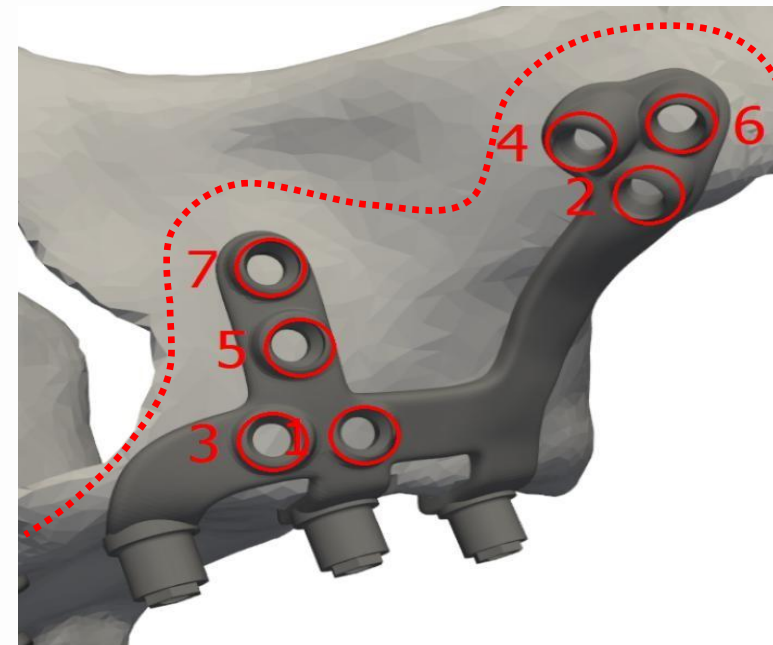
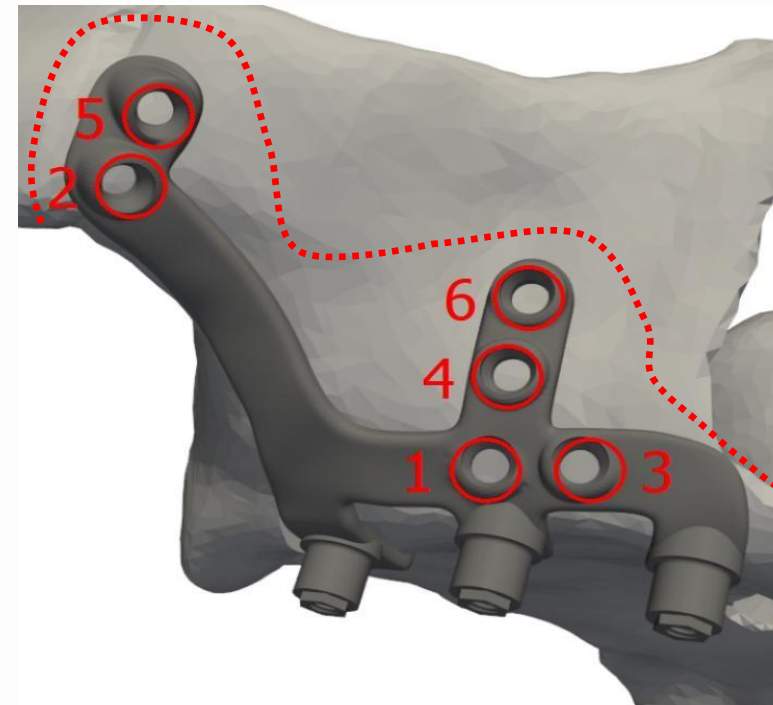
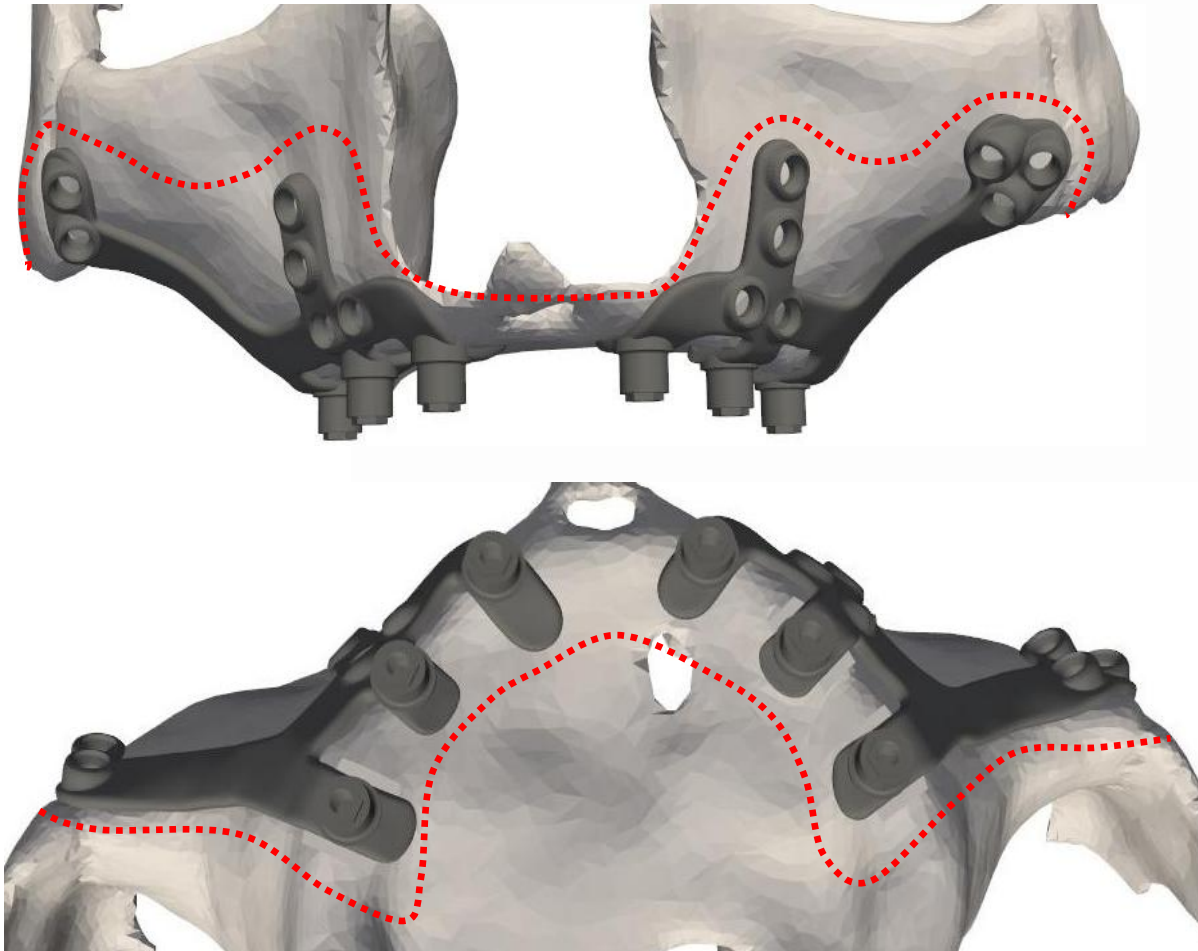


# SUBPERIOSTEAL IMPLANTS SURGICAL PROTOCOL

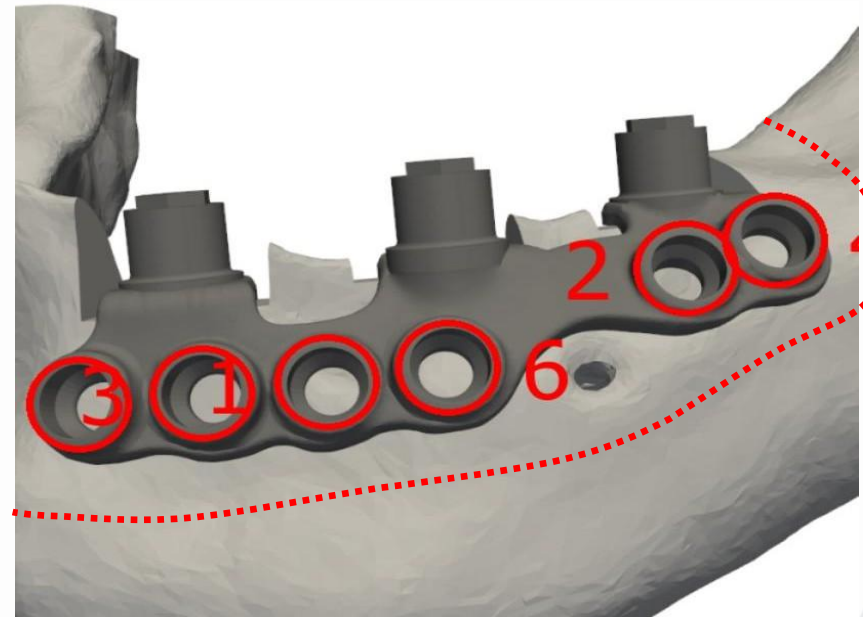
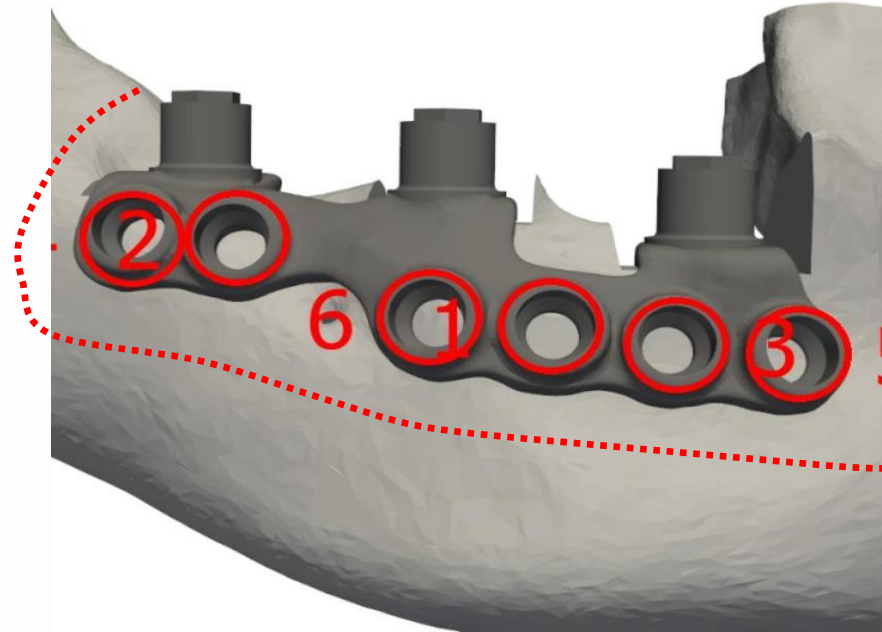
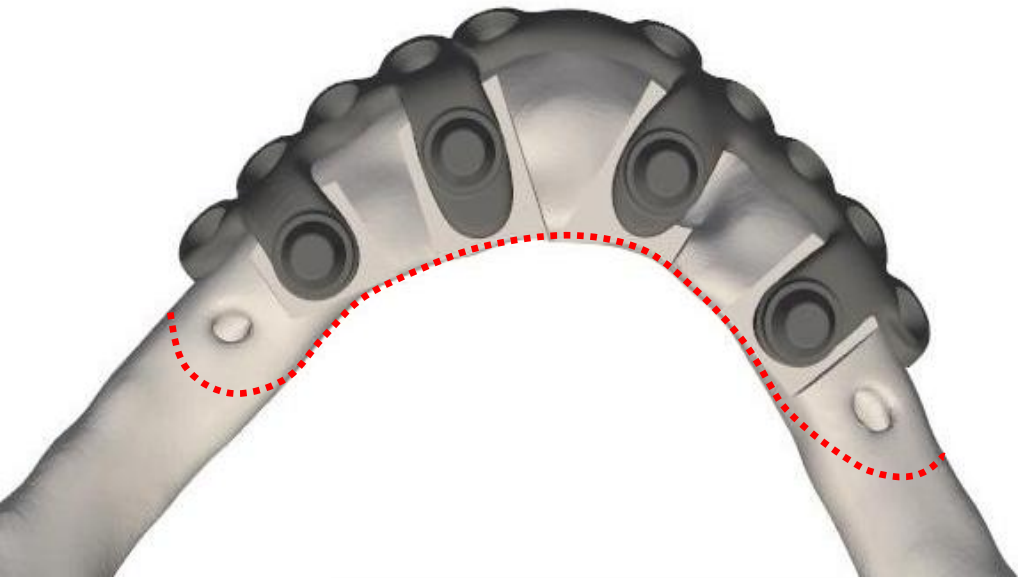
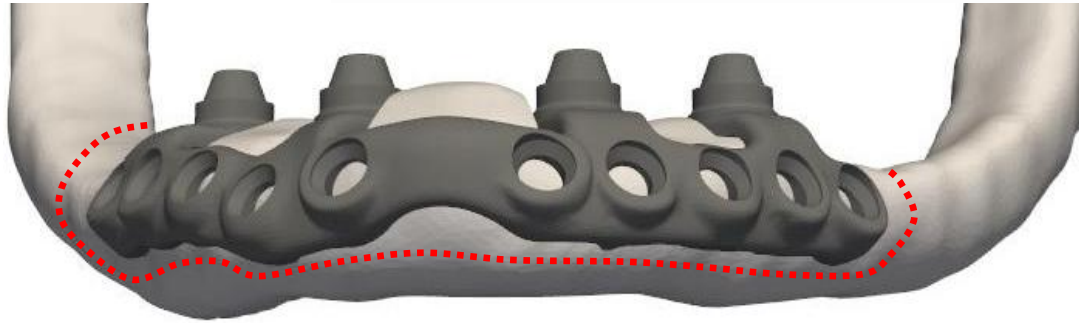
# SURGICAL PROTOCOL

**Step 1:** Properly elevate the periosteum from the maxilla.



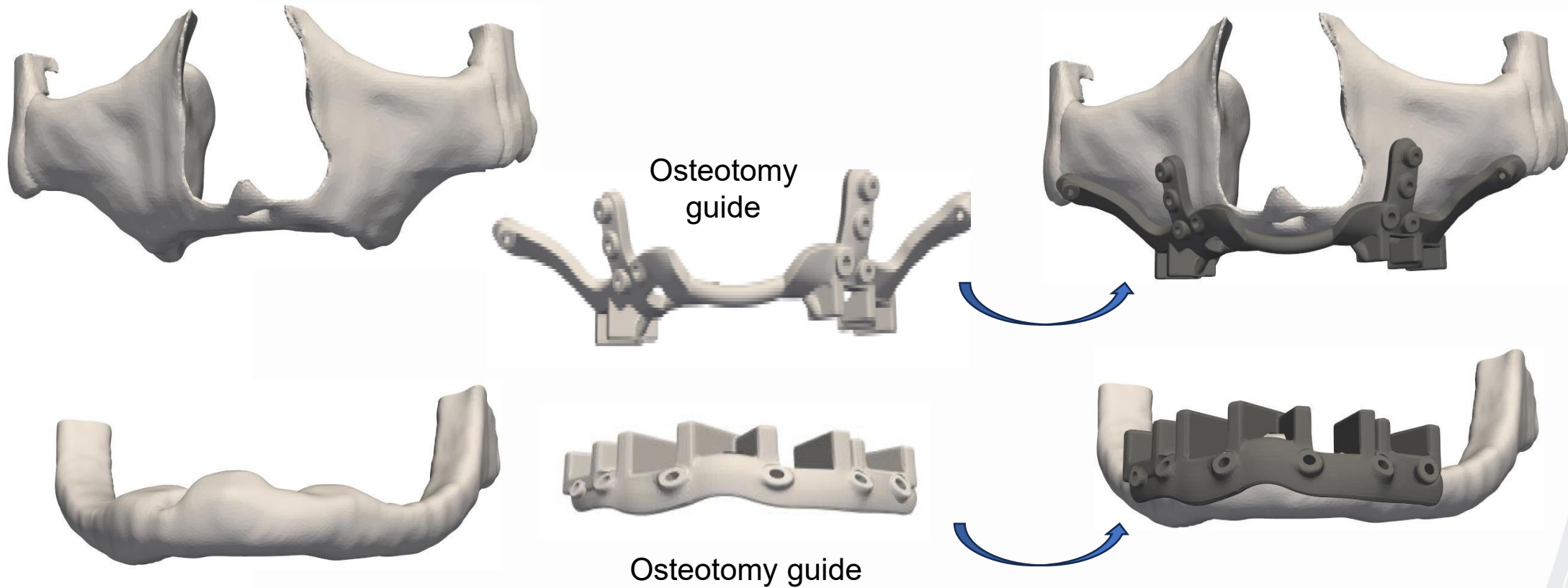
# SURGICAL PROTOCOL

**Step 1:** Properly elevate the periosteum from the mandible.



# SURGICAL PROTOCOL

**Step 2:** Positioning and seating of the osteotomy guide. Proper positioning and secure seating of the osteotomy guide on the maxilla are essential to ensure accurate guide alignment and precise osteotomy preparation.



# SURGICAL PROTOCOL

**Step 3:** Drill all the guide holes (red and blue), which extend 0.8 mm beyond the guide. This design allows the pilot drill to be introduced at a predetermined angle, corresponding to the trajectory planned by the engineers for the osteosynthesis screws.

## OSTEOSYNTHESIS DRILL MAXILLAR

| Diameter | Associated Screw Diameters | Working Length | Reference |
|----------|----------------------------|----------------|-----------|
| 1.2 mm   | 1.5, 2.0 & 2.4mm           | 12 mm          | D-12T-M15 |



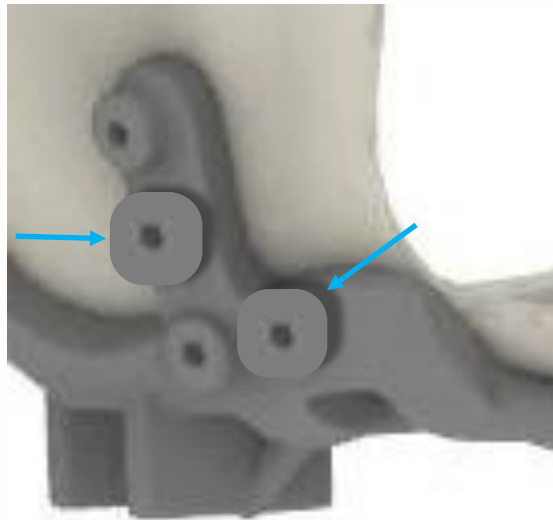
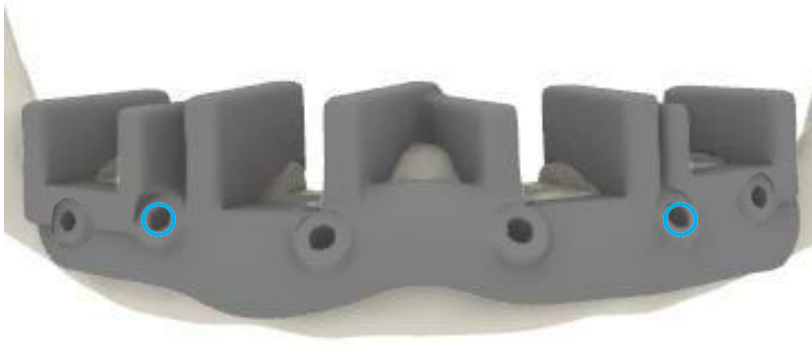
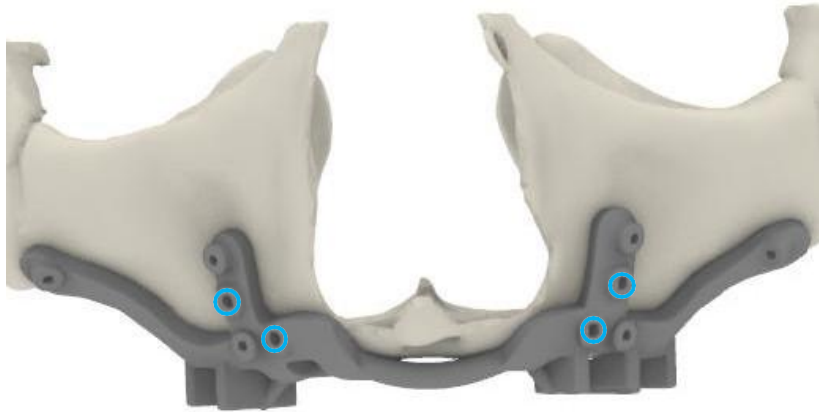
## OSTEOSYNTHESIS DRILL MANDIBULE

| Diameter | Associated Screw Diameters | Working Length | Reference  |
|----------|----------------------------|----------------|------------|
| 1.4 mm   | 1.5, 2.0 & 2.4mm           | 14 mm          | 68-514-014 |



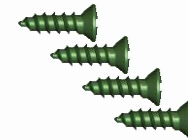
# SURGICAL PROTOCOL

**Step 4:** Insert 1.5×9 mm osteosynthesis screws into all the blue square holes to secure the osteotomy guide to the maxilla.



## MANUAL CONTRA-ANGLE TIP / HANDLE

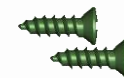
| For screw diameter | Tip length | Reference |
|--------------------|------------|-----------|
| 1.5 mm             | 6 cm       | OALT1K    |



|      |
|------|
| REF. |
| MTM  |

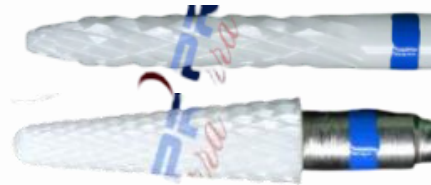
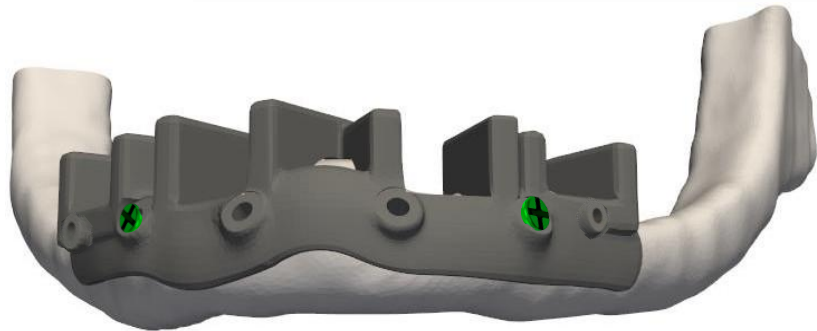
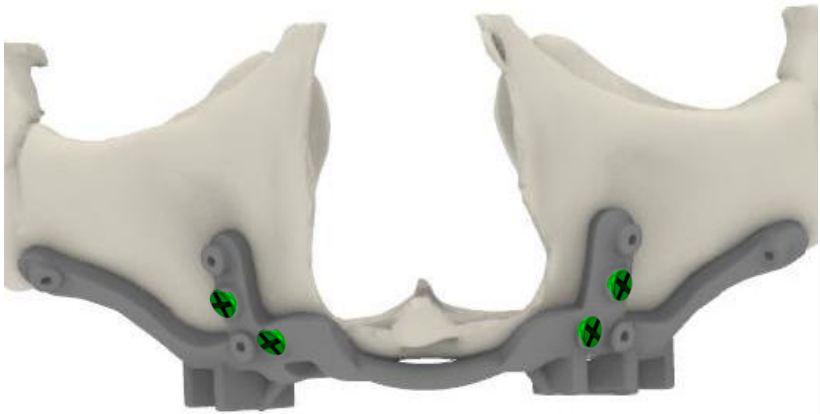
## OSTEOTOMY SCREW

| Diameter | Anodized color | Length | Reference |
|----------|----------------|--------|-----------|
| 1.5 mm   |                | 9 mm   | VA1.5KL9  |



# SURGICAL PROTOCOL

**Step 5:** Osteotomy the osteotomy guide “drawers”.



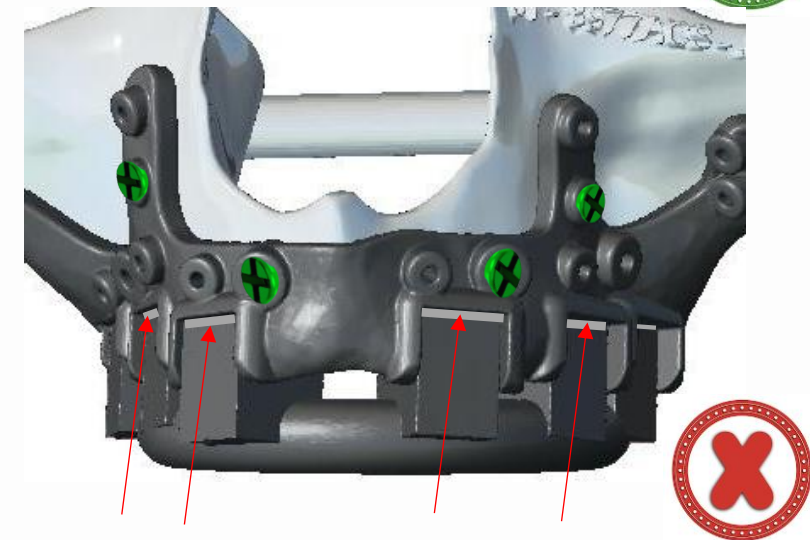
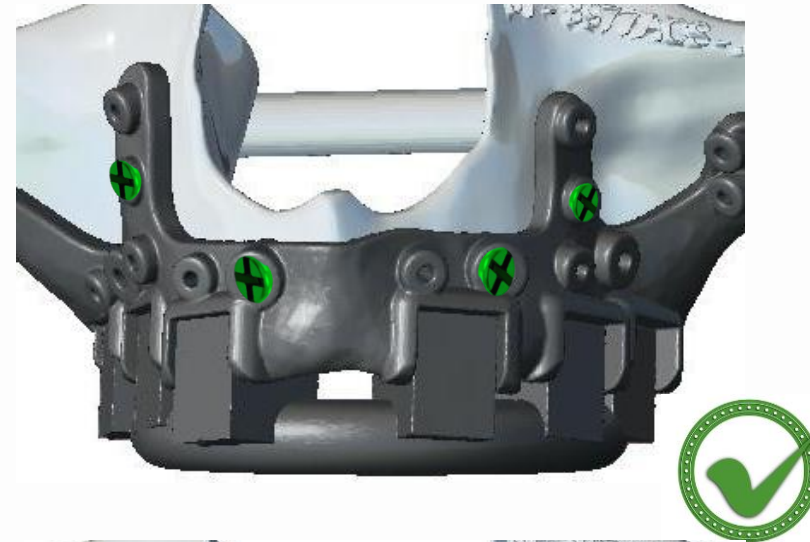
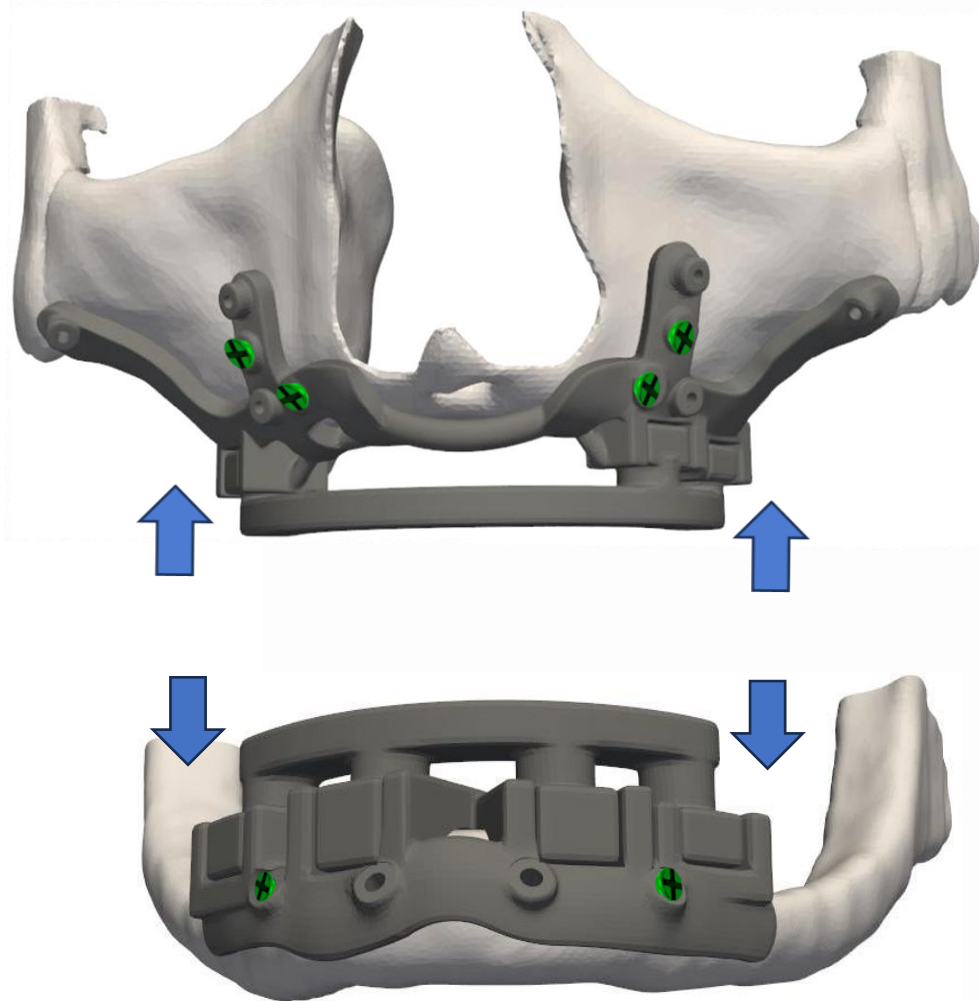
Cylindrical ceramic drill

Cone ceramic drill

Cylindrical diamond drill

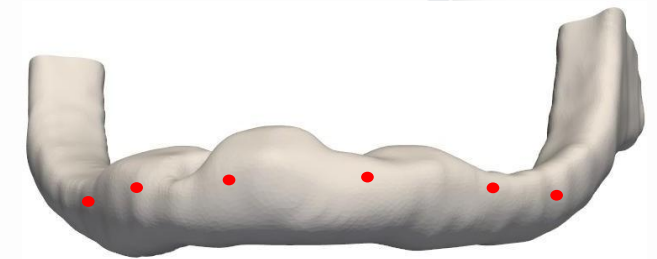
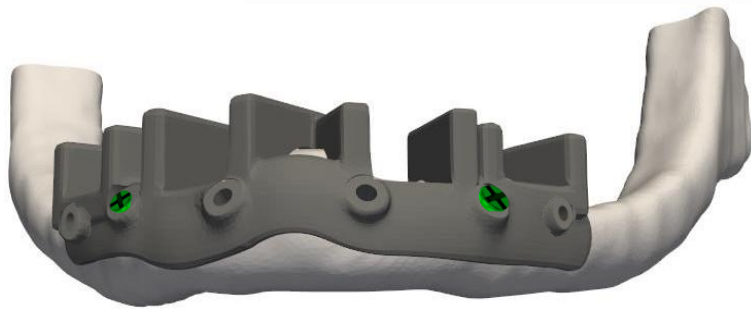
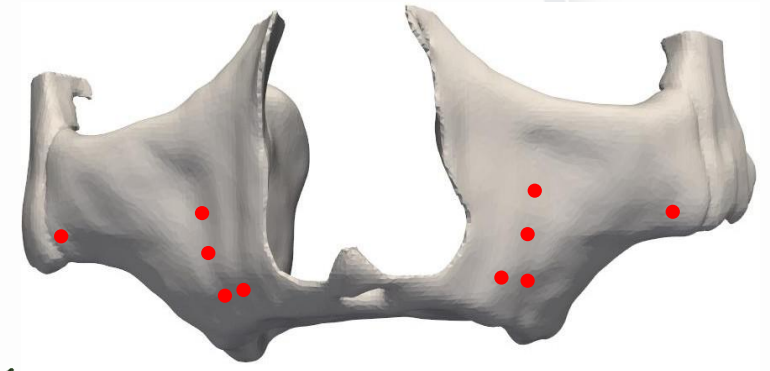
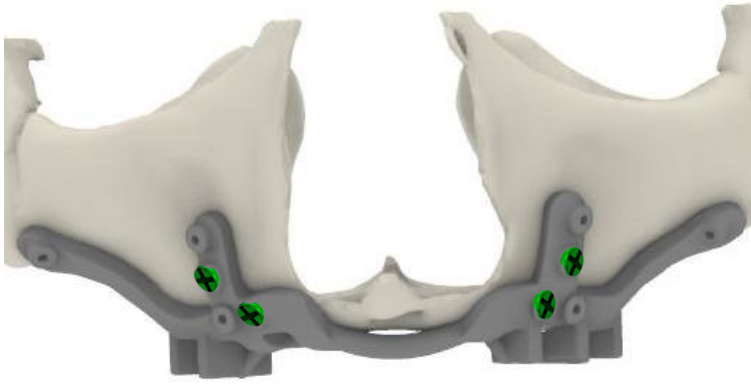
# SURGICAL PROTOCOL

**Step 6:** Checking the correct osteotomy placing the verification guide to the osteotomy guide.



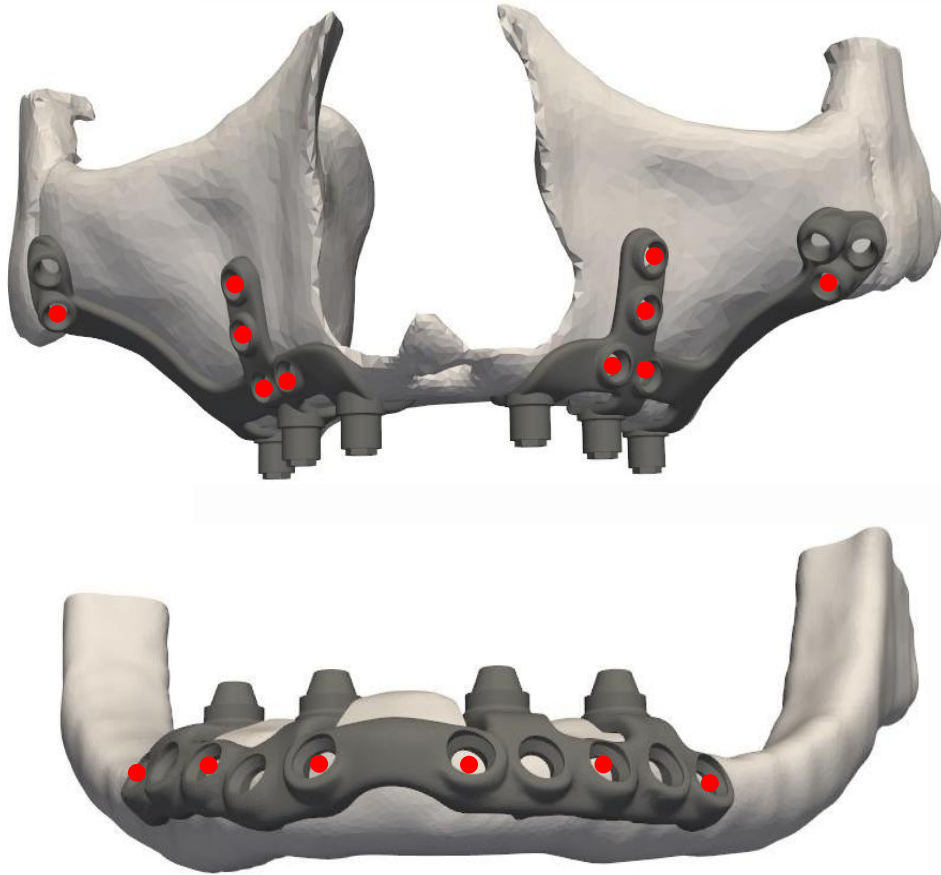
# SURGICAL PROTOCOL

**Step 7:** Remove the osteosynthesis screws and detach the osteotomy guides.



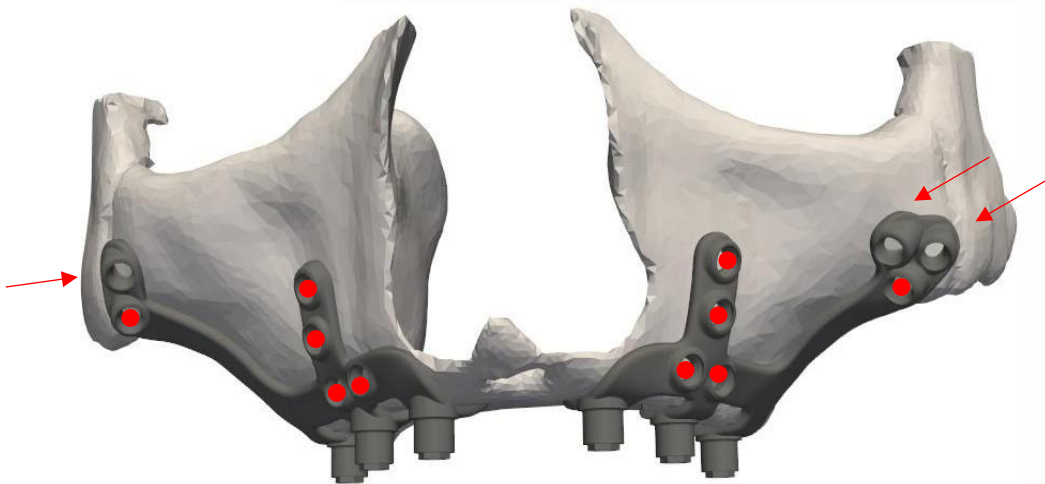
# SURGICAL PROTOCOL

**Step 8:** Positioning the subperiosteal implant structures, the pilot drills has been centered to the center of the Ti structure holes.



# SURGICAL PROTOCOL

**Step 9:** Prepare the osteotomies for any implant sites that were not previously drilled using the osteotomy guide. In dense bone (particularly in the mandible), prepare the osteotomies to the appropriate depth according to the bone quality and the length of the osteosynthesis screw. This ensures that the insertion torque does not exceed the maximum recommended value of 50 Ncm when the screw is inserted.



## OSTEOSYNTHESIS DRILL MAXILLAR

| Diameter | Associated Screw Diameters | Working Length | Reference |
|----------|----------------------------|----------------|-----------|
| 1.2 mm   | 1.5, 2.0 & 2.4mm           | 12 mm          | D-12T-M15 |



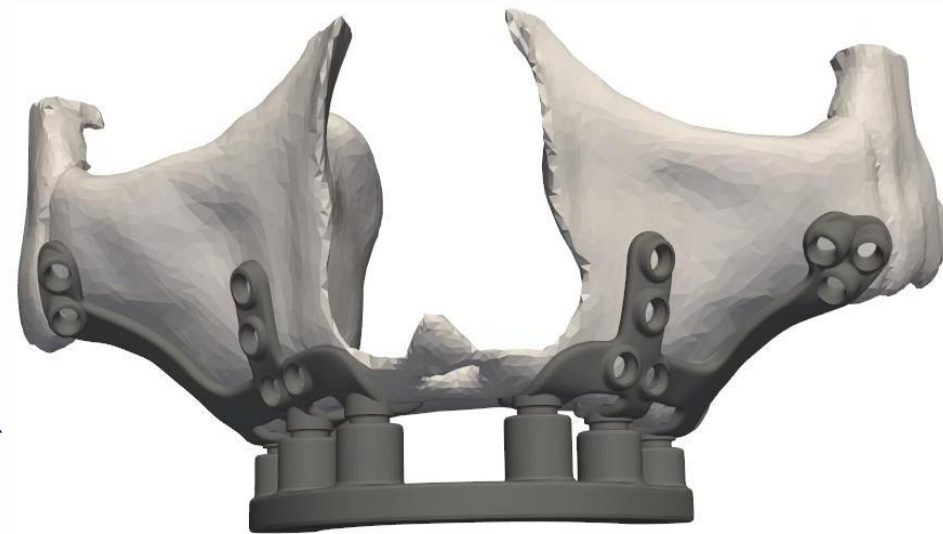
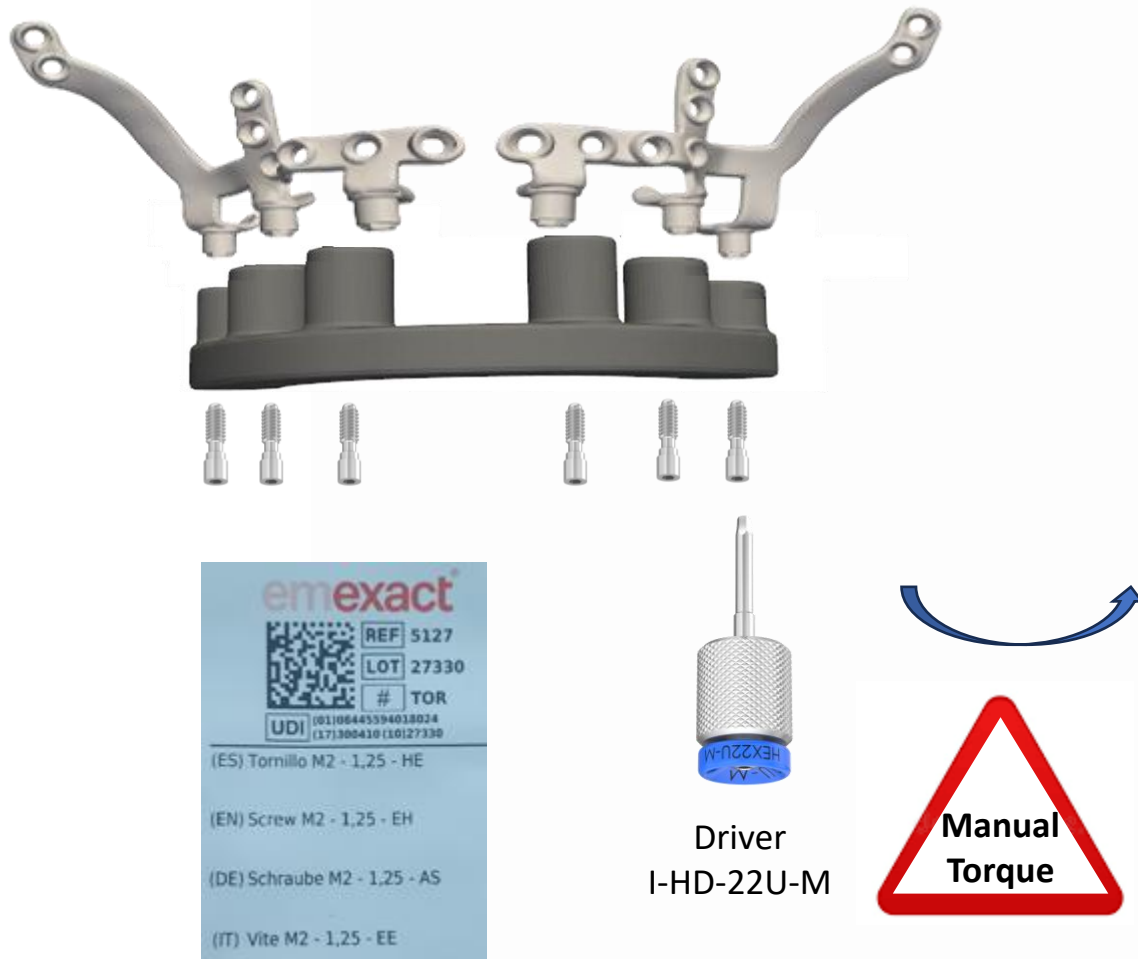
## OSTEOSYNTHESIS DRILL MANDIBULE

| Diameter | Associated Screw Diameters | Working Length | Reference  |
|----------|----------------------------|----------------|------------|
| 1.4 mm   | 1.5, 2.0 & 2.4mm           | 14 mm          | 68-514-014 |



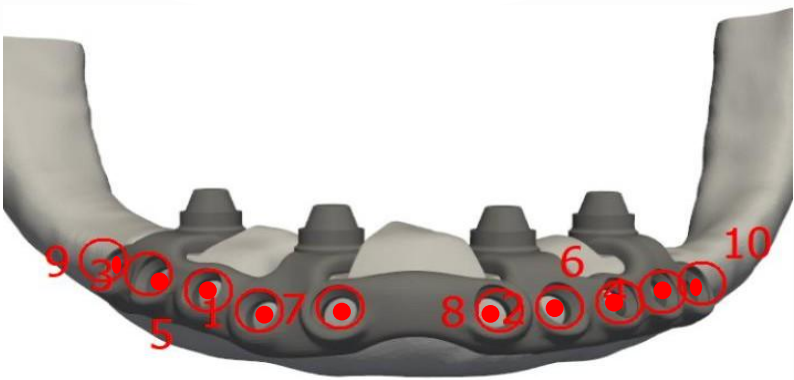
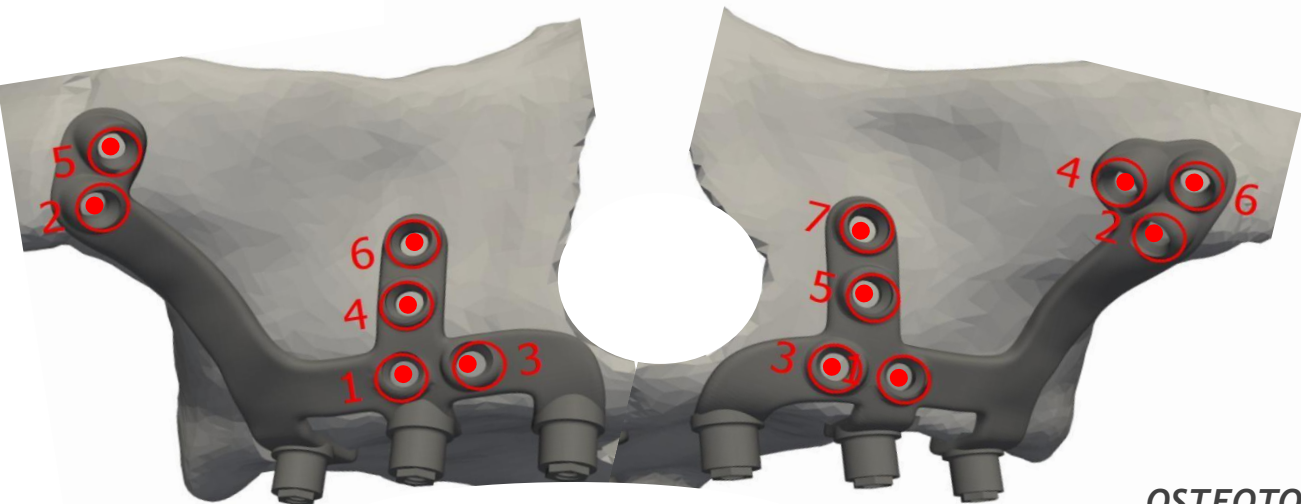
# SURGICAL PROTOCOL

**Step 10 (in case that the Final Surgical Report requests it):** Fix (with or without screws) the splinting surgical guide to the Ti implant structures.



# SURGICAL PROTOCOL

**Step 11:** Screwing ALL the Ø2.0 mm screws following the Final Surgical Report order.



## MANUAL CONTRA-ANGLE TIP / HANDLE



| Compatible screw diameter | Tip length | Reference |
|---------------------------|------------|-----------|
| 2.0 & 2.4 mm              | 3 cm       | ACT2K-2   |
| 2.0 & 2.4 mm              | 6 cm       | ALT2K-2   |

|      |
|------|
| REF. |
| MTM  |

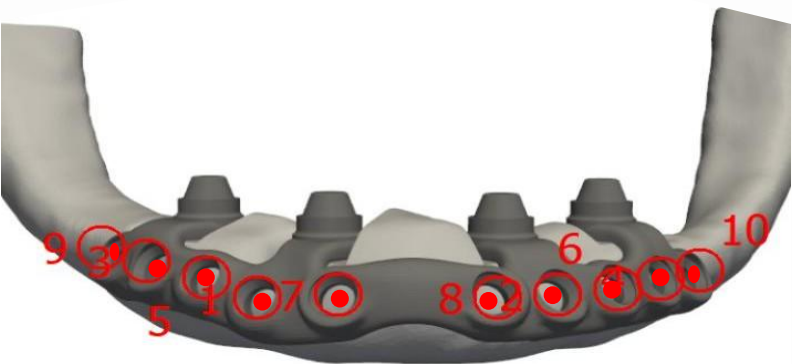
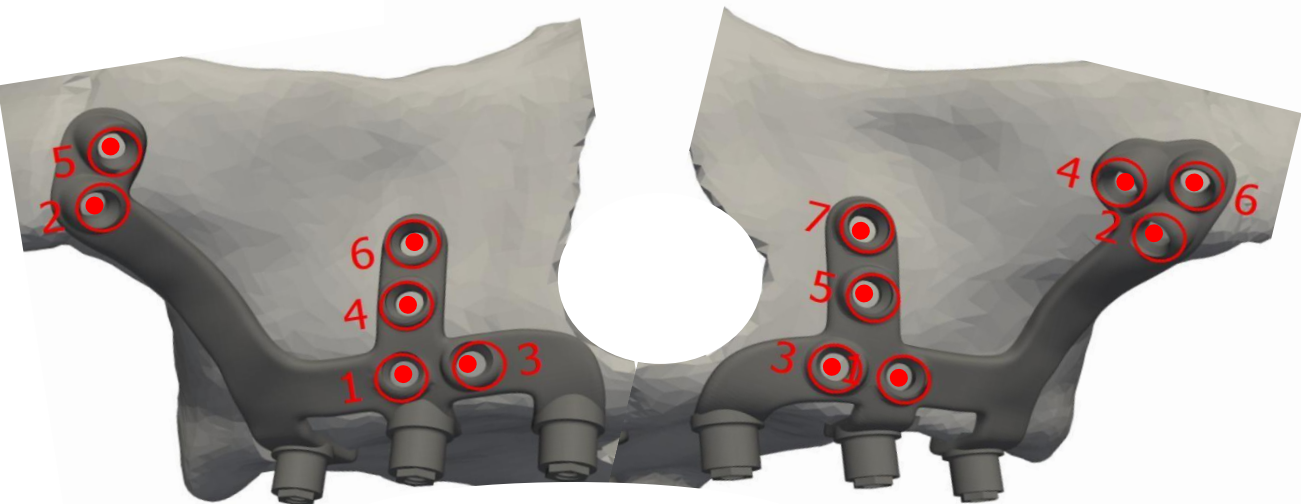
## OSTEOTOMY SCREW

| Ø 2.0 mm | Anodized color | length | Reference |
|----------|----------------|--------|-----------|
|          |                | 5 mm   | VA2KL5    |
|          |                | 6 mm   | VA2KL6    |
|          |                | 7 mm   | VA2KL7    |
|          |                | 9 mm   | VA2KL9    |
|          |                | 11 mm  | VA2KL11   |

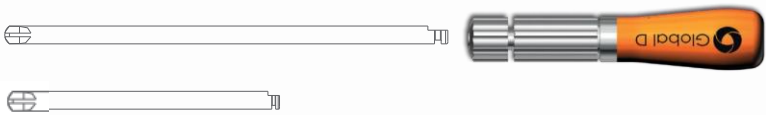


# SURGICAL PROTOCOL

**Step 12:** Screwing Ø2.4 mm rescue screws in the case that the 2.0mm do not have stability.



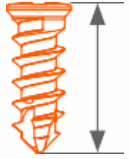
### MANUAL CONTRA-ANGLE TIP / HANDLE



| REF. |
|------|
| MTM  |

| Compatible screw diameter | Tip length | Reference |
|---------------------------|------------|-----------|
| 2.0 & 2.4 mm              | 3 cm       | ACT2K-2   |
| 2.0 & 2.4 mm              | 6 cm       | ALT2K-2   |

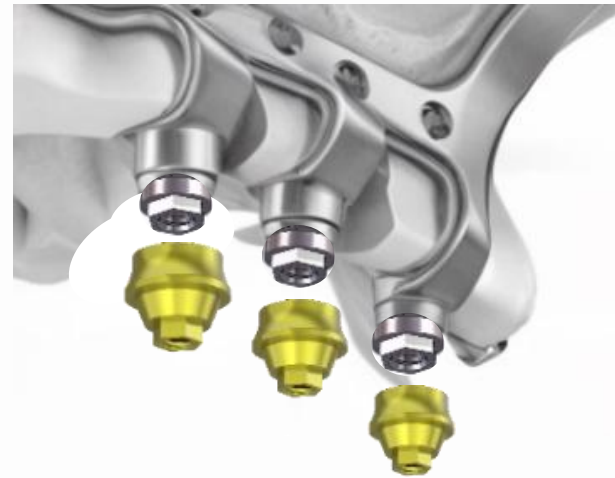
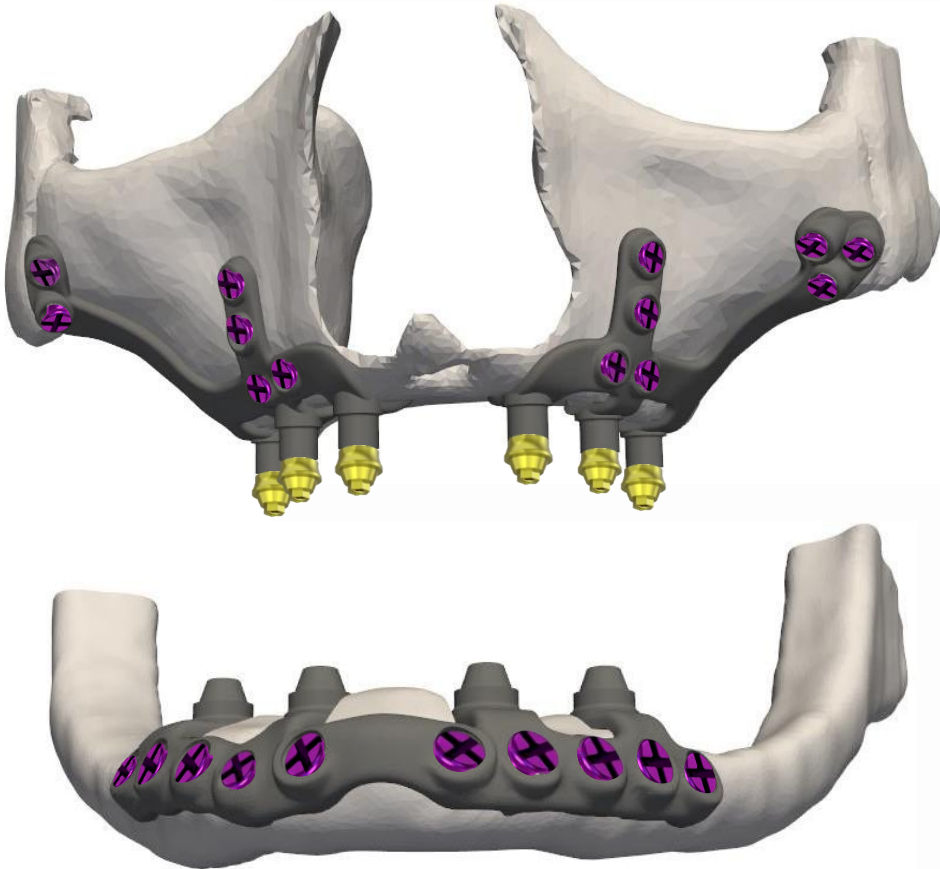
### OSTEOSYNTHESIS RESCUE SCREW

| Ø 2.04mm                                                                              | Anodized color                                                                        | length | Reference |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|-----------|
|  |  | 7 mm   | V2.4KL7   |
|                                                                                       |                                                                                       | 9 mm   | V2.4KL9   |
|                                                                                       |                                                                                       | 11 mm  | VA2.4KL11 |



# SURGICAL PROTOCOL

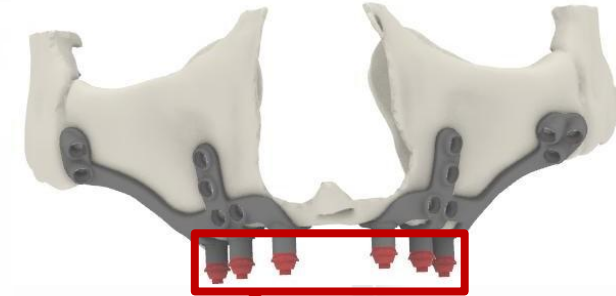
**Step 13:** Screw the Multi-unit abutments suggested to the Final Surgical Report.



External hex implant connections



Multi-unit abutment implants connections



Multi-unit  
abutments AMCZ1



Driver I-AD

# SURGICAL PROTOCOL

**Step 14:** Place the provisional & screw the Multi-unit screws.

