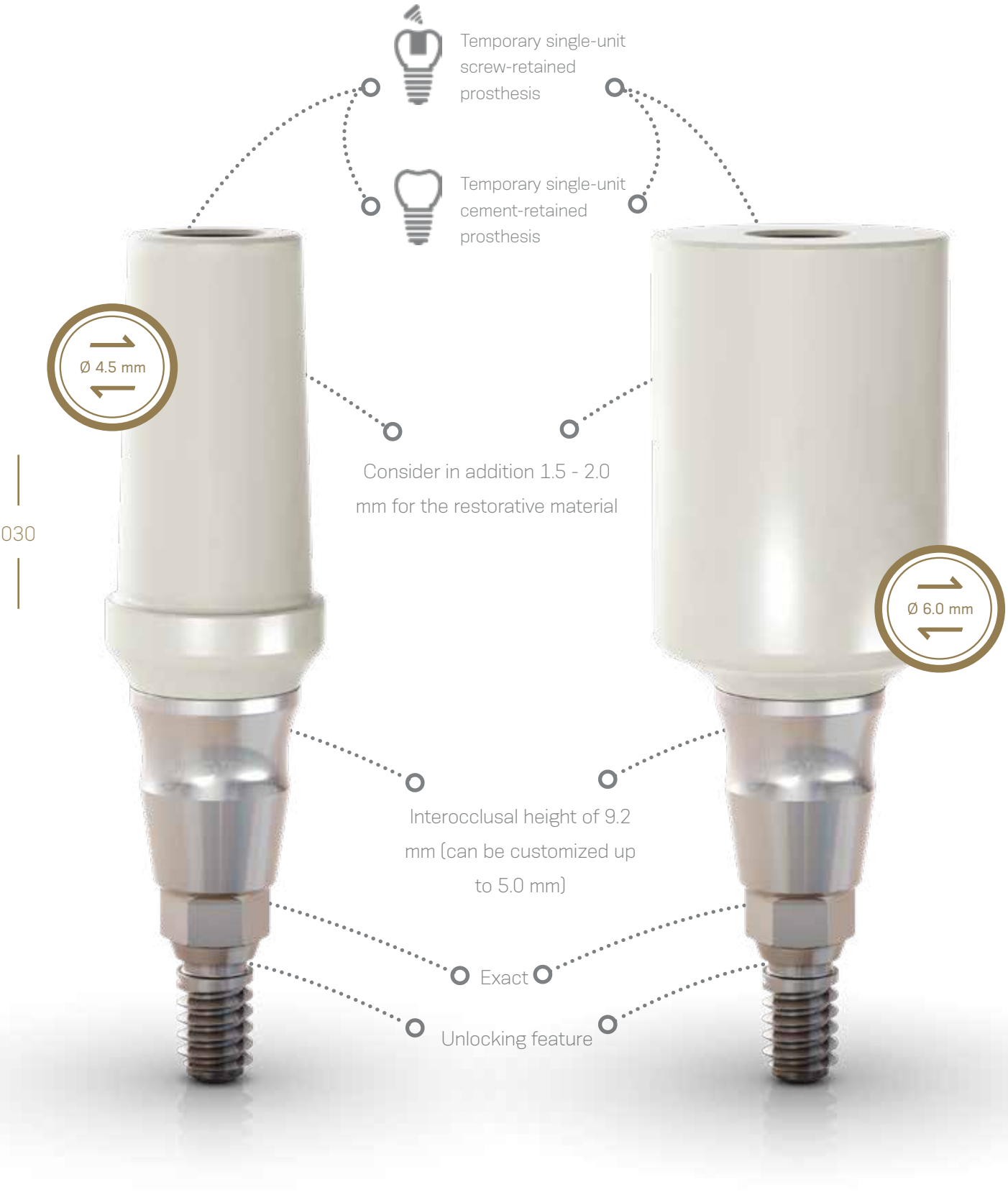
		3.5 mm	4.5 mm	5.5 mm
4 mm	Ø 3.5	135.205	135.206	135.207
	Ø 4.5	135.217	135.218	135.219

		0.8 mm	1.5 mm	2.5 mm
6 mm	Ø 3.5	135.208	135.209	135.210
	Ø 4.5	135.220	135.221	135.222

		3.5 mm	4.5 mm	5.5 mm
6 mm	Ø 3.5	135.211	135.212	135.213
	Ø 4.5	135.223	135.224	135.225

GM Pro Peek Abutment

Biocompatible Peek of easy customization.
To install abutments, it is indicated to use the Torque Wrench.



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
4 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

Measurements GM Universal Abutment 17°/30°

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

Measurements GM Mini Conical Abutment 17°/30°

17°

115.249

115.250

115.251

30°

115.252

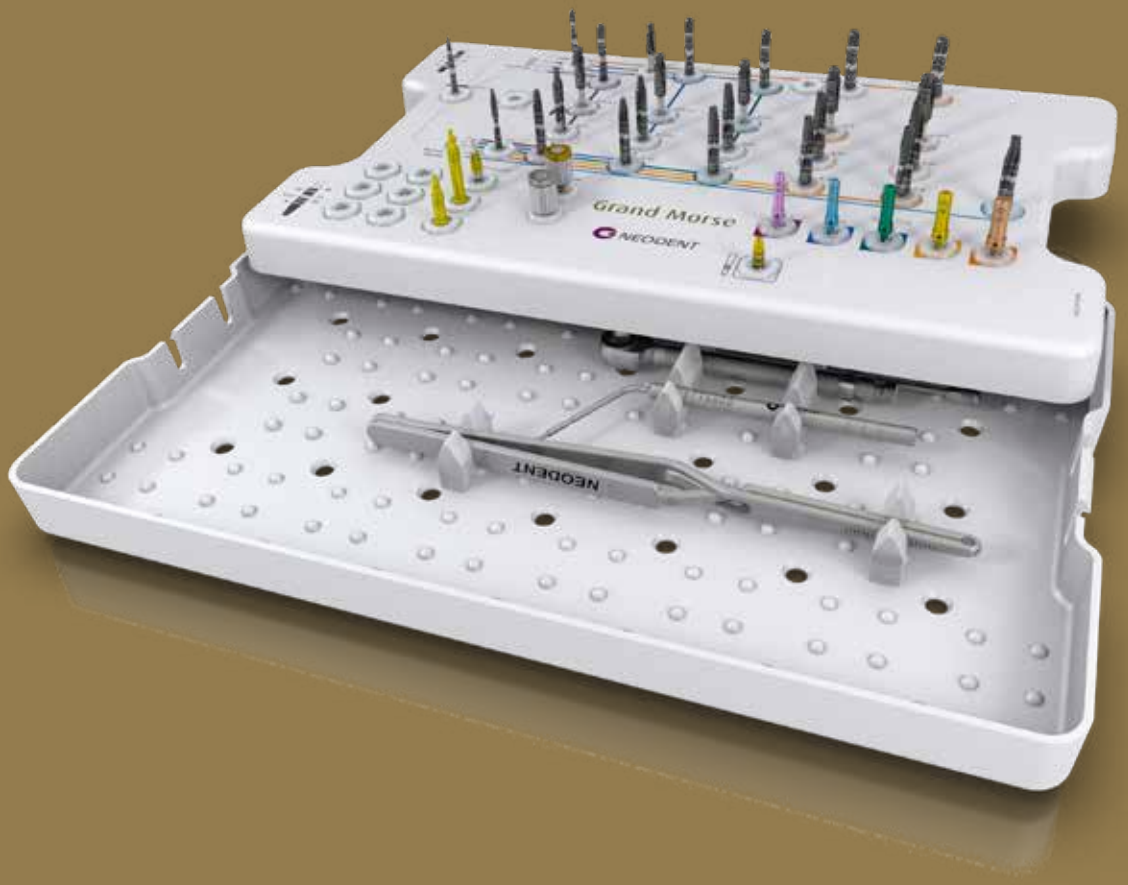
115.253

115.254

GRAND MORSE® KITS

Grand Morse® Surgical Kit

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



Articles

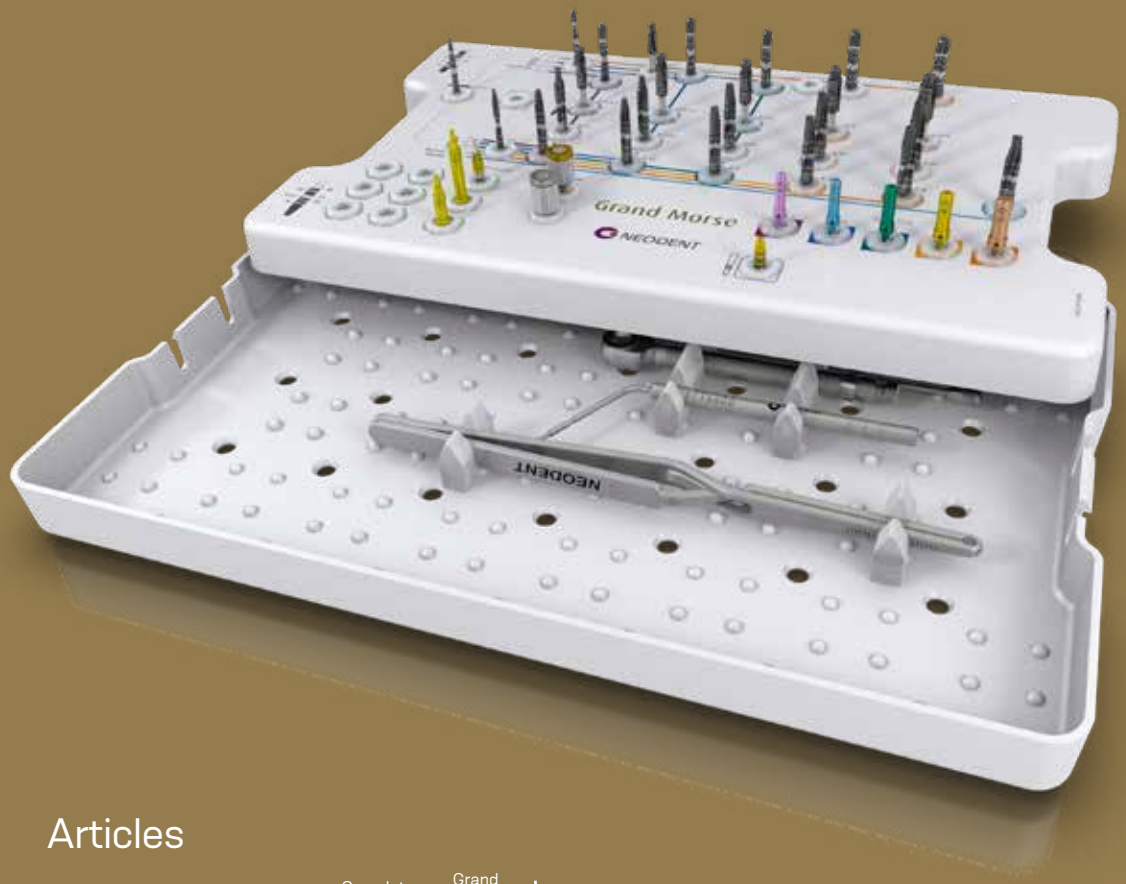
		Complete	Helix®
110.288	GM Surgical Kit Case	✓	✓
103.162	Twist Drill 2.0 Plus	✓	
103.213	Pilot Dril 2.0/3.0 Plus	✓	
103.164	Twist Drill 3.0 Plus	✓	
103.166	Twist Drill 3.3 Plus	✓	
103.167	Twist Drill 3.8 Plus	✓	
103.168	Twist Drill 4.3 Plus	✓	
103.163	Twist Drill 2.8 Plus	✓	
103.170	Initial Drill Plus	✓	✓
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	✓	✓
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	✓	✓

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

Grand Morse® and WS Surgical Kit

The Kit allows the use of:
- Grand Morse®: Helix GM®, Drive GM® and Titamax GM® Implants;
- Complete: 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	✓	✓

		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	✓	✓
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	✓	✓

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

GRAND MORSE® INSTRUMENTS

Initial Drill

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

103.170

GM 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
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

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.

2/3	2.8/3.5	3/3.75	3.3/4	3.6/4.3
103.213	103.414	103.415	103.416	103.417

4.3/5	3.8/4.3	4.3/5.3	5.3/6
103.418	103.214	103.215	103.221

Twist Drills

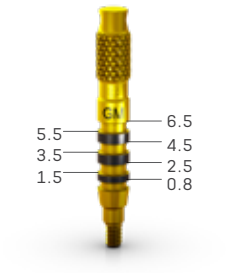
:: Available in surgical steel;
:: Drill sequence for Titamax GM® Implants.

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

Direction Indicators

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

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



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	Long
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 20 mm	Medium 25 mm	Long 38 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 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.

Short 20 mm	Medium 25 mm
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 Connection	Contra-angle Connection
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.
:: See page 99 for full instructions.

104.050

FACILITY®

Facility® Implants

5º Cone Morse Connection

ABUTMENT INDICATION TABLE

FACILITY®	Screw-retained Prosthesis	Cement-retained Prosthesis	Overdenture	Hybrid
2.9 mm	•Facility Micro Conical Abutment (multiple-unit)	•Facility Anatomic Abutment	•Facility Equator Attachment	• Facility Micro Conical Abutment (in addition to regular implants)

Facility®

PRODUCT FEATURES:

Implants Description:

- 2.9 mm small diameter implant;
- Double threaded implant;
- Cylindrical implant;
- Facility® Morse taper connection.

Indications:

- Recommended for all bone types.

Drilling features:

- Drilling speed: 500-800 rpm;
- Implant insertion speed: 30 rpm;
- Maximum torque for implant placement: 45 N.cm.

Available with:

NeoPoros or acqua®

Drills Sequence

	103.330	103.331	103.341	103.342	103.343	111.035
10 mm	✓	✓	✓			✓
12 mm	✓	✓		✓		✓
14 mm	✓	✓			✓	✓

Bone types I and II

10 mm	✓	✓	✓			
12 mm	✓	✓		✓		
14 mm	✓	✓			✓	

Bone types III and IV

Facility® Implants

	10.0 mm	12.0 mm	14.0 mm
Ø 2.9			
Acqua®	140.737	140.738	140.739
NeoPoros	109.737	109.738	109.739

Facility® Healing Abutments

:: The 1.5 mm Healing Abument can also be used as Cover Screw.

1.5 mm	2.5 mm	3.5 mm	4.5 mm
106.200	106.201	106.202	106.203

Facility® Micro Abutment

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 mucosa level

Accessories

Micro Conical Abutment Polishing Protector

123.015

Installation Sequence

Facility® Micro Conical Abutment (3 impacts) 1

1.5 mm	2.5 mm	3.5 mm
115.215	115.216	115.217

Micro Conical Abutment Impression Coping Open Tray 2

108.070

or

Micro Conical Abutment Protection Cylinder 2

106.199

Micro Conical Abutment Titanium Coping 2

118.246	116.227	Neotorque*
	116.037	Titanium

Micro Conical Abutment Analog

101.057

Micro Conical Abutment CoCr Coping 2

118.245	116.227	Neotorque*
	116.037	Titanium

or

Micro Conical Abutment Burn-out Coping 2

118.247	116.227	Neotorque*
	116.037	Titanium

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

1

Facility® Abutment Placement Aid

2

Hex Scredriver Torque Connection 1.2

+

Torque Wrench

or

Hex Scredriver Torque Connection 1.2

+

Manual Screwdriver Torque

Facility® Anatomic Abutment

Recommended for anterior zone.

Installation Sequence

1

Facility® Implant
Impression Coping
Closed Tray
(1 impact)

108.107

1

Facility® Healing
Abutment
(1 impact)

1

Facility® Abutment
Placement Aid

Facility® Implant
Analog

101.061

1

Facility® Anatomic Abutment
(3 impacts)

1.5 mm	2.5 mm	3.5 mm
114.442	114.443	114.444

Facility® Equator Attachment

Overdenture prostheses.

Allows 30° angulation between two implants.

Accessories

O'ring

Pink	102.108
Purple	102.115
Black	102.118

Available in polymer; Purple: more retention; Black: lab stage.

Multiuse Tool

Multiuse Tool	104.054
Insertion Tool	104.053

O'ring Extractor Tool

104.055

Installation Sequence

1

Facility® Equator Attachment

1.5 mm	2.5 mm	3.5 mm	4.5 mm
102.100	102.102	102.104	102.105

Protection Disk

10 Units

102.077

O'ring with Cylinder

102.107

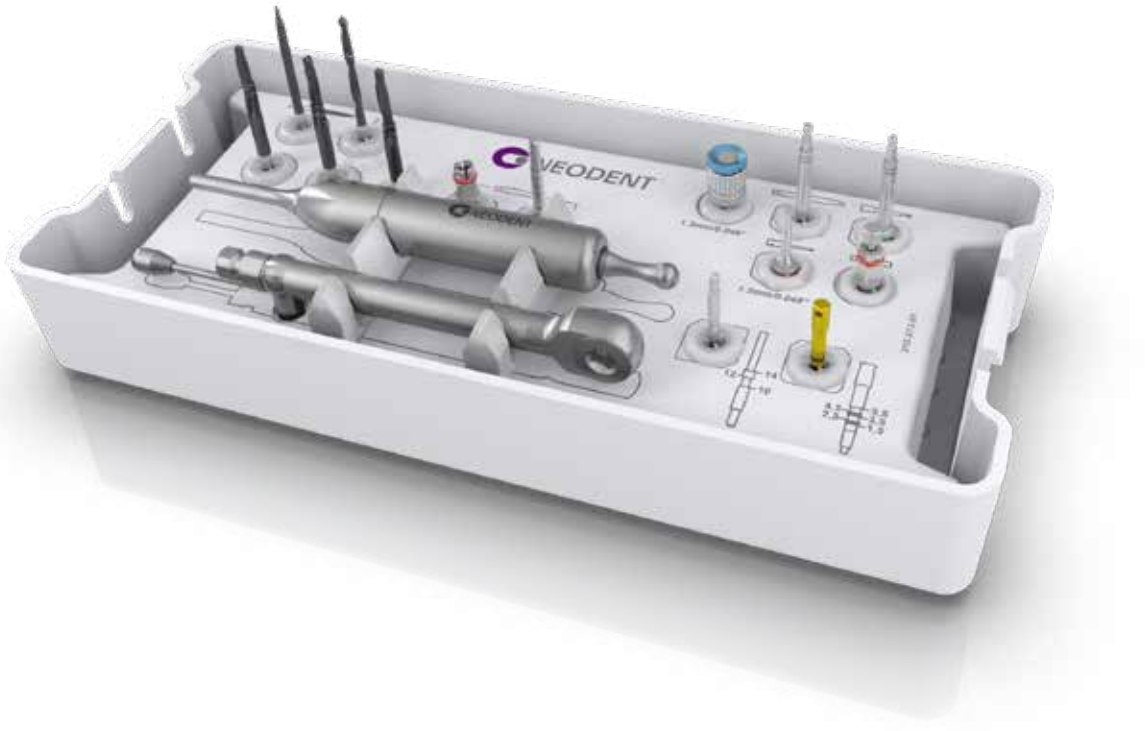
1

Facility® Abutment Placement Aid

FACILITY® KIT

Facility® Kit

Autoclavable polymer case.



Articles

110.265	Facility® Kit Case
103.330	Facility® Initial Drill
103.331	Facility® Twist Drill 2.0
103.341	Facility® Drill 10
103.342	Facility® Drill 12
103.343	Facility® Drill 14
105.104	Contra-Angle Facility® Connection
105.109	Long Facility® Connection For Torque Wrench
105.111	Bone Tap Connection Facility® For Torque Wrench
111.035	Facility® Bone Tap
128.027	Facility® Height Measurer
129.016	Facility® X-Ray Positioner
104.050	Torque Wrench
104.012	Manual Screwdriver (Medium) 1.2
105.005	Hex Screwdriver Torque Connection 1.2
105.009	Prosthetic Abutment Driver
104.056	Facility® Abutment Placement Aid

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

FACILITY®
INSTRUMENTS

Facility® Drills

:: Available in surgical steel;
:: Instrument sequence for surgical alveolus in Facility® Implants.

Initial	TwistØ 2.0	10 mm	12 mm	14 mm
103.330	103.331	103.341	103.342	103.343

Facility® Height Measurer

:: Available in titanium;
:: For selection of prosthetic abutments;
:: Marks corresponding to transmucosa heights.

128.027

Facility® Connection

:: For driver 105.104 maximum 35 N.cm;
:: For driver 105.109 maximum 45 N.cm.

Contra-angle	Torque Wrench
105.104	105.109

Manual Implant Driver

:: Available in surgical steel;
:: Compatible with all Neodent Implant lines contra-angle drivers, it becomes a manual driver for implant placement.

Contra-angle	Wrench
104.028	104.005

Facility Bone Tap

:: Suitable for the formation of threads in surgical socket before placing Facility implants in bone bed type I or II.

111.035

Facility® Bone Tap Connection

:: Suitable for manual installation using Torque Wrench.

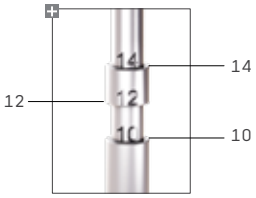
105.111

Drill Extension

:: Available in surgical steel;
:: Screw for drill retaining;
:: Screw attached to drill extension;
:: To tighten or untighten the screw, use a half-turn on the 1.2 Manual Driver (104.012) is enough;
:: Maximum torque: 30N.cm.

103.091

Facility® X-Ray Positioner



129.016

Implant Removal

:: Available in surgical steel.

130.052

Facility® Abutment Placement Aid

:: Insertion of Facility® prosthetic components through impact.

104.056

Torque Wrench

:: Available in surgical steel;
:: Fitting for square connections;
:: Collapsible wrench that allows for proper assembly cleaning.
:: For further information, see page 127.

104.050

Screwdrivers

:: Please note the screwdriver that matches the screw in the prosthetic abutment;
:: To control the torque, the screwdriver should be adapted to a Torque Wrench (104.050);
:: For manual torque, the screwdriver should be adapted to a Manual Driver (104.005).

	Short	Medium	Long
1.2	105.041	105.005	105.071

Drivers for Contra-angle

:: Available in surgical steel;
:: Please note the screwdriver that matches the screw in the prosthetic abutment.

	Short	Medium
1.2	105.119	105.010

WS Implants

:: Note: the WS implant has a specific abutment line.

:: The left image shows the mismatch between the CM and GM abutment with the WS implants. The picture on the right shows the proper fit between the WS abutments and the WS implants.

ABUTMENT INDICATION TABLE

	WS	Screw-retained Prostheses	Cement-retained Prostheses	Overdenture	Hybrid
Inner Thread Ø 1.8	4.0 mm 5.0 mm 6.0 mm	•WS Abutment (single-unit) •WS Mini Conical Abutment (multiple-unit)	•WS Universal Abutment (single-unit)		•WS Mini Conical Abutment **One Step Hybrid Technique** •Castable Mini Conical One Step Hybrid Coping •Titanium Mini Conical One Step Hybrid Coping •Brass Mini Conical One Step Hybrid Coping

Titamax® **WS**

PRODUCT FEATURES:

Implants Description:

- Cylindrical implant;
- WS Morse Taper connection;
- Pre-assembled with a transfer piece.

Indications:

- Suited to deal with situations where there is reduced bone availability;
- Indicated for bone types I and II.

Drilling features:

- Note the specific Pilot Drill (Countersink function);
- Drilling speed: 200-300 rpm;
- Implant insertion speed: 30 rpm;
- Maximum torque for implant placement: 60 N.cm.

Available with:

NeoPoros

Drills Sequence

	Initial	Ø 2.0	Ø 2/3	Ø 3.0	Ø 3.3	Ø 3/3.75	Ø 3.3/4.0	Ø 3.8	Ø 3.8/4.3	Ø 4.3	Ø 4.3/5.0	Ø 4.3/5.3	Ø 5.3	Ø 5.3/6.0
	103.170	103.162	103.213	103.164	103.166	103.217	103.218	103.167	103.214	103.168	103.220	103.215	103.169	103.221
Ø 4.0 mm	✓	✓	✓	✓	✓		✓							
Ø 5.0 mm	✓	✓	✓	✓		✓		✓	✓	✓	✓			
Ø 6.0 mm	✓	✓	✓	✓		✓		✓	✓	✓		✓	✓	✓

Bone types I and II

Titamax® **WS** Implants

		5.0 mm	6.0 mm
Ø 4.0	NeoPoros	109.604	109.605
Ø 5.0	NeoPoros	109.574	109.575
Ø 6.0	NeoPoros	109.576	109.577

WS Cover Screw

117.016

:: Use Manual Screwdriver 1.2mm (104.012) for placement;
:: Do not exceed 10 N.cm torque.

WS Healing Abutments

0.8 mm	1.5 mm	2.5 mm	3.5 mm
106.186	106.187	106.188	106.189

:: Use Manual Screwdriver 1.2mm (104.012) for placement;
:: Do not exceed 10 N.cm torque

WS Abutment

Recommended for posterior regions.

To install abutments and restorative copings, it is indicated to use the Torque Wrench.

Single-unit screw-retained prosthesis

Consider in addition 1.5 - 2.0 mm for the restorative material

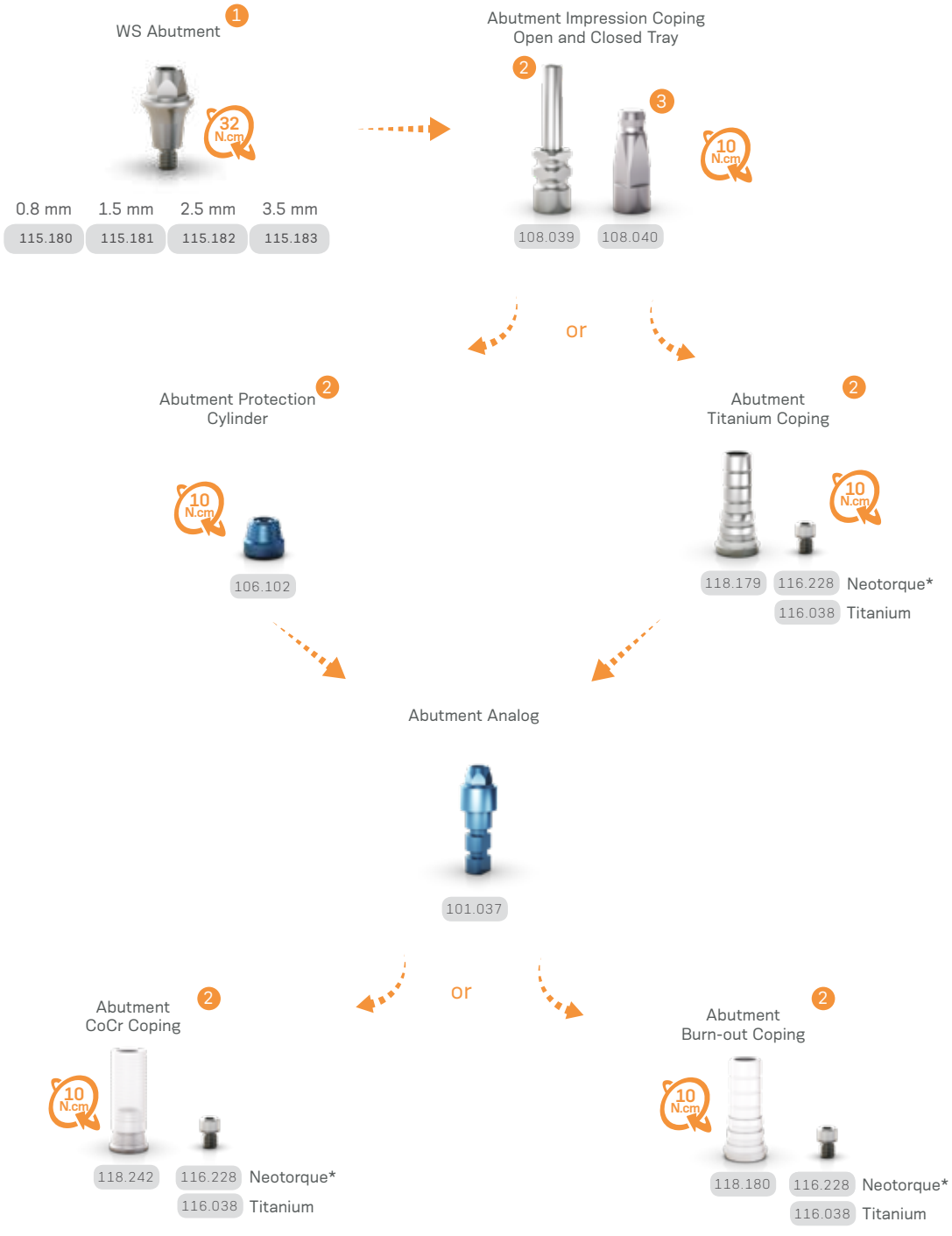
Minimum interocclusal space of 5.0 mm from mucosa level

Accessories

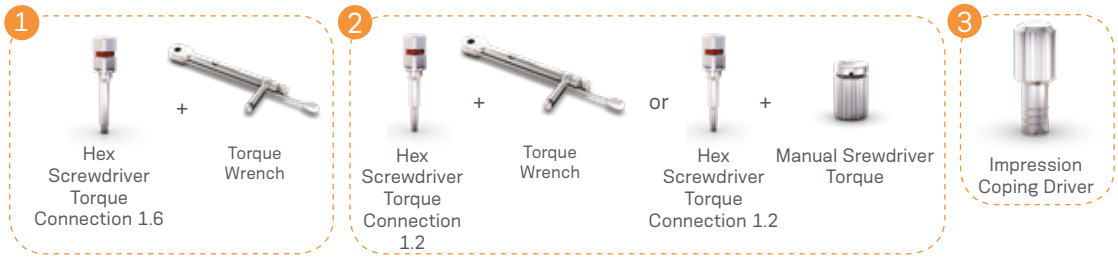
Abutment Polishing Protector

123.012

Installation Sequence



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



WS Mini Conical Abutment

To install abutments and restorative copings, it is indicated to use the Torque Wrench.

Multiple-unit
screw-retained
prosthesis

Consider in addition 1.5 - 2.0
mm for the restorative material

Minimum interocclusal space of
4.4 mm from mucosa level

Accessories

Mini Conical Abutment
Polishing Protector

123.008

Mini Conical Abutment
Impression Coping
Multifunctional

108.068

Installation Sequence

1 WS Mini Conical Abutment

0.8 mm	1.5 mm	2.5 mm	3.5 mm
115.176	115.177	115.178	115.179

Mini Conical Abutment Impression Coping
Open and Closed Tray

108.022 — 108.021

or

2 Mini Conical Abutment Protection Cylinder

106.054

2 Mini Conical Abutment Titanium Coping

118.113 — 116.227 Neotorque*

116.037 Titanium

Mini Conical Abutment Analog

101.020

2 Mini Conical Abutment CoCr Coping

118.209 — 116.227 Neotorque*

116.037 Titanium

or

2 Mini Conical Abutment Burn-out Coping

118.112 — 116.227 Neotorque*

116.037 Titanium

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

1

Prosthetic Abutment Driver + Torque Wrench

2

Hex Screwdriver Torque Connection 1.2 + Torque Wrench or Hex Screwdriver Torque Connection 1.2 + Manual Srewdriver Torque

3

Impression Coping Driver

WS Universal Abutment

To install abutments, it is indicated to use the Torque Wrench.

Accessories

Universal Abutment Set

	4 mm	6 mm
Ø 4.5	108.062	108.063

Recommended Sequence of Installation

WS Universal Abutment 1

	0.8 mm	1.5 mm	2.5 mm	3.5 mm
4 mm	114.183	114.184	114.185	114.186
6 mm	114.187	114.188	114.189	114.190

Universal Abutment Impression Coping

4 mm	108.044
6 mm	108.045

Universal Abutment Provisional Coping

4 mm	118.194
6 mm	118.195

Universal Abutment Analog

4 mm	101.040
6 mm	101.041

Universal Abutment Burn-out Coping

4 mm	118.183
6 mm	118.184

1

Hex Screwdriver Torque Connection 1.2

+

Torque Wrench

Optional Sequence of Installation

WS Implant Impression Coping

108.064

WS Implant Analog

101.055

Lab Stage

WS Universal Abutment 1

	0.8 mm	1.5 mm	2.5 mm	3.5 mm
4 mm	114.183	114.184	114.185	114.186
6 mm	114.187	114.188	114.189	114.190

1

Hex Screwdriver Torque Connection 1.2

+

Torque Wrench

WS INSTRUMENTS

Initial Drill

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

103.170

Twist Drills

:: Available in surgical steel;
:: Instrument sequence for surgical alveolus in Titamax® WS 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		

Pilot Drills

:: Available in surgical steel;
:: Increasing the surgical alveolus diameter ridge, easing the penetration of the next drill;
:: Replaces the Countersink when using Morse Taper Implants.

2/3	3/3.75	3.3/4	3.8/4.3
103.213	103.217	103.218	103.214

4.3/5	4.3/5.3	5.3/6
103.220	103.215	103.221

WS Direction Indicators

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

4.3/5.0	5.3/6.0
128.024	128.025

WS Implant Driver - Contra-Angle

:: Available in surgical steel;
:: Adaptation of hex assemblies;
:: To place implants using the motor and Contra-Angle;
:: Maximum torque: 30N.cm.

105.002

WS Implant Driver - Torque Wrench

:: Available in surgical steel;
:: Adaptation of hex assemblies;
:: Fit in square wrench;
:: Maximum torque: 30N.cm.

Short	Long
105.001	105.018

Manual Implant Driver

:: Available in surgical steel;
:: Compatible with all Neodent Implant lines contra-angle drivers, it becomes a manual driver for implant placement.

Contra-angle	Torque Wrench
104.028	104.005

Manual Screwdriver 0.048/1.2 mm

:: Available in surgical steel;
:: With diverging hex for better screw tightening and transport.

Short 20 mm	Medium 25 mm	Long 38 mm
104.007	104.012	104.010

Drill Extension

:: Available in surgical steel;
:: Screw for drill retaining;
:: Screw attached to drill extension;
:: To tighten or untighten the screw, use a half-turn on the 1.2 Manual Driver (104.012) is enough;
:: Maximum torque: 30 N.cm.

103.091

Torque Wrench

:: Available in surgical steel;
:: Fitting for square connections;
:: Collapsible wrench that allows for proper assembly cleaning.
:: For further information, see page 127.

104.050

Screwdrivers

:: Please note the screwdriver that matches the screw in the prosthetic abutment;
:: To control the torque, the screwdriver should be adapted to a Torque Wrench (104.050);
:: For manual torque, the screwdriver should be adapted to a Manual Driver (104.005).

	Short	Medium	Long
1.2	105.041	105.005	105.071

	Short	Medium
1.6	105.042	105.006

	Short	Medium
Prosthetic Abutment Driver	105.044	105.009

Drivers for Contra-angle

:: Available in surgical steel;
:: Please note the screwdriver that matches the screw in the prosthetic abutment.

	Short	Medium
1.2	105.119	105.010

ZYGOMATIC

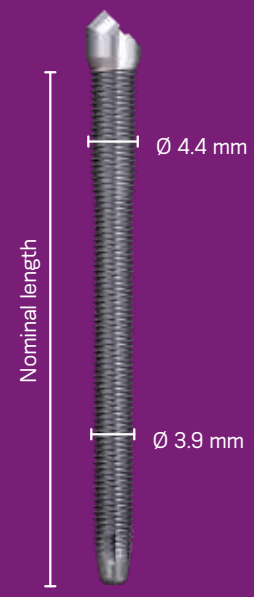
ZygomaticImplants

The acquisition of products of this technique requires specific accreditation

Zygomatic **CM**

PRODUCT FEATURES:

- Cylindrical implant;
- Smooth surface;
- Pre-assembled with a transfer piece;
- Zygomatic Cone Morse connection.



Drill Sequence

Ø 2.9	Ø 2.7	Ø 2.7/3.7	Ø 3.3	Ø 3.3/3.7	Countersink Plus
103.190	103.191	103.192	103.193	103.208	103.197
✓	✓	✓	✓	Optional	Optional

Bone types III and IV

Zygomatic **CM** Implants

30.0 mm	35.0 mm	40.0 mm	45.0 mm	47.5 mm	50.0 mm	52.5 mm
109.522	109.523	109.524	109.525	109.526	109.527	109.528

CM Zygomatic Cover Screw

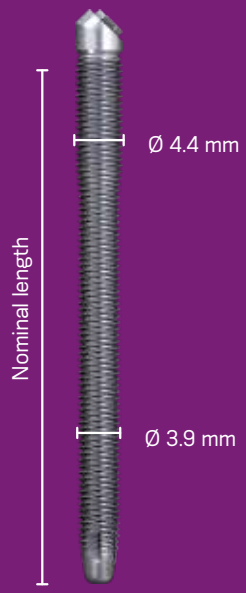
:: Use Manual Screwdriver 1.2 mm (104.012) for placement;
:: Do not exceed 10 N.cm torque.

117.016

Zygomatic **HE**

PRODUCT FEATURES:

- Cylindrical implant;
- Smooth surface;
- Pre-assembled with a transfer piece;
- Zygomatic External Hexagonal connection.

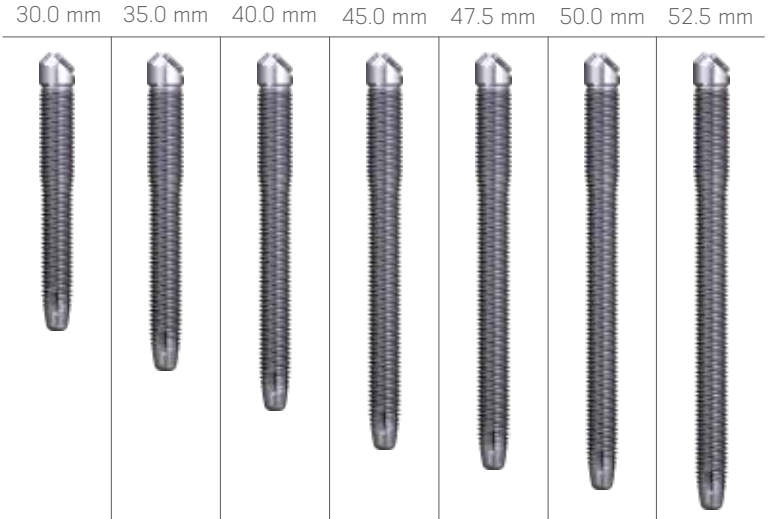


Drill Sequence

Ø 2.9	Ø 2.7	Ø 2.7/3.7	Ø 3.3	Ø 3.3/3.7
103.190	103.191	103.192	103.193	103.208
✓	✓	✓	✓	Optional

Bone types III and IV

Zygomatic **HE** Implants



30.0 mm	35.0 mm	40.0 mm	45.0 mm	47.5 mm	50.0 mm	52.5 mm
109.460	109.450	109.451	109.452	109.461	109.453	109.454

Zygomatic Cover Screw

:: Use Manual Screwdriver 0.9 mm (104.041) for placement;
:: Do not exceed 10 N.cm torque.

117.018

Transepithelial Abutment

To install abutments and restorative copings, it is indicated to use the Torque Wrench.

Multiple-unit screw-retained prosthesis

Minimum interocclusal space of 4.5 mm from mucosa level

CM Zygomatic Implant compatible with WS Mini Conical Abutment

Installation Sequence

CM Transepithelial Abutment 1

3 mm	4 mm	5 mm	6 mm
115.172	115.173	115.174	115.175

HE Transepithelial Abutment 1

3 mm	4 mm	5 mm	6 mm
115.023	115.024	115.025	115.026

Transepithelial Abutment Impression Coping Open Tray 2

108.026

Transepithelial Abutment Protection Cylinder 2

106.056

Transepithelial Abutment Analog

101.018

or

Transepithelial Abutment Burn-out Coping 2

118.034 116.231 Neotorque*

116.004 Titanium

Transepithelial Abutment CoCr Coping 2

118.254 116.231 Neotorque*

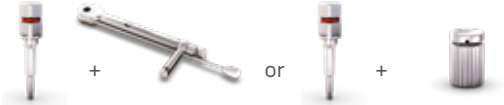
116.004 Titanium

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

1

Prosthetic Abutment Driver + Torque Wrench

2



Hex Screwdriver Torque Connection 1.2 + Torque Wrench or Hex Screwdriver Torque Connection 1.2 + Manual Screwdriver Torque

ZYGOMATIC KIT

Zygomatic Kit

:: Autoclavable polymer case.

Articles

110.264	Zygomatic Surgical Kit Case
104.042	Zygomatic Installation Driver
105.067	Zygomatic Connection - Contra-Angle
103.190	Spherical Drill for Zygomatic 2.9 mm
103.191	Twist Drill for Zygomatic 2.7 mm
103.192	Pilot Twist Drill for Zygomatic 2.7/3.3 mm
103.193	Twist Drill for Zygomatic 3.3 mm
103.197	CM Countersink Drill for Zygomatic
103.208	Pilot Twist Drill for Zygomatic 3.3/3.7 mm
124.004	Zygomatic Labial Protector
129.011	Zygomatic Bicortical Probe
129.012	Zygomatic Probe
104.012	Manual Screwdriver (Medium) 1.2 mm
104.041	Manual Screwdriver (Medium) 0.9 mm

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

ZYGOMATIC INSTRUMENTS

Zygomatic Drills

:: Available in surgical steel.

Ø 2.9	Ø 2.7	Ø 2.7/3.7	Ø 3.3
103.190	103.191	103.192	103.193

CM Countersink Drill for Zygomatic

:: Available in surgical steel.

103.197

Pilot Twist Drill for Zygomatic 3.3/3.7 mm

:: Available in surgical steel.

103.208

Manual Screwdriver 0.035/0.9 mm

:: Available in surgical steel;
:: With diverging hex for better screw tightening and transport

Short 20 mm	Medium 25 mm	Long 38 mm
104.039	104.041	104.040

Manual Screwdriver 0.048/1.2 mm

:: Available in surgical steel;
:: With diverging hex for better screw tightening and transport

Short 20 mm	Medium 25 mm	Long 38 mm
104.007	104.012	104.010

Torque Wrench

:: Available in surgical steel;
:: Fitting for square connections;
:: Collapsible Wrench that allows for proper assembly cleaning.
:: For further information, see page 127.

104.050

Screwdrivers

:: Please note the screwdriver that matches the screw in the prosthetic abutment;
:: To control the torque, the screwdriver should be adapted to a Torque Wrench (104.050);
:: For manual torque, the screwdriver should be adapted to a Manual Driver (104.005).

	Short	Medium	Long
1.2	105.041	105.005	105.071

	Short	Medium
Prosthetic Abutment Driver	105.044	105.009

Drivers for Contra-angle

:: Available in surgical steel;
:: Please note the screwdriver that matches the screw in the prosthetic Abutment;

	Short	Medium'
1.2	105.119	105.010

ORTHODONTIC ANCHORAGE

Orthodontic Anchorage

PRODUCT FEATURES:

- Available in Titanium alloy as per ASTM-F136 (V);
- Self-perforating;
- Collar height;
- - Low: 0 mm;
- - Medium: 1 mm.
- Hole diameter: 0.7 mm;
- Hex diameter: 2,7mm

Indications:

- Implants for orthodontic movement.

Drilling features:

- Drilling speed: 200 rpm;
- Placement speed: 30 rpm;
- Torque resistance of up to 10 N.cm (Ø 1.3 mm) and 20 N.cm (Ø 1.6 mm).

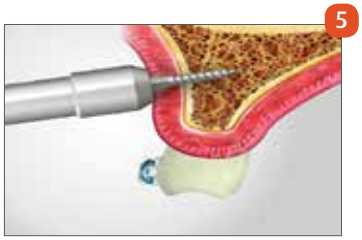
	Low Collar				Medium Collar			
	5 mm	7 mm	9 mm	11 mm	5 mm	7 mm	9 mm	11 mm
Ø 1.3								
		109.484	109.485	109.486		109.487	109.488	109.489
Ø 1.6								
	109.701	109.493	109.494	109.495	109.702	109.496	109.497	109.498

Orthodontic Anchorage Implant Package.

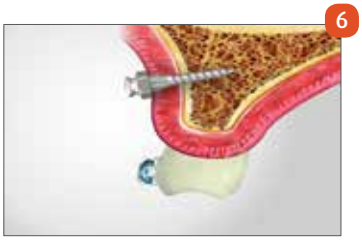
Remove the cap to access the implant.

Implant capture with Orthodontic Anchorage Contra-Angle Connection.

Implant placement with Contra-Angle Connections (105.039 or 105.040).



Option of manual implant insertion using a Handle Anchorage Implant Driver (104.033) or Torque Wrench Adaptor for Contra-Angle Connections (105.025).



Implant placed.

BONE GRAFTING

Bone Grafting

PRODUCT FEATURES:

- Available in Titanium;
- Self-perforating.

Indications:

- Fixation of bone block graft.

Drilling features:

- Drilling speed: 200 rpm;
- Placement speed: 30 rpm.

	Expanded Head	Standard Head
		
Ø 1.5 mm	Ø 3.70 mm	Ø 2.5 mm
Ø 2.0 mm	Ø 3.85 mm	Ø 3.0 mm

Standard Head

	6 mm	8 mm	10 mm	12 mm	14 mm
Ø 1.5					
	116.194	116.196	116.198	116.199	116.200
Ø 2.0					
	116.203	116.205	116.207	116.209	

Expanded Head

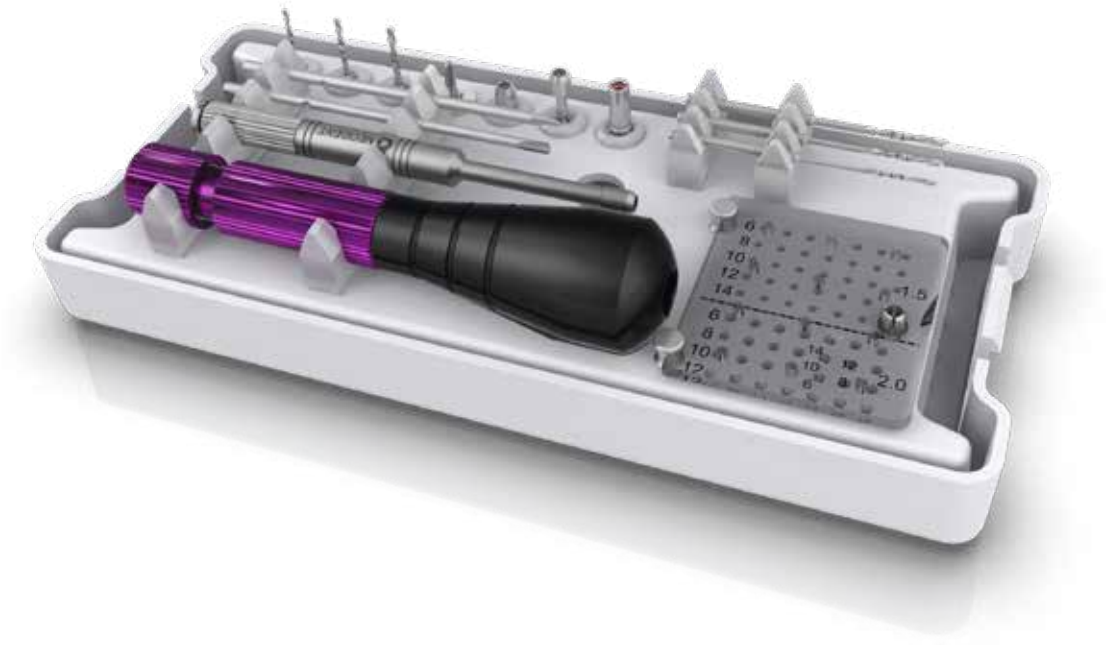
	8 mm	10 mm	12 mm	14 mm
Ø 1.5				
	116.210	116.211	116.212	116.213
Ø 2.0				
	116.214	116.215	116.216	

Screw for Gingival Graft

	5 mm
Ø 1.6	116.245

Bone Grafting and Orthodontic Anchorage Kit

:: Autoclavable polymer case.



Articles

110.263	Bone Grafting and Orthodontic Anchorage Kit Case
104.018	Bone Grafting Manual Driver
105.063	Philips Connection for Manual Driver
105.023	Philips Connection for Contra-Angle
103.045	Drill 1.6 for Contra-Angle
103.079	Drill 1.3 for Contra-Angle
103.044	Drill 1.1 for Contra-Angle
103.043	Drill 1.6 for Straight Piece
103.078	Drill 1.3 for Straight Piece
103.042	Drill 1.1 for Straight Piece
103.071	Punch for Bone Grafting/Orthodontic Anchorage
104.033	Orthodontic Anchorage Implant Driver
105.039	Anchorage Implant Driver Contra-Angle Connection - Long
105.040	Anchorage Implant Driver Contra-Angle Connection - Short
105.025	Torque Wrench Adaptor for Contra-Angle Connections

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

Instruments

Drills for Orthodontic Anchorage

:: Available in stainless steel;
:: Recommended for type I and II bones;
:: Marks refer to Implant length (5, 7, 9 and 11mm)

	Ø 1.1 mm	Ø 1.3 mm	Ø 1.6 mm
Straight Piece	103.042	103.078	103.043
Contra-Angle	103.044	103.079	103.045

Punch for Bone Grafting/Orthodontic Anchorage

:: Available in stainless steel;
:: Initial cortical rupture.

103.071

Punch for Bone Grafting and Orthodontic Anchorage

:: Available in stainless steel;
:: Initial cortical rupture.

103.207

Orthodontic Anchorage Adaptor Connections

:: Connections for placing Anchorage Implants with Torque Wrench and Contra-Angle;
:: Torque Wrench Adaptor Contra-Angle Connections (105.025).

Short	Long	Wrench
105.040	105.039	105.025

Orthodontic Anchorage Implant Driver

:: Available in stainless steel;
:: Orthodontic Anchorage Implant manual placement.

104.033

Bone Grafting Manual Driver

:: Assists in handling Philips Driver (105.063).

104.018

Philips Driver

:: Available in stainless steel;
:: Screw placement for bone grafting.

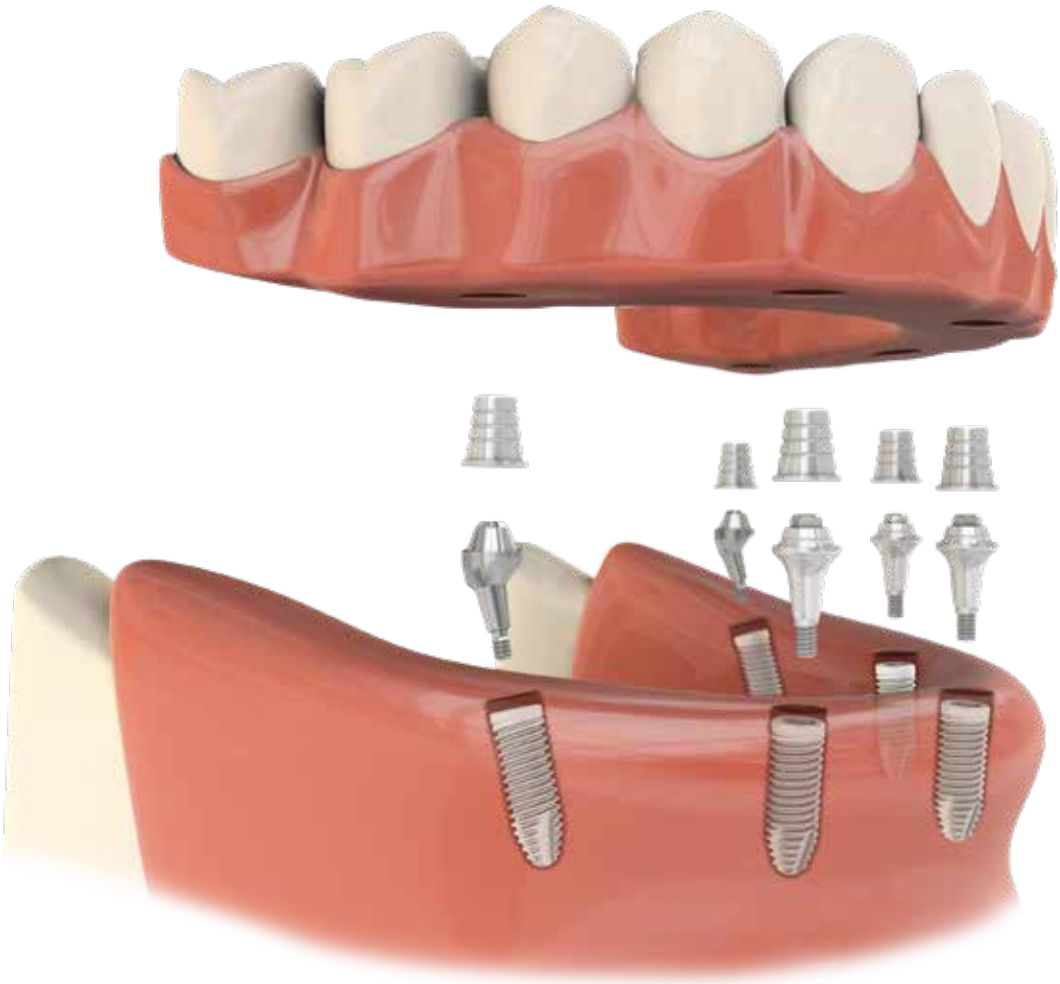
Manual Driver	Contra-Angle
105.063	105.023

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

NEODENT® TECHNIQUES

One Step Hybrid Technique

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



Mini Conical Abutment One Step Hybrid Copings

:: Brass and Titanium copings include screw;
:: For installation, use 1.2 mm Hex Screwdriver (105.005);
:: For torque control, use Torque Wrench (104.050).

	Burn-out	Brass	Titanium
Ø 4.1	118.083	118.081	118.082
Ø 5.0	118.089	118.087	118.088

Micro Conical Abutment One Step Hybrid Copings

:: Brass and Titanium copings include screw;
:: For installation, use 1.2 mm Hex Screwdriver (105.005);
:: For torque control, use Torque Wrench (104.050).

Burn-out	Brass	Titanium
118.250	118.248	118.249

Transepitelial Abutment One Step Hybrid Copings

:: Brass and Titanium copings include screw;
:: For installation, use 1.2 mm Hex Screwdriver (105.005);
:: For torque control, use Torque Wrench (104.050).

Burn-out	Brass	Titanium
118.086	118.084	118.085

CM Abutment One Step Hybrid Copings

:: Brass and Titanium copings include screw;
:: For installation, use 1.2 mm Hex Screwdriver (105.005);
:: For torque control, use Torque Wrench (104.050).

Burn-out	Brass	Titanium
118.174	118.173	118.172

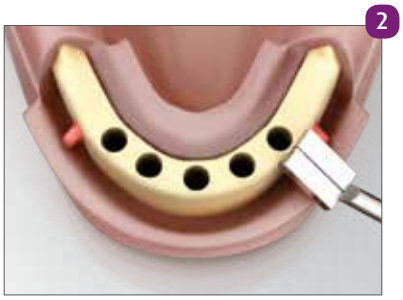
Working Screw One Step Hybrid

:: For laboratory use.
:: 116.086 for Mini Conical Abutment4.1, Micro Conical Abutment and Transepitelial Abutment;
:: 116.087 for Mini Conical Abutment 5.0 and CM Abutment.

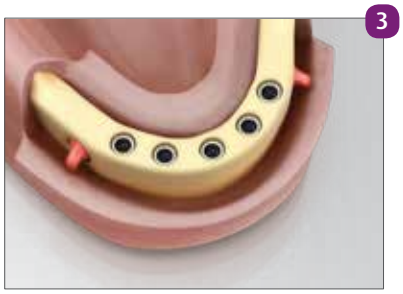
4.1 mm	5.0 mm
116.086	116.087

Demonstration Sequence - One Step Hybrid Technique

Normalization of alveolar flaps.



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



Placement of 5 implants.

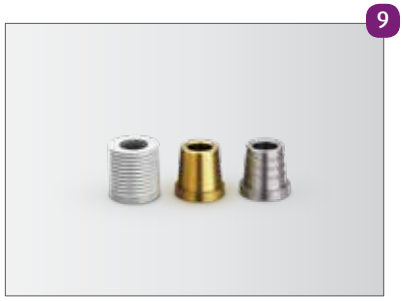
Placement of CM Mini Conical Abutments.

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 Multi-Funcional 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, which compensates hiring the mill.

10

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

11

Castable ring with waxed framework.

12

Cast framework.

13

Adapting the framework over model.

14

Please note cementing area.

15

Cementing with Panavia® (Kuraray Med. Inc. Tokyo-Japan) the structure over the Titanium copings.

16

Final inside-morth view.

Distal Bar Technique

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

Distal Bar Coping

:: Available in titanium;
:: Retainers to ease joining with acrylic resin;
:: Recommended torque: 10N.cm;
:: For torque, use Hex Screwdriver 1.2mm (105.005).

	Mini Conical Abument	CM Abutment
Ø 4.1	118.169	
Ø 5.0	118.170	
		118.171

Distal Bar

:: Recommended for distal Implants to reinforce the cantilever.

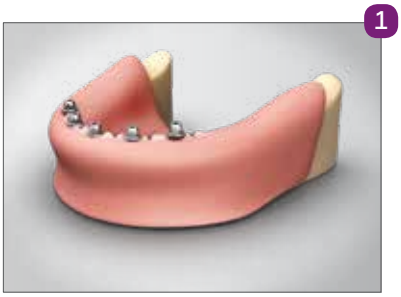
	Mini Conical Abument	CM Abutment
Ø 4.1	125.011	
Ø 5.0	125.012	
		125.023

Polishing Protector

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

	Mini Conical Abument	CM Abutment
Ø 4.1	123.008	
Ø 5.0	123.009	
		123.012

Demonstration Sequence

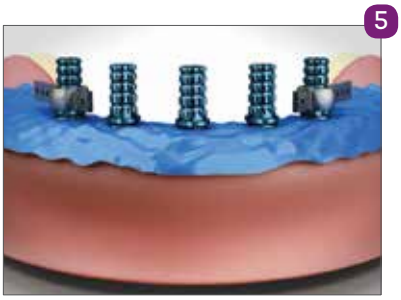


1 Abutments placed.

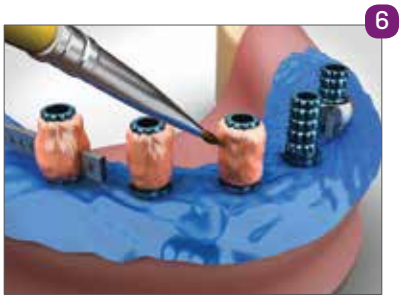
2 Prostheses wearing, keeping posterior region integrity.

3 Placing of copings to 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 tissue.

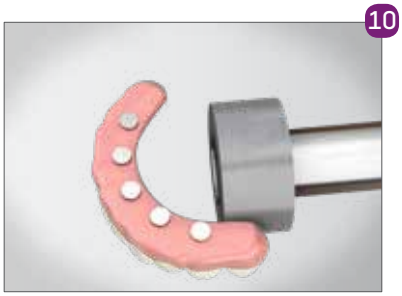


6 Applying selfpolymerizing acrylic resin on copings.

7 Applying acrylic resin between copings.

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

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



10 Wearing, finishing and polishing inferior prostheses with polishing protectors.

11 Provisional implant supported prostheses completed.

12 Final posterior inside-mouth view.

DIGITAL SOLUTIONS

Scanbody Impression Coping

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

108.092	Conical Abutment Scanbody 4.1/4.3 mm
108.093	Conical Abutment Scanbody 5.0 mm
108.094	Mini Conical Abutment Scanbody 4.1/4.3
108.095	Mini Conical Abutment Scanbody 5.0 mm
108.101	CM Exact Implant Scanbody
108.102	Micro Abutment Scanbody
108.103	CM, GT and WS Abutment Scanbody
108.127	WS Implant Scanbody

Intraoral Scanbodies

108.131	Intraoral Scanbody 3.3 mm
108.132	Intraoral Scanbody 4.1/4.3 mm
108.133	Intraoral Scanbody 5.0 mm
108.134	Conical Abutment Intraoral Scanbody 4.1/4.3 mm
108.135	Conical Abutment Intraoral Scanbody 5.0 mm
108.137	Mini Conical Abutment Intraoral Scanbody 4.1/4.3 mm
108.138	Mini Conical Abutment Intraoral Scanbody 5.0 mm
108.139	CM Exact Intraoral Scanbody
108.140	Micro Conical Abutment Intraoral Scanbody
108.141	Abutment Intraoral Scanbody WS and GT, CM
108.142	WS Intraoral Scanbody
108.143	Universal Abutment Intraoral Scanbody 3.3x4 mm
108.144	Universal Abutment Intraoral Scanbody 3.3x6 mm
108.145	Universal Abutment Intraoral Scanbody 4.5x4 mm
108.146	Universal Abutment Intraoral Scanbody 4.5x6 mm
108.147	Facility Intraoral Scanbody

Preface

Titanium blocks that allow customization in CAD/CAM systems.

:: Provides Neodent Original Connections;
:: Two diameters for customization: 11,5 e 15,8 mm;
:: Screw is included (CM Line).

135.109	CM Exact Preface Ø11,5mm
135.110	CM Exact Preface Ø15,8mm

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

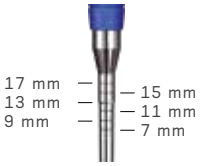
:: Available in surgical steel;
:: For standard scalpel blade use;
:: Blade not included.

129.008

Bivers Handle

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

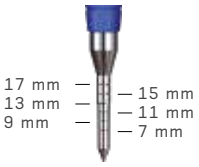
129.002



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

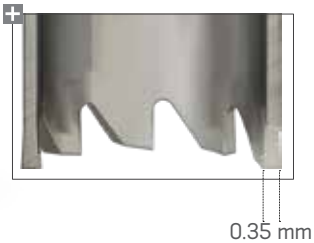
Surgical Hammer

:: 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 ancillary connections.

110.233

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

Impression Coping Driver - Closed-Tray

:: Available in surgical steel;
:: Recommended for Conical Impression Coping (used in closed tray techniques).

104.016

Prosthetic Surgical Guide

:: Available in titanium;
:: Abutments to prepare the surgical guide;
:: Prosthetic guide iner 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

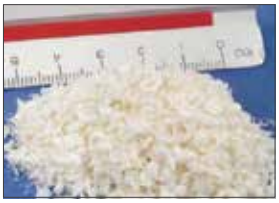
Guide	Pin
103.092	103.093

Bone Mill

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

Bovine bone block with volume = 1.76 cm^3

Magnified particles



After particling, volume gain was about 7 times.

127.011

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