

# CATALOG 2018



 **NEODENT**<sup>®</sup>  
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.**





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# TECHNICAL GUIDELINES

# Implant 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 implant carrier and implant attached to it.



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



While gripping the implant carrier, remove the lid.



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



The implant can now be transported to the surgical site.



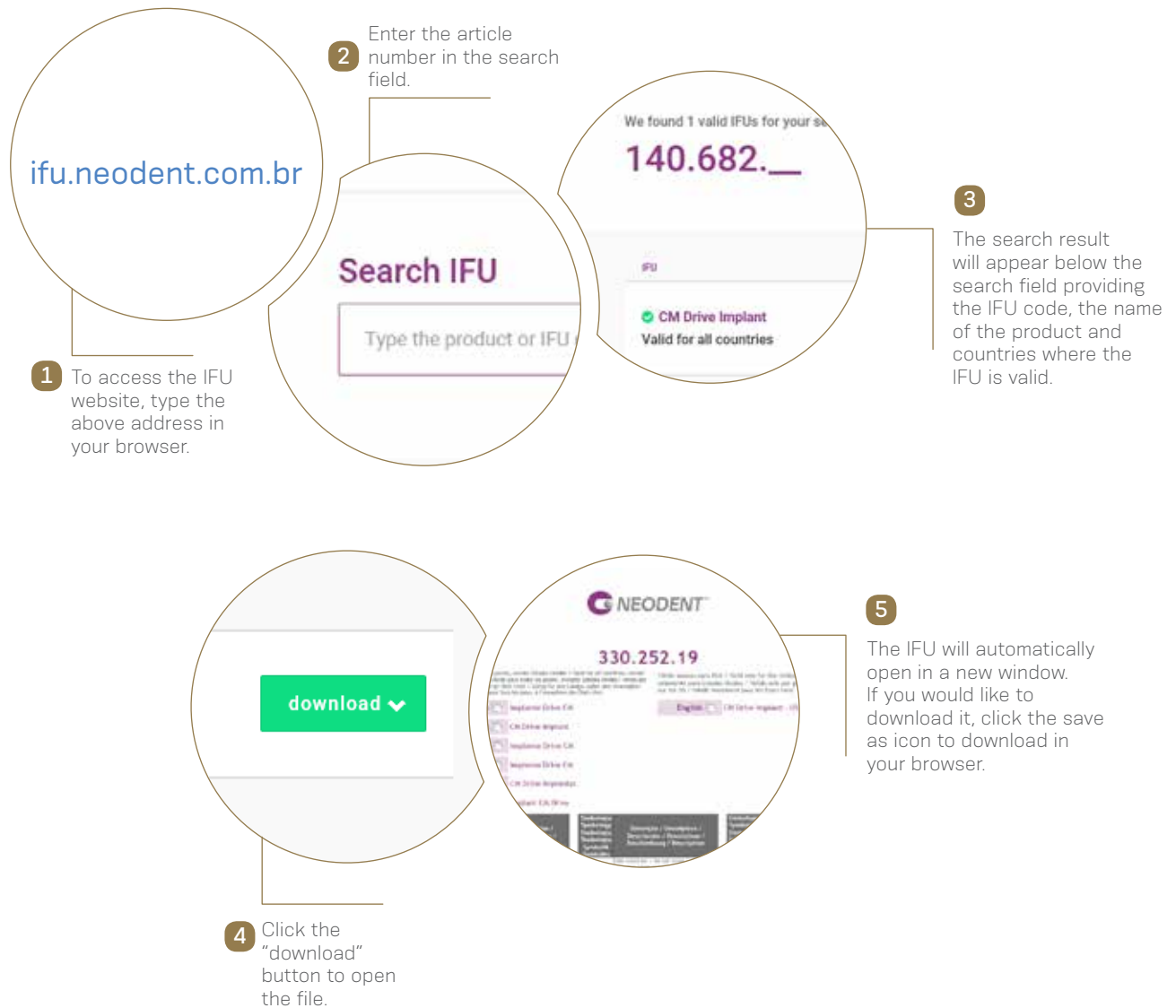
## e-IFU – Electronic Instructions For Use

**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 in hand the article number, which can be found on the external packaging of the product, in this catalog or with your local distributor. Once the article number is entered in the website, the 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](http://ifu.neodent.com.br)



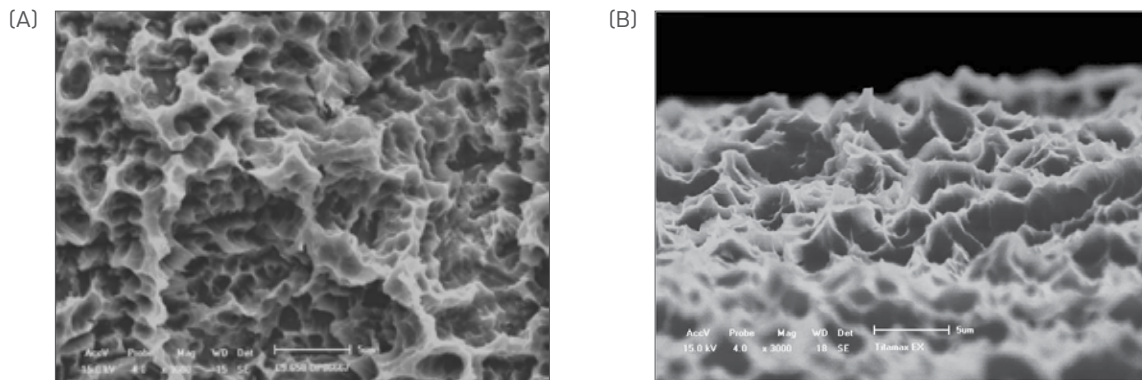
# NeoPoros®

## Constant evolution.

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

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

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



Controlled roughness on all implant surface.  
Scanning electron microscopy (A) shows macro (15-30  $\mu\text{m}$ ) and (B) microtopography (0,3 - 1,3  $\mu\text{m}$ ).

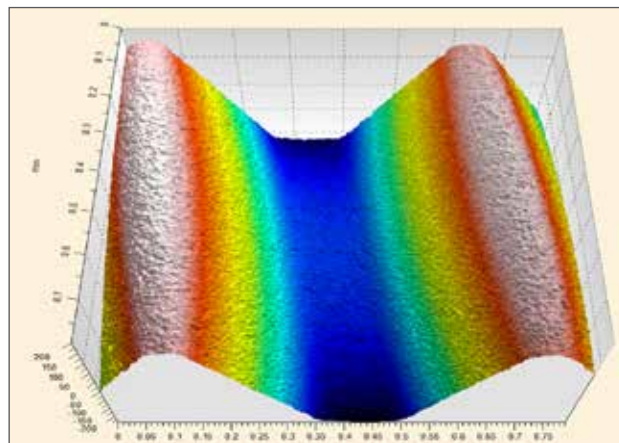


Image taken by confocal microscopy.  
Roughness and Microtopography.  
( $S_a = 1,4 - 1,8 \mu\text{m}$ ;  $S_z = 15 \mu\text{m}$ ).





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.<sup>(1-4)</sup>

### Surface comparison\*

\*Lab generated images.



*Hydrophobic surface  
(conventional).*



*Hydrophilic surface **Acqua™**.*

### Hydrophilicity

The hydrophilic surface presents a smaller contact angle when in contact with hydrophilic liquids. This provides greater accessibility of organic fluids to the Acqua™ implant surface.<sup>(2)</sup>



# CMImplants

## Cone Morse



Streamlined implant transportation that does not require an implant mount.

CM Implant Driver.



CM Exact Abutments feature a hex index.

CM Implants feature a prosthetic index.



### ABUTMENT INDICATION TABLE

**CONE MORSE**  
(Morse Taper)

Screw-retained  
Prostheses

Cement-retained  
Prostheses

Overdenture

Hybrid

Inner Thread Ø 1.8

<ul style="list-style-type: none"> <li>•CM Abutment (single-unit)</li> <li>•CM Mini Conical Abutment (multiple-unit)</li> <li>•17° / 30° CM Mini Conical Abutment (multiple-unit)</li> <li>•CM Micro Conical Abutment (multiple-unit)</li> </ul>	<ul style="list-style-type: none"> <li>•17°/30° CM Universal Abutment</li> <li>•CM Universal Abutment</li> <li>•CM Exact Universal Abutment</li> <li>•CM Anatomic Exact Abutment</li> <li>•17° CM Anatomic Abutment</li> </ul>	<ul style="list-style-type: none"> <li>•Attachment Equator</li> </ul>	<ul style="list-style-type: none"> <li>•CM Micro Conical Abutment</li> <li>•CM Mini Conical Abutment</li> <li>•17° / 30° CM Mini Conical Abutment</li> <li>•Coping and Distal Bar</li> </ul>
<ul style="list-style-type: none"> <li>•CM Abutment (single-unit)</li> <li>•CM Mini Conical Abutment (multiple-unit)</li> <li>•CM Micro Conical Abutment (multiple-unit)</li> </ul>	<ul style="list-style-type: none"> <li>•17°/30° CM Universal Abutment</li> <li>•CM Universal Abutment</li> <li>•CM Exact Universal Abutment</li> <li>•CM Anatomic Exact Abutment</li> <li>•17° CM Anatomic Abutment</li> </ul>	<ul style="list-style-type: none"> <li>•Attachment Equator</li> </ul>	<p><b>One Step Hybrid Technique</b></p> <ul style="list-style-type: none"> <li>•Castable Mini Conical One Step Hybrid Coping</li> <li>•Titanium Mini Conical One Step Hybrid Coping</li> <li>•Brass Mini Conical One Step Hybrid Coping</li> </ul>



# Drive CM<sup>®</sup>

## PRODUCT FEATURES:

### Implants Description:

- Implant with conical central core;
- Square shape threads;
- Double lead thread design;
- Reverse cutting chambers distributed across the implant body;
- Rounded apex with a sharp edge;
- Cone 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<sup>®</sup> or


acqua<sup>™</sup>





















## 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	103.171	103.172	103.216	103.173	103.219	103.174	103.220
Ø 3.5 mm	✓	✓	✓	Optional				
Ø 4.3 mm	✓	✓	✓		✓	Optional		
Ø 5.0 mm	✓	✓	✓		✓		✓	Optional

For bone types III and IV 

## Drive CM® Implants

		8.0 mm	10.0 mm	11.5 mm	13.0 mm	16.0 mm
Ø 3.5						
	Acqua™	140.692	140.682	140.693	140.683	140.684
	NeoPoros®	109.1004	109.994	109.1005	109.995	109.996
Ø 4.3						
	Acqua™	140.689	140.688	140.627	140.628	140.629
	NeoPoros®	109.1001	109.1000	109.991	109.992	109.993
Ø 5.0						
	Acqua™	140.690	140.685	140.691	140.686	140.687
	NeoPoros®	109.1002	109.997	109.1003	109.998	109.999

## CM Cover Screw



0 mm	2 mm
117.013	117.017

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

## CM 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	106.182	106.168	106.169	106.170	106.183	106.184
Ø 4.5	106.175	106.171	106.172	106.173	106.174	106.180

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

# Titamax CM EX<sup>®</sup>

## PRODUCT FEATURES:

### Implants Description:

- Cylindrical implant body design with tapered apex;
- Double lead thread design;
- Cervical diameter equal to implant body diameter;
- Cone Morse Connection.

### Indications:

- Indicated for bone types III and IV and for narrow bone width.

### Drilling features:

- Final pilot drill is optional;
- 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<sup>®</sup> or

acqua<sup>™</sup>

### 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 3.5 mm	✓	✓			
Ø 3.75 mm	✓	✓	Optional	Optional	
Ø 4.0 mm	✓	✓	Optional	Optional	Optional

For bone types III and IV 

### Titamax CM® EX Implants

		9.0 mm	11.0 mm	13.0 mm	15.0 mm	17.0 mm	19.0 mm
Ø 3.5	Acqua®	140.661	140.662	140.663	140.664	140.665	
	NeoPoros™	109.661	109.662	109.663	109.664	109.665	
Ø 3.75	Acqua®	140.666	140.667	140.668	140.669	140.670	
	NeoPoros™	109.666	109.667	109.668	109.669	109.670	109.671
Ø 4.0	Acqua®	140.636	140.637	140.638	140.639	140.640	
	NeoPoros™	109.636	109.637	109.638	109.639	109.640	109.641

### CM Cover Screw



0 mm	2 mm
117.013	117.017

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

### CM 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	106.182	106.168	106.169	106.170	106.183	106.184
Ø 4.5	106.175	106.171	106.172	106.173	106.174	106.180

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

# CM Titamax<sup>®</sup>

## PRODUCT FEATURES:

### Implants Description:

- Cylindrical implant body design;
- Double lead thread design;
- Cervical diameter equal to implant body diameter;
- Cone Morse Connection.

### Indications:

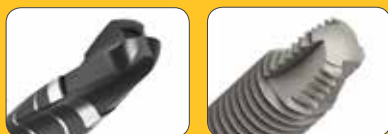
- Indicated for bone types I and II or grafted areas such as bone block.

### Drilling features:

- Note the specific Pilot Drill (countersink function);
- Implant should be positioned 1-2 mm below bone level;
- Drilling speed: 800-1200 rpm;
- Implant insertion speed: 30 rpm;
- Maximum torque for implant placement: 60 N.cm.

## APEX

- Seamless adaptation between drill and implant




Available with:


NeoPoros<sup>®</sup>

































### Drill Sequence



	Initial	Ø 2.0	Ø 2/3	Ø 2.8	Ø 3.0	Ø 2.8/3.5	Ø 3.3	Ø 3/3.75	Ø 3.3/4.0	Ø 3.8	Ø 4.3	Ø 4.3/5.0
	103.170	103.162	103.213	103.163	103.164	103.216	103.166	103.217	103.218	103.167	103.168	103.220
Ø 3.5 mm	✓	✓		✓		✓						
Ø 3.75 mm	✓	✓	✓		✓			✓				
Ø 4.0 mm	✓	✓	✓		✓		✓		✓			
Ø 5.0 mm	✓	✓	✓		✓			✓		✓	✓	✓

For bone types I and II 

### CM Titamax® 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								
	NeoPoros®	109.613	109.614	109.615	109.616	109.617	109.618	109.619
Ø 3.75								
	NeoPoros®	109.606	109.607	109.608	109.609	109.610	109.611	109.612
Ø 4.0								
	NeoPoros®	109.630	109.631	109.632	109.633	109.620	109.634	109.635
Ø 5.0								
	NeoPoros®	109.642	109.643	109.644	109.645	109.646		

### CM Cover Screw



0 mm	2 mm
117.013	117.017

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

### CM 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	106.182	106.168	106.169	106.170	106.183	106.184
Ø 4.5	106.175	106.171	106.172	106.173	106.174	106.180

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

# Alvim CM<sup>®</sup>

## PRODUCT FEATURES:

### Implants Description:

- Tapered implant;
- Double lead thread design;
- Cone Morse Connection.

### Indications:

- Recommended for type I and II bones in association with the Bone Tap;
- Recommended for type III and IV bones and post-extraction;

### Drilling features:

- Note the specific Pilot Drill (countersink function);
- Implant should be positioned 1-2 mm below bone level;
- Drilling speed: 800-1200 rpm for bone types I and II;
- Drilling speed: 500-800 rpm for bone types III and IV;
- Implant insertion speed: 30 rpm;
- Maximum torque for implant placement: 60 N.cm.



Available with:


NeoPoros<sup>®</sup> or

acqua<sup>™</sup>


## Drill Sequence



	Initial	Ø 2.0	Ø 3.5	Ø 2.8/3.5	Ø 3.5	Ø 4.3	Ø 3.6/4.3	Ø 4.3	Ø 5.0	Ø 4.3/5.0	Ø 5.0
	103.170	103.171	103.172	103.216	111.036	103.173	103.219	111.037	103.174	103.220	111.038
Ø 3.5 mm	✓	✓	✓	✓	✓						
Ø 4.3 mm	✓	✓	✓			✓	✓	✓			
Ø 5.0 mm	✓	✓	✓			✓			✓	✓	✓

For bone types I and II 

Ø 3.5 mm	✓	✓	✓	Optional							
Ø 4.3 mm	✓	✓	✓			✓	Optional				
Ø 5.0 mm	✓	✓	✓			✓			✓	Optional	

For bone types III and IV 

## Alvim CM® Implants

		8.0 mm	10.0 mm	11.5 mm	13.0 mm	16.0 mm
Ø 3.5	Acqua™	140.657	140.658	140.659	140.621	140.660
	NeoPoros®	109.657	109.658	109.659	109.621	109.660
Ø 4.3	Acqua™	140.647	140.648	140.649	140.622	140.651
	NeoPoros®	109.647	109.648	109.649	109.622	109.651
Ø 5.0	Acqua™	140.652	140.653	140.654	140.655	140.656
	NeoPoros®	109.652	109.653	109.654	109.655	109.656

## CM Cover Screw



0 mm	2 mm
117.013	117.017

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

## CM 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	106.182	106.168	106.169	106.170	106.183	106.184
Ø 4.5	106.175	106.171	106.172	106.173	106.174	106.180

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

# CM Abutment

Recommended for posterior restorations.

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 the mucosa level

Ø 4.8mm

020

## ► Accessories

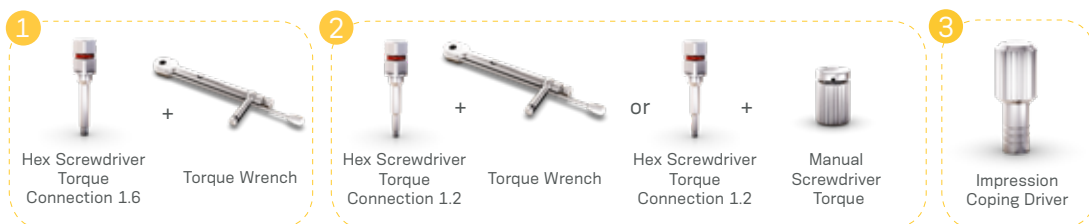
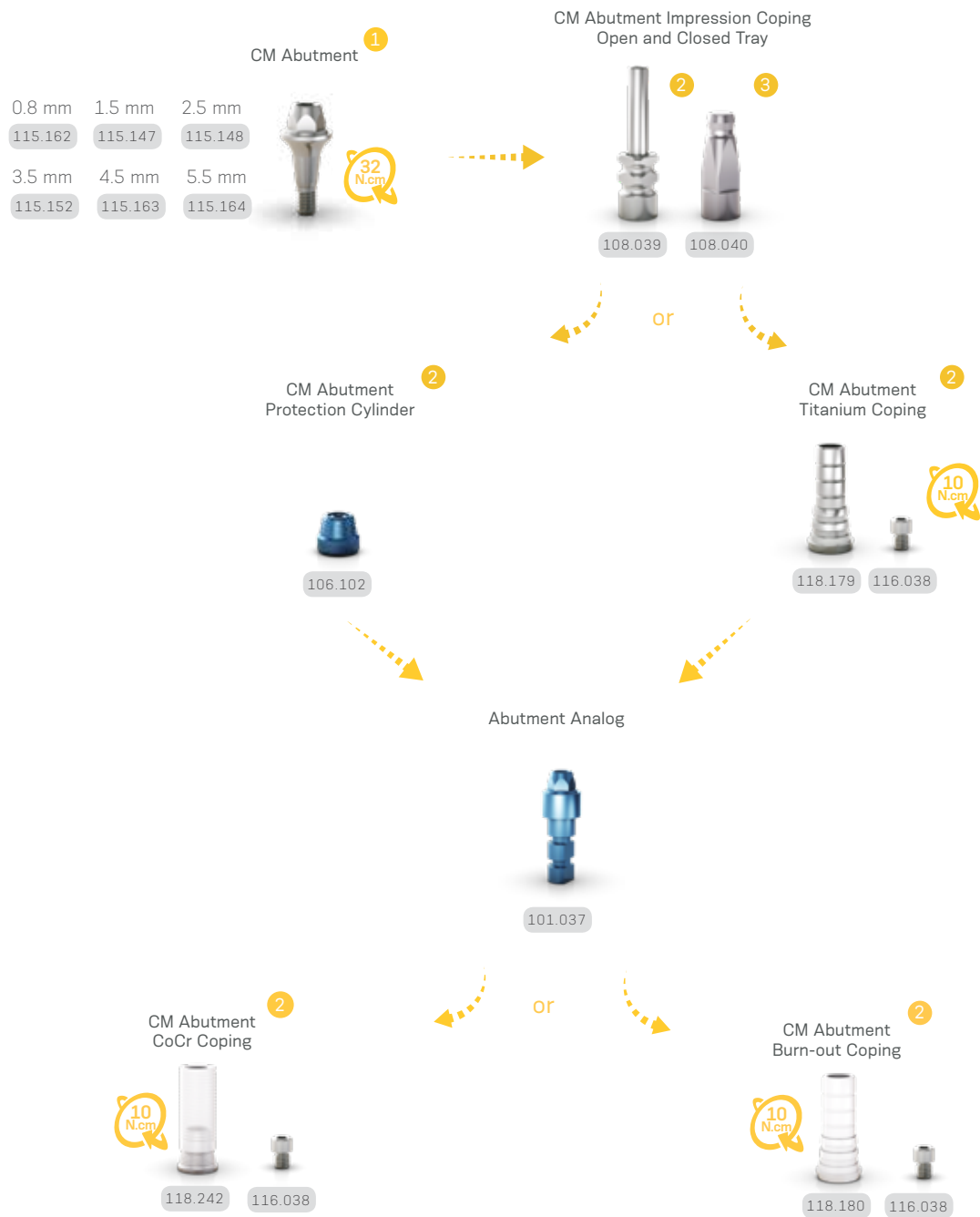
CM Abutment Polishing Protector



123.012



## Installation Sequence



# CM 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



022



Minimum interocclusal space of 4.4  
mm from mucosa level for straight  
abutments

Exact

## Accessories

Mini Conical Abutment  
Protection Cylinder



123.008

Mini Conical Abutment  
Impression Coping  
Multifunctional



108.068

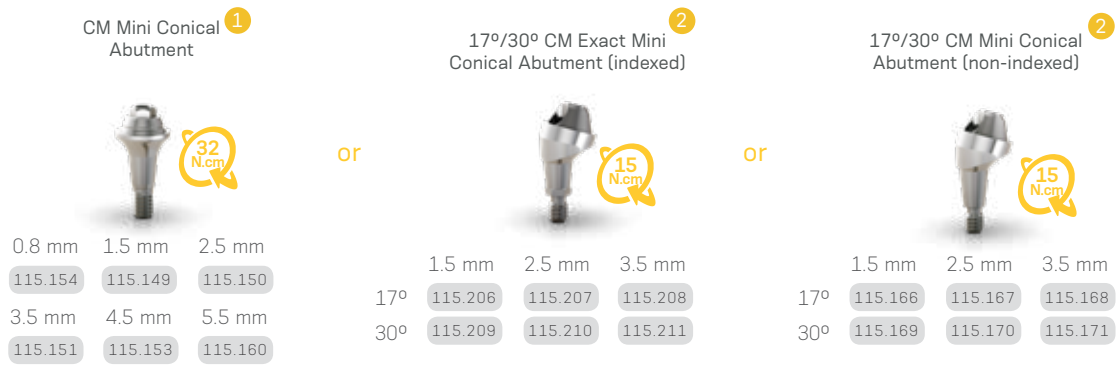
Mini Conical  
Abutment Short  
Impression Coping  
Screw  
Open Tray



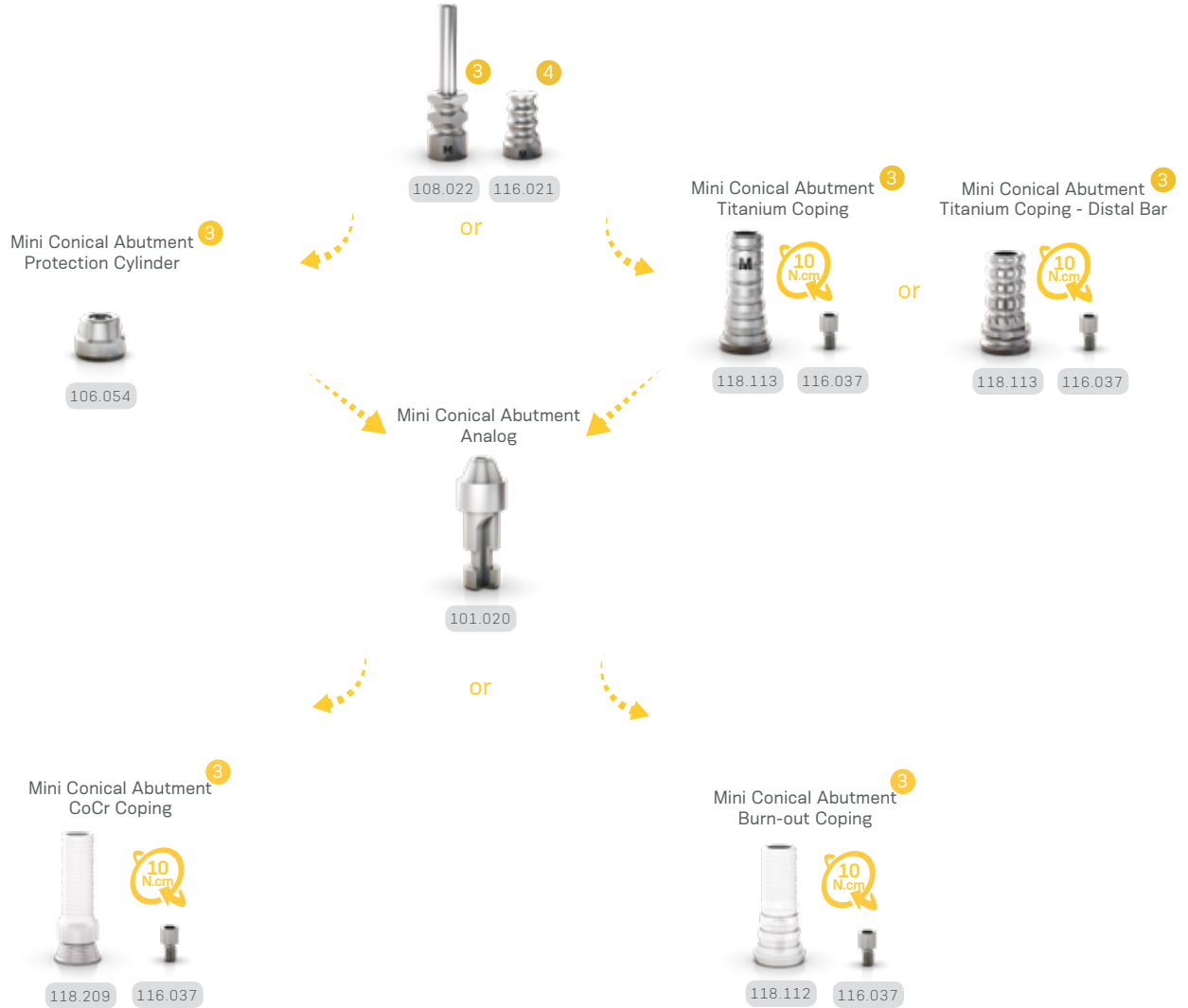
116.036

\*Height of CM angled prosthetic abutments available on page 41.

# Installation Sequence



Mini Conical Abutment Impression Coping  
Open and Closed Tray



# CM Micro Conical Abutment

Recommended for CM Implants close to each other.

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  
3.5 mm from mucosa level

024

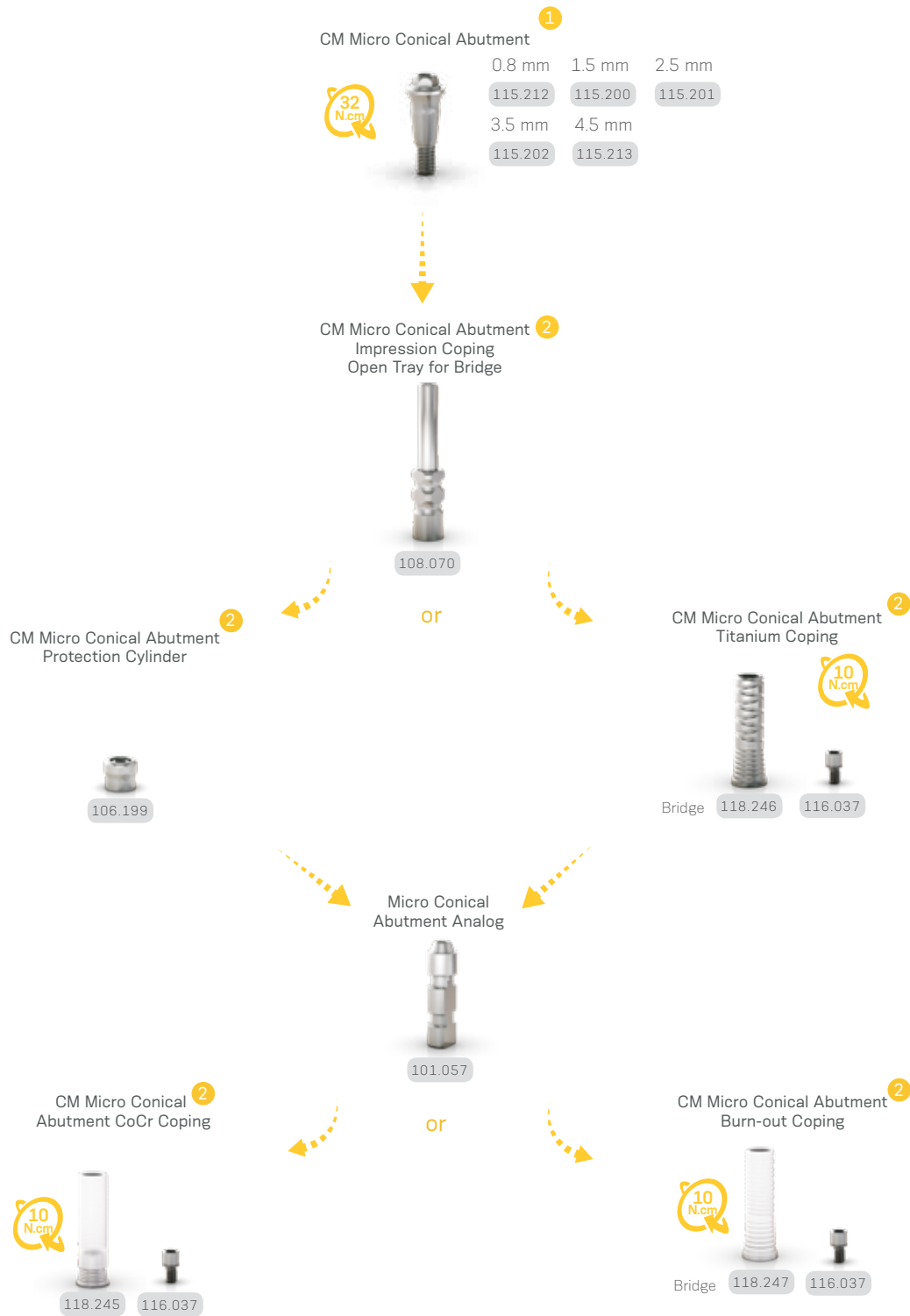
## ► Accessories

CM Micro Conical Abutment Polishing Protector



123.015

# Installation Sequence



**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



# CM Anatomic Abutment (non-indexed)

Recommended for anterior area.

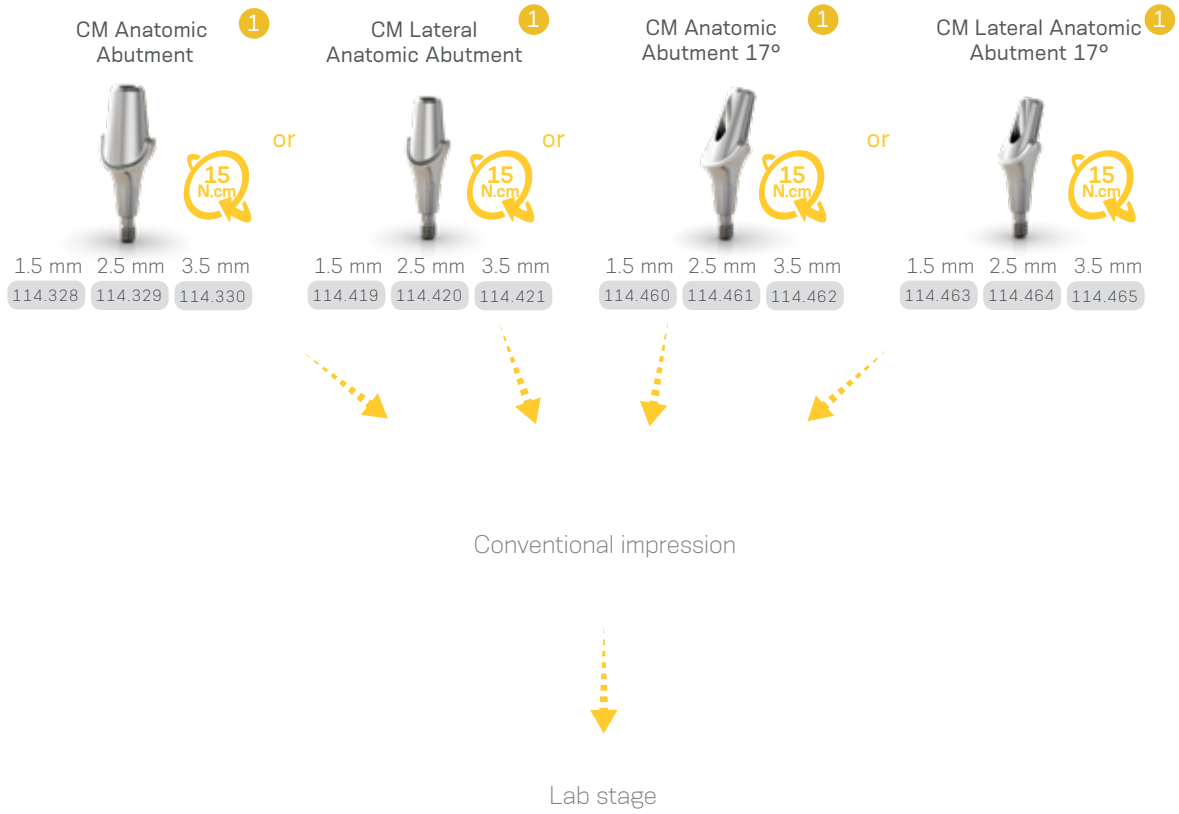
To install abutments, it is indicated to use the Torque Wrench.



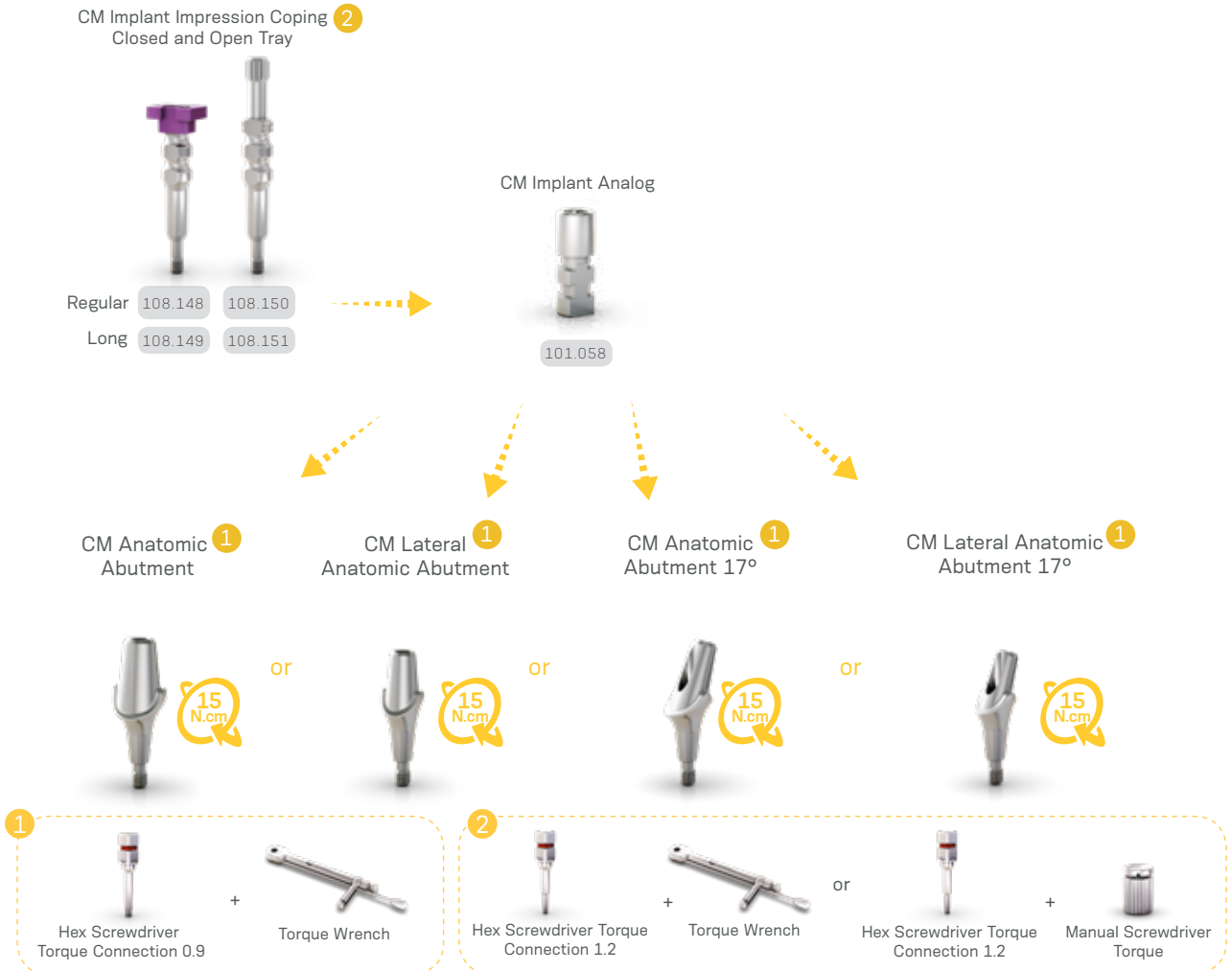
026

\*Height of CM angled prosthetic abutments available on page 41.

## ➤ Recommended Sequence of Installation



## ➤ Optional Sequence of Installation



# CM Exact Anatomic Abutment (indexed)

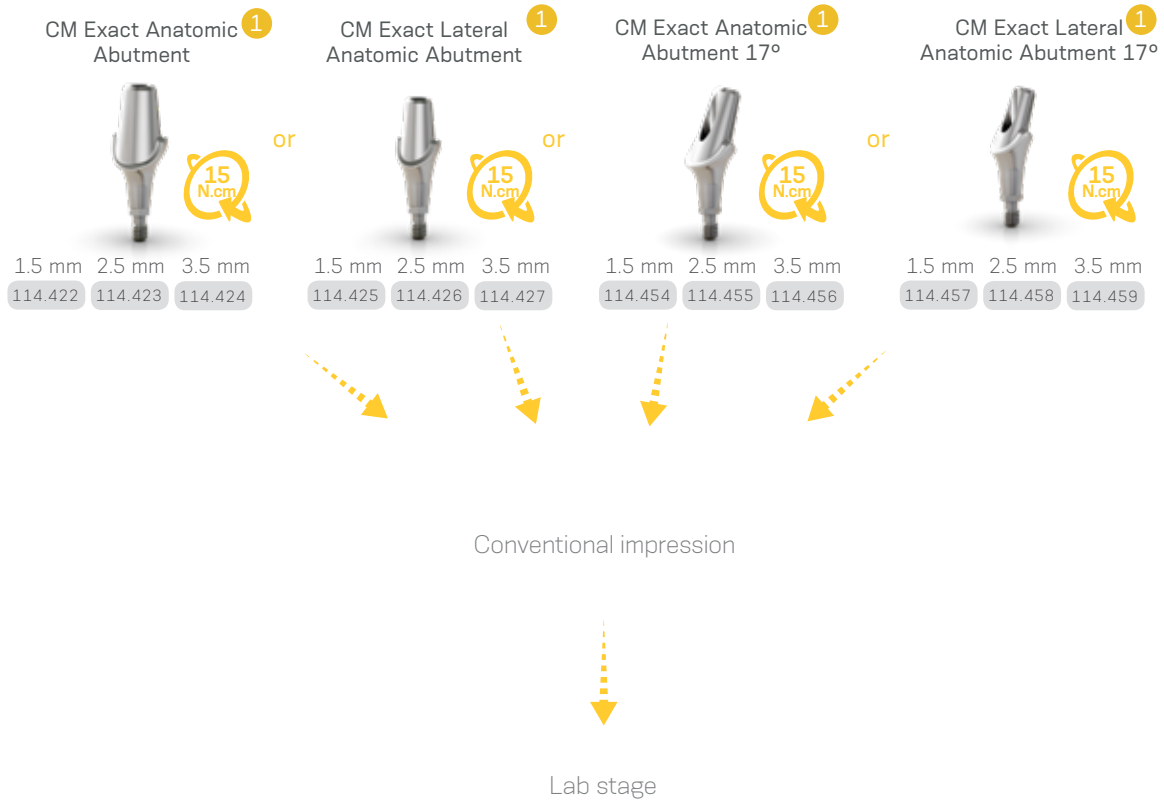
Recommended for anterior area.

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

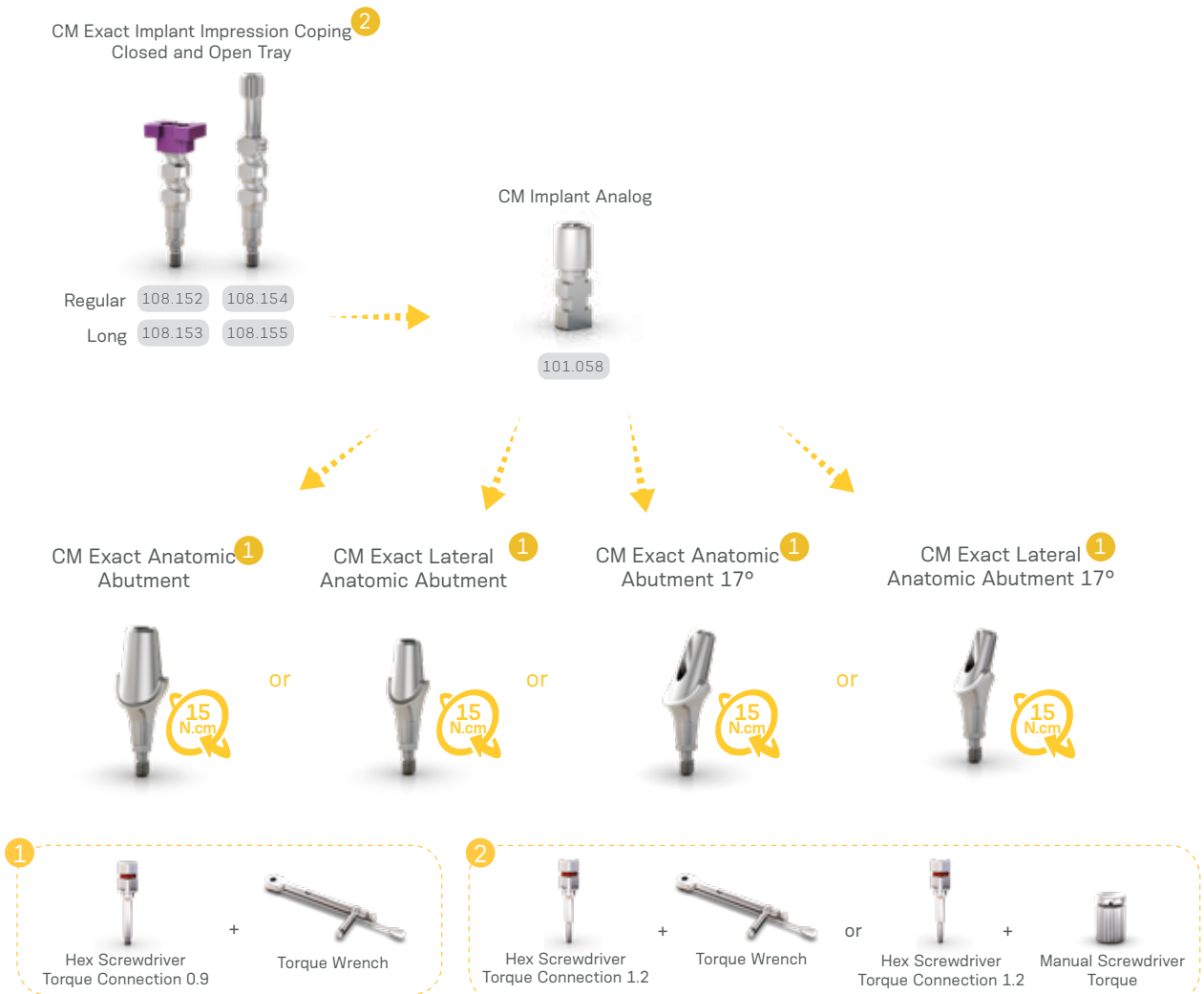


\*Height of CM angled prosthetic abutments available on page 41.

## ➤ Recommended Sequence of Installation



## ➤ Optional Sequence of Installation



# CM Universal Abutment (non-indexed)




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



030

## Accessories

Universal Abutment Set

			
	4 mm	6 mm	
Ø 3.3	108.060	108.061	
Ø 4.5	108.062	108.063	

\*Height of CM angled prosthetic abutments available on page 40.



# Installation Sequence

CM Universal Abutment **2**



CM Universal Abutment 17° **1**



CM Universal Abutment 30° **1**



	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm	1.5 mm	2.5 mm	3.5 mm	1.5 mm	2.5 mm	3.5 mm
4 mm Ø 3.3	114.129	114.077	114.078	114.079	114.136	114.137	114.089	114.090	114.091	114.101	114.102	114.103
4 mm Ø 4.5	114.131	114.080	114.081	114.082	114.142	114.143	114.095	114.096	114.097	114.107	114.108	114.109
6 mm Ø 3.3	114.130	114.086	114.087	114.088	114.139	114.140	114.092	114.093	114.094	114.104	114.105	114.106
6 mm Ø 4.5	114.132	114.083	114.084	114.085	114.145	114.146	114.098	114.099	114.100	114.110	114.111	114.112

**1**

Hex Screwdriver Torque Connection 0.9  
+  
Torque Wrench

**2**

Hex Screwdriver Torque Connection 1.2  
+  
Torque Wrench

or

Hex Screwdriver Torque Connection 1.2  
+  
Manual Screwdriver Torque

Universal Abutment Impression Coping

4 mm Ø 3.3	108.042
4 mm Ø 4.5	108.044
6 mm Ø 3.3	108.043
6 mm Ø 4.5	108.045

Universal Abutment Provisional Coping

4 mm Ø 3.3	118.192
4 mm Ø 4.5	118.194
6 mm Ø 3.3	118.193
6 mm Ø 4.5	118.195

Universal Abutment Analog

4 mm Ø 3.3	101.038
4 mm Ø 4.5	101.040
6 mm Ø 3.3	101.039
6 mm Ø 4.5	101.041

Universal Abutment Burn-out Coping

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

# CM Exact Universal Abutment (indexed)

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



\*Height of CM angled prosthetic abutments available on page 80.

## Installation Sequence

CM Exact Implant Impression Coping  
Closed and Open Tray



108.152 108.154 Regular  
108.153 108.155 Long



CM Implant Analog



101.058



CM Exact Universal Abutment <sup>1</sup>



15 N.cm

or

CM Exact Universal Abutment 17° <sup>1</sup>



15 N.cm

or

CM Exact Universal Abutment 30° <sup>1</sup>



15 N.cm

	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm	1.5 mm	2.5 mm	3.5 mm	1.5 mm	2.5 mm	3.5 mm
4 mm Ø 3.3	114.408	114.360	114.361	114.362	114.363	114.364	114.384	114.385	114.386	114.396	114.397	114.398
4 mm Ø 4.5	114.410	114.357	114.358	114.359	114.372	114.373	114.390	114.391	114.392	114.402	114.403	114.404
6 mm Ø 3.3	114.409	114.366	114.367	114.368	114.369	114.370	114.387	114.388	114.389	114.399	114.400	114.401
6 mm Ø 4.5	114.411	114.340	114.341	114.342	114.375	114.376	114.393	114.394	114.395	114.405	114.406	114.407

1



+



Torque Wrench

Hex Screwdriver Torque Connection 0.9

2



+



Torque Wrench

Hex Screwdriver Torque Connection 1.2

or



+



Manual Screwdriver Torque

Hex Screwdriver Torque Connection 1.2

# CM Titanium Base (indexed)

Used in the digital workflow.

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

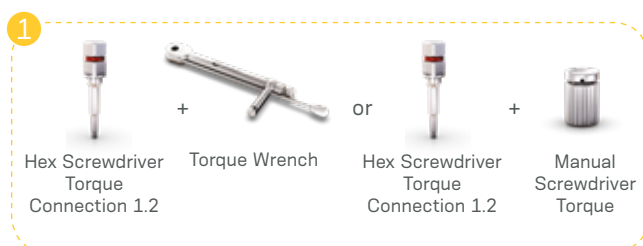
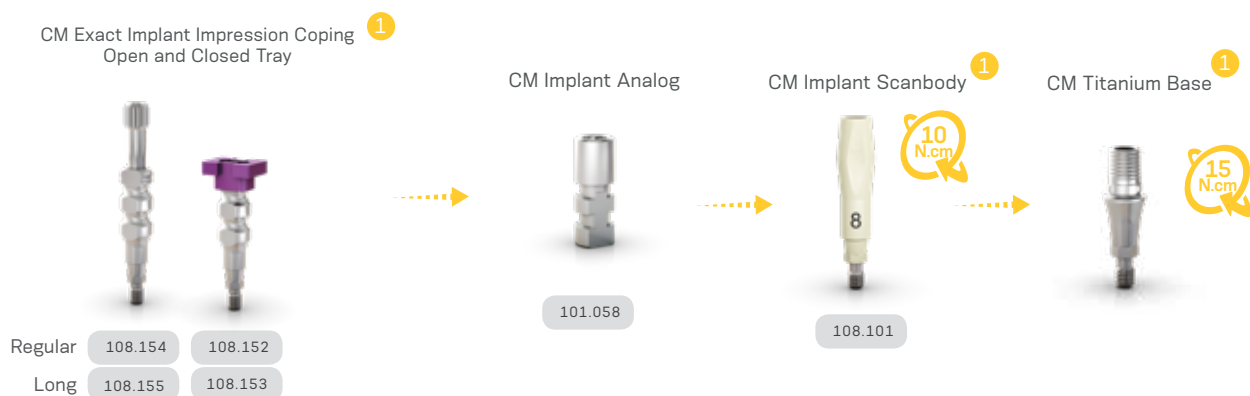


## Complete Digital Workflow



035

## Semi Digital Workflow





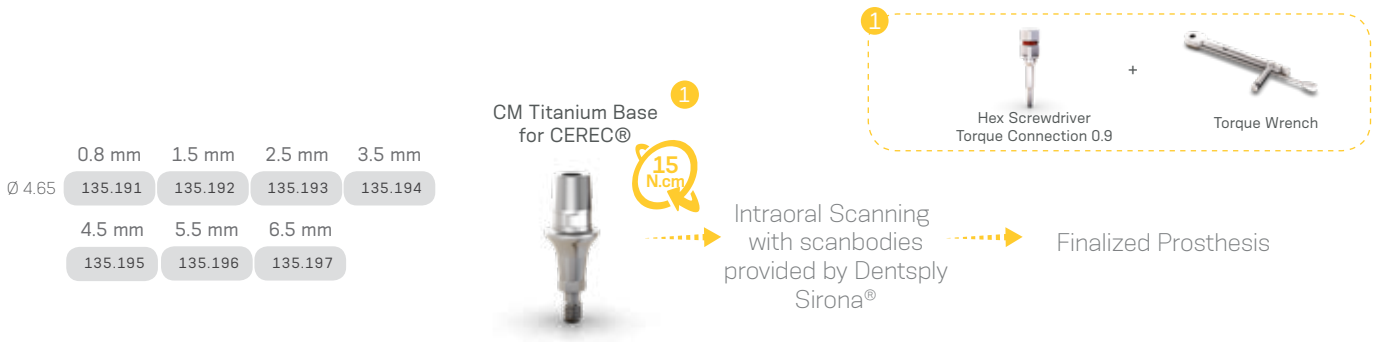
# CM Titanium Base for CEREC® (indexed)

Recommended for customization or laboratory use.

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



## Installation Sequence



## Workflow

### Step 1

Gingiva height selection and ordering.



Select the Neodent Titanium Base for Cerec® gingival height.



Order the Neodent Titanium Base for Cerec®.

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

### Step 2

Intra-oral scanning.



Insert the Neodent Titanium Base for Cerec® in the Neodent implant.



Insert scanbody on the Neodent Titanium Base for Cerec®.

### 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	Scan Body	REF scanbody Omnicam	REF scanbody Bluecam / Ineos	Grinding block	Implant manufacturer	Implant system	Implant diameter		Abutment screw
NBB 3.4 L									
NB A 4.5 L									
SSO 3.5 L	L	6431329	6431303	InCoris Zi meso L	Neodent	CM, HE, iPlus	CM	EH: 3.3 - 4.1/4.3	iPlus
S BL 3.3 L									
S BL 4.1 L									
BO 3.4 L									

### Step 4

Finalisation and fixation.



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

# CM Pro Peek Abutment (indexed)

Biocompatible Peek of easy customization.

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



Temporary single-unit  
screw-retained  
prosthesis



Temporary single-unit  
cement-retained  
prosthesis

Consider in addition 1.5 - 2.0  
mm for the restorative material

Interocclusal height of 9.2  
mm (can be customized up  
to 5.0 mm)

## Installation Sequence

CM Pro Peek Abutment <sup>1</sup>



	0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm
Ø 4.5	114.530	114.531	114.532	114.533	114.534	114.535
Ø 6.0	114.536	114.537	114.538	114.539	114.540	114.541



In mouth customization

<sup>1</sup>



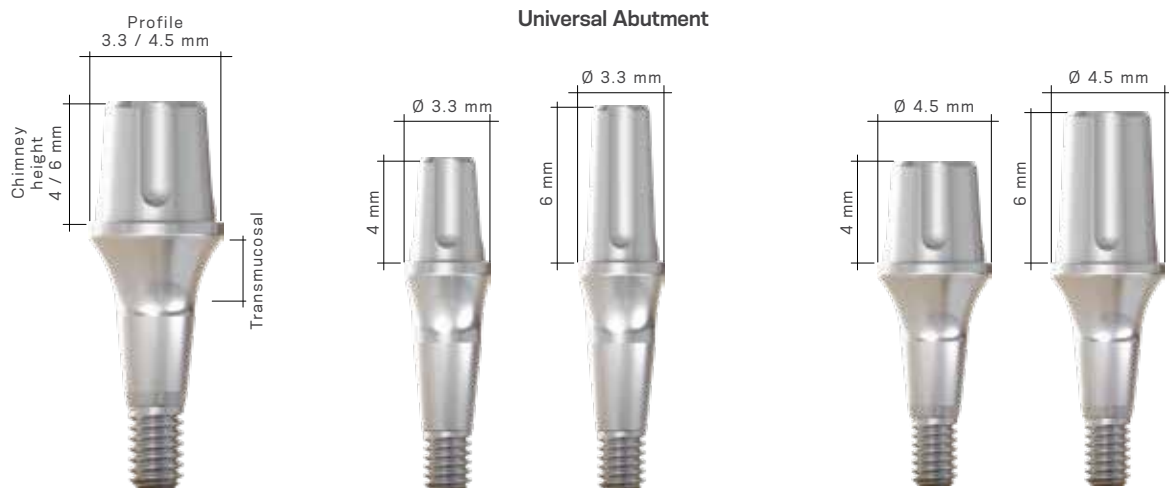
Hex Screwdriver  
Torque Connection 1.2

+



Torque Wrench

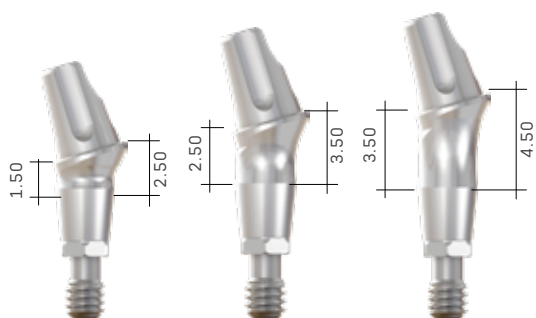
# Abutment Measures



## 17°/30° Universal Abutment

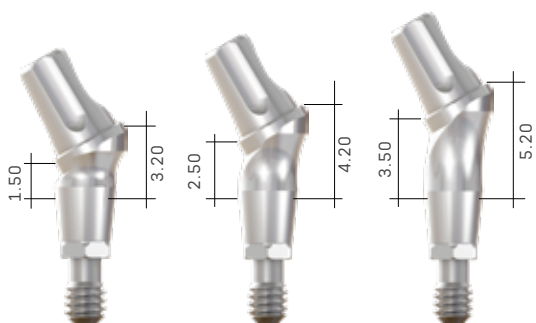
Ø 3.3 / 17°

Ø 4.5 / 17°



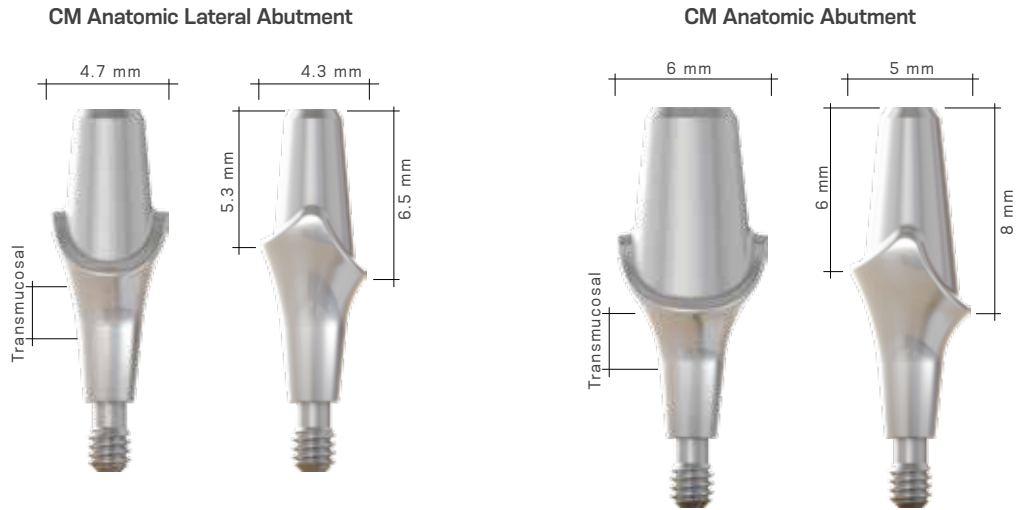
Ø 3.3 / 30°

Ø 4.5 / 30°

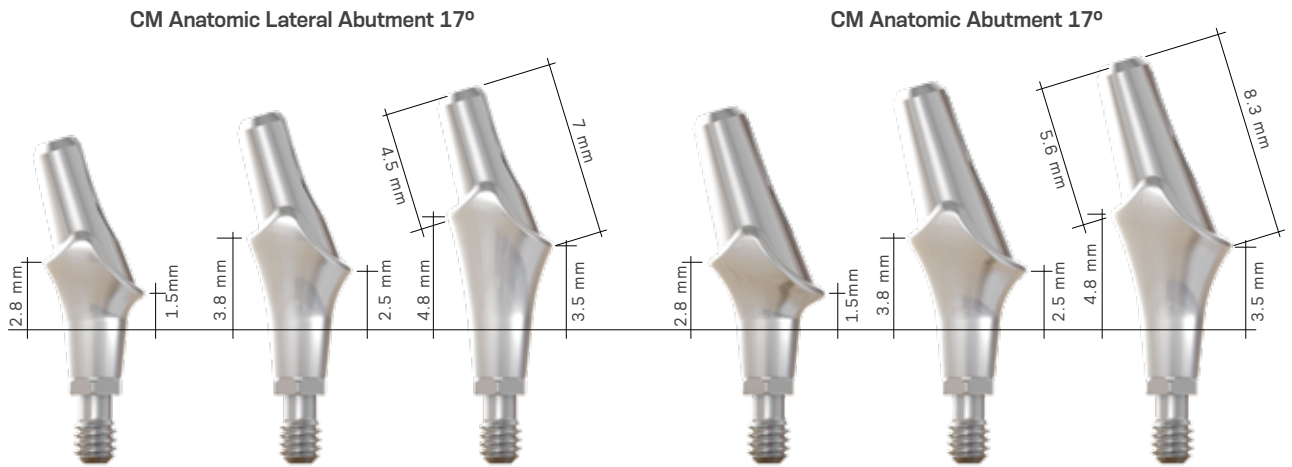




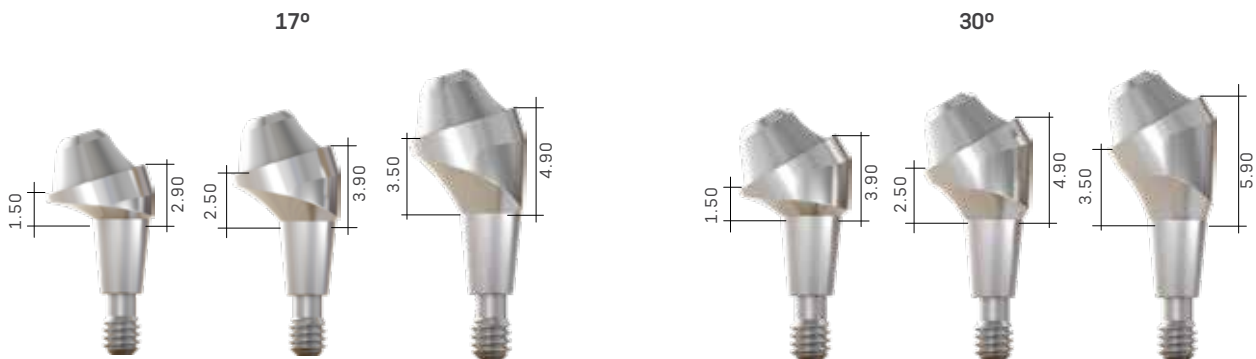
CM Anatomic Abutment



17° Anatomic Abutment



17°/30° Mini Conical Abutment



# CM Equator Attachment

Recommended in-mouth capture, one abutment at a time;

O´ring with Cylinder includes Protection Disk;

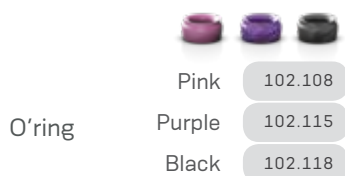
Allows angulation up to 30° between two implants.

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

042



## 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  
CM Equator Attachment



1.5 mm	2.5 mm	3.5 mm
102.132	102.133	102.134
4.5 mm	5.5 mm	
102.135	102.136	

Protection Disk



10 Units


102.077

O'ring with Cylinder




102.107


1




+



or



+



Hex Screwdriver Torque Connection 1.2    Torque Wrench    Hex Screwdriver Torque Connection 1.2    Manual Screwdriver Torque



## ► Surgical Kit

Autoclavable polymer case.



### Articles

110.269	Surgical Kit Case	103.091	Drill Extension
103.170	Initial Drill	105.001	WS® Implant Driver - Torque Wrench (Short)
103.171	Alvim Twist Drill 2.0	105.018	Hex Connection - Torque Wrench (Long)
103.162	Twist Drill 2.0	105.002	WS® Implant Driver - Contra-Angle
103.213	Pilot Drill 2.0/3.0	105.073	CM Implant Driver - Torque Wrench (Short)
103.163	Twist Drill 2.8	105.074	CM Implant Driver - Torque Wrench (Long)
103.164	Twist Drill 3.0	105.075	CM Implant Driver - Contra-Angle
103.166	Twist Drill 3.3	105.104	Contra-Angle Facility Connection
103.167	Twist Drill 3.8	105.109	Long Facility Connection For Torque Wrench
103.168	Twist Drill 4.3	128.015	CM Height Measurer
103.172	Alvim Drill 3.5	128.027	Facility Height Measurer
103.173	Alvim Drill 4.3	128.019	Direction Indicator 2.8/3.5
103.174	Alvim Drill 5.0	128.020	Direction Indicator 3.0/3.75
103.216	CM Pilot Drill 2.8/3.5	128.021	Direction Indicator 3.3/4.0
103.217	CM Pilot Drill 3.0/3.75	128.022	Direction Indicator 3.6/4.3
103.218	CM Pilot Drill 3.3/4.0	128.023	Direction Indicator 4.3/5.0
103.219	CM Pilot Drill 3.6/4.3	104.056	Facility® Abutment Placement Aid
103.220	CM Pilot Drill 4.3/5.0	104.041	Manual Screwdriver (Medium) 0.9 mm
103.331	Facility® Twist Drill 2.0	104.012	Manual Screwdriver (Medium) 1.2 mm
103.341	Facility® Drill 10	104.028	Manual Implant Driver - Contra-Angle
103.342	Facility® Drill 12	104.050	Torque Wrench
103.343	Facility® Drill 14	129.004	Depth Probe
111.035	Facility® Bone Tap	129.001	Titanium Tweezers
105.111	Bone Tap Connection Facility® For Torque Wrench		

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

## ► Compact Surgical Kit

Autoclavable polymer case.



### Articles

110.268	Compact Surgical Kit Case	103.091	Drill Extension
103.170	Initial Drill	105.073	CM Implant Driver - Torque Wrench (Short)
103.162	Twist Drill 2.0	105.074	CM Implant Driver - Torque Wrench (Long)
103.213	Pilot Drill 2.0/3.0	105.075	CM Implant Driver - Contra-Angle
103.163	Twist Drill 2.8	128.019	Direction Indicator 2.8/3.5
103.164	Twist Drill 3.0	128.020	Direction Indicator 3.0/3.75
103.172	Alvim® Drill 3.5	128.022	Direction Indicator 3.6/4.3
103.173	Alvim® Drill 4.3	104.041	Manual Screwdriver (Medium) 0.9
103.216	CM Pilot Drill 2.8/3.5	104.012	Manual Screwdriver (Medium) 1.2
103.217	CM Pilot Drill 3.0/3.75	104.050	Torque Wrench
103.219	CM Pilot Drill 3.6/4.3		

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

## ► Compact Surgical Kit for Conical Implants

Autoclavable polymer case.



047

### Articles

110.278	Compact Surgical Kit for Conical Implants
103.170	Initial Drill
103.171	Alvim® Twist Drill 2.0
103.172	Alvim® Drill 3.5
103.173	Alvim® Drill 4.3
103.174	Alvim® Drill 5.0
103.216	CM Pilot Drill 2.8/3.5
103.219	CM Pilot Drill 3.6/4.3
103.220	CM Pilot Drill 4.3/5.0
103.091	Drill Extension
105.073	CM Implant Driver - Torque Wrench (Short)
105.074	CM Implant Driver - Torque Wrench (Long)
105.075	CM Implant Driver - Contra-Angle

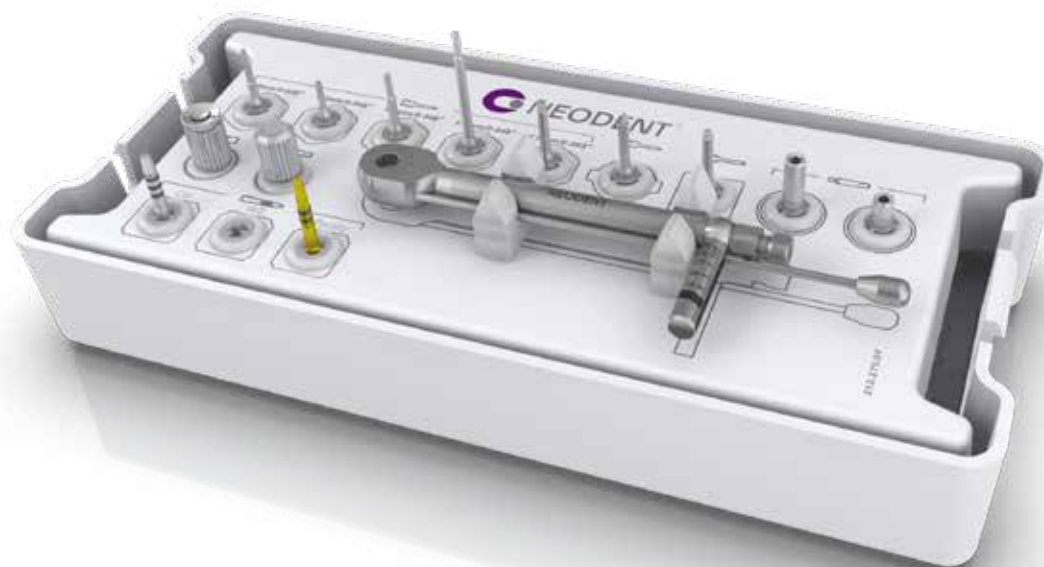
105.001	WS® Implant Driver - Torque Wrench (Short)
105.002	WS® Implant Driver - Contra Angle
111.036	Alvim® Bone Tap 3.5
111.037	Alvim® Bone Tap 4.3
111.038	Alvim® Bone Tap 5.0
104.041	Manual Screwdriver (Medium) 0.9
104.012	Manual Screwdriver (Medium) 1.2
128.015	CM Height Measurer
128.019	Direction Indicator 2.8/3.5
128.022	Direction Indicator 3.6/4.3
128.023	Direction Indicator 4.3/5.0
104.050	Torque Wrench
129.001	Titanium Tweezers

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



## ► Prosthetic Kit

Autoclavable polymer case.



048

### Articles

110.267	Prosthetic Kit Case
105.065	Hex Screwdriver Torque Connection 0.9
105.041	Hex Screwdriver Torque Connection (Short) 1.2
105.005	Hex Screwdriver Torque Connection 1.2
105.006	Hex Screwdriver Torque Connection 1.6
105.007	Slot Screwdriver Torque Connection
105.008	Square Screwdriver Torque Connection
105.009	Prosthetic Abutment Driver
105.044	Prosthetic Abutment Driver (Short)
105.071	Torque Connection (Long) 1.2
128.015	CM Height Measurer
128.027	Facility® Height Measurer
104.005	Manual Screwdriver Torque
104.016	Impression Coping Driver - Closed-Tray
104.050	Torque Wrench

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

## ► CM Try-In Kit

Autoclavable polymer case;  
Suitable for better planning of Morse Taper prosthetic components.



## Articles

110.266	CM Try-In Kit Case	114.216	CM Abutment Try-In 4.5X6x4.5
114.191	CM Abutment Try-In 3.3X4x0.8	114.217	CM Abutment Try-In 4.5X6x5.5
114.192	CM Abutment Try-In 3.3X4x1.5	114.218	CM Abutment Try-In 4.5X6x6.5
114.193	CM Abutment Try-In 3.3X4x2.5	114.219	CM Abutment Try-In 17° 3.3X6x1.5
114.194	CM Abutment Try-In 3.3X4x3.5	114.220	CM Abutment Try-In 17° 3.3X6x2.5
114.195	CM Abutment Try-In 3.3X4x4.5	114.221	CM Abutment Try-In 17° 3.3X6x3.5
114.196	CM Abutment Try-In 3.3X4x5.5	114.222	CM Abutment Try-In 30° 3.3X6x1.5
114.197	CM Abutment Try-In 3.3X4x6.5	114.223	CM Abutment Try-In 30° 3.3X6x2.5
114.198	CM Abutment Try-In 3.3X6x0.8	114.224	CM Abutment Try-In 30° 3.3X6x3.5
114.199	CM Abutment Try-In 3.3X6x1.5	114.230	WS Abutment Try-In 4.5X6x0.8
114.200	CM Abutment Try-In 3.3X6x2.5	114.231	WS Abutment Try-In 4.5X6x1.5
114.201	CM Abutment Try-In 3.3X6x3.5	114.232	WS Abutment Try-In 4.5X6x2.5
114.202	CM Abutment Try-In 3.3X6x4.5	114.233	WS Abutment Try-In 4.5X6x3.5
114.203	CM Abutment Try-In 3.3X6x5.5	104.012	Manual Screwdriver (Medium) 1.2
114.204	CM Abutment Try-In 3.3X6x6.5	114.226	CM Anatomic Abutment Try-In 1.5
114.205	CM Abutment Try-In 4.5X4x0.8	114.227	CM Anatomic Abutment Try-In 2.5
114.206	CM Abutment Try-In 4.5X4x1.5	114.228	CM Anatomic Abutment Try-In 3.5
114.207	CM Abutment Try-In 4.5X4x2.5	114.335	CM Lateral Anatomic Abutment Try-In 1.5
114.208	CM Abutment Try-In 4.5X4x3.5	114.336	CM Lateral Anatomic Abutment Try-In 2.5
114.209	CM Abutment Try-In 4.5X4x4.5	114.337	CM Lateral Anatomic Abutment Try-In 3.5
114.210	CM Abutment Try-In 4.5X4x5.5	114.450	Facility® Anatomic Abutment Try-In 1.5
114.211	CM Abutment Try-In 4.5X4x6.5	114.451	Facility® Anatomic Abutment Try-In 2.5
114.212	CM Abutment Try-In 4.5X6x0.8	114.452	Facility® Anatomic Abutment Try-In 3.5
114.213	CM Abutment Try-In 4.5X6x1.5		
114.214	CM Abutment Try-In 4.5X6x2.5		
114.215	CM Abutment Try-In 4.5X6x3.5		

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





### Initial Drill

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

103.170



### Alvim® Drills

- :: Available in surgical steel;
- :: Instrument sequence for surgical alveolus in Alvim®/Drive® Implants.

	Ø 2.0	Ø 3.5	Ø 4.3	Ø 5.0
Short 31 mm	103.232	103.233	103.234	103.235
Regular 35 mm	103.171	103.172	103.173	103.174
Long 43 mm	103.072	103.120	103.121	103.122



### Twist Drills

- :: Available in surgical steel;
- :: Instrument sequence for surgical alveolus in Titamax® 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/Countersink

- :: 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.

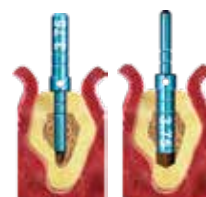
2/3	2.8/3.5	3/3.75	3.3/4	4.3/5
103.213	103.216	103.217	103.218	103.220



### Direction Indicators

- :: Available in titanium;
- :: Instrument to guide the implant position;
- :: Diameter of central band corresponds to CM 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



### CM Implant Driver - Contra-Angle



- :: To place CM 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: 30 N.cm.

105.075

### CM Implant Driver - Torque Wrench



- :: For placement CM 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: 60N.cm.

Short

Long

105.073

105.074

### Alvim® Bone Tap



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

Ø 3.5

Ø 4.3

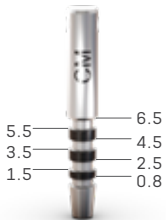
Ø 5.0

111.036

111.037

111.038

### CM Height Measurer



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

128.015

### 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.

103.091



### 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

104.028

Torque Wrench

104.005



### CM Bone Profile Drill

- :: Available in surgical steel;
- :: Conforms the bone around the implant platform, preparing an emergence profile compatible with the prosthetic abutment's profile.

103.378



### 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
---------	---------	---------



### Implant Removal

:: Available in surgical steel.

CM

130.050



### Abutment Screw Removal

:: Available in surgical steel;  
:: Removal of prosthetic abutments and screws with stripped hexagon.

0.9

130.070

1.2

130.071



### Tapered X-Ray Positioner Alvim®/ Drive®

:: Available in titanium;  
:: Used to verify the depth of osteotomy without opening flaps;  
:: Suggested use: a periapical x-ray to evaluate.

Ø 3.5

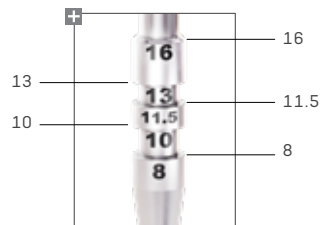
129.009

Ø 4.3

129.013

Ø 5.0

129.014



### 17°/30° 2.0 Drill Positioner

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

30°

128.018

17°

128.017



### Torque Wrench

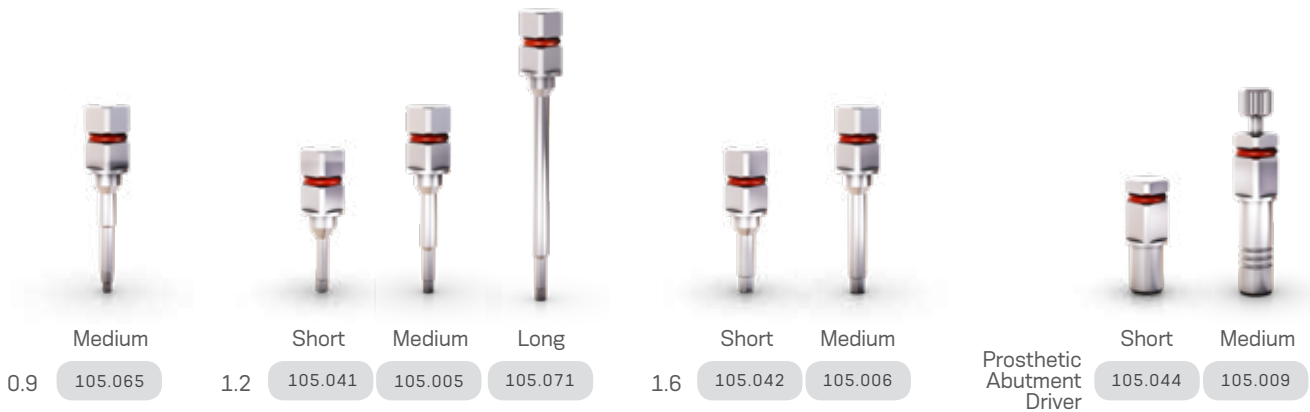
- :: Available in surgical steel;
- :: Fitting for square connections;
- :: Collapsible Wrench that allows for proper assembly cleaning.

104.050



### Screwdrivers

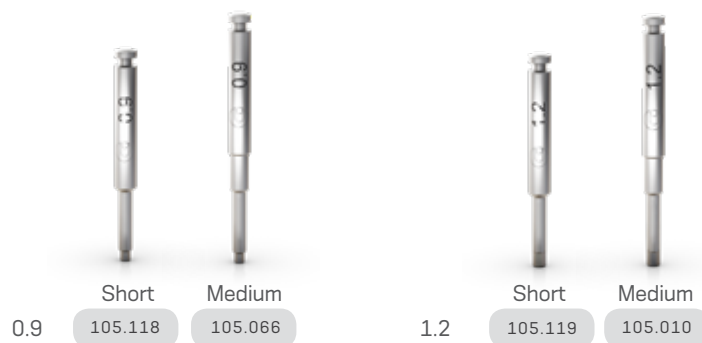
- :: Please note the screwdriver that matches the screw in the prosthetic abutment;
- :: To control the torque, the screwdriver should be adapted to a Torque Wrench (104.050);
- :: For hand or finger torque, the screwdriver should be adapted to a Manual Driver (104.005).



055

### Drivers for Contra-angle

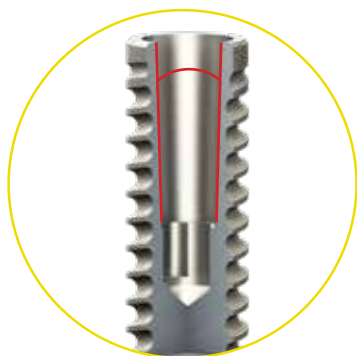
- :: Available in surgical steel;
- :: Please note the screwdriver that matches the screw in the prosthetic abutment;





# Facility<sup>®</sup> Implants

5° Cone Morse Connection



057

## ABUTMENT INDICATION TABLE



<b>FACILITY<sup>®</sup></b>	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<sup>®</sup>

## PRODUCT FEATURES:

### Implants Description:

- 2.9 mm small diameter implant;
- Double lead thread design;
- Cylindrical implant;
- Facility<sup>®</sup> 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<sup>®</sup> or

acqua<sup>™</sup>


### 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<sup>®</sup> Micro Abutment

060



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

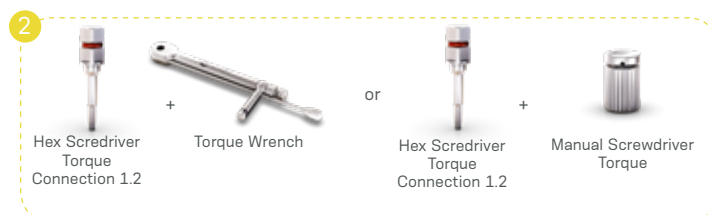
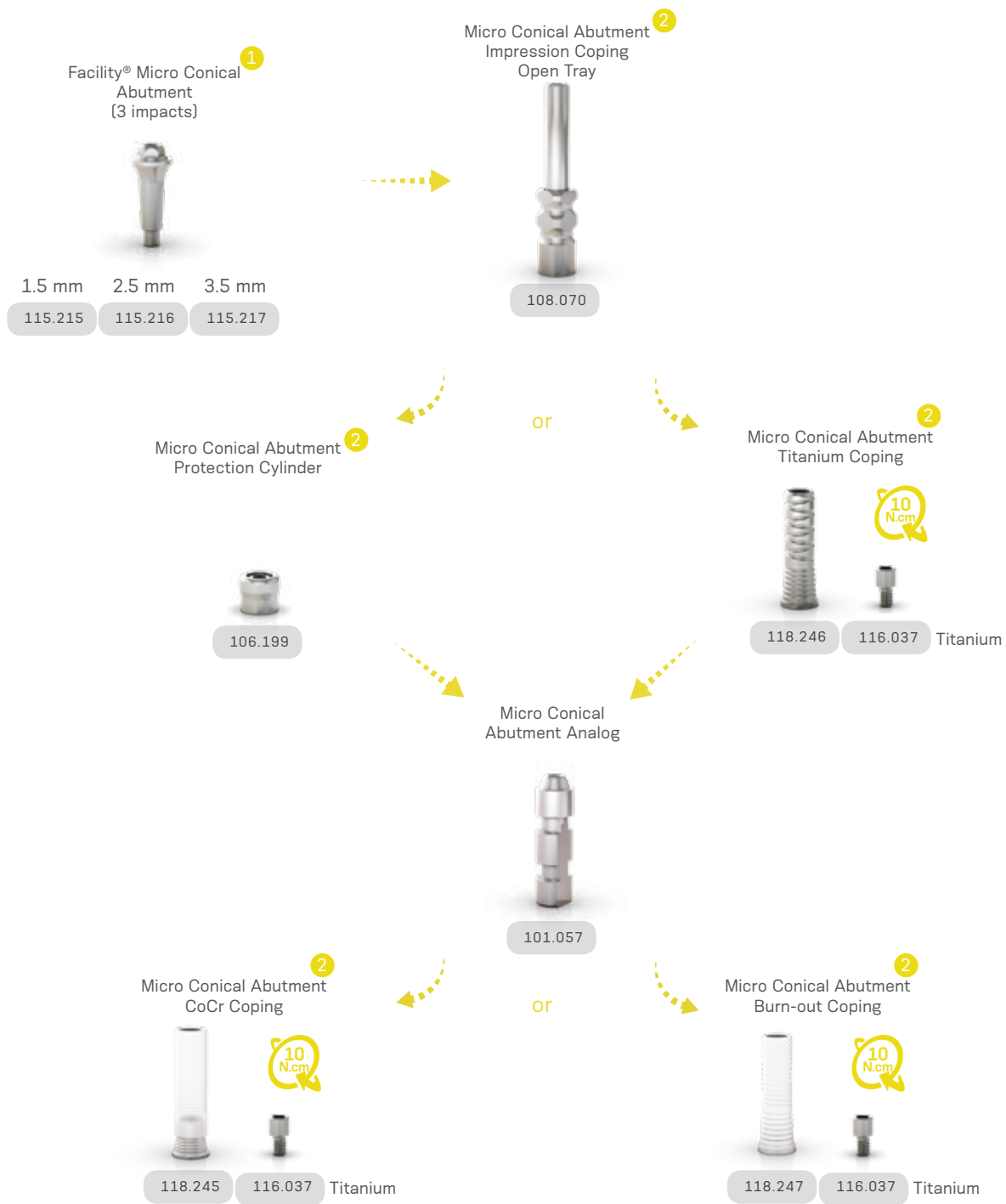
## ➤ Accessories

Micro Conical Abutment Polishing Protector



123.015

## Installation Sequence





# Facility<sup>®</sup> Anatomic Abutment

Recommended for anterior zone.



Single-unit  
cement-retained  
prosthesis

## Installation Sequence

1  
Facility® Implant  
Impression Coping  
Closed Tray  
(1 impact)



108.107



1  
Facility® Healing  
Abutment  
(1 impact)



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<sup>®</sup> Equator Attachment

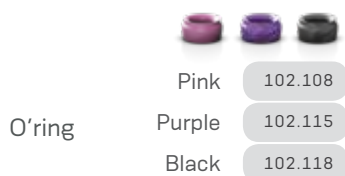
Overdenture prostheses.

Allows 30° angulation between two implants.

064



## ► 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

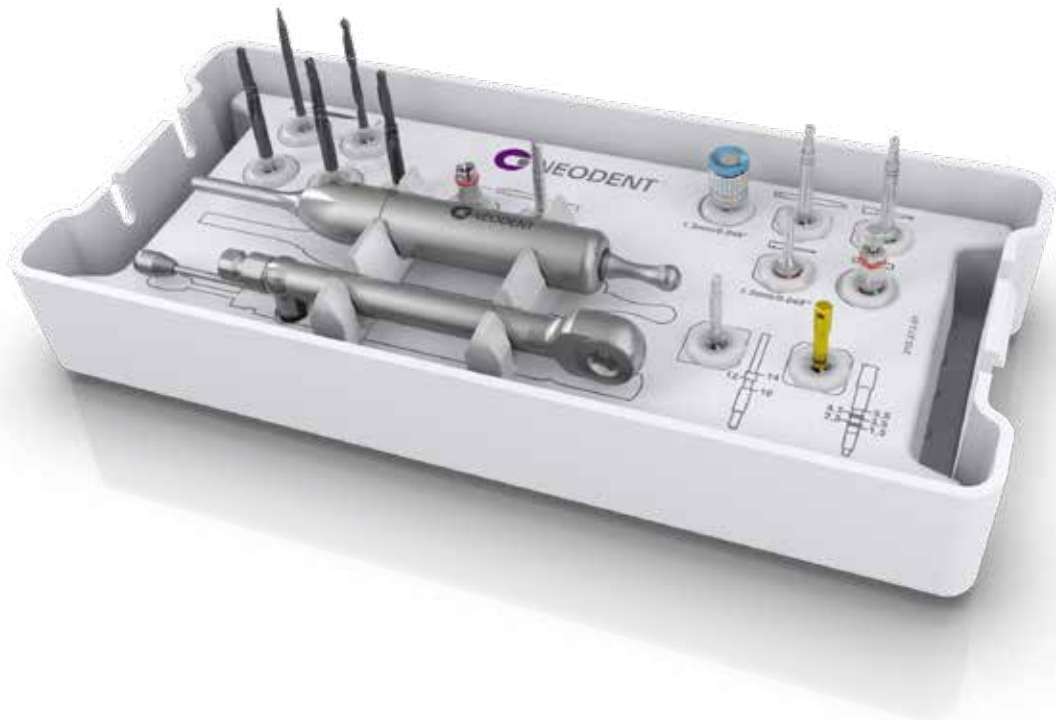


Facility® Abutment  
Placement Aid



## ► Facility® Kit

Autoclavable polymer case.



067

### 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® 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 torque 35 N.cm;  
 :: For driver 105.109 maximum torque 45 N.cm.

Contra-angle

105.104

Torque Wrench

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

104.028

Torque Wrench

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.

103.091



### Facility® X-Ray Positioner



129.016



### Implant Removal

:: Available in surgical steel.

130.052



### 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

### 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.

104.050



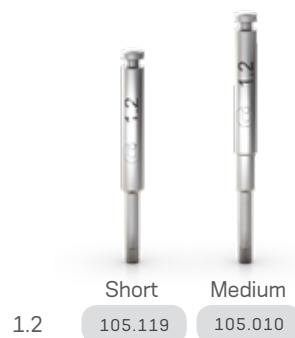
### Screwdrivers

:: 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).



### Drivers for Contra-angle

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



—  
WS®

# WS<sup>®</sup> Implants



:: Note: the WS<sup>®</sup> implant has a specific abutment line.

:: The left image shows the mismatch between the CM abutment with the WS implants. The picture on the right shows the proper fit between the WS<sup>®</sup> abutments and the WS<sup>®</sup> implants.

## ABUTMENT INDICATION TABLE



	WS	Screw-retained Protheses	Cement-retained Protheses	Overdenture	Hybrid
Inner Thread Ø 1.8	4.0 mm 5.0 mm 6.0 mm	<ul style="list-style-type: none"> <li>•WS Abutment (single-unit)</li> <li>•WS Mini Conical Abutment (multiple-unit)</li> </ul>	<ul style="list-style-type: none"> <li>•WS Universal Abutment (single-unit)</li> </ul>		<ul style="list-style-type: none"> <li>•WS Mini Conical Abutment</li> </ul>
					<p><b>One Step Hybrid Technique</b></p> <ul style="list-style-type: none"> <li>•Castable Mini Conical One Step Hybrid Coping</li> <li>•Titanium Mini Conical One Step Hybrid Coping</li> <li>•Brass Mini Conical One Step Hybrid Coping</li> </ul>

# 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



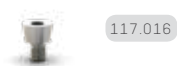
	Initial	Ø 2.0	Ø 2/3	Ø 3.0	Ø 3.3	Ø 3/3.75	Ø 3.3/4.0	Ø 3.8	Ø 3.8/4.3	Ø 4.3	Ø 4.3/5.0	Ø 4.3/5.3	Ø 5.3	Ø 5.3/6.0
	103.170	103.162	103.213	103.164	103.166	103.217	103.218	103.167	103.214	103.168	103.220	103.215	103.169	103.221
Ø 4.0 mm	✓	✓	✓	✓	✓		✓							
Ø 5.0 mm	✓	✓	✓	✓		✓		✓	✓	✓	✓			
Ø 6.0 mm	✓	✓	✓	✓	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

Bone types I and II 

### Titamax WS® Implants

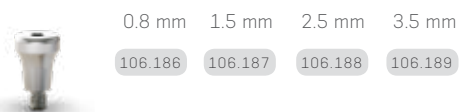
	5.0 mm	6.0 mm
Ø 4.0		
	NeoPoros	109.605
Ø 5.0		
	NeoPoros 109.574	109.575
Ø 6.0		
	NeoPoros 109.576	109.577

### WS® Cover Screw



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

### WS® Healing Abutments



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

# WS<sup>®</sup> Abutment

Recommended for posterior regions.

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

076



## ➤ Accessories

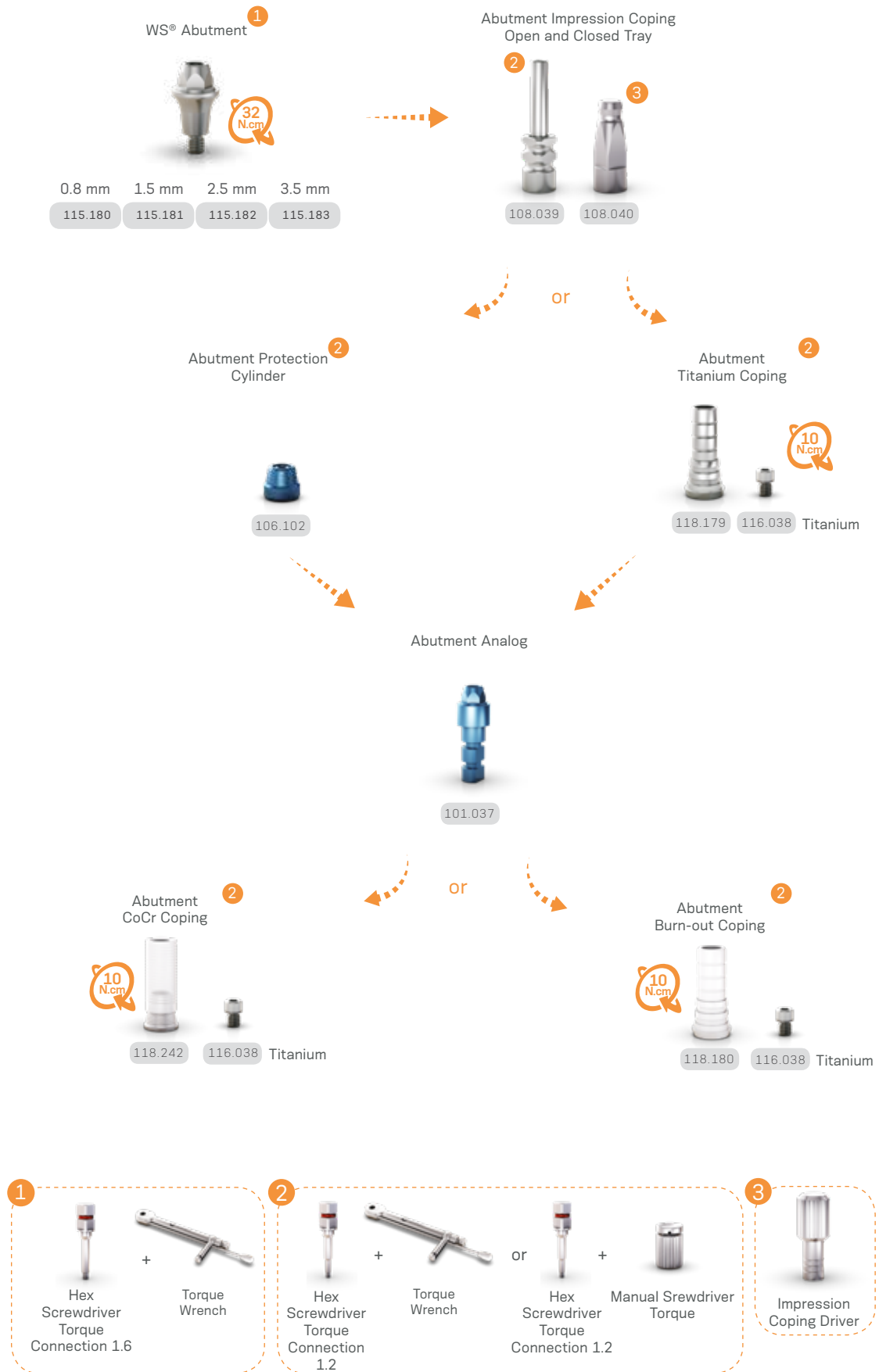
Abutment Polishing Protector



123.012



## Installation Sequence



# WS<sup>®</sup> Mini Conical Abutment

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

078



## Accessories

Mini Conical Abutment  
Polishing Protector



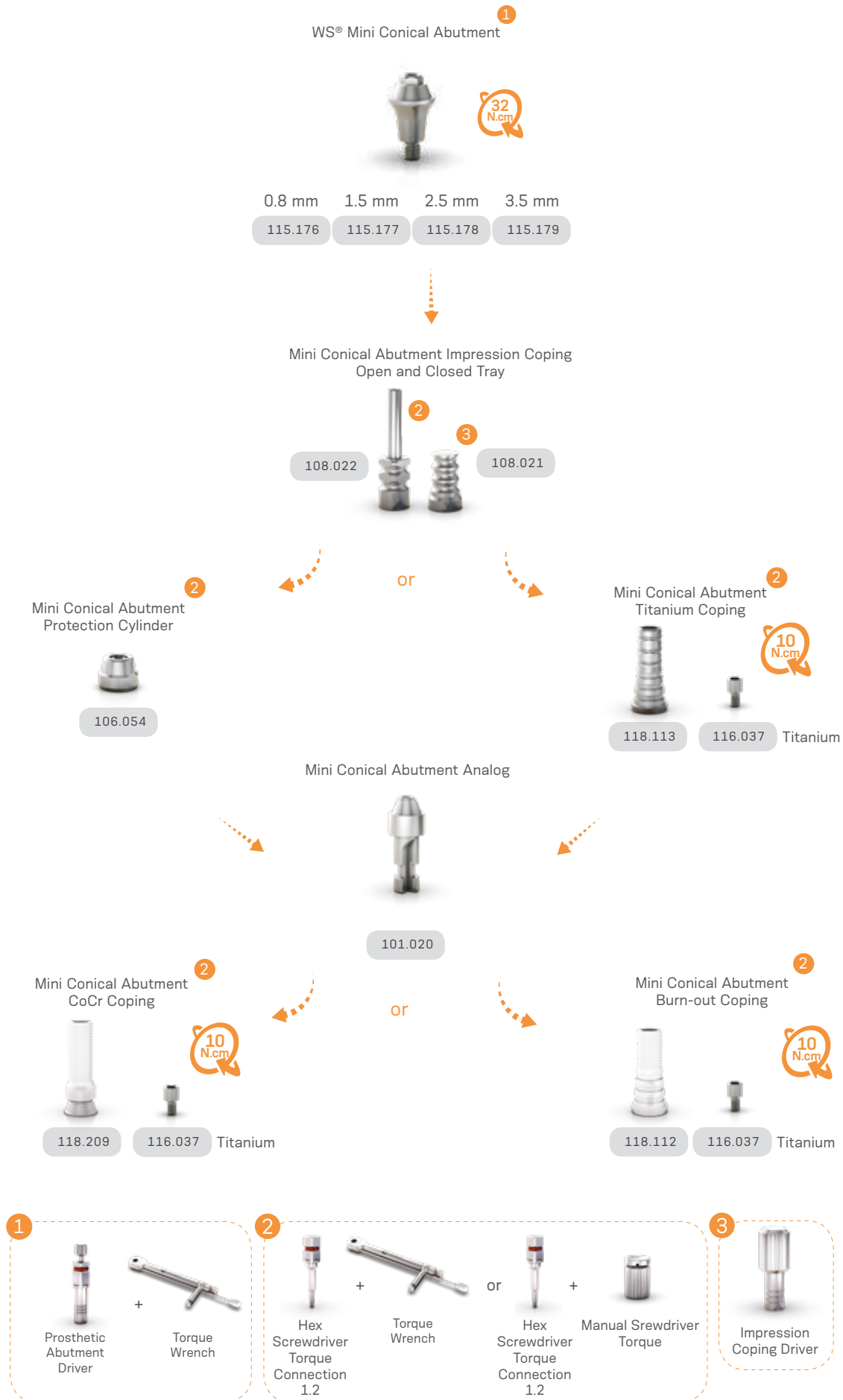
123.008

Mini Conical Abutment  
Impression Coping  
Multifunctional



108.068

# Installation Sequence



# WS<sup>®</sup> Universal Abutment

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



Single-unit  
cement-retained  
prosthesis



080

## ► Accessories

Universal Abutment Set



4 mm

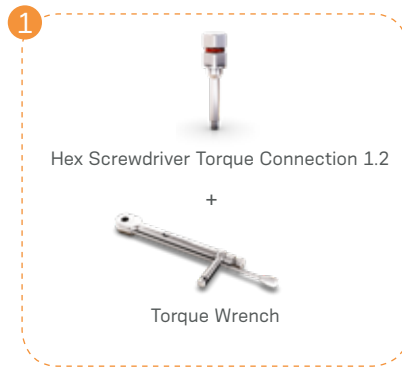
6 mm

Ø 4.5

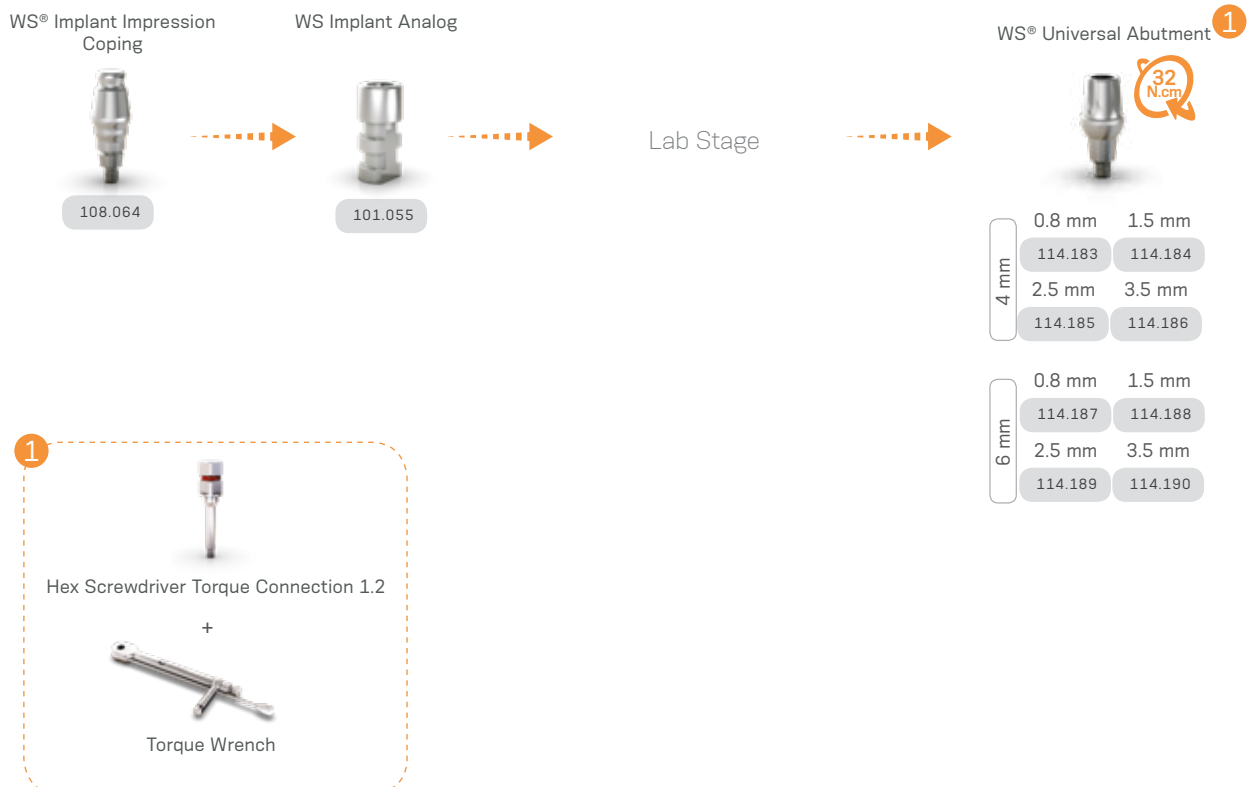
108.062

108.063

## ➤ Recommended Sequence of Installation



## ➤ Optional Sequence of Installation



—  
WS<sup>®</sup> 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	Ø 5.3
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	103.169
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.

103.091



### Torque Wrench

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

104.050



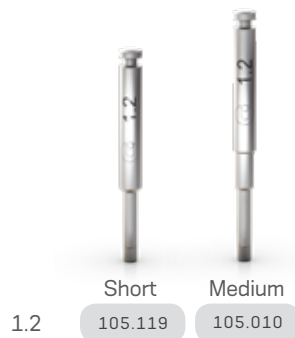
### Screwdrivers

- :: 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).



### Drivers for Contra-angle

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

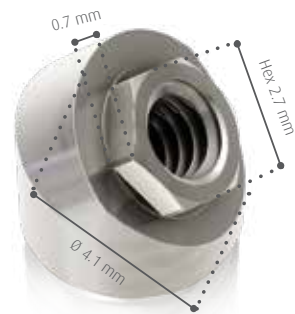


—  
ZYGOMATIC

# Zygomatic Implants



087

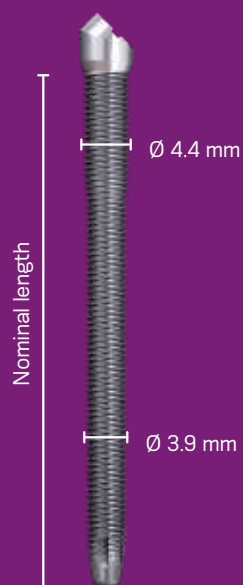


The acquisition of products of this technique requires specific accreditation

# Zygomatic CM

## PRODUCT FEATURES:

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



## Drill Sequence



Bone types III and IV

## Zygomatic CM Implants



### CM Zygomatic Cover Screw

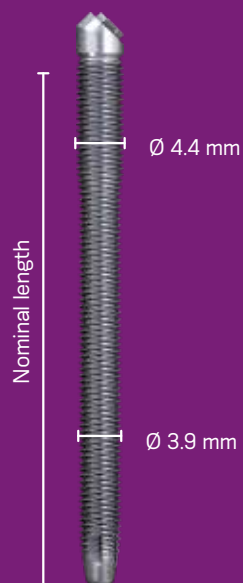
- :: Use Manual Screwdriver 1.2 mm (104.012) for placement;
- :: Do not exceed 10 N.cm torque.

117.016

# Zygomatic HE


## PRODUCT FEATURES:

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

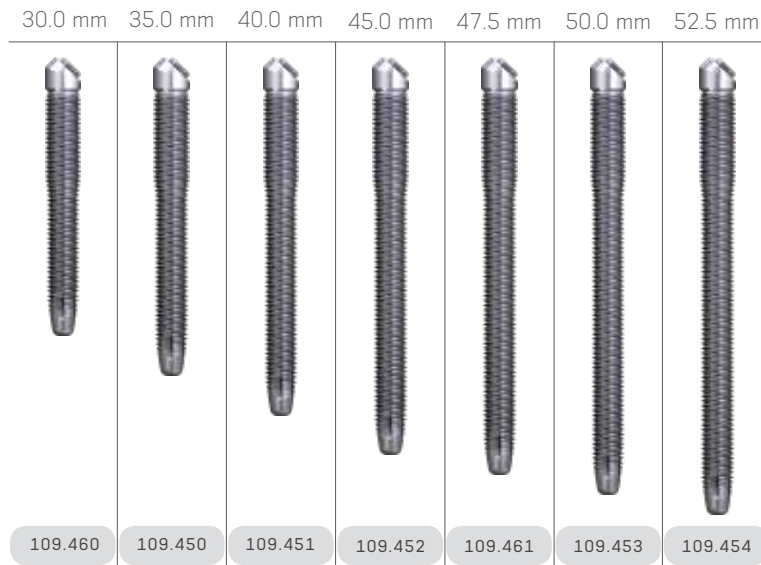


## Drill Sequence



Bone types III and IV 

## Zygomatic HE Implants



### 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



092

Minimum interocclusal  
space of 4.5 mm from  
mucosa level

CM Zygomatic Implant  
compatible with WS Mini  
Conical Abutment

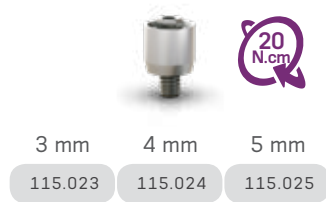


## ► Installation Sequence

CM Transepithelial Abutment <sup>1</sup>



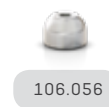
HE Transepithelial Abutment <sup>1</sup>



Transepithelial Abutment Impression Coping <sup>2</sup>  
Open Tray



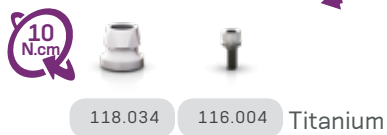
Transepithelial Abutment Protection Cylinder <sup>2</sup>



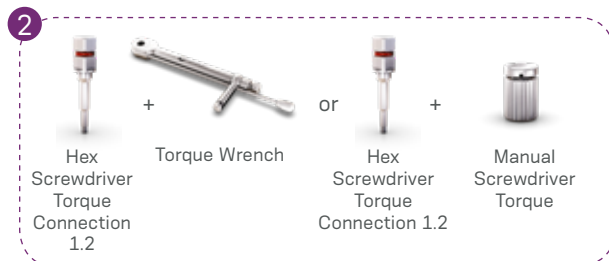
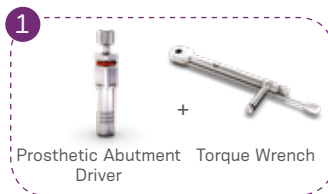
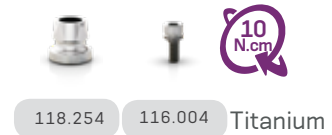
Transepithelial Abutment Analog



Transepithelial Abutment <sup>2</sup>  
Burn-out Coping



Transepithelial Abutment <sup>2</sup>  
CoCr Coping



# — ZYGOMATIC KIT

## ► Zygomatic Kit

:: Autoclavable polymer case.



095

### 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

103.190

Ø 2.7

103.191

Ø 2.7/3.3

103.192

Ø 3.3

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

104.039

Medium  
25 mm

104.041

Long  
38 mm

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

104.007

Medium  
25 mm

104.012

Long  
38 mm

104.010

### Torque Wrench

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

104.050



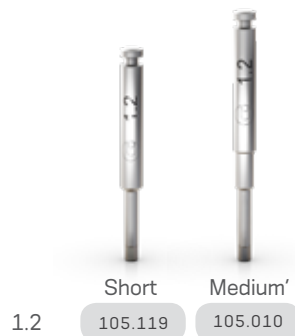
### Screwdrivers

- :: 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).



### Drivers for Contra-angle

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







---

# 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 ( $\varnothing$  1.3 mm) and 20 N.cm ( $\varnothing$  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	

## ➤ 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

105.063

Contra-  
Angle

105.023



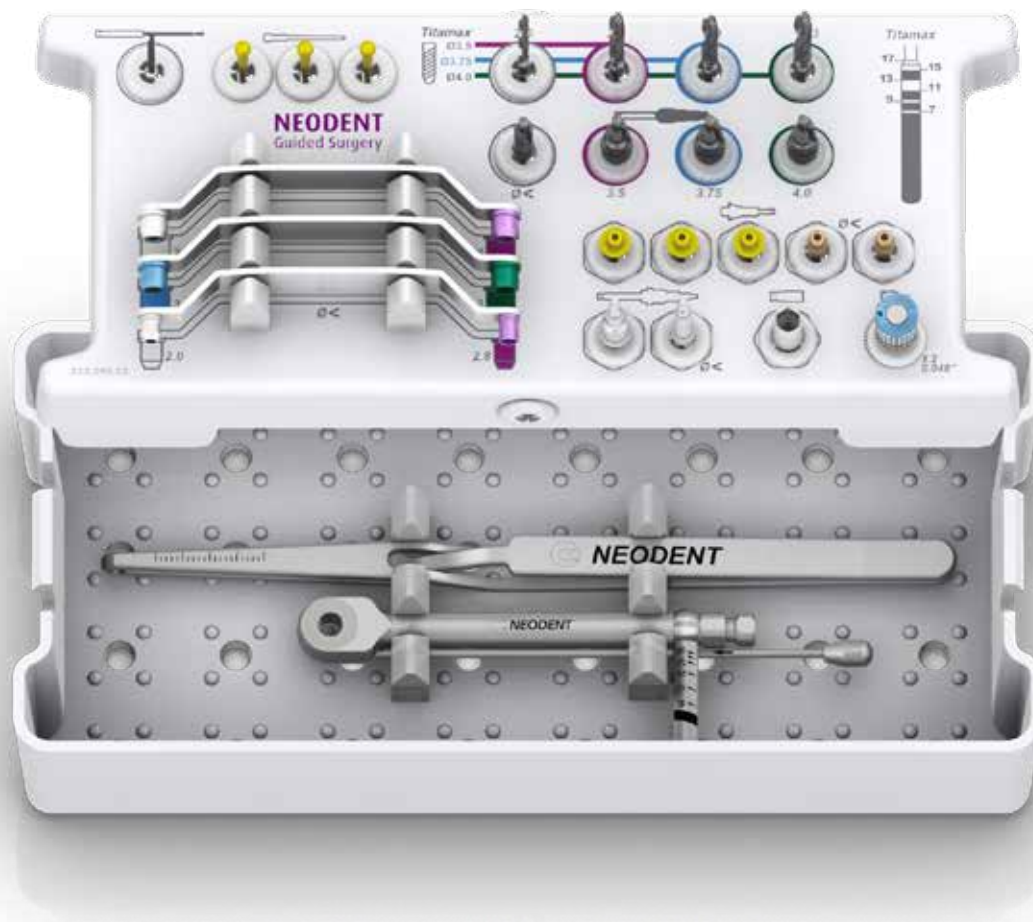


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NEODENT®  
TECHNIQUES

## ► Titamax™ Guided Surgery Surgical Kit

- :: Specific items for the Guided Surgery technique;
- :: Autoclavable polymer case;
- :: Screws, drivers and instruments required for the Neodent® Guided Surgery technique;
- :: Technique indicated to virtual planning and flapless surgical procedure.



112

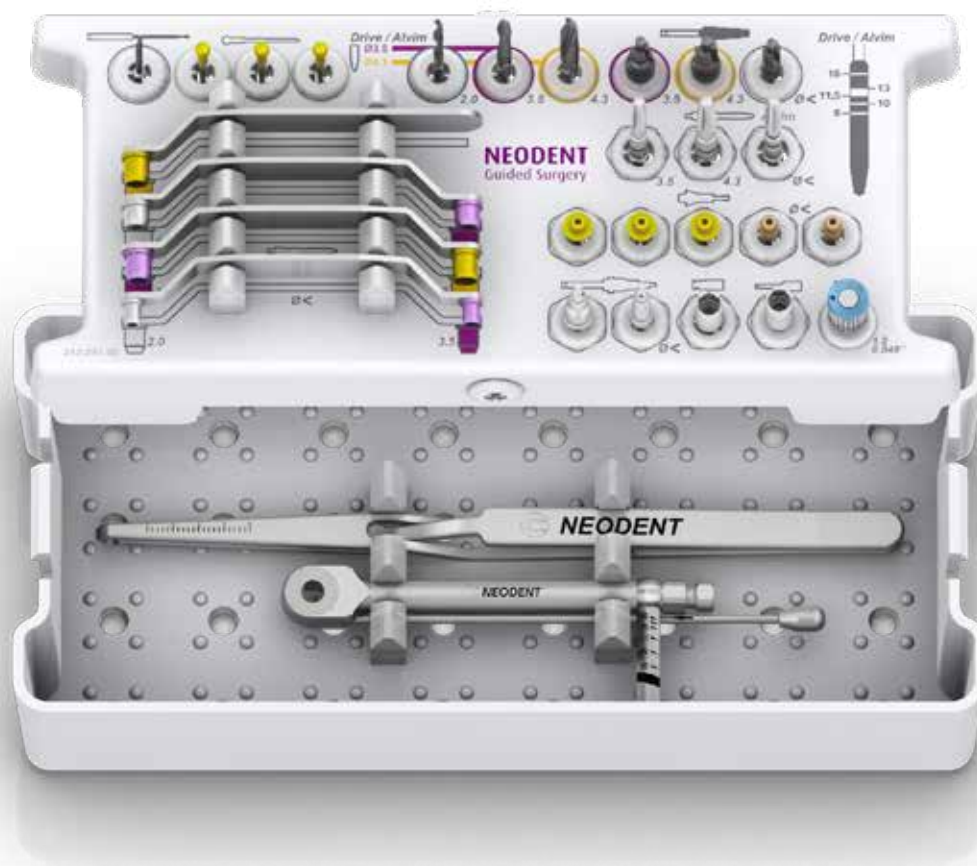
## Articles

110.285	1	Titamax™ Guided Surgery Surgical Kit Case	105.126	1	Narrow Guided Surgery CM Connection Contra-Angle
103.395	1	Guided Surgery Drill 1.3	105.127	1	Guided Surgery CM Connection Contra-Angle
103.391	1	Titamax™ Guided Surgery Drill 2.0	104.012	1	1.2 Driver
103.392	1	Titamax™ Guided Surgery Drill 2.8	125.111	1	Guided Surgery Drill Guide 2.0/2.8
103.393	1	Titamax™ Guided Surgery Drill 3.0	125.112	1	Guided Surgery Drill Guide 3.0/3.3
103.394	1	Titamax™ Guided Surgery Drill 3.3	125.113	1	Narrow Guided Surgery Drill Guide 2.0/2.8
103.390	1	Narrow Guided Surgery Pilot Drill	129.001	1	Titanium Tweezers
103.396	1	Guided Surgery Pilot Drill 3.5	104.050	1	Torque Wrench
103.397	1	Guided Surgery Pilot Drill 3.75	125.101	3	Guided Surgery guide Stabilizer
103.398	1	Guided Surgery Pilot Drill 4.0	125.102	2	Narrow Guided Surgery guide Stabilizer
105.001	1	Smart/WS® Implant Driver - Torque Wrench (short)	125.100	3	Guided Surgery Guide Clamp

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

## ► Conical Implants Guided Surgery Surgical Kit

- :: Specific items for the Guided Surgery technique;
- :: Autoclavable polymer case;
- :: Screws, drivers and instruments required for the Neodent® Guided Surgery technique;
- :: Technique indicated to virtual planning and flapless surgical procedure.



### Articles

110.286	1	Conical Implants Guided Surgery Surgical Kit Case	125.098	1	Alvim™ Guided Surgery Bone Tap Driver 3.5/4.3
103.395	1	Guided Surgery Drill 1.3	125.097	1	Alvim™ Narrow Guided Surgery Drill Guide 2.0/3.5
103.381	1	Alvim™ Guided Surgery Drill 2.0	105.001	1	Smart/WS® Implant Driver - Torque Wrench (short)
103.382	1	Alvim™ Guided Surgery Drill 3.5	105.002	1	Smart/WS® Implant Driver - Contra-Angle
103.383	1	Alvim™ Guided Surgery Drill 4.3	105.126	1	Narrow Guided Surgery CM Connection - Contra-angle
103.390	1	Narrow Guided Surgery Pilot Drill	105.127	1	Guided Surgery CM Connection - Contra-angle
103.396	1	Guided Surgery Pilot Drill 3.5	104.012	1	1.2 Driver
103.388	1	Guided Surgery Pilot Drill 4.3	129.001	1	Titanium Tweezers
111.039	1	Alvim™ Guided Surgery Bone Tap 3.5	104.050	1	Torque Wrench
111.040	1	Alvim™ Guided Surgery Bone Tap 4.3	125.101	3	Guided Surgery guide Stabilizer
111.041	1	Narrow Alvim™ Guided Surgery Bone Tap 3.5	125.102	2	Narrow Guided Surgery guide Stabilizer
125.092	1	Alvim™ Guided Surgery Drill Guide 2.0/3.5	125.100	3	Guided Surgery guide Clamp
125.095	1	Alvim™ Guided Surgery Drill Guide 4.3			

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

## ► Facility® Guided Surgery Surgical Kit

- :: Specific items for the Guided Surgery technique;
- :: Autoclavable polymer case;
- :: Screws, drivers and instruments required for the Neodent® Guided Surgery technique;
- :: Technique indicated to virtual planning and flapless surgical procedure.



114

### Articles

110.283	1	Facility® Guided Surgery Surgical Kit Case
103.395	1	Guided Surgery Drill 1.3
103.385	1	Facility® Guided Surgery Drill 2.0
103.386	1	Facility® Guided Surgery Drill 2.0/2.4
103.387	1	Facility® Guided Surgery Pilot Drill
111.042	1	Facility® Guided Surgery Bone Tap
125.094	1	Facility® Guided Surgery Drill Guide 2.0/2.4
105.111	1	Bone Tap Connection Facility® for Torque Wrench
105.128	1	Guided Surgery Facility® Connection - Contra-angle
104.050	1	Torque Wrench
125.100	3	Guided Surgery guide Clamp

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

## ► Start Guided Surgery Surgical Kit

- :: Specific items for the initial procedures of the guided surgery technique;
- :: Autoclavable polymer case;
- :: Conventional surgical kit required to perform the surgical procedure.








### Articles

110.284	Start Guided Surgery Surgical Kit Case
103.395	Guided Surgery Drill 1.3
103.391	Titamax™ Guided Surgery Drill 2.0
103.381	Alvim™ Guided Surgery Drill 2.0
125.100	Guided Surgery Guide Clamp

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

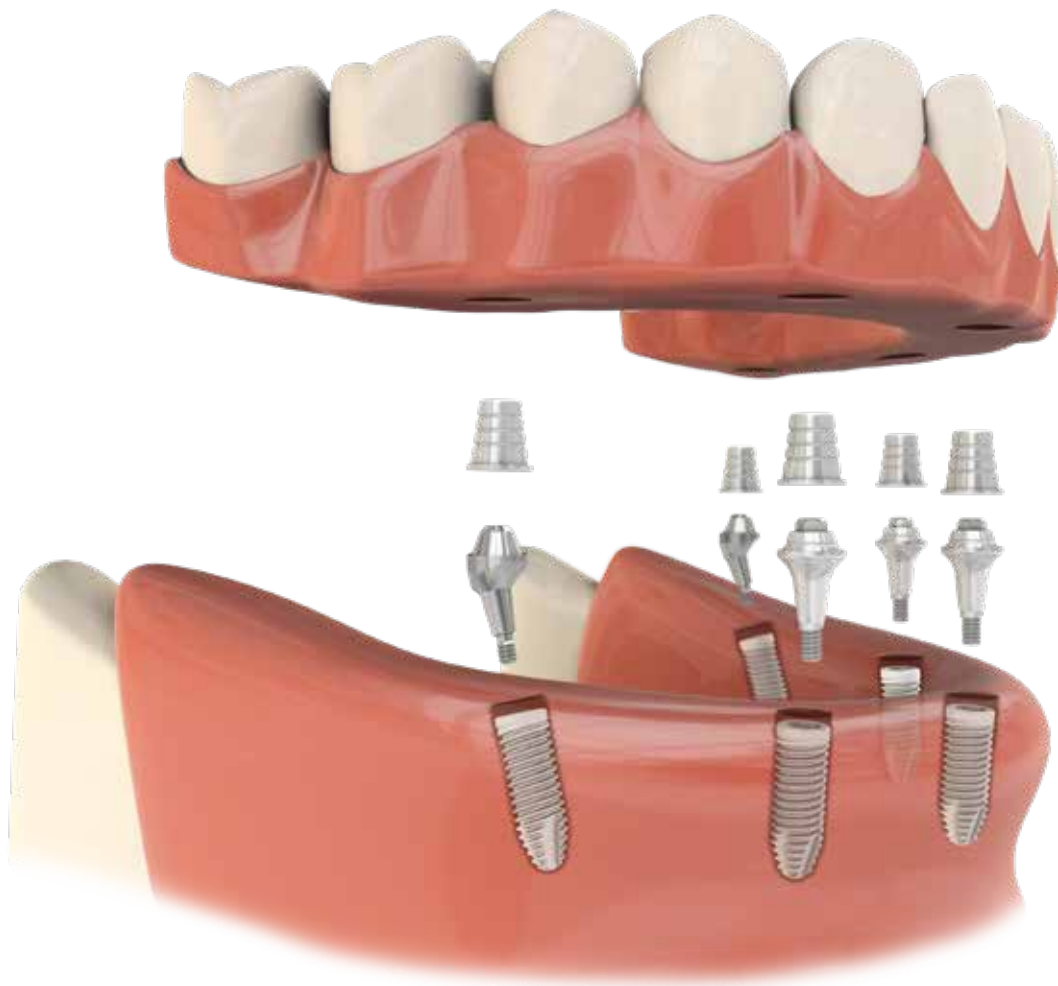
## ► Sleeves for Neodent® Guided Surgery System

:: Available in titanium.

	Sleeve Guided Surgery System	50 units 125.108
	Sleeve for Narrow Guided Surgery System	50 units 125.109
	Sleeve for Facility Guided Surgery System	50 units 125.088
	Sleeve of Drill for Guided Surgery - Start	50 units 125.099
	Sleeve of Setter for Guided Surgery System	50 units 125.110

# 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 Abutment 4.1, Micro Conical Abutment and Transepitelial Abutment.

116.086

## ► Demonstration Sequence



1 Normalization of alveolar flaps.



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



3 Placement of 5 implants.



4 Placement of CM Mini Conical Abutments.



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



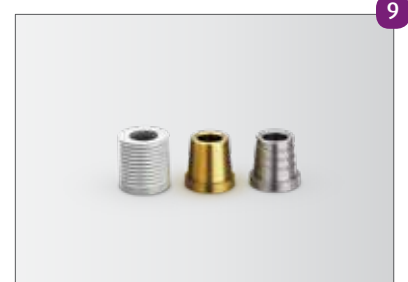
6 Positioning of Multifunctional Guide to obtain intermaxillary ratios. Joining transfers with acrylic resin. After splinting, soft silicone is injected to take the soft tissue impression



7 Removal of Multi-Functional Guide and placement of Mini Conical Abutment analogs to the impression copings.



8 Working model with artificial gum.



9 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-mouth view.

# Distal Bar Technique

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



120



## 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 Abument
118.169	118.171



## Distal Bar

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

Mini Conical Abument	CM Abument
125.011	125.023

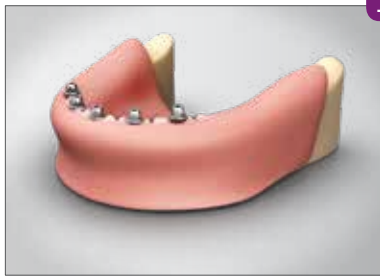


## Polishing Protector

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

Mini Conical Abument	CM Abument
123.008	123.012

## ► Demonstration Sequence



**1** Abutments placed.



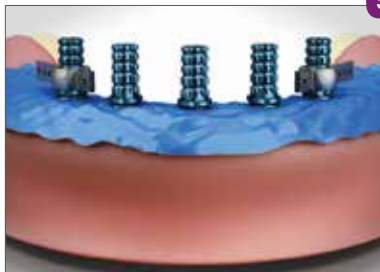
**2** Prostheses wearing, keeping posterior region integrity.



**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.



- 108.094 Mini Conical Abutment Scanbody 4.1
- 108.101 CM Exact Implant Scanbody
- 108.102 Micro Abutment Scanbody
- 108.103 CM and WS Abutment Scanbody
- 108.127 WS Implant Scanbody

## ► Intraoral Scanbodies



- 108.137 Mini Conical Abutment Intraoral Scanbody 4.1
- 108.139 CM Exact Intraoral Scanbody
- 108.140 Micro Conical Abutment Intraoral Scanbody
- 108.141 Abutment Intraoral Scanbody WS and 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

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# GENERAL INSTRUMENTS



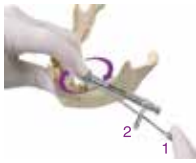
### Torque Wrench

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

104.050



### Operation Instructions



The Neodent® Torque Wrench was designed to allow the necessary torque to be applied and simultaneous verification of that torque with the same Instrument.

All that is needed is to apply force to the wrench handle **1** (never the wrench body) until the value marked on the LATERAL SCALE **2** corresponds to the desired torque



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



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

•WARNING: When inverting the torque direction, the gear may come loose from the driver body and fall. Therefore, this inversion should only be done with the driver connected to a part or outside the patient's mouth.

### Titanium Tweezers

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



### Depth Probe

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



### 7 And 9 mm Space Planning Instrument

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



### Surgical Labial Retractor

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



### Columbia Retractor

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



### Scapel Handle

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

129.008



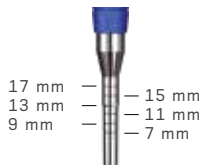
### Bivers Handle

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

129.002



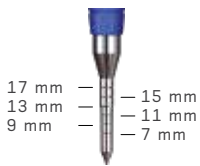
### Concave Osteotome



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

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

### Convex Osteotome



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

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

### Osteotomes Kit Case

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

110.262



**Surgical Hammer**

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



126.001



**Trephine Bur**

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

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



0.35 mm

**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.



110.270

### 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



### 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 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



### 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 pestle with slots to optimize bone block locking during use;
- :: Please avoid the use of bone originated from tissue banks;
- :: Bone Mill Teflon Ring (127.013) can be acquired.

127.011



Bovine bone block with volume = 1.76 cm<sup>3</sup>



Magnified particles



After particing, volume gain was about 7 times.



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- [1] Novellino MM, Sesma N, Zanardi PR, Laganá DC. Resonance frequency analysis of dental implants placed at the posterior maxilla varying the surface treatment only: A randomized clinical trial. *Clin Implant Dent Relat Res*. 2017 Jun 20. doi: 10.1111/cid.12510. [Epub ahead of print]
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- [4] Val JE, Gómez-Moreno G, Ruiz-Linares M, et al. Effects of Surface Treatment Modification and Implant Design in Implants Placed Crestal and Subcrestally Applying Delayed Loading Protocol. *J Craniofac Surg*. 2017 Mar;28(2):552-558.
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