

medartis®

PRECISION IN FIXATION

SURGICAL TECHNIQUE – STEP BY STEP

MODUS® 2 Transbuccal Set



MODUS®

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For further information regarding the MODUS product line visit www.medartis.com

Introduction

Product Materials

All MODUS 2 implants are made of pure titanium (ASTM F67, ISO 5832-2) or titanium alloy (ASTM F136, ISO 5832-3). All of the titanium materials used are biocompatible, corrosion-resistant and non-toxic in a biological environment.

The instruments are made of stainless steel, PEEK, aluminum or titanium.

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 \varnothing 2.0 (drill \varnothing 1.5)

Dental	Stryker	
M2-3459	M2-3469	25 mm

Drills for screws \varnothing 2.3 (drill \varnothing 1.9)

Dental	Stryker	
M2-3216	M2-3226	25 mm

Drills for screws \varnothing 2.5 (drill \varnothing 2.0)

Dental	Stryker	
M2-3276	M2-3286	25 mm



M2-3459



M2-3216



M2-3276

Caution

It is recommended not to exceed a maximum drilling speed of 1000 revolutions per minute. Higher speeds can cause the bone to overheat.

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



M-2632



M-2630

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 (M-2620) varies depending on the chosen insertion place (38 mm/33 mm).

The tip of the protection sleeve is opposite to the pin. This can thus be used for orientation.

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





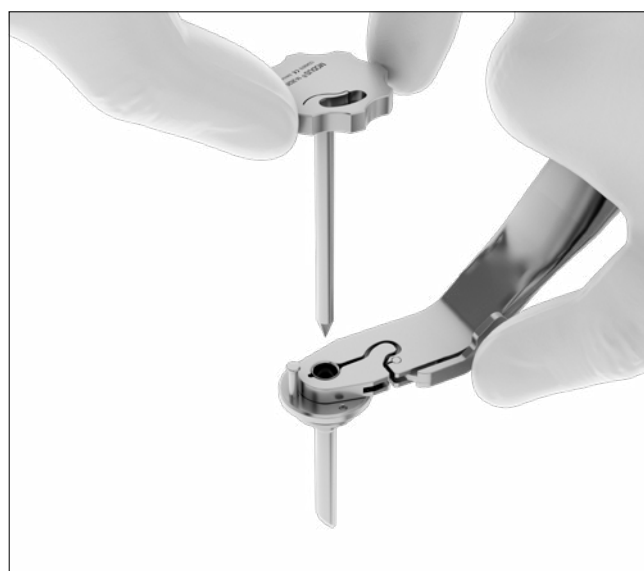
For an insertion length of 33 mm, insert the protection sleeve from above into the handle.



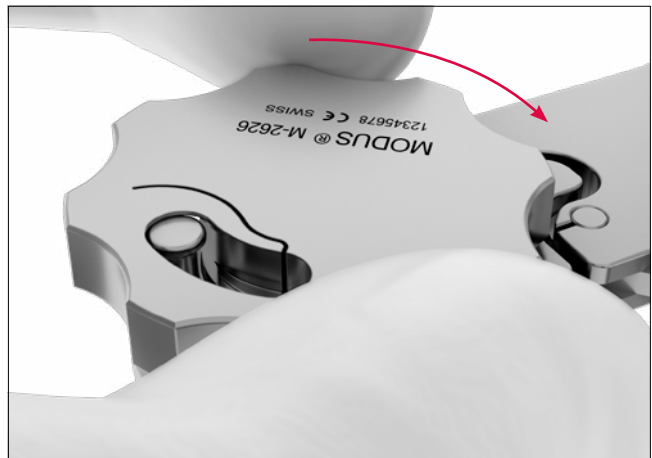
3. Close the lever fastener on the handle. The protection sleeve is thus fixed.



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

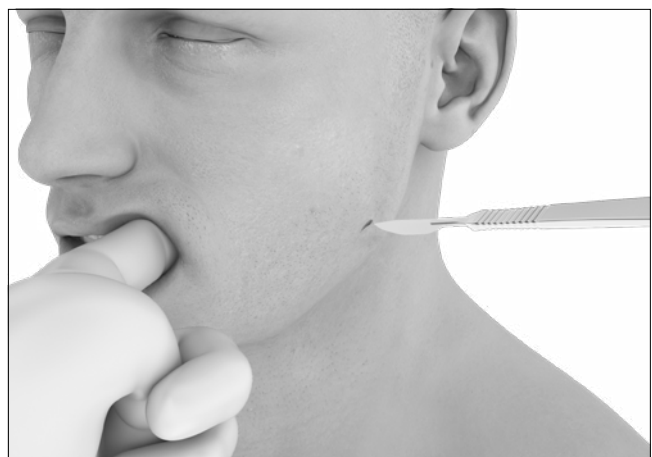


5. Turn the trocar to the right until the bayonet lock engages at the pin of the protection sleeve.

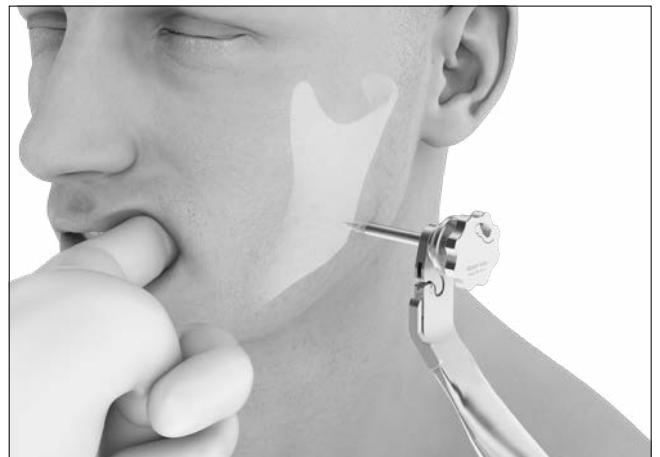
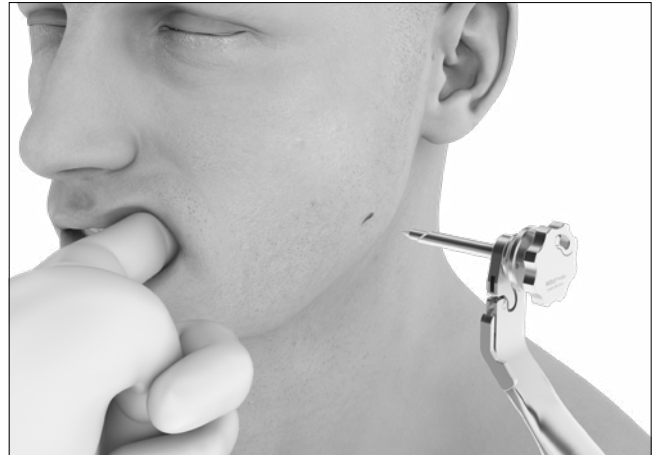


Incision

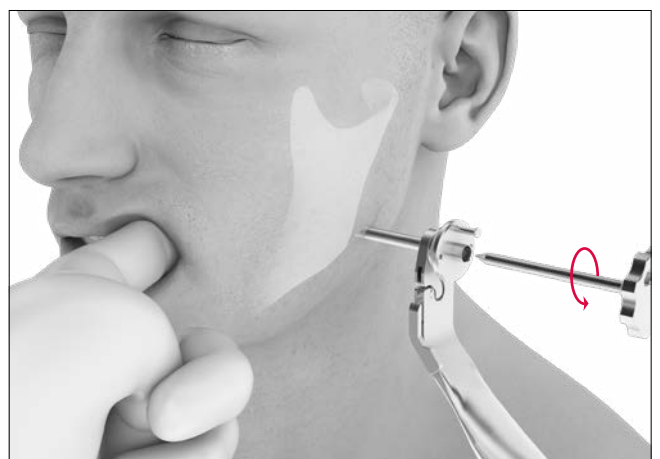
1. Stab incision at the level of the implant area.



2. Tighten the skin at the incision site and puncture 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

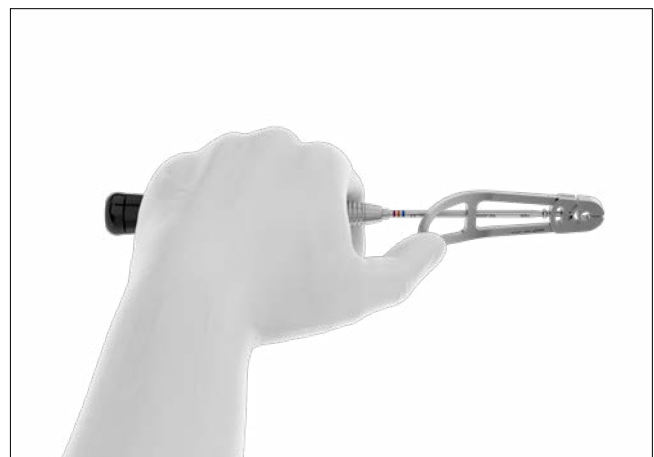


M2-2001
Screwdriver Handle, Type 2



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).



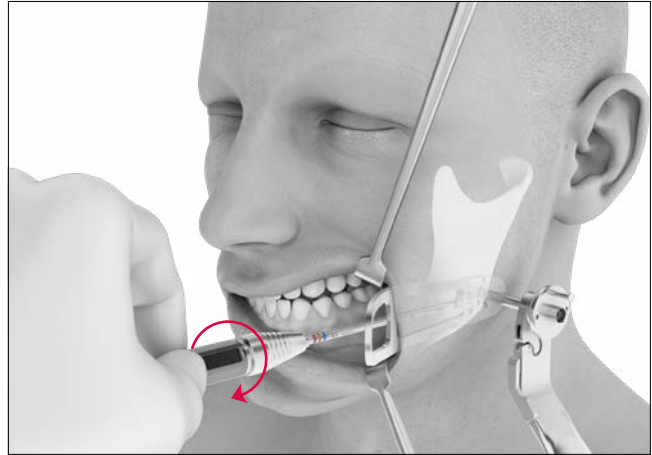
2. Slide the cheek retractor (M-2615) from inside over the protection sleeve.



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.

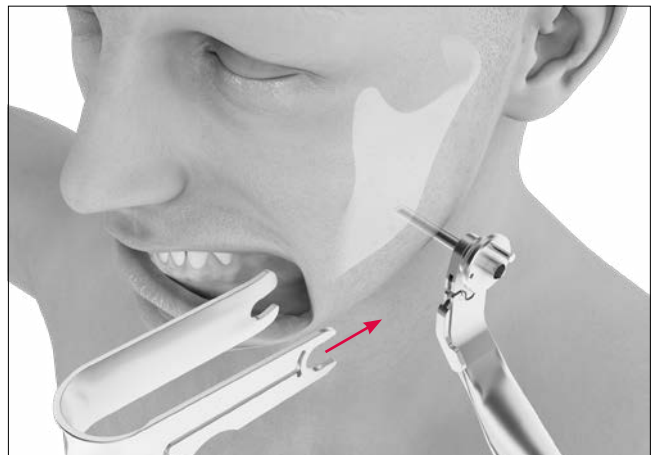


Inserting the Extraoral Cheek Retractor



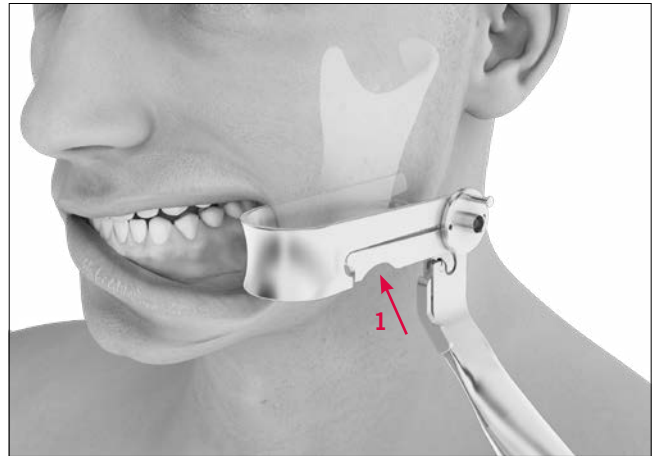
M-2614
Cheek Retractor, Extraoral

1. Insert the extraoral cheek retractor (M-2614). With lateral pressure the cheek retractor engages.



Notice

To remove the extraoral cheek retractor (M-2614), first press the lever mechanism (1) and then pull out the cheek retractor (2).



Drilling

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



2. Insert the twist drill.

During drilling, pressure can be applied with the tissue protection sleeve to the implant in order to prevent it from slipping off.



Notice

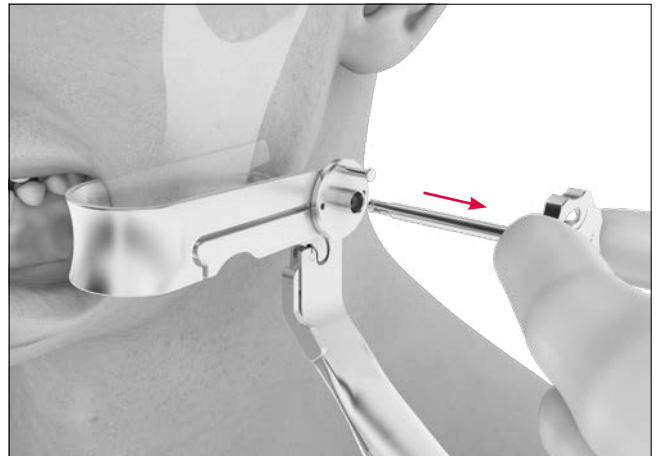
For easier estimation of the drill depth, the drills are provided with laser markings in steps of 5 mm.



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 with the tissue protection sleeve to the implant to prevent it from slipping off.



4. Insert the screw.

Notice

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



*Except with very hard bone

Appendix

Instruments

RCI

Art. No.
M2-3216
M2-3226
M2-3276
M2-3286
M2-3459
M2-3469

Instruments

Art. No.
M-2606
M-2614
M-2615
M-2620
M-2626
M-2630
M-2632
M2-2001
M2-2005

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