

SURGICAL TECHNIQUE

# MODUS 2 Transbuccal Set



**MODUS**

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For further information regarding the MODUS product line visit [www.medartis.com](http://www.medartis.com)

# Introduction

## Product Materials

### Instruments

Stainless steel, aluminum, aluminum alloy, unalloyed titanium (ASTM F67), Nitinol, PA, PEEK, POM, PP, PPSU, PTFE, silicone

### Containers

Stainless steel, aluminum alloy, PEEK, PP, PPSU, silicone

## Compatibility

MODUS 2 TBS was developed for use with the following systems:

- MODUS 2 Mandible
- MODUS 2 Orthognathics

## Color Coding

Screw Diameter	Color Code
2.0	Blue
2.3	Brown
2.5	Purple



# Instrument Application

## Drilling

Color-coded twist drills for use with the Transbuccal Set are available for MODUS 2 screw diameters 2.0, 2.3 and 2.5. All drills are color coded with a ring system.

Screw Diameter	Color Code
2.0	Blue
2.3	Brown
2.5	Purple

Drills for screws Ø 2.0 mm (drill Ø 1.5 mm)

Dental	Stryker	
M2-3459	M2-3469	25 mm



Drills for screws Ø 2.3 mm (drill Ø 1.9 mm)

Dental	Stryker	
M2-3216	M2-3226	25 mm



Drills for screws Ø 2.5 mm (drill Ø 2.0 mm)

Dental	Stryker	
M2-3276	M2-3286	25 mm



## Selecting the Drill Guide

There are two drill guides available:

Instruments	Function
Drill guide for TriLock plates (M-2632)	For all MODUS 2 TriLock plates
2.0 – 2.5 Drill guide, centric (M-2630)	For unlocked MODUS 2 implants



### Caution

With TriLock plates only the drill guide M-2632 is to be used to avoid damaging the screw hole.

# Application

## Application of the Transbuccal Set

### Preparing the Handpiece



M-2606  
Handle Transbuccal Trocar & Drill Guide



M-2620  
Protection Sleeve Ø 4.5 mm



M-2626  
Trocar for Protection Sleeve

1. Open the lever fastener on the handle (M-2606).



2. Connect the protection sleeve (M-2620) to the handle.

**Notice**

The insertion length of the protection sleeve (38 mm/ 33 mm) depends on where it is inserted in the handle.

The tip of the protection sleeve is opposite the pin and can therefore be used for orientation.

For an insertion length of 38 mm, insert the protection sleeve from below into the handle.





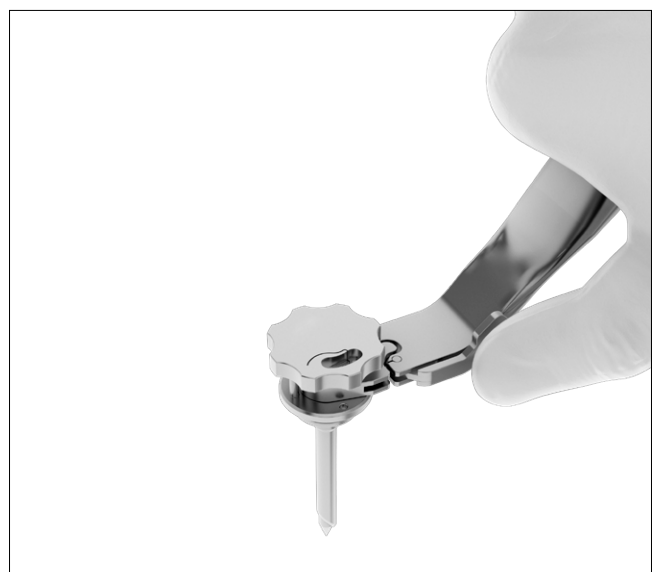
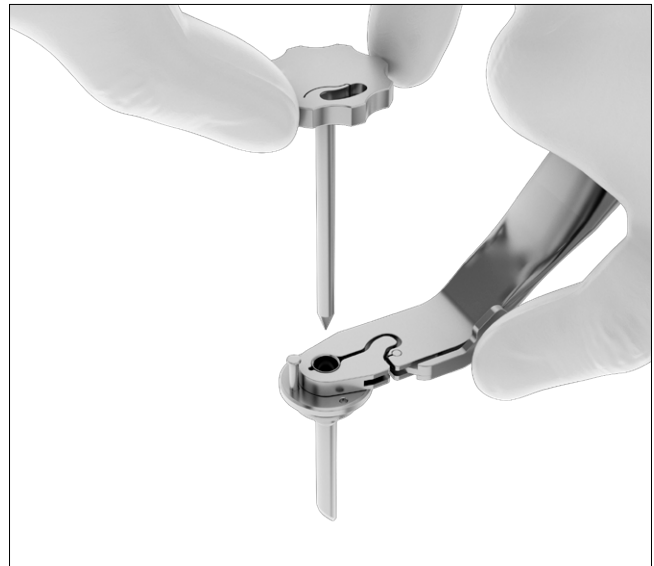
For an insertion length of 33 mm, insert the protection sleeve from above into the handle.



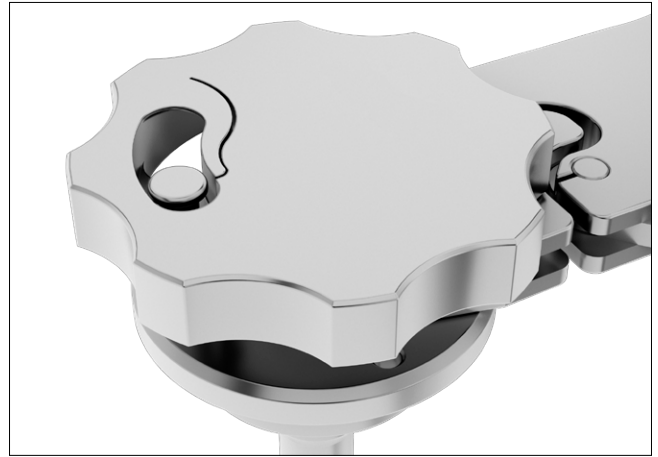
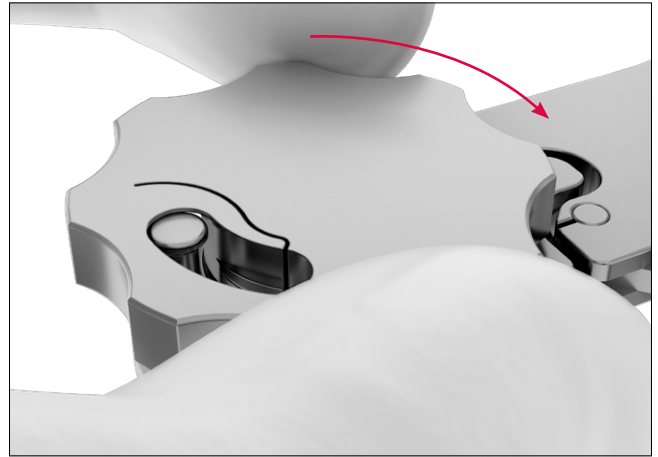
3. Close the lever fastener on the handle to secure the protection sleeve.



4. Insert the trocar (M-2626) from above into the protection sleeve.

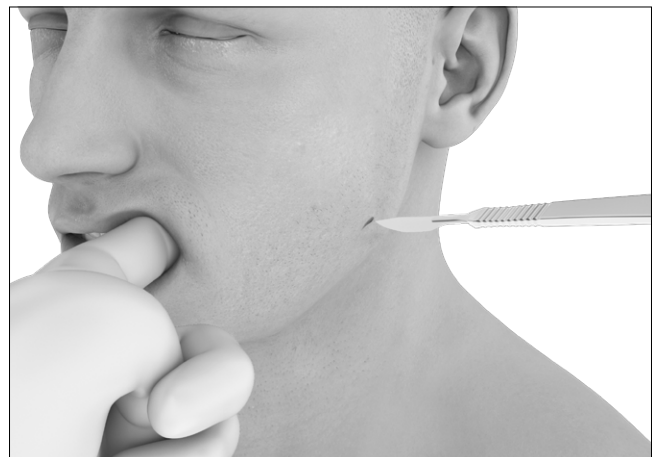


5. Turn the trocar to the right until the bayonet lock engages with the pin of the protection sleeve.

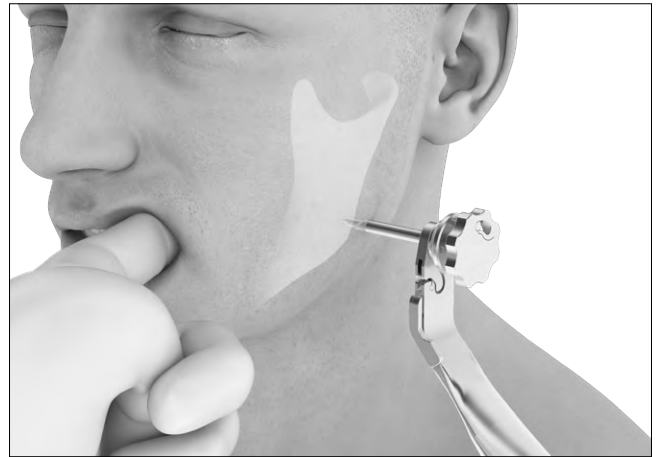
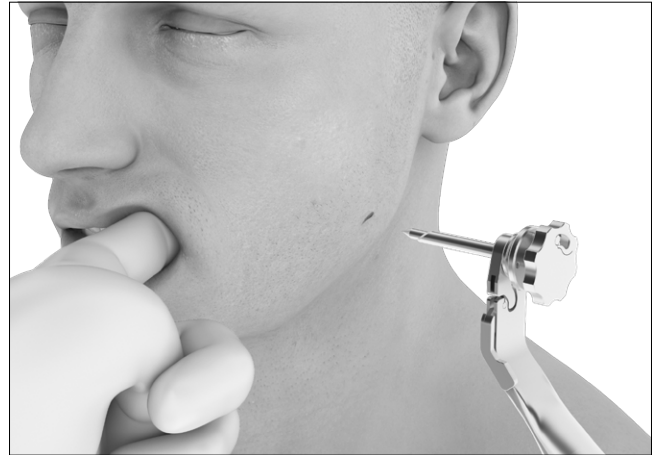


## Incision

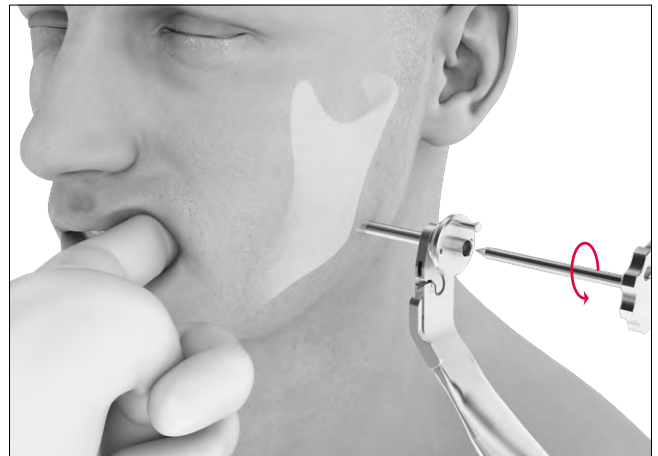
1. Make a stab incision at the level of the implant area.



2. Tighten the skin at the incision site and puncture it with the inserted trocar (M-2606).



3. Remove the trocar by turning it to the left.



## Inserting the Intraoral Cheek Retractor



M-2615  
Cheek Retractor, Intraoral

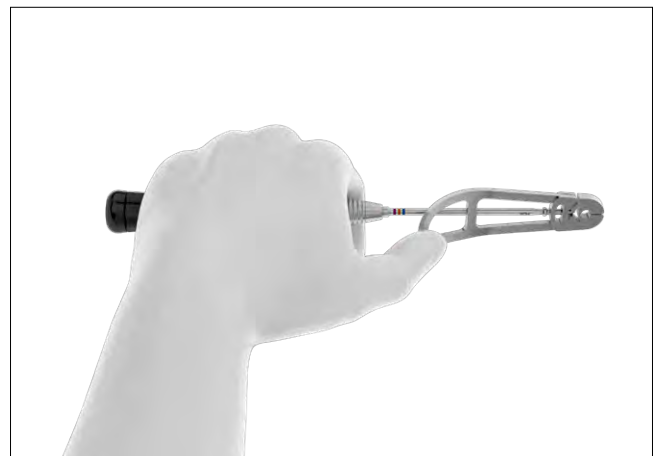
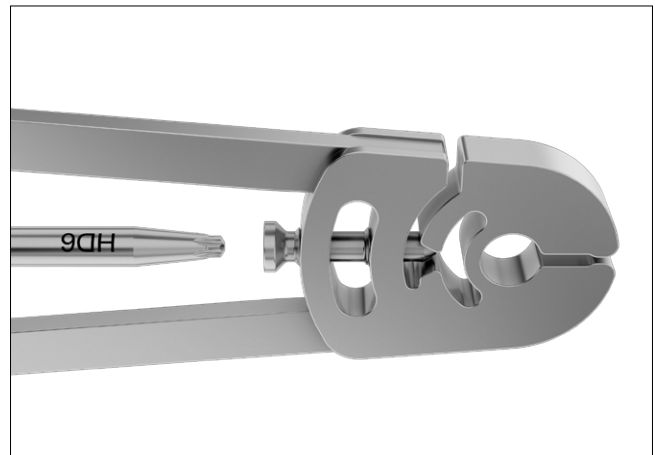


M2-2001  
Screwdriver Handle, Type 2



M2-2005  
Screwdriver Blade, HD6

1. Insert the screwdriver (screwdriver handle (M2-2001) with screwdriver blade HD6 (M2-2005) into the clamp screw of the cheek retractor (M-2615).



2. Slide the cheek retractor (M-2615) from the inside over the protection sleeve.



3. Secure the cheek retractor by tightening the clamp screw.

**Notice**

To remove the cheek retractor (M-2615), perform the steps 1–3 in reverse order.



**Inserting the Extraoral Cheek Retractor with Locking Mechanism**

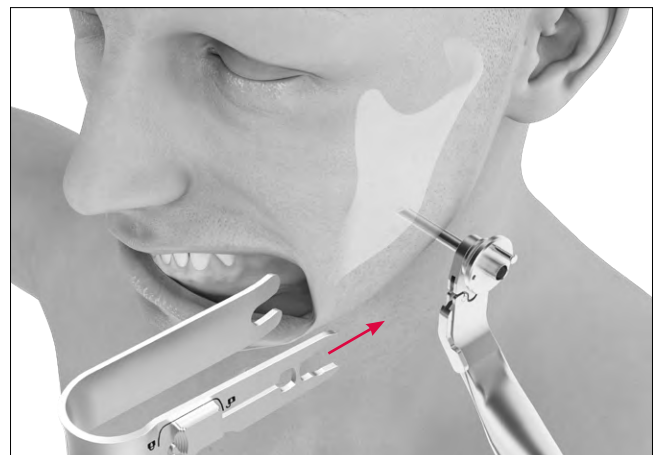


M-2614  
Cheek Retractor, Extraoral with Locking Mechanism

1. Insert the extraoral cheek retractor (M-2614).  
Ensure that the locking mechanism of the retractor is in the unlocked position. Once the extraoral cheek retractor is connected to the handle, close the locking mechanism to secure the cheek retractor to the handle (M-2606).

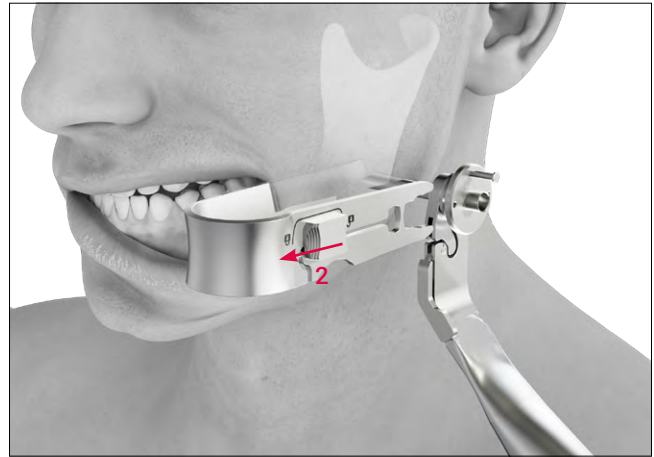
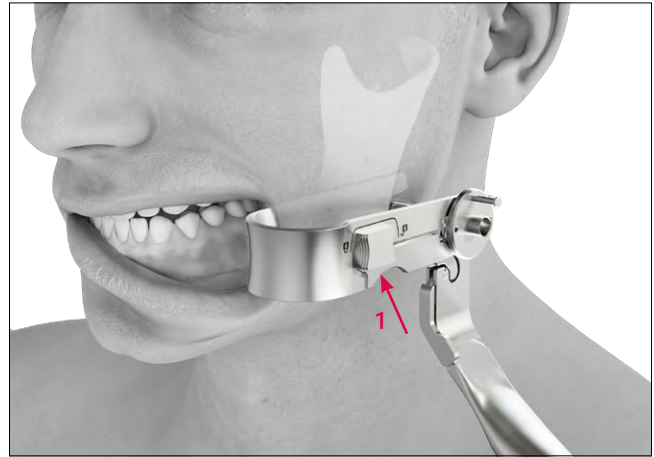
**Caution**

Ensure that the extraoral cheek retractor (M-2614) is fully engaged and locked for proper functioning of the transbuccal system.



**Notice**

To remove the extraoral cheek retractor (M-2614), first unlock the locking mechanism by releasing the locking knob (1). Then press the lever mechanism and detach the retractor from the handle (M-2606) (2).



## Drilling

1. Insert the drill guide (M-2630/M-2632).  
Turn the drill guide to the right until the bayonet lock engages with the pin of the protection sleeve.



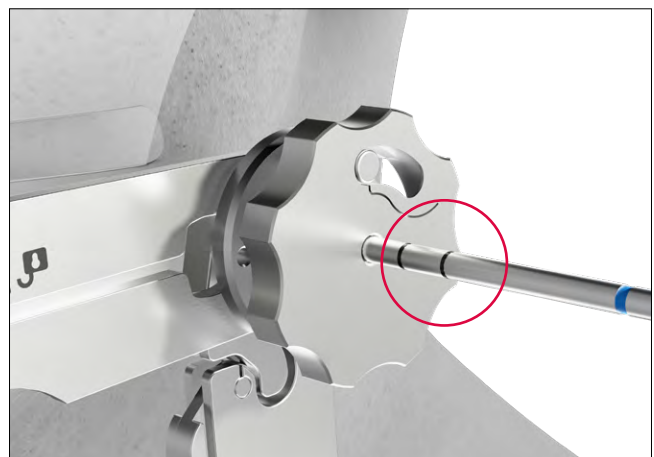
2. Insert the twist drill.

During drilling, pressure can be applied to the implant using the protection sleeve to prevent it from slipping off.



### Notice

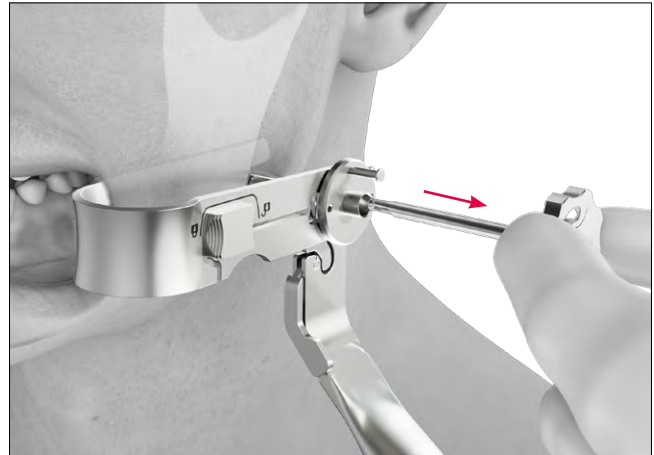
For easier estimation of drill depth, the drills feature laser markings at 5 mm intervals.



3. Remove the drill guide (M-2630/M-2632) by turning it to the left.

**Notice**

During and after removal of the drill guide, pressure can still be applied to the implant using the protection sleeve to prevent it from slipping off.



4. Insert the screw.

**Notice**

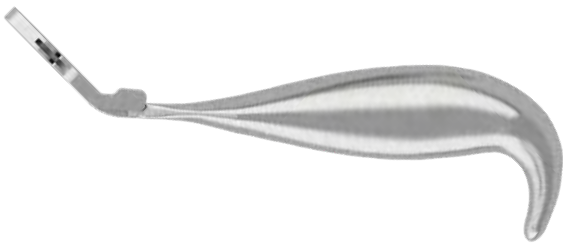
No predrilling is required when using self-drilling SpeedTip screws.\*



\*Except with very hard bone

# Instruments and Container

## Handle for Transbuccal Trocar and Drill Guide



Art. No.	Length	Pieces / Pkg
M-2606	147mm	1

## Cheek Retractor



M-2614



M-2615

Art. No.	Description	Length	Pieces / Pkg
M-2614	extraoral, with locking mechanism	78 mm	1
M-2615	intraoral	83 mm	1
M-5299/1	clamp screw M3/HD6 for M-2615/M-2616 (spare part)	13 mm	1

## Screwdriver Handle



Art. No.	Description	Length	Pieces / Pkg
M2-2001	type 2 (hand-driven small, AO coupling)	121 mm	1

## Screwdriver Blade



Art. No.	Interface	Description	Length	Pieces / Pkg
M2-2005	HD6	self-holding	95 mm	1

## Protection Sleeve



Art. No.	Description	Length	Pieces / Pkg
M-2620	for M-2606	48 mm	1

## Trocar



Art. No.	Description	Length	Pieces / Pkg
M-2626	for M-2620	60 mm	1

## Drill Guides



M-2630



M-2632

Art. No.	Size	Description	Length	Pieces / Pkg
M-2630	2.0 – 2.5		54 mm	1
M-2632	2.0 – 2.5	for TriLock plates	54 mm	1

### Twist Drills Ø 1.5 mm (Core Hole 2.0 Screws)



M2-3459



M2-3469

Art. No.	STERILE	Stop	Length	Shaft End	Pieces / Pkg
M2-3459	M2-3459S	25 mm	99 mm	Dental	1
M2-3469	M2-3469S	25 mm	112 mm	Stryker J-Latch	1

### Twist Drills Ø 1.9 mm (Core Hole 2.3 Screws)



M2-3216



M2-3226

Art. No.	STERILE	Stop	Length	Shaft End	Pieces / Pkg
M2-3216	M2-3216S	25 mm	99 mm	Dental	1
M2-3226	M2-3226S	25 mm	112 mm	Stryker J-Latch	1

### Twist Drills Ø 2.0 mm (Core Hole 2.5 Screws)



M2-3276



M2-3286

Art. No.	STERILE	Stop	Length	Shaft End	Pieces / Pkg
M2-3276	M2-3276S	25 mm	99 mm	Dental	1
M2-3286	M2-3286S	25 mm	112 mm	Stryker J-Latch	1

## Case, Trays



M2-6003.001 with M2-6003.002\* / M2-6003.004\*,  
(excl. instruments)

Art. No.	Description	Dimensions (W x L)	Pieces / Pkg
M2-6003.001	instrument case, TBS	240 x 240 mm	1
M2-6003.002*	instrument tray, TBS, Stryker	240 x 240 mm	1
M2-6003.004*	instrument tray, TBS, Dental	240 x 240 mm	1
M-6727	lid for implant and instrument case 240 x 240 mm	240 x 240 mm	1

\* Choose between Stryker or Dental instrument tray based on drill coupling

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