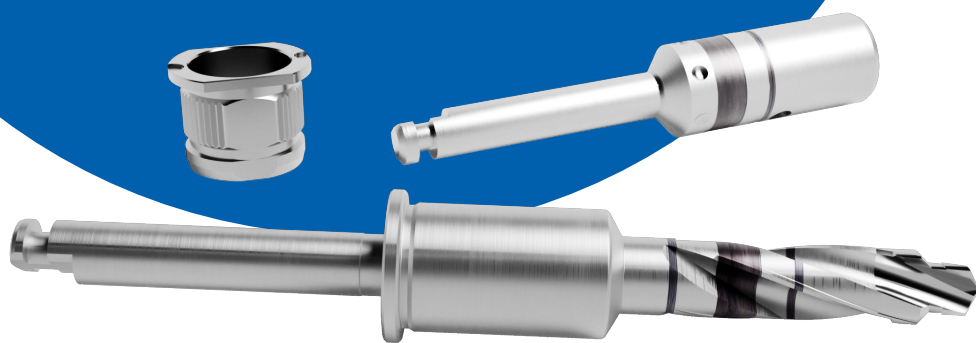


Guided Surgery.

PF 3.5–PF 4.5

L 6.5–L 12.5

Instructions for use THM61144



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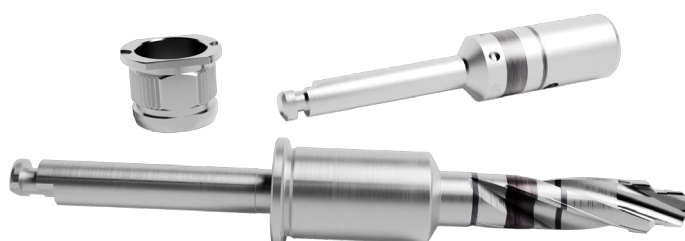
Torque values	21
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1. At a glance

These instructions for use apply to all guided surgery specific instruments PF 3.5–PF 4.5 / L 6.5–L 12.5.
See Chapter 12. Product list.

If you have an older generation of the graphic insert (without NEVO) for guided surgery, please see the information on the drilling protocol from the older instructions for use at: www.ifu-tm.com/THM61144.



Attention: Only use original Thommen Medical AG instruments.

You can find information on the Thommen Medical AG implant system at: www.ifu-tm.com/THM61112 or www.ifu-tm.com/THM61113.

For more information on guided surgery of other platforms and lengths, please refer to the VECTOdrill™ pilot drilling solution at: www.ifu-tm.com/THM61141. For more information on the standard surgical procedure, including the use of standard instruments, visit: www.ifu-tm.com/THM61141.

Intended use

Thommen Medical instruments are to be used in conjunction with the Thommen Medical dental implant system in the maxillary and mandibular jawbone for implant-supported dentures.

Cleaning, disinfection and sterilization



Attention: Process the cassette and instruments before their first use.

Single-use products:

All products, which are supplied in a non-sterile state, must be sterilized before first use, unless stated otherwise.

Multiple-use products:

All multiple-use products must be cleaned, disinfected and sterilized before first use. An effective cleaning and disinfection are absolutely necessary prerequisites for an efficient sterilization for re-use. For further instructions on the sterilization of guided surgery specific instruments, prosthetic components and surgical cassettes, please refer to the valid Thommen Medical AG processing instructions (www.ifu-tm.com/THM61131).

Storage

The products must be stored in their original packaging, at room temperature, and protected from direct sunlight. The specific instructions regarding transport, storage and handling on the labels and instruction(s) for use must be observed. If the packaging is damaged, the products must not be used; a visual inspection is necessary.

Disposal

In the case of cutting products, there is always a risk of injury. These products should be disposed of in an environmentally friendly way and in compliance with local laws and regulatory requirements. Hazardous waste including contaminated products or sharp objects should be disposed of in appropriate containers that correspond with the specific technical requirements. For products and their accessories, which have been used on a patient, there is a risk of infection. Our products are designed and produced so that they can be disposed of safely and correctly after use in compliance with all valid legal and regulatory requirements.

Responsibilities/Liability

As part of an overall scheme, Thommen Medical AG products may only be used with the associated original components and instruments in accordance with the instruction(s) for use provided by Thommen Medical AG.

The use of non-system parts may compromise the performance of Thommen Medical AG products and lead to failures. Users must have appropriate knowledge and information about the handling of Thommen Medical AG products in order to use the products safely and correctly. The user is obliged to use the Thommen Medical AG products according to the instructions for use and to check whether the product is suitable for the individual patient situation. The use of Thommen Medical AG products is the responsibility of the user and, as such, is beyond the control of Thommen Medical AG. We refuse to accept any responsibility or liability for any damage due to incorrect utilization of the product. Products labeled "Do not re-use" may not be reprocessed and/or reused. The reprocessing and/or reuse of these products can affect their function (e.g. fitting and/ or cutting properties) as well as their safe use (e.g. risk of infection, disease transmission, fading of the laser or color marks, corrosion). Detailed information about the possible consequences, which may result from incorrect use, is available from the responsible country representative or distributor of Thommen Medical AG.

All serious incidents which have occurred in connection with the product must be reported to the manufacturer and to the local competent authority in the country where the user is resident.

2. Cassette and instruments for guided surgery

NEVO, ELEMENT & CONTACT PF 3.5–PF 4.5 / L 6.5–L 12.5, all collar heights



MONO torque ratchet*

Titanium alloy



MONO guide key*

Stainless steel



Guide sleeve

Stainless steel



Seating instrument for guide sleeve

Stainless steel

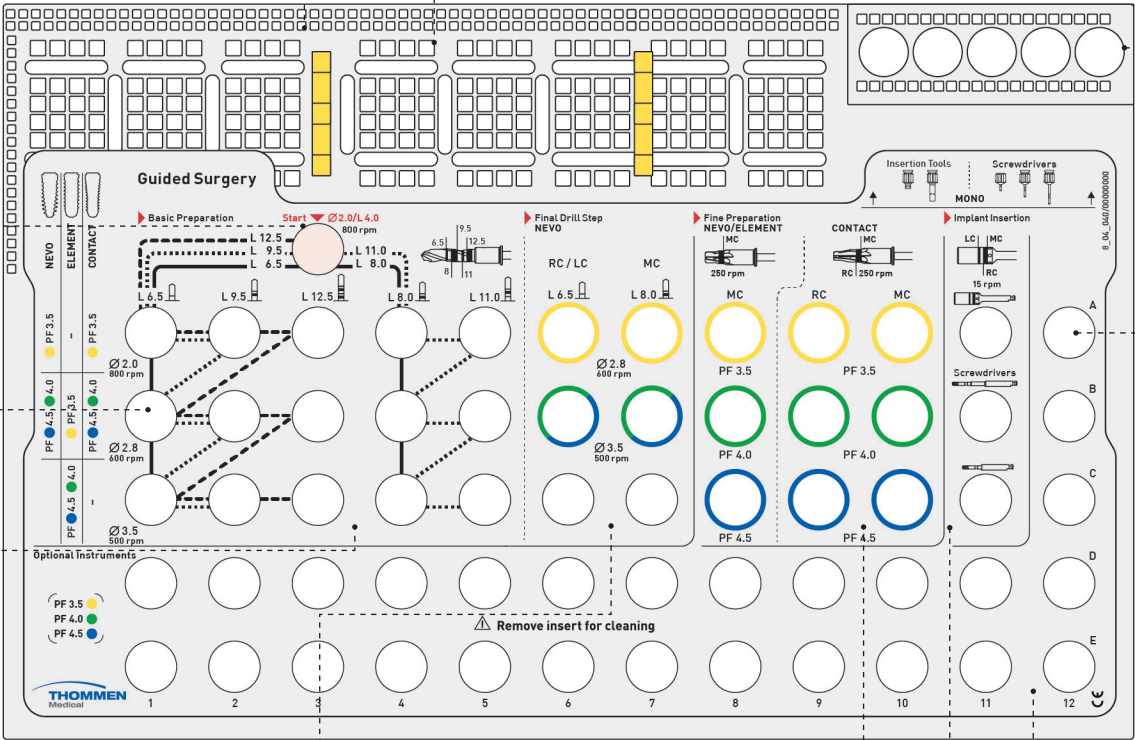
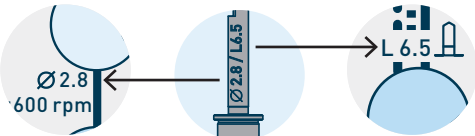
Length mm	5.0
Ø 4.8	3.04.080 Q4

Ø 4.8	3.04.100
-------	----------

Cassette for guided surgery 1.04.020 (including NEVO)

Attention: Special slots are provided for loading the cassette with instruments. When loading, pay attention to the identification code on the dental shaft and graphic insert.

Example:



Optional instruments*

In addition to the clearly designated slots, additional slots are available for other instruments.

* Standard instruments (see www.ifu-tm.com/THM61141 and www.ifu-tm.com/THM31111)

MONO insertion device*

Stainless steel/PEEK

3.03.162	3.03.163
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MONO screwdrivers*

Stainless steel/PEEK

3.03.165	3.03.166	3.03.167
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Max. 20 use cycles (surgery, cleaning, sterilization) for cutting instruments. Further use cycles no longer guarantee the function of the product.



Cooling during drilling, approx. 5°C/ 41°F.

Basic preparation Initial drill, guided

L 4.0	
Length mm	28.5
Ø 2.0	3.04.110

Basic preparation VECTOdrill™ pilot drill and twist drill, guided

Stainless steel	L 6.5	L 9.5	L 12.5	L 8.0	L 11.0
Length mm	31.5	34.5	37.5	33.0	36.0
Ø 2.0	3.04.111	3.04.113	3.04.115	3.04.112	3.04.114
Ø 2.8	3.04.121	3.04.123	3.04.125	3.04.122	3.04.124
Ø 3.5	3.04.131	3.04.133	3.04.135	3.04.132	3.04.134

Basic preparation (soft and medium bone) NEVO final drill step VECTOdrill™ twist drill, guided

Stainless steel	L 6.5	L 8.0
Length mm	31.5	33.0
Ø 2.8	3.04.121	3.04.122
Ø 3.5	3.04.131	3.04.132

Fine preparation Profile drill, guided

Stainless steel	NEVO/ELEMENT MC	CONTACT RC	CONTACT MC
Length mm	30.5	32.5	34.0
PF 3.5	3.04.151	3.04.161	3.04.171
PF 4.0	3.04.152	3.04.162	3.04.172
PF 4.5	3.04.153	3.04.163	3.04.173

Implant insertion Adapter, guided

Stainless steel	Adapter guided	Screwdrivers short	Screwdrivers extra short
Length mm	25.5	22.0	17.0
	3.04.090	3.03.501	3.03.500

Adapter for handpiece, one-piece

Stainless steel			
	PF 3.5	PF 4.0	PF 4.5
Length mm			
24.0	3.03.248	3.03.251	3.03.241

If you have an older version or generation of the cassette for guided surgery, please see the information on loading in the older instructions for use: www.ifu-tm.com/THM61144.

3. Planning and preparation

Drilling template preparation

Before the surgery, the drilling template must be checked for correct function (correct fit, stability, space) in the patient's mouth. The alignment of the guide sleeves must correspond to the preoperative planning. The respective manufacturer of the drilling template guarantees the compatibility of Thommen Medical AG guide sleeves with the drilling template. For sleeve assembly, see Chapter 8.

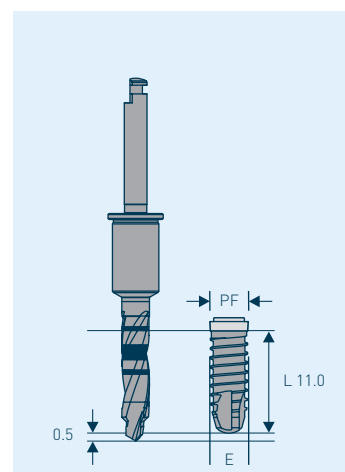
Planning software: You can find information on the compatible planning software solutions at www.thommenmedical.com

Drilling

Attention: All VECTOdrill™ twist drills are 0.5 mm longer apically than the specified length of the corresponding Thommen Medical AG implants. In order to avoid complications, this must be taken into account when selecting and positioning the implant, particularly in proximity to anatomical structures.

Note: If the guided surgery cannot be performed as planned, the guided instruments are also suitable for the standard procedure:

- Use the depth marks for depth control as shown on the graphic insert
- Start with the VECTOdrill™ pilot drill, guided; do not use the initial drill, guided
- Sequential reprocessing with VECTOdrill™ twist drills and profile drills, guided, if necessary
- Use the adapter, guided, for implant insertion

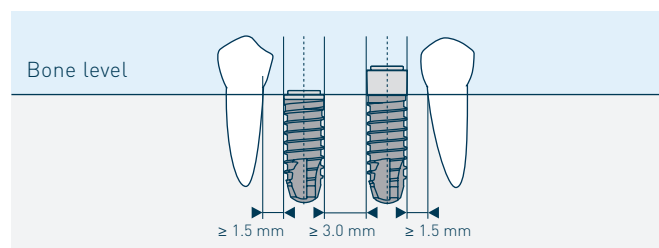


Attention: Check the drilling depth of the implant bed after the first pilot drill step using the respective laser markings on the drill or using the depth gauge. For NEVO implants, it is possible to check the final drilling depth and drilling axis using the drilling sequence until the penultimate drilling. Only the drilling axis can be checked with the final depth gauge.

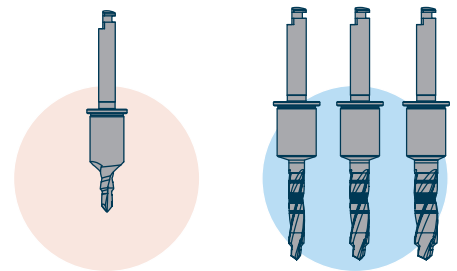
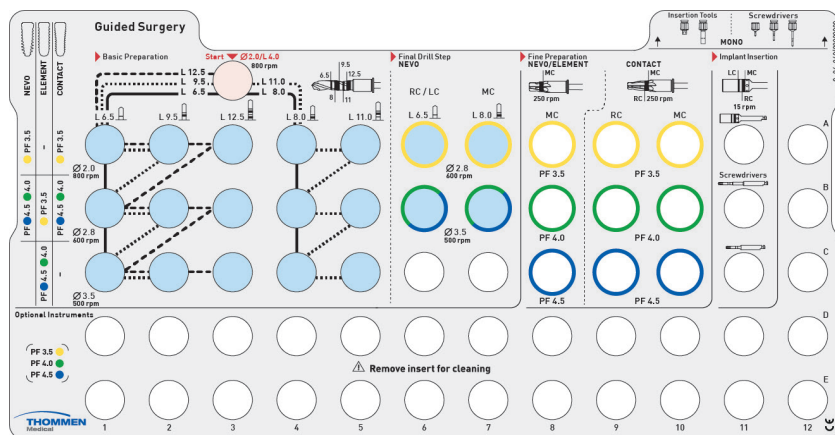
Anatomical structures

The mesiodistal position of the implants can be easily estimated by using a periodontal probe placed in the vestibular region or determined with a gauge.

The required minimum gap width for the sleeve and minimum height for the instruments must be considered.



4. Basic preparation (VECTOdrill™)

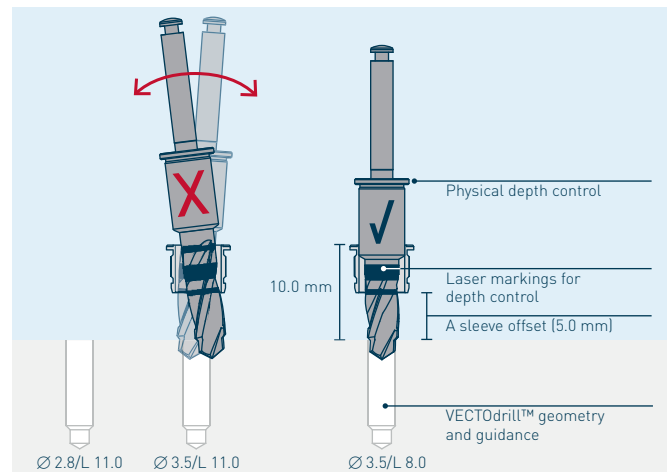


Double-guide principle

All VECTOdrill™ twist drills stepped guide tip which corresponds to the diameter of the preceding drill. This axis guidance prevents slippage of the drill and ensures a precisely shaped implant bed.



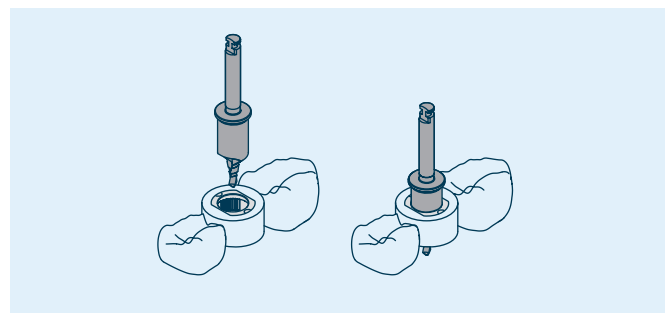
Attention: No drilling sequences may be skipped to ensure the double-guide principle.



Drilling



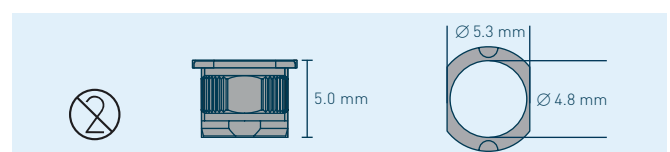
Attention: All holes must be drilled while constantly cooling the exterior with physiological, sterile, cooled saline solution (approx. 5°C/41°F). Recommended rotation speeds (pages 6-7) must be adhered to in order to avoid overheating the bone tissue and possible instrument fractures. Lateral forces must be avoided to prevent retention of the guide sleeve in the drilling template. Do not start drilling until the drill is positioned on the bone. Ensure continuous rotation of the drill during extraction.



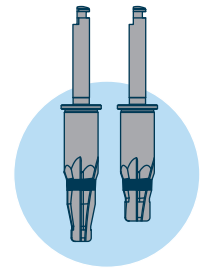
Guide sleeve



Attention: The guide sleeves are intended for single use only. Multiple use does not guarantee correct functioning of the sleeve.

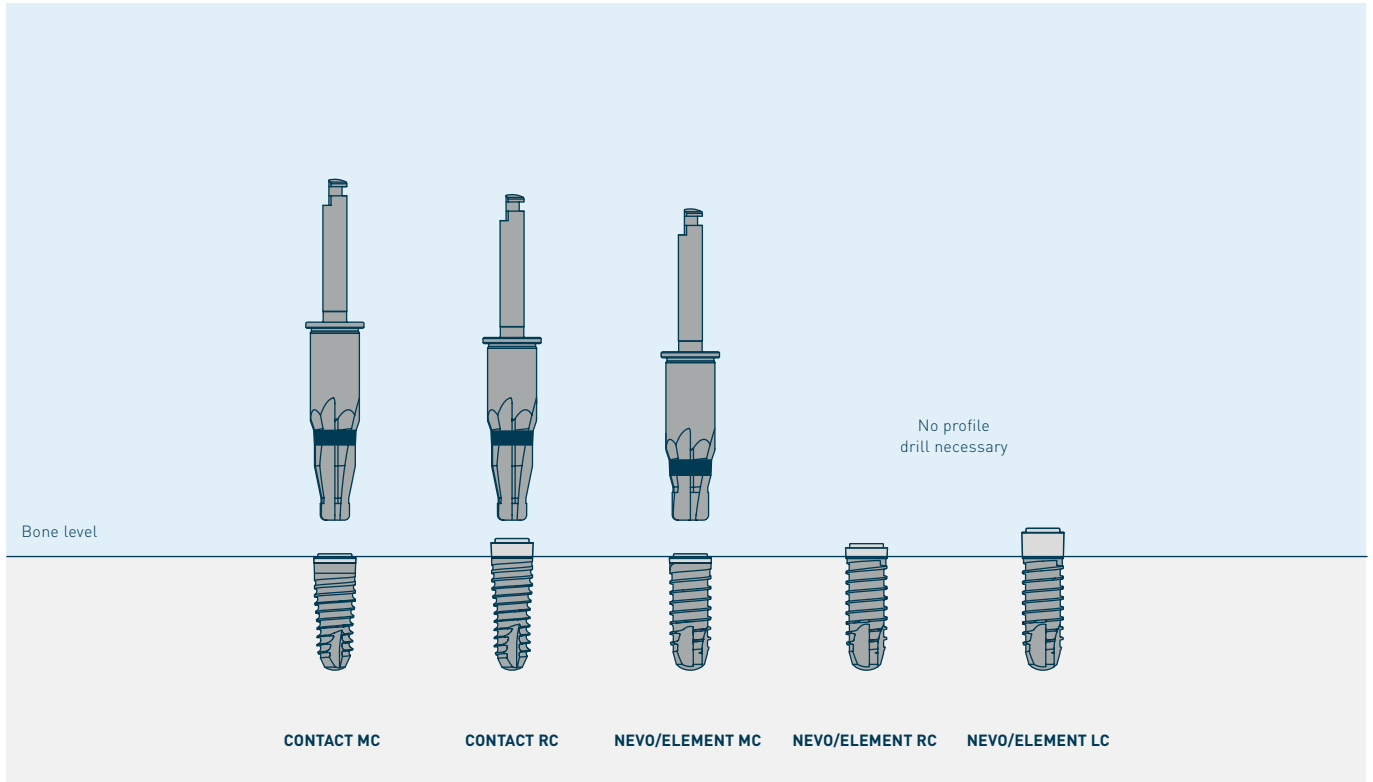


5. Fine preparation (profile drill)

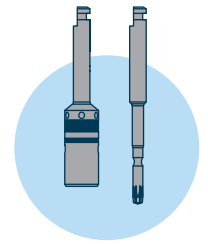
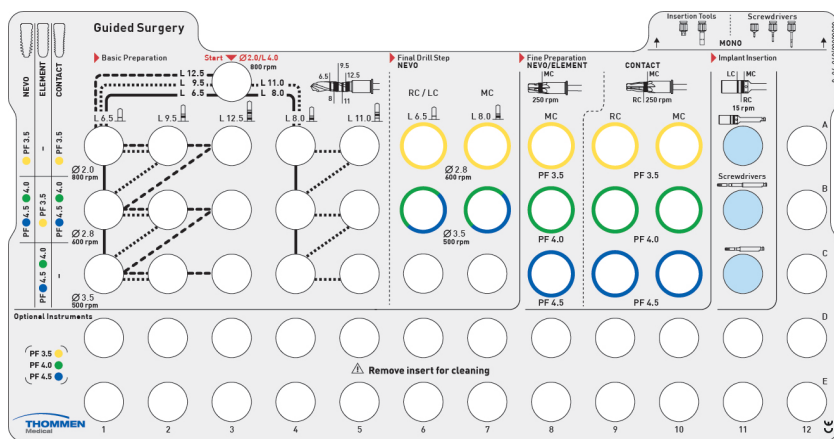


Selecting the profile drill

The profile drill is selected according to implant type and platform size as specified on the graphic insert.

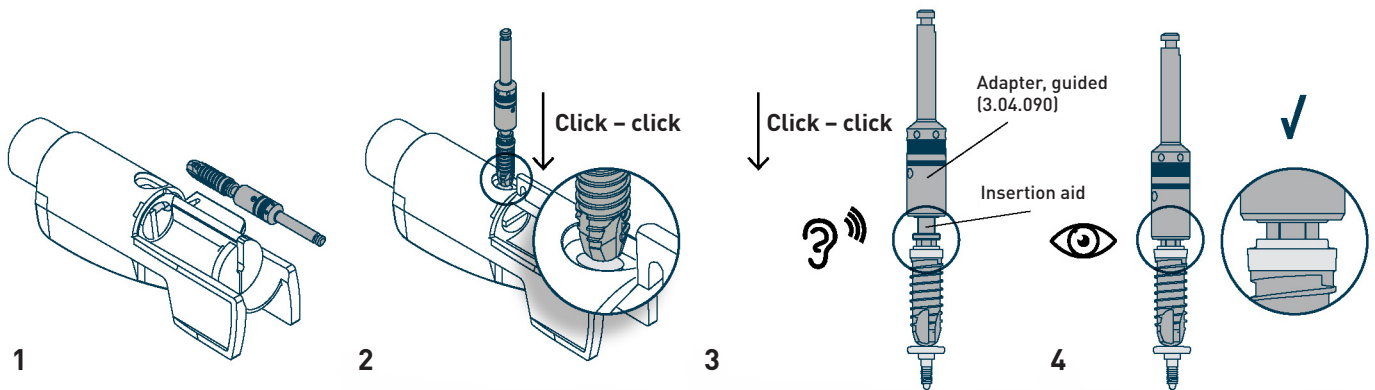


6. Implant insertion



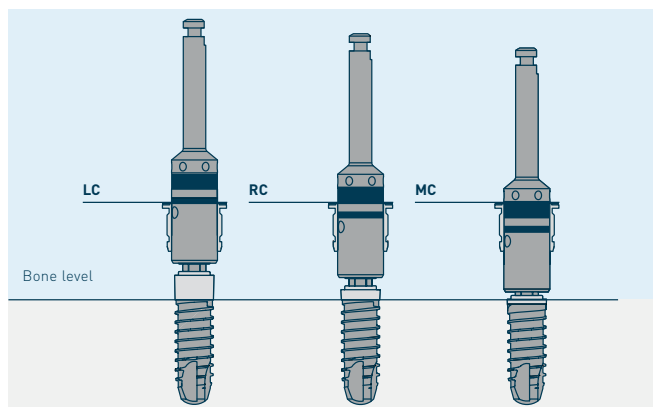
Taking up the implant and engaging for implant insertion

Attention: Push the handpiece with inserted adapter over the insertion aid until it makes contact with the APLIQUIQ® or implant container. For guided implant insertion, press the insertion aid deeper into the adapter until a click sound can be heard. This sound confirms the correct positioning. **Also check this visually.**

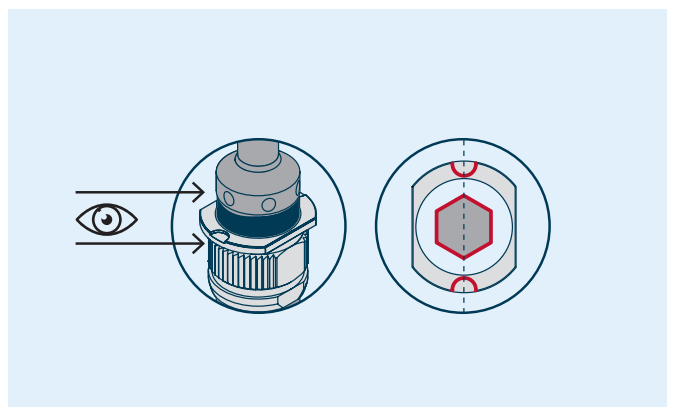


Use the same procedure for the standard implant packaging.

Implant insertion: Visual depth control

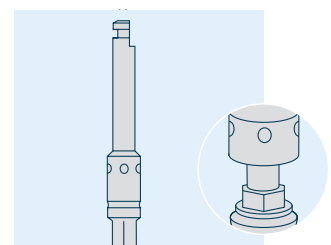


Rotation index: Implant alignment



Adapter for handpiece, one-piece

The one-piece adapter for handpiece engages directly into the implant hexagon. It can be used after initially positioning the implant in the bone, after the insertion aid has been removed.



7. Surgical procedure

NEVO – surgical procedure

Two drilling protocols are available for the implant bed preparation for NEVO implants. For the preparation of the final diameter, at least the VECTOdriLL™ twist drill with L 6.5 mm must be used for RC and LC implants.

At least the VECTOdriLL™ twist drill with L 8.0 mm must be used for MC implants. This applies to all implant lengths. This means there is no underpreparation and compression of the adjacent bone is prevented. You can find detailed information on this in Surgical Procedure www.ifu-tm.com/THM61141.

Drilling protocol for soft and medium bone

Using **NEVO RC, PF 4.0, L 11 mm** as an example, the **two final drilling steps** are shown below.

For the preparation of the final diameter, the VECTOdriLL™ twist drill Ø 3.5 mm / L 6.5 mm must be used.



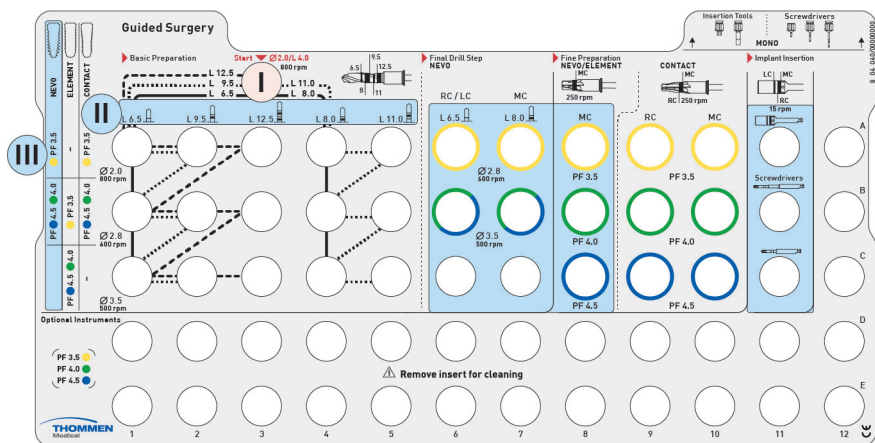
Drilling protocol for hard bone

Using **NEVO RC, PF 4.0, L 11 mm** as an example, the **two final drilling steps** are shown below.

For the preparation of the final diameter, the VECTOdriLL™ twist drill Ø 3.5 mm / L 11 mm must be used.



NEVO drilling protocol for soft and medium bone RC, MC, LC

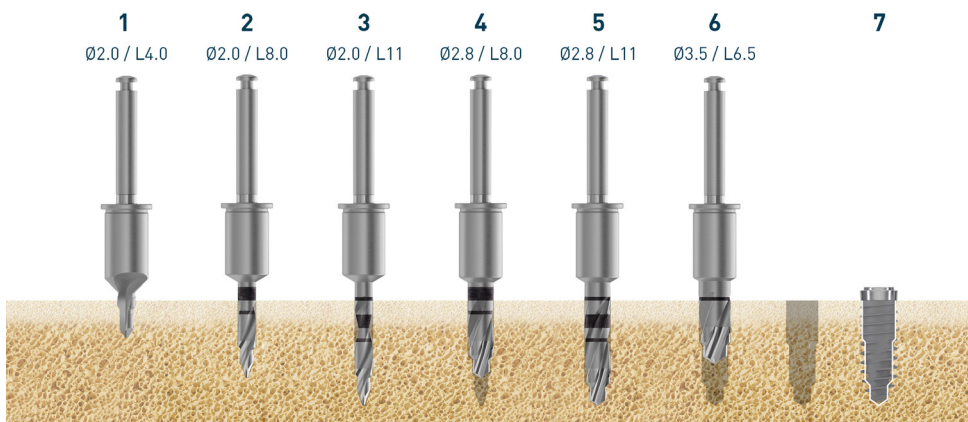
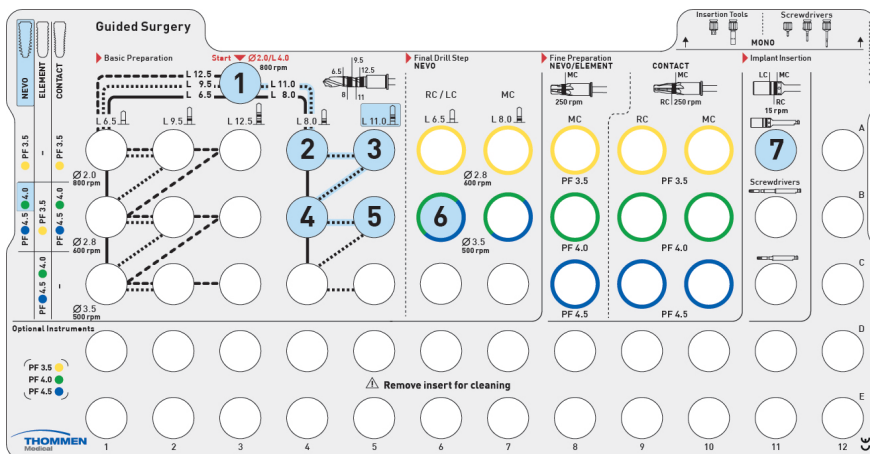


Start

- Always start with the initial drill.
- Basic preparation for NEVO:
 - Follow the planned implant length (L) to the planned NEVO platform (PF).
- Final drill step for NEVO:
 - Then perform the final drilling step in the section final drill step NEVO following the right of the line. Use the final drill according to the planned PF and collar type, RC (1.0 mm) / LC (2.5 mm) or MC (0.5 mm)
- Fine preparation for NEVO MC (0.5 mm):
 - Use the profile drill according to the planned PF
- Implant insertion:
 - Use the adapter as far as the depth mark of the planned collar type RC (1.0 mm), LC (2.5 mm) or MC (0.5 mm)

The sequential implant bed preparation in accordance with the implant diameter as well as the implant length ensures constant guidance of the instruments in the guide sleeve.

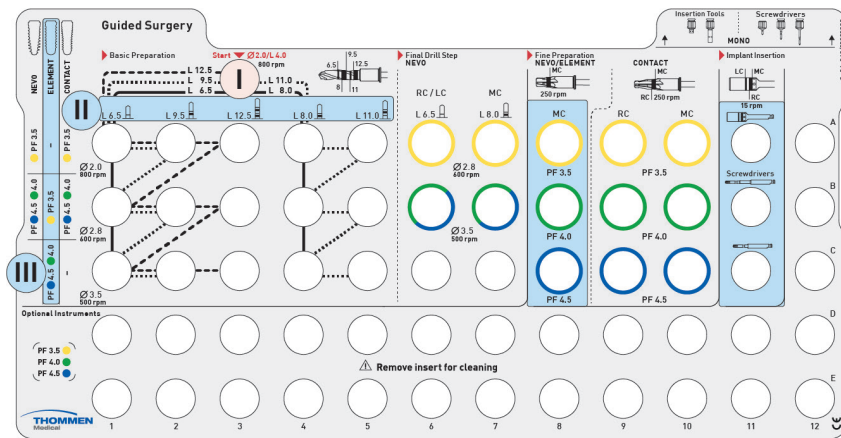
Example – NEVO for soft and medium bone – NEVO RC, PF 4.0, L 11 mm



For NEVO RC, PF 4.0, L 11 mm the final drill step is VECTOdriLL™ Ø3.5 mm / L 6.5 mm (3.04.131). No profile drill is necessary.

NEVO drilling protocol for hard bone RC, MC, LC

For preparation of the implant bed for NEVO in hard bone conditions, in deviation from the standard preparation the planned implant length (L) must be prepared. The **ELEMENT** protocol must be followed.

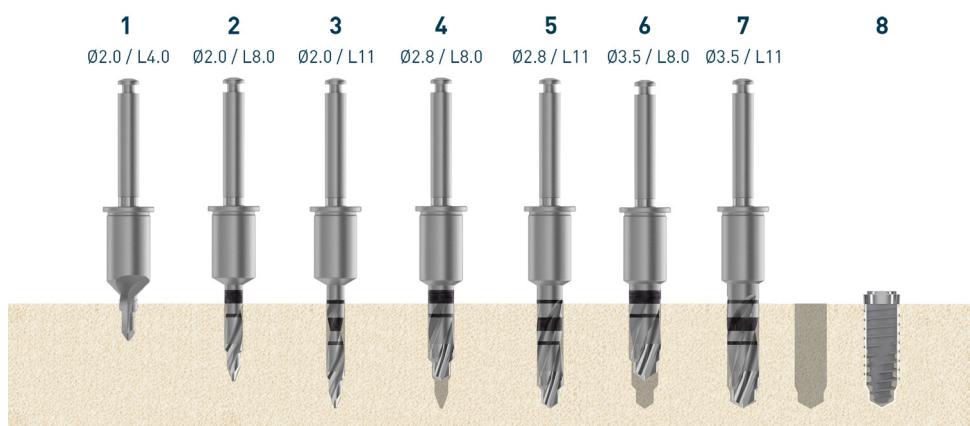
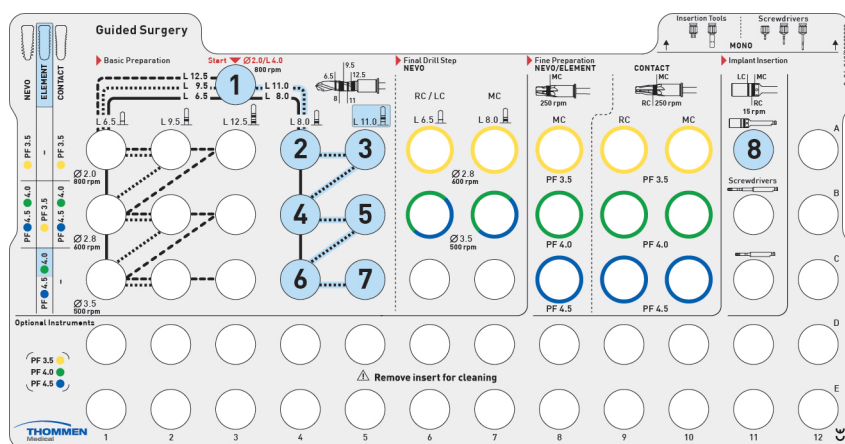


Start

- I Always start with the initial drill.
- II Basic preparation for ELEMENT:
 - Follow the planned implant length (L) to the planned platform (PF).
- III Fine preparation for NEVO MC (0.5 mm):
 - Use the profile drill according to the planned PF
- Implant insertion:
 - Use the adapter as far as the depth mark of the planned collar type RC (1.0 mm), LC (2.5 mm) or MC (0.5 mm)

The sequential implant bed preparation in accordance with the implant diameter as well as the implant length ensures constant guidance of the instruments in the guide sleeve.

Example – NEVO drilling protocol for hard bone, NEVO RC, PF 4.0, L 11

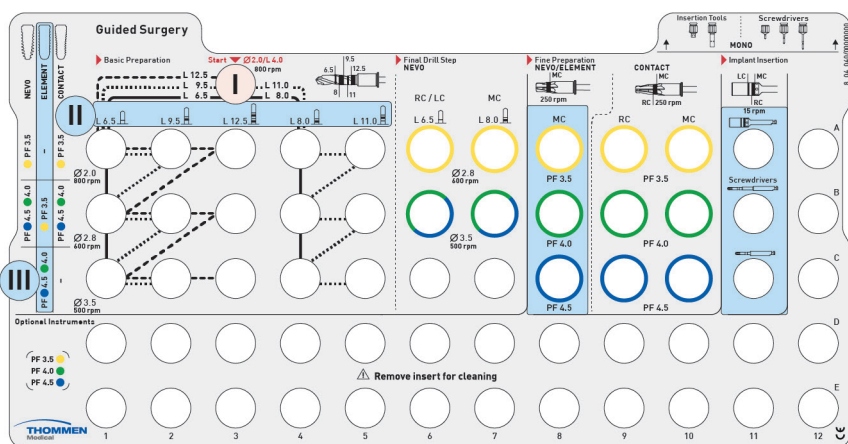


Attention:

However, when implants are placed in extremely hard bone (such as, for example, in the case of a strongly atrophied edentulous mandible), thread-tapping may be indicated. You can find information on this at: www.ifu-tm.com/THM61141.

ELEMENT – surgical procedure

The following standard drilling protocol is for the implant bed preparation for ELEMENT implants.
Using **ELEMENT RC, PF 4.0, L 11 mm** as an example, the **final two drilling steps** are shown below.

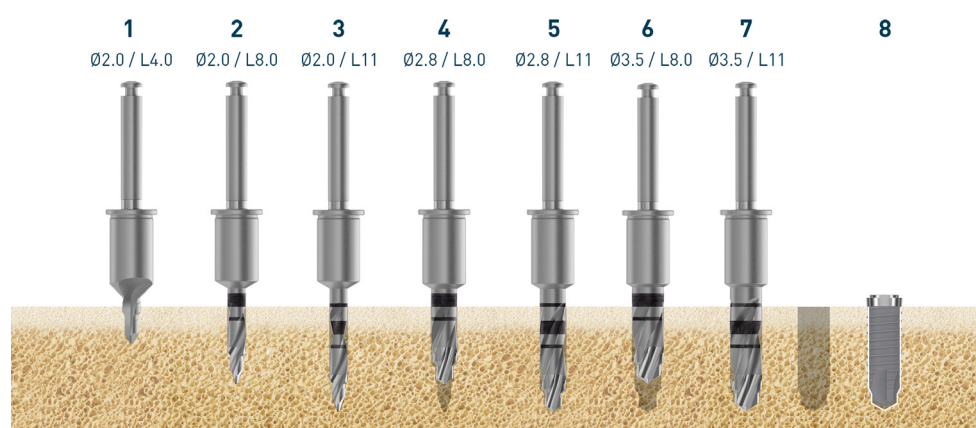
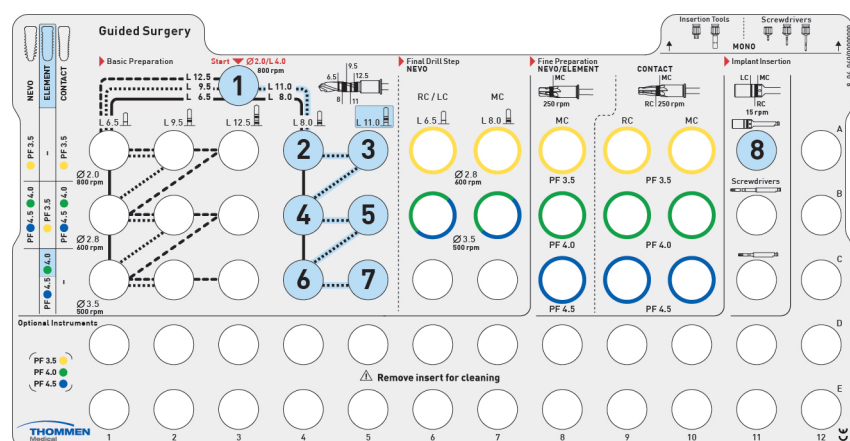


Start

- I Always start with the initial drill.
- II Basic preparation for ELEMENT:
Follow the planned implant length (L) to the planned platform (PF).
- III Fine Preparation for ELEMENT MC (0.5 mm):
Use the profile drill according to the planned PF
- Implant insertion:
Use the adapter as far as the depth mark of the planned collar type RC (1.0 mm), LC (2.5 mm) or MC (0.5 mm)

The sequential implant bed preparation in accordance with the implant diameter as well as the implant length ensures constant guidance of the instruments in the guide sleeve.

Example – ELEMENT RC, PF 4.0, L 11 mm

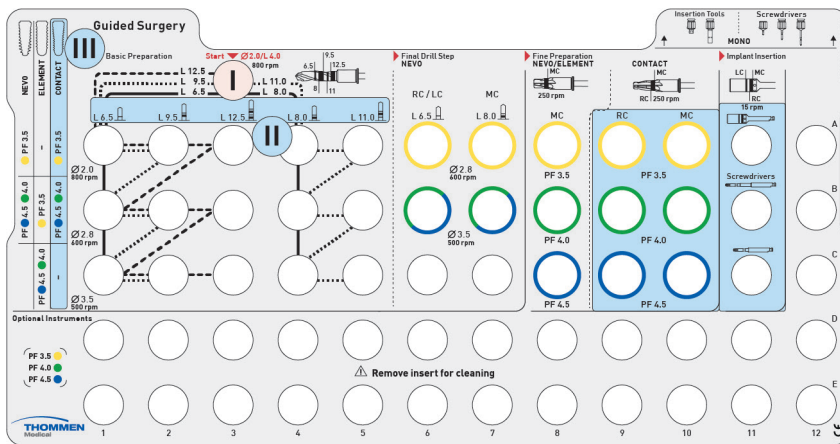


⚠ Attention:

However, when implants are placed in extremely hard bone (such as, for example, in the case of a strongly atrophied edentulous mandible), thread-tapping may be indicated. You can find information on this at: www.ifu-tm.com/THM61141.

CONTACT – surgical procedure

The following standard drilling protocol is for the implant bed preparation for CONTACT implants.
Using **CONTACT RC, PF 4.0, L 11 mm** as an example, the **final two drilling steps** are shown below.

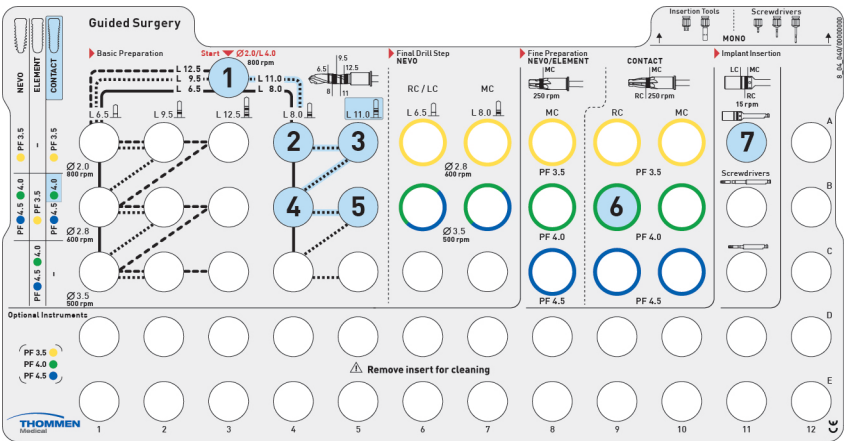


Start

- Always start with the initial drill.
- Basic preparation for CONTACT:
 - Follow the planned implant length (L) to the planned platform (PF).
- Fine preparation for CONTACT RC (1.5 mm):
 - Use the profile drill according to the planned PF
- Implant insertion:
 - Use the adapter as far as the depth mark of the planned collar type RC (1.5 mm), or MC (0.5 mm)

The sequential implant bed preparation in accordance with the implant diameter as well as the implant length ensures constant guidance of the instruments in the guide sleeve.

Example – CONTACT RC, PF 4.0, L 11 mm



8. Assembly of the guide sleeve

Processing

The guide sleeve is suitable for the sterilization procedure described in the processing instructions [www.ifu-tm.com/THM61131].

Drilling templates

The diameter of printed sleeve cavities may vary depending on the 3D printing system used. If diameter corrections are necessary, you can refer to the design settings, if available.



Attention:

Process the drilling template before use in accordance with the manufacturer's instructions. Make sure that the guide sleeves are securely and correctly fixed in the drilling template before use.

Assembly



Attention:

The seating instrument MUST be used for assembly of the sleeve and functional testing. The seating instrument is intended for multiple use. The product must be replaced as soon as it shows signs of wear and tear and/or damage.

Handle for dental technicians

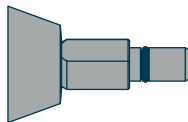
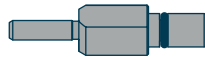
3.03.250

Seating instrument for guide sleeves

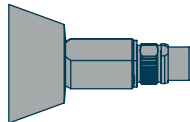
Ø 4.8 mm 3.04.100

Guide sleeves

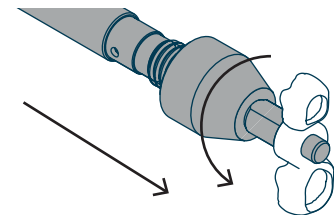
Ø 4.8 mm / L 5.0 mm 3.04.080 Q4



1

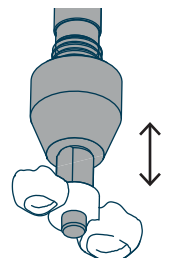
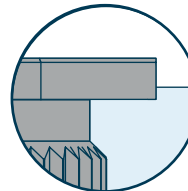
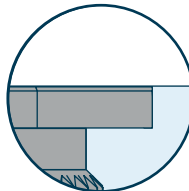
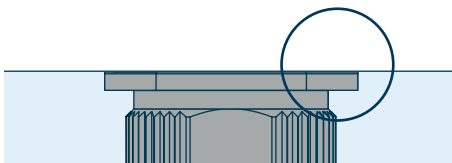


2



3

Functional testing



Attention:

- The sleeve must be seated securely
- The seating instrument must fit and slide easily
- The sleeve edge must be correctly positioned vertically

9. Important notes

Reprocessing procedures and sterilization

- Process the cassette and instruments before their first use.
- Process the drilling template before use in accordance with the manufacturer's instructions.
- Special slots are provided for loading the cassette with instruments. When loading, pay attention to the identification code on the dental shaft and graphic insert.
- Max. 20 use cycles (surgery, cleaning, sterilization) for cutting instruments. Further use cycles no longer guarantee the function of the product.

Single/multiple use

- The guide sleeves are intended for single use only. Multiple use does not guarantee correct functioning of the sleeve.
- The seating instrument is intended for multiple use.

Functional testing

- The seating instrument must be used for assembly of the sleeve and functional testing.
- The sleeve must be fixed, the seating instrument must fit and slide easily, and the sleeve edge must be correctly positioned vertically.
- Make sure that the guide sleeves are securely and correctly fixed in the drilling template before use.
- The product must be replaced as soon as it shows signs of wear and tear and/or damage.

Other warnings and precautionary measures

- All VECTOdrill™ twist drills are 0.5 mm longer apically than the specified length of the corresponding Thommen Medical AG implants. In order to avoid complications, this must be taken into account when selecting and positioning the implant, particularly in proximity to anatomical structures.
- Do not start drilling until the drill is positioned on the bone. Ensure a continuous rotation of the drill while withdrawing it.
- Recommended rotation speeds must be adhered to in order to avoid overheating the bone tissue and possible instrument fractures.
- Only use original Thommen Medical AG instruments.
- No drilling sequences may be skipped to ensure the double-guide principle.
- All holes must be drilled while constantly cooling the exterior with physiological, sterile, cooled saline solution (approx. 5°C/41°F). Recommended rotation speeds (pages 6-7) must be adhered to in order to avoid overheating of the bone tissue and possible instrument fractures. Lateral forces must be avoided to prevent retention of the guide sleeve in the drilling template.
- Regularly remove the bone chips to ensure ideal drilling performance.
- Check the drilling depth of the implant bed after the first pilot drill step using the respective laser markings on the drill or using the depth gauge. For NEVO implants, it is possible to check the final drilling depth and drilling axis using the drilling sequence until the penultimate drilling. Only the drilling axis can be checked with the final depth gauge.
- However, when NEVO and ELEMENT implants are placed in extremely hard bone (such as, for example, in the case of a strongly atrophied edentulous mandible), thread-tapping may be indicated. You can find information on this at: www.ifu-tm.com/THM61141.
- Push the handpiece with inserted adapter over the insertion aid until it makes contact with the APLIQUIQ® or implant container. For guided implant insertion, press the insertion aid deeper into the adapter until a click sound can be heard. This sound confirms the correct positioning. Also check this visually.

10. Torque values

Abutment/screw	Torque values in Ncm				
	10	15	20	25	30
Healing cap Gingiva former Gingiva former+ Gingiva former narrow 	PF 3.0				
	PF 3.5				
	PF 4.0				
	PF 4.5				
	PF 5.0				
Abutment screws 		PF 3.0			
		PF 3.5			
				PF 4.0	
				PF 4.5	
				PF 5.0	
Dynamic abutment screw 		PF 3.5			
				PF 4.0	
				PF 4.5	
Abutment screw in combination with ART abutment 		PF 3.5			
			PF 4.0		
			PF 4.5		
			PF 5.0		
VARIOmulti abutment 		PF 3.5			
				PF 4.0	
				PF 4.5	
				PF 5.0	
VARIOmulti protective cap 	PF 3.5				
	PF 4.0				
	PF 4.5				
	PF 5.0				
	PF 6.0				
Occlusal screw (VARIOmulti, VARIO 17°, bar) Closure screw for CAD/CAM bar 		PF 3.5			
		PF 4.0			
		PF 4.5			
		PF 5.0			
Retentive anchor 				PF 4.0	
				PF 4.5	
				PF 5.0	
ZEST LOCATOR® abutment 			PF 3.5		
					PF 4.0
					PF 4.5
					PF 5.0
ZEST LOCATOR® abutment and collar for VARIOmulti 			PF 4.0		
			PF 4.5		
			PF 5.0		
			PF 6.0		

New abutment screws must always be used for permanent insertion of the supraconstruction in the mouth.

11. Symbols

Thommen Implant System



Manufacturer: Thommen Medical AG
Neckarsulmstrasse 28
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www.thommenmedical.com



Symbols



Lot number



Use by date



Date of manufacture



Sterilized using irradiation



Single sterile barrier system



Single sterile barrier system with protective packaging inside



Not more than 20 reprocessing cycles



European representative



Temperature limitation



Do not re-use



Non-sterile



Caution



Article number



Conformity symbol in accordance with Directive No: MDD 93/42/EEC or Regulation (EU) No: 2017/745 MDR (see corresponding conformity declaration)



Consult instructions for use



Do not re-sterilize



Do not use if package is damaged and consult instructions for use



Atmospheric pressure limitation



Manufacturer



Importer



Distributor



Keep away from sunlight

Rx only

May only be sold to and prescribed by physicians (USA)



Medical device



Unique device identifier

Colored warning sticker

Application was changed – follow the directions in the corresponding instructions for use.

NEW HANDLING

New design – the application has not been changed.

NEW DESIGN

Sterile indicator – red means it has passed through a source of radiation



12. Product list

Article number	Description	Material	Single use	Sterile	UDI-DI
3.04.080Q4	Guide sleeve Ø 4.8 mm/L 5.0 mm single use	Stainless steel	Yes	No	07640182640620
3.04.090	Adapter for handpiece, guided, multiple use for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640705
3.04.100	Seating instrument for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640668
3.04.110	Initial drill Ø 2.0 mm/L 4.0 mm, guided, multiple use, for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640156479157
3.04.111	VECTOdrill pilot drill Ø 2.0 mm/L 6.5 mm, guided multiple use, for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640019
3.04.112	VECTOdrill pilot drill Ø 2.0 mm/L 8.0 mm, guided multiple use, for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640118
3.04.113	VECTOdrill pilot drill Ø 2.0 mm/L 9.5 mm, guided multiple use, for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640149
3.04.114	VECTOdrill pilot drill Ø 2.0 mm/L 11.0 mm, guided multiple use, for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640156
3.04.115	VECTOdrill pilot drill Ø 2.0 mm/L 12.5 mm, guided multiple use, for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640163
3.04.121	VECTOdrill twist drill Ø 2.8 mm/L 6.5 mm, guided multiple use, for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640170
3.04.122	VECTOdrill twist drill Ø 2.8 mm/L 8.0 mm, guided multiple use, for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640187
3.04.123	VECTOdrill twist drill Ø 2.8 mm/L 9.5 mm, guided multiple use, for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640194
3.04.124	VECTOdrill twist drill Ø 2.8 mm/L 11.0 mm, guided multiple use, for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640200
3.04.125	VECTOdrill twist drill Ø 2.8 mm/L 12.5 mm, guided multiple use, for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640217
3.04.131	VECTOdrill twist drill Ø 3.5 mm/L 6.5 mm, guided multiple use, for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640224
3.04.132	VECTOdrill twist drill Ø 3.5 mm/L 8.0 mm, guided multiple use, for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640231
3.04.133	VECTOdrill twist drill Ø 3.5 mm/L 9.5 mm, guided multiple use, for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640248
3.04.134	VECTOdrill twist drill Ø 3.5 mm/L 11.0 mm, guided multiple use, for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640255
3.04.135	VECTOdrill twist drill Ø 3.5 mm/L 12.5 mm, guided multiple use, for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640262
3.04.151	ELEMENT MC profile drill, PF 3.5, guided multiple use, for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640279
3.04.152	ELEMENT MC profile drill, PF 4.0, guided multiple use, for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640286
3.04.153	ELEMENT MC profile drill, PF 4.5, guided multiple use, for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640293
3.04.161	CONTACT RC profile drill, PF 3.5, guided multiple use, for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640309
3.04.162	CONTACT RC profile drill, PF 4.0, guided multiple use, for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640828
3.04.163	CONTACT RC profile drill, PF 4.5, guided multiple use, for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640316
3.04.171	CONTACT MC profile drill, PF 3.5, guided multiple use, for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640323
3.04.172	CONTACT MC profile drill, PF 4.0, guided multiple use, for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640330
3.04.173	CONTACT MC profile drill, PF 4.5, guided multiple use, for guide sleeve Ø 4.8 mm	Stainless steel	No	No	07640182640347



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