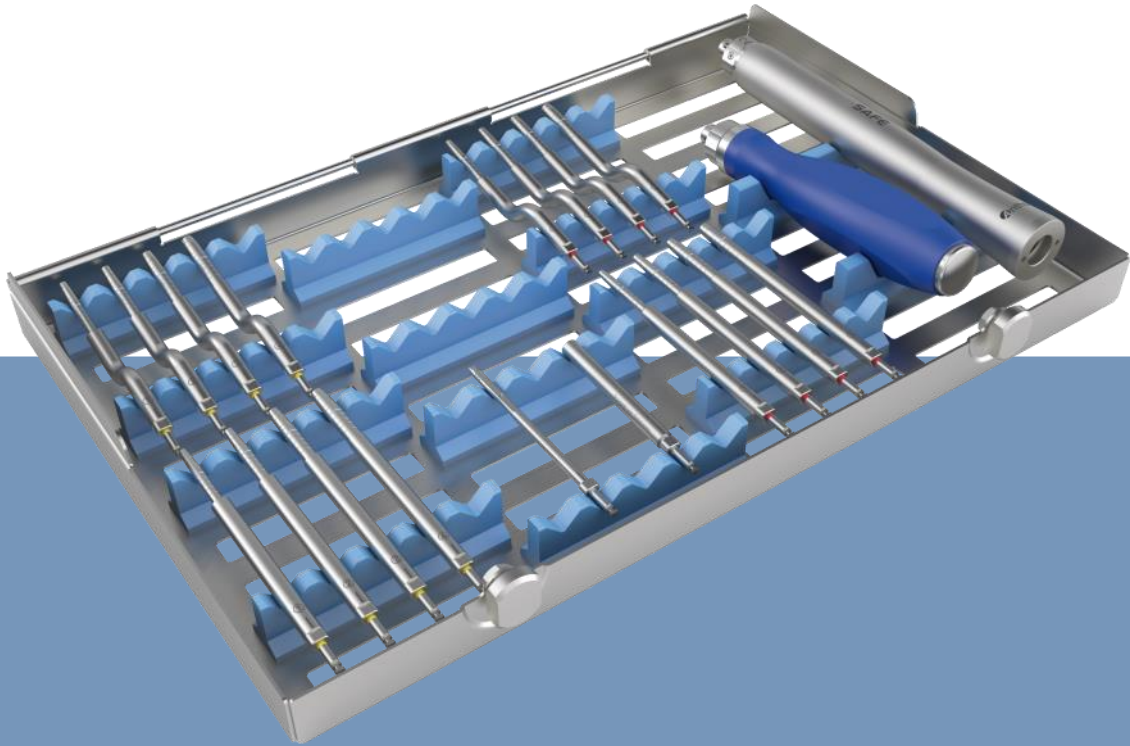


OSTEO SAFE



US—Use of osteotomes

US - The OSTEo SAFE Osteotomy kit (REF. INKITOSTEoFULL)



The kit contains:

- 1 SAFE automatic impactor
- 1 set of 4 concave, straight osteotomes
- 1 set of 4 convex, straight osteotomes
- 1 set of 4 concave, bayonet osteotomes
- 1 set of 4 convex, bayonet osteotomes
- 1 Universal Surgical instrument
- 1 Axiom® REG/PX implant screwing mandrel
- 1 extra-long threeelobed mandrel extension

The illustration is of a complete kit – Ref: INKITOSTEoFULL. The protocol and instructions for use are also applicable for Ref. INKITOSTEoCC and INKITOSTEoCX.

INDICATIONS

The SAFE automatic impactor is intended for use in dental surgery, for crestal approach sinus lifts and bone condensation in the upper-jaw.
This SAFE impactor can also be used for dental extractions with our EXO SAFE (information available on www.anthogyr.com)

INTRUCTION FOR USE

The SAFE automatic impactor is used to generate impacts at a controlled intensity and frequency. When used with osteotomes, osteotomy techniques such as "tapping" can be practiced with no need for a mallet. The number of micro-impacts is controlled by changing the motor speed.

Anthogyr osteotomes are available in concave or convex types of straight or bayonet models.

They can be used in the anterior and posterior upper jaw regions in low-density bone.

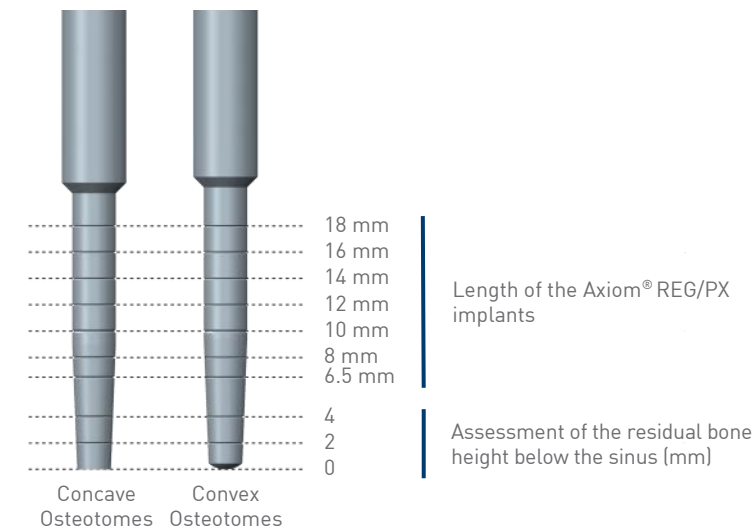
They are introduced into the bone by impaction with the SAFE automatic impactor which is directly connected to the micro-motor (ISO 3964-type connection – maximum motor speed set at 15,000 rpm).

The Universal Surgical instrument can also be used as a manual option, with a surgical mallet and the set of osteotome inserts provided, if necessary.

OSTEOTOME SEQUENCE

OSTEOTOME N°	Ø OF THE APICAL TIP OF THE OSTEOTOME (in mm)	Ø OF THE CYLINDRICAL PART OF THE OSTEOTOME - ON THE 18mm MARK (in mm)	Ø OF THE INTERMEDIATE PART OF THE OSTEOTOME - ON THE 10mm LANDMARK (in mm)	DIAMETER OF THE AXIOM® REG/PX IMPLANT (in mm)
①	Ø 2.00	Ø 2.80	Ø 2.45	Ø 3.4
②	Ø 2.50	Ø 3.30	Ø 2.80	Ø 4.0
③	Ø 3.00	Ø 3.90	Ø 3.50	Ø 4.6
④	Ø 3.50	Ø 4.50	Ø 4.10	Ø 5.2

LENGTH SPECIFICATION



A complete set of osteotomes consists of 4 instruments.

Nevertheless, the number of osteotomes required to prepare the implant site depends on the following clinical factors:

- The width of the maxillary ridge
- The height of the residual under sinus bone
- The thickness of the cortical bone
- The structure of the cortical bone
- The diameter of the implant

SURGICAL PROTOCOL

1-DRILLING
Initial drill Ø2.0 mm
1 500 rpm

2-IMPACTION
Motor at a maximum speed of 15,000 rpm.*

Concave Osteotomes or Convex Osteotomes

3-FILLING
Bone filling can be carried out according to the practitioner's technique.

4-SCREWING
Placement of the implant
25 rpm

CLEANING-DISINFECTION-STERILISATION

REPROCESSING PREPARATION

MDs are supplied NON STERILE. They must be cleaned, disinfected and sterilised before the first use and after each use.

MANUAL

- Brush each element under running water with a soft brush.
- Brush each element with diluted detergent-disinfectant (Neodisher Mediclean 5mL/L) for at least 3 minutes.
- Rinse for at least 1 minute under demineralised water
- Dry each element

AUTOMATIC

- Only in a washing and disinfecting machine qualified for the processing of this type of **MD**. Follow the instructions of the equipment manufacturer.

The thermal disinfection cycle .

	Temperature	Duration	Type of detergent and concentration (if applicable)
Pre-wash	Water: from cold to 35°C	4 min.	Not applicable
Washing	Water: 50 to 65°C	5 min.	Néodisher Mediclean Dental (2mL/L)
Washing	Water: 50 to 65°C	3 min.	Neodisher Z Dental (2mL/L)
Rinsing	Water: from cold to 43°C	2 min.	Not applicable
Thermal disinfection	Water: 95°C	10 min.	Not applicable
Drying	Air: 115°C	10 min.	Not applicable

STERILISATION

IMPORTANT: For the Safe impactor, lubricate it well before sterilisation (see MD information sheet).

- Only sterilise clean, lubricated (as needed) and tested (as needed) instruments.
- We highly recommend the use of autoclave with pre-vacuum (Class B).
- Place all MDs in the tray and place it in a sterilising bag compliant with current regulations and adapted to size
- Observe the space within the bags and avoid overloading the autoclave.
- All **MDs** and their accessories (except accessories marked with the  logo, which are single-use) can be sterilised at 132° C for 3 minutes (sterilisation time).
- Drying time is 10 minutes. Ensure the device is perfectly dry at the end of the cycle

RELATIONSHIP BETWEEN THE INPUT ROTATIONAL SPEED (MOTOR) AND THE OUTPUT IMPACT FRE-
QUENCY

	RATIO 1:1 rpm	OSTEO SAFE Impact/min
	2 000	20
	5 000	50
	10 000	100
MAX ➔	15 000	150

** The Micro-motor is set at the maximum authorised speed of 15,000 rpm at a ratio of 1:1*

REPLENISHMENT REFERENCES

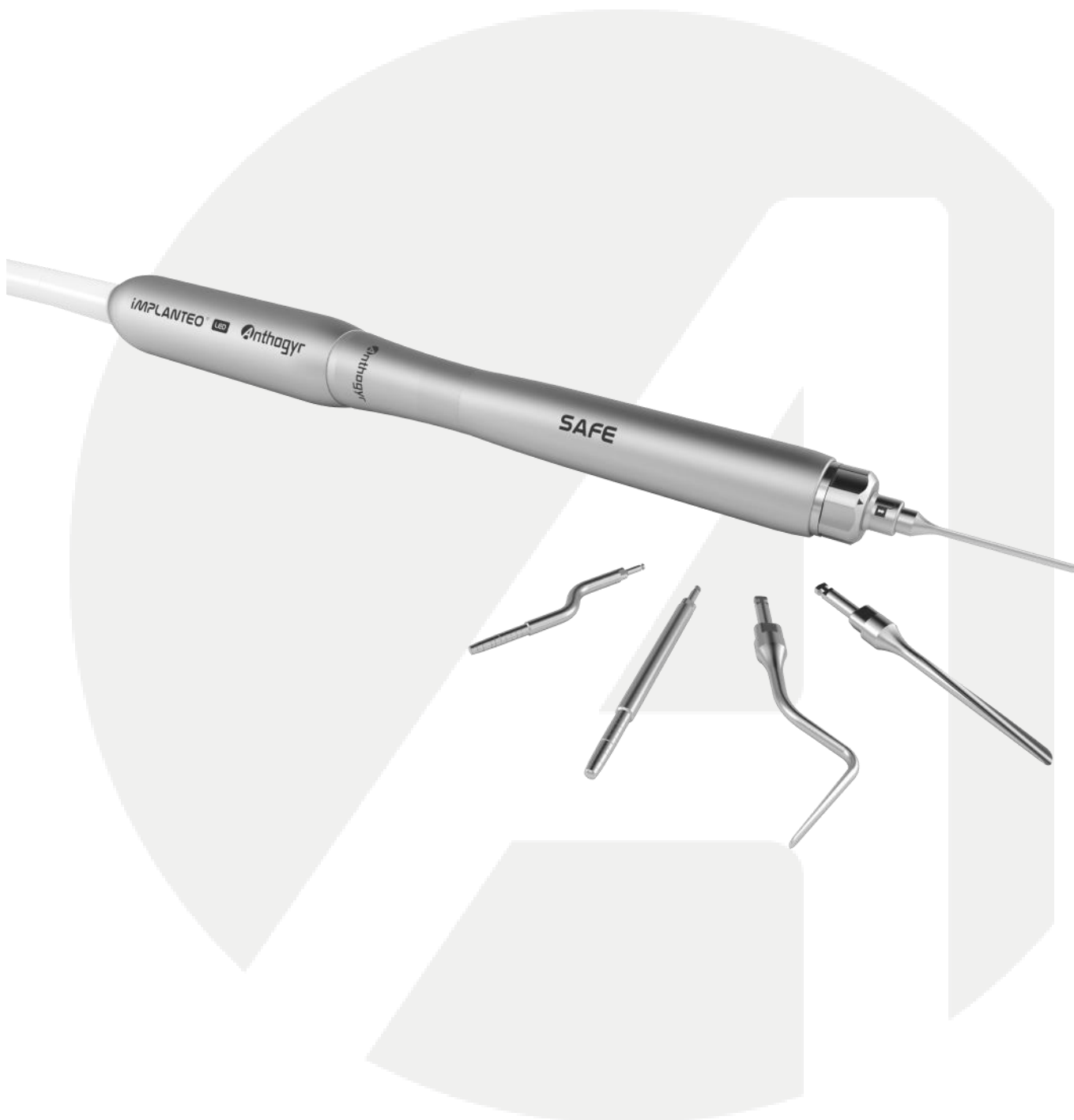
NAME	REF.	NAME	REF.	NAME	REF.
Concave straight osteotome - Ø2.00-Ø2.80	OSTSCC34	Convex straight osteotome - Ø3.00-Ø3.90	OSTSCX46	Convex bayonet osteotome - Ø2.00-Ø2.80	OSTECX34
Concave straight osteotome - Ø2.50-Ø3.30	OSTSCC40	Convex straight osteotome - Ø3.50-Ø4.50	OSTSCX52	Convex bayonet osteotome - Ø2.50-Ø3.30	OSTECX40
Concave straight osteotome - Ø3.00-Ø3.90	OSTSCC46	Concave bayonet osteotome - Ø2.00-Ø2.80	OSTECC34	Convex bayonet osteotome - Ø3.00-Ø3.90	OSTECX46
Concave straight osteotome - Ø3.50-Ø4.50	OSTSCC52	Concave bayonet osteotome - Ø2.50-Ø3.30	OSTECC40	Convex bayonet osteotome - Ø3.50-Ø4.50	OSTECX52
Convex straight osteotome - Ø2.00-Ø2.80	OSTSCX34	Concave bayonet osteotome - Ø3.00-Ø3.90	OSTECC46	Osteotome mandrel extension (*)	INEXMOST
Convex straight osteotome - Ø2.50-Ø3.30	OSTSCX40	Concave bayonet osteotome - Ø3.50-Ø4.50	OSTECC52	Tri-lobe screw-type mandrel (*)	OPMVTOST

() Accessories for Universal Surgical instrument (REF. INUSI)*



Please read additional instructions - Ref. 1636920SAFE_NOT and 063INUSI_NOT

CE 0459



06305TEOTOMIE_NOT-2018-10

Crédits photos : Anthogyr - Tous droits réservés - Photos non contractuelles