J DENTAL CARE

just smile

ZGO GUIDE™

GO GUIDED, GO SIMPLER, GO SAFER

Made in Italy

Z-GO GUIDE™

WELCOME IN THE NEW Z-GO GUIDE™ ERA

JDentalCare has developed a new solution to enhance the zygomatic surgery approach.
Z-GO Guide™ is a patented guided system to support clinicians during the challenging and complex cases involving zygomatic implants.

Surgeries involving the use of zygomatic implants are among the most complex therefore they are usually performed by highly experienced doctors. It is essential that the surgeon performs an extremely thorough procedure in order to obtain perfect results and avoid major complications.

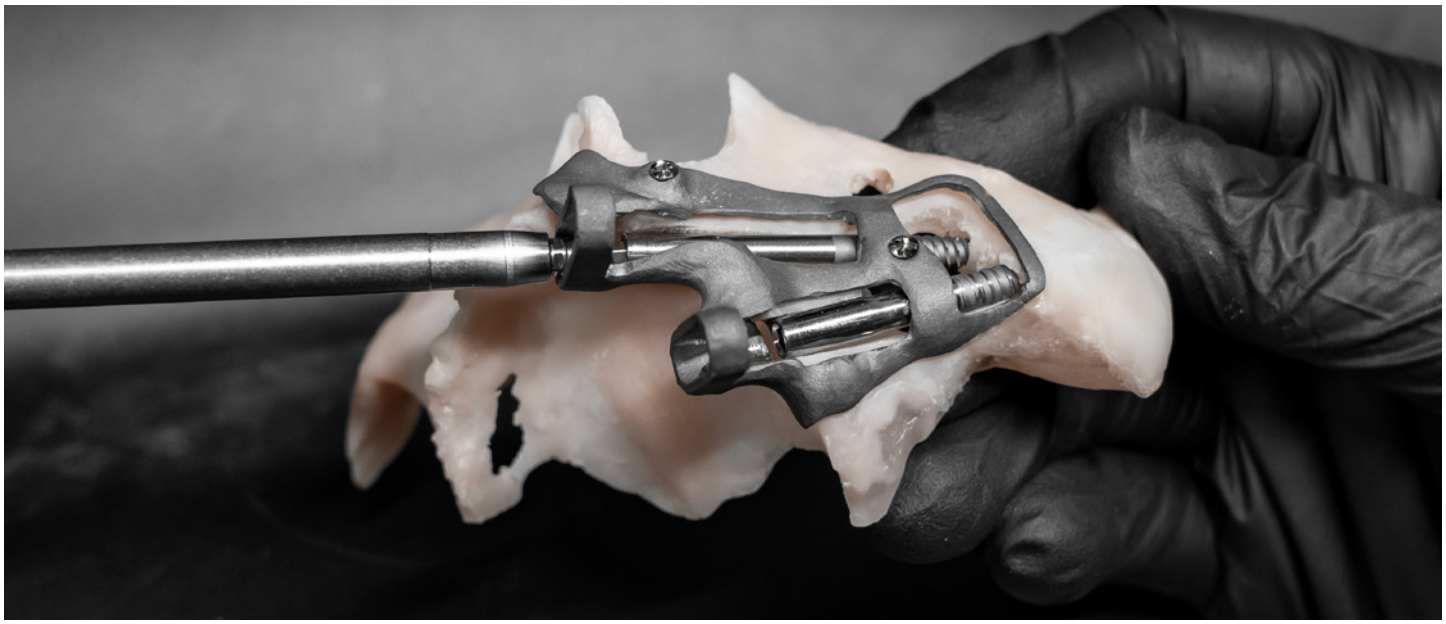
Z-GO Guide™ is a comprehensive concept including a medical grade titanium surgical guide, digitally designed, manufactured with 3D laser printing technology; this is possible due to the advanced functionalities of JD-igital Guide software (powered by Real Guide™) that have been specifically developed for the Z-GO Guide™ concept.

A cutting edge, bone supported, surgical guide to make your zygomatic surgeries precise and predictable. Moreover the dedicated Z-GO Guide™ surgical kit will allow a fully guided zygomatic implant placement.

Z-GO Guide™: **Go Guided, Go Simpler, Go Safer.**

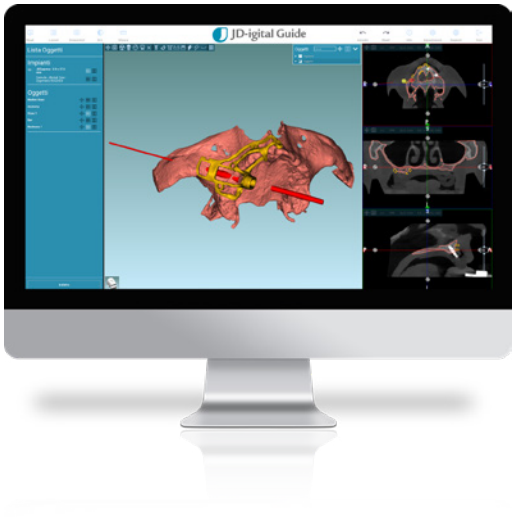
Hybrid Zygoma

Quad Zygoma



Z-GO GUIDE™

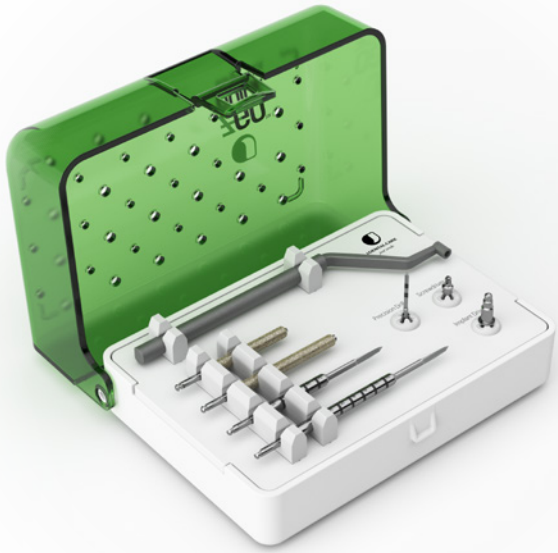
FULLY GUIDED ZYGOMATIC IMPLANT SURGERY



GO GUIDED

Z-GO Guide™ concept comes from a customization of the most advanced funcionalities of JD-igital Guide software (powered by Real Guide™).

The proprietary modules that have been developed offer everything needed for precise zygomatic implant planning, a Z-GO Guide™ fully customized design of the surgical guide with the goal to provide predictable, accurate, safe and minimally invasive zygomatic implant guided surgery.

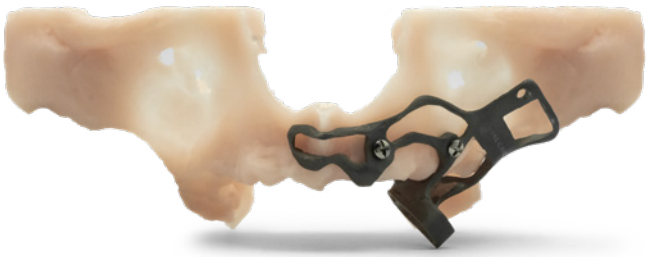


GO SIMPLER

Simplify your zygomatic surgery experience with the Z-GO Guide™ Surgical Kit.

Dedicated new drills and drivers have been developed to perform a fully guided zygomatic surgery procedure.

This new kit, simple and compact, works in combination with the JDZygoma Kit to give the user the maximum flexibility.



GO SAFER

More precision and more safety for you and your patients.

Plan a safe surgery working with digital planning and using dedicated surgical tools.

A precise and predictable step by step protocol to be followed during all your zygomatic surgeries.

PRODUCT CATALOGUE

Drills:

JDDR102	Z-GO Guide™ Precision Drill
ZJDDREXS250NP	Z-GO Guide™ Initial Drill L 50
ZJDDREXS270NP	Z-GO Guide™ Initial Drill L 70
GZDDS	Z-GO Guide™ Diamond Drill
GZDDL	Z-GO Guide™ Diamond Drill Long

Drivers:

JDIDA	Z-GO Guide™ Initial Drill Adaptor
JDPD140	Z-GO Guide™ Screwdriver
JDID115	Z-GO Guide™ Implant Driver

Z-GO GUIDE™

Z-GO GUIDE™ WORKFLOW

JDentalCare accompanies you all along the way and puts at your disposal the experience and capabilities of JDLab, a laboratory of the latest generation to which you can turn

1 THE DENTIST SENDS TO JDLAB:

- CT dental scan or CBCT in dicom format
- Diagnostic wax-up copy
- Templates
- Medical prescription
- Evobite

2 THE TUTOR OF JDLAB PREPARES:

- Model scans with Evobite
- Guided-surgery digital planning

3 THE DENTIST APPROVES:

- Guided-surgery digital planning

4 THE TUTOR OF JDLAB PRODUCE:

- Z-GO GUIDE™ in medical grade titanium

5 THE TUTOR SENDS TO THE DENTIST:

- **Z-GO GUIDE™**
- **3D printed model**
- **Digital planning summary**

COMPUTER TOMOGRAPHY (CT) PROTOCOL

PATIENT PREPARATION:

Remove all metal objects that fall back into the scanning area. Metal objects do not prevent scanning but generate interference in images that could make three-dimensional reconstruction impossible. Temporary prostheses that do not have metals can be left in place. Position the patient comfortably and instruct him on the importance of standing still while scanning. The scan must have no movement artifacts.

• *OPTION 1*

CBCT SCANNING PROTOCOL:

Cone Beam upper jaw arch up to the orbit floor. Use the following parameters or values as nearest as possible: Place a radio-transparent spacer between the arches. Set the FOV to 160mm. Set the Voxel to 0.3mm. Acquire to 120KV and 200 mas. Store the axial image series in DICOM format on CD. You must provide the entire volumetric axial acquisition in DICOM format.

• *OPTION 2*

DENTAL SCAN CT:

Dental scan with multislice CT upper jaw arch up to the orbit floor. Set the FOV to 140mm. Set the Gantry to 0. Store the series of axial images in reconstructed DICOM format at 0,310 mm (0,625 mm thick and 0,31 mm feed) and with a matrix of 512 pixels.

ZGO GUIDE™

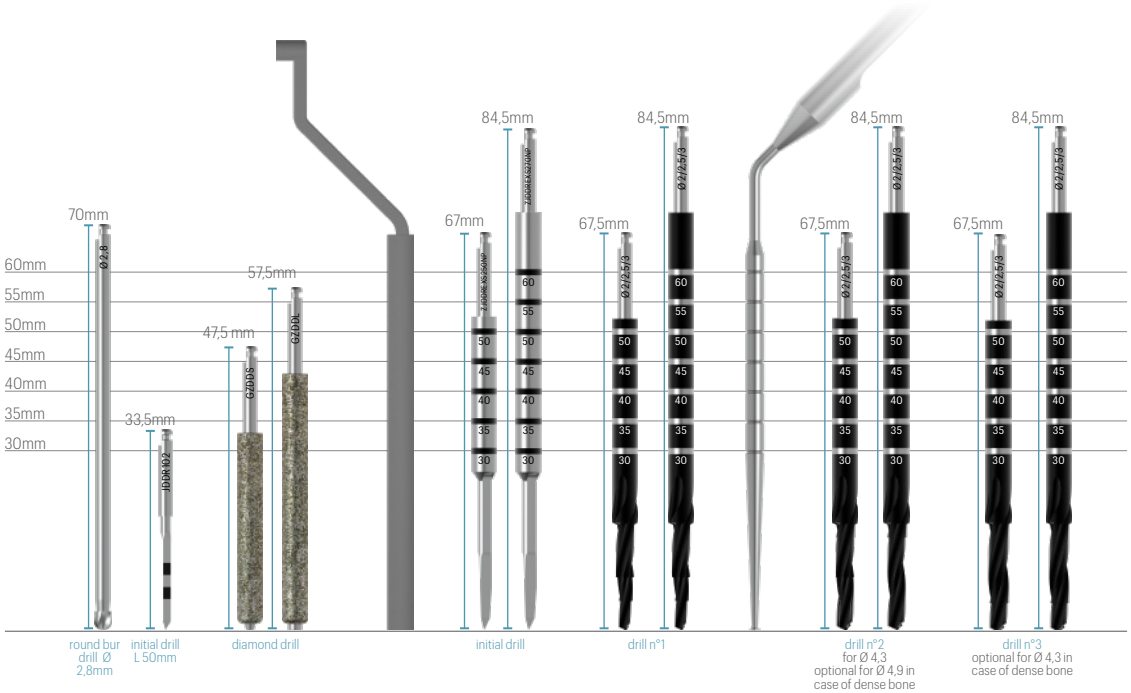
DRILLING PROTOCOL

It is recommended to adhere to the indications of the following drilling sequence to ensure optimal primary stability of the implants.

1. Mark the extension of the window on the sinus wall.
2. Use the Round Bur Drill JDDRZSF28* to create the window on the sinus wall in order to detach the membrane without beaking it.
3. Place the guide and fix it. Prepare the pilot holes with the Precision Drill JDDR102 and then insert the customized screws** using the Screwdriver JDPD140.
4. Start the osteotomy using the Diamond Drills GZDDL and GZDDS to create the housing for the implant body in the maxilla. Move the drill in the buttonhole with vestibulo-palatal movements.
5. Insert the Initial Drill Adaptor JDIDA in the apical sleeve.
6. Start perforating the zygomatic bone with the Initial Drill ZJDDREXS250NP and ZJDDREXS270NP. The drill will be guided by the coronal and apical sleeves, and will be stopped automatically when reach the Initial Drill Adaptor.
7. Continue the osteotomy using the Zigomatic Drill 1*, Zygomatic Drill 2* and Zygomatic Drill 3*, to create a perfect site.
8. Use the Depth Probe* to check the perfect lenght of the implant to choose.
9. Insert the JDZygoma implant using the implant driver JDID115 with JD Surgical Driver Max*.

discover more
from clinical cases
on our website

*Those drills and instruments are inserted in the JDZygoma Surgical Kit. To be ordered separately.
**The screws will be included in the surgical guide shipment.



Note: all measurements in mm

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