

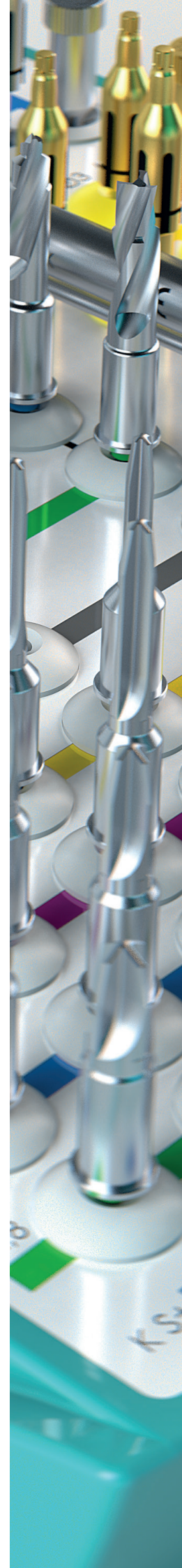
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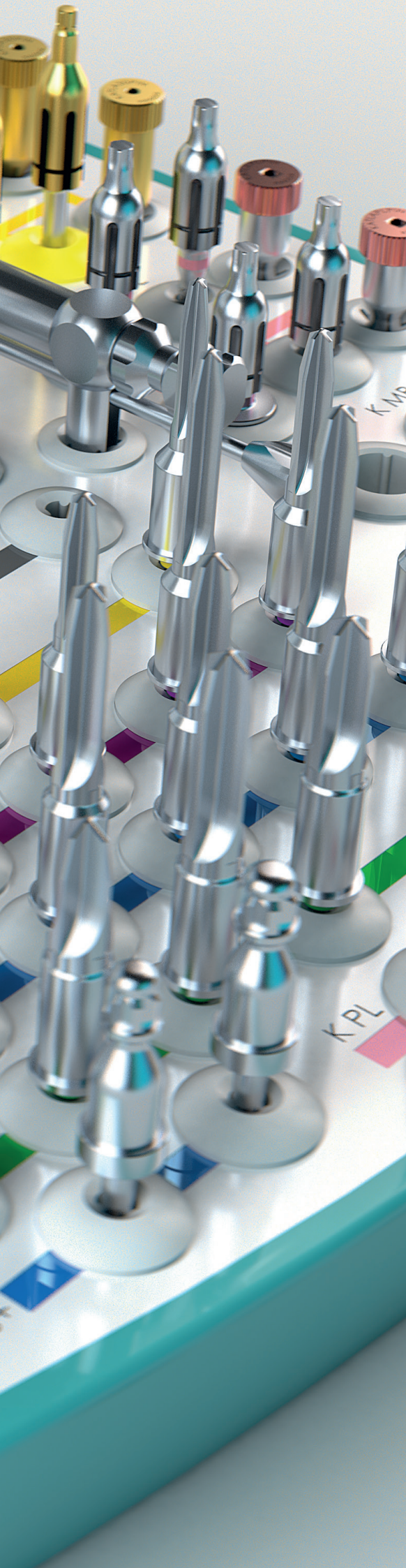


BIOTECH DENTAL

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1

GUIDED SURGERY KIT ATLASURGERY™ 2

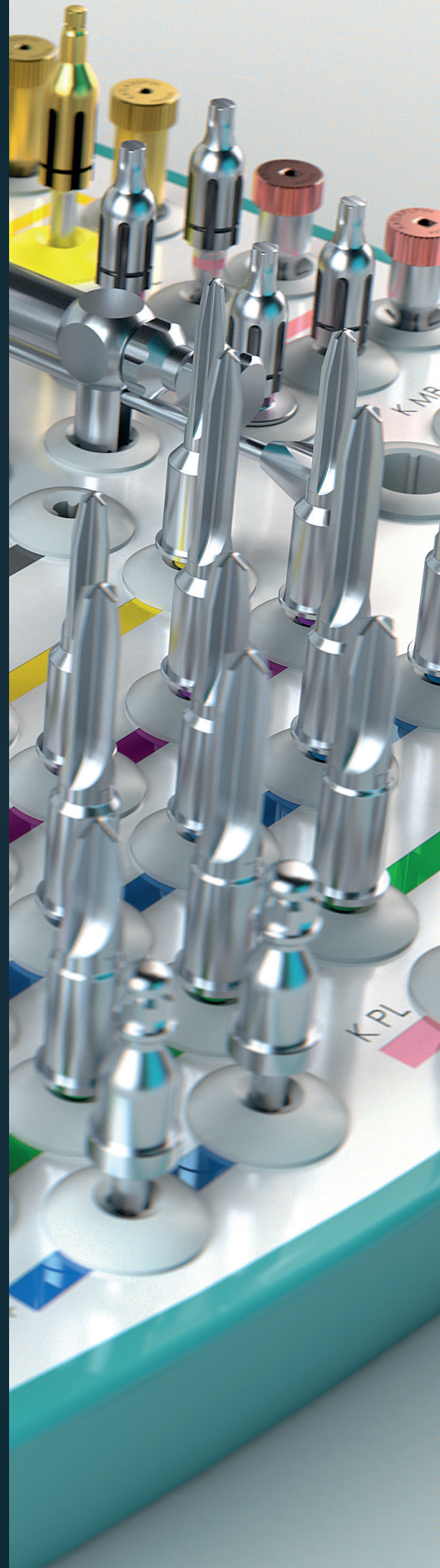
A single kit for all Kontakt™ implant ranges from \varnothing 3 mm up to \varnothing 4.8 mm, lengths from 6 mm to 14 mm (up to 16 mm optional).

Compatible with the main guided surgery software.



2

SPECIFIC FEATURES AND USE OF ATLASURGERY™ 2 INSTRUMENTS



> FOCUS ON THE DOUBLE GUIDE

First guide using the tapered tip of the helical drills:

- 1 All the drills have a tip that is reduced to the diameter of the previous drill, thereby preventing any slippage.

Second axial guide with depth gauge:

- 2
 - Axial guide controlled by the guided cylindrical part in the mastertube.
 - Drilling depth controlled by the stop that is built onto the guided cylindrical part.

> PRECAUTIONS FOR USE (DRILLING SPEED, SEE P.12)

Insertion of the colour coded drill at the previous drilling site without turning it. This will ensure that the initiation of the drilling is correct.

Drilling must be continued until the stop comes into contact with the mastertube so that the drilling is in keeping with the plan.



> OFFSET

The offset represents the length from the top of the mastertube to the implant neck regardless of the bone position.

The classic offset is 12 mm.

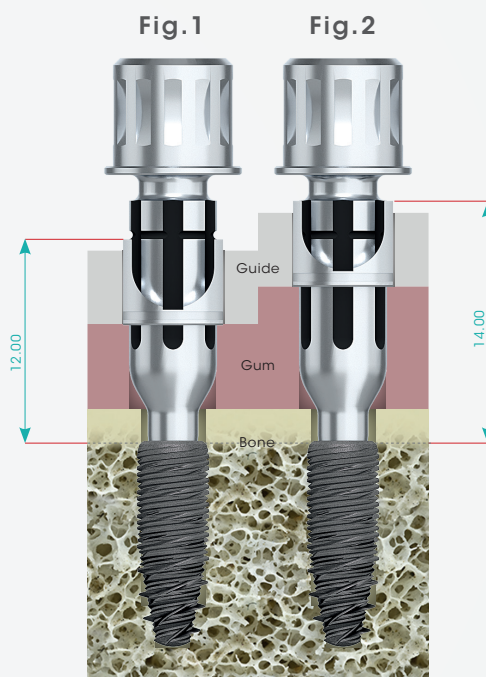
Guided surgery software automatically support a 12 mm offset called "**classic offset**" (Fig.1)

In some cases, it may be necessary to increase the offset from 12 mm to 14 mm.

This will change the protocol:

- The drills to be used will then be those intended to place a 2 mm longer implant (Example: use of 12 mm drills for a 10 mm implant).
- It will be necessary to move down the implant holder up to the end of the guiding part (Fig. 2)

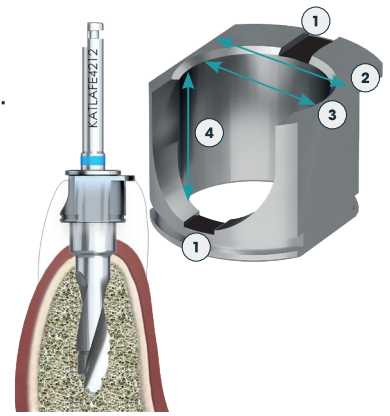
The ability to change the offset represents an advantage of flexibility in planning the surgical guide.



B | MASTERTUBE CHARACTERISTICS

Common for all implantation protocols of implants diameters from 3 mm to 4.8 mm.
Not included in the kit, delivered positioned in the surgical guide

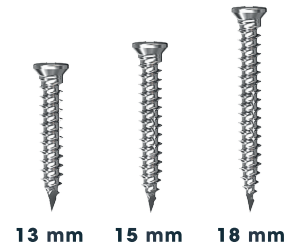
- ① Markers for indexing the implant connection (notches):
Align one of the 6 vertical laser markings on the implant placement mandrels, with one of the two laser markings on the vestibular and palatal/lingual of the mastertube (picture on p.7)
- ② Width between flats: **5.8 mm**
- ③ Internal diameter: **5.1 mm**
- ④ Side opening for lateral insertion to **gain up to 4 mm of insertion height for easy access.**



C | SURGICAL GUIDE FIXATION

The 2 mm diameter screw (ref. PV20xx) is available in 3 lengths for fixing the surgical guide: **13 mm, 15 mm and 18 mm**. The screwdriver chuck (ref. **PA2**), 30mm long, can be used for manual screwdriving with the screwdriver handle (ref. **PMT**) or mounted on the contra-angle.

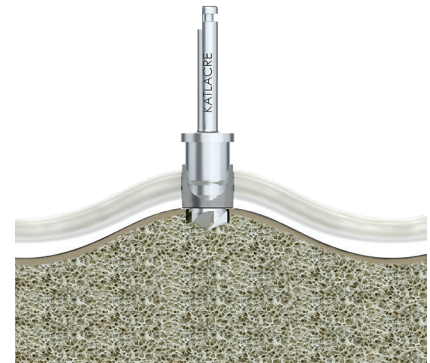
Material to be ordered separately.



D | USE OF THE CRESTOTOME BURR

The crestotome burr Ref. KATLACRE is used to flatten bone ridges. It is to be used after having cut the gum tissue using the circular punch or after removing a skin flap.

Rotation speed 200 rpm.



E | CHOOSING AND USING CORTICAL BURRS OR COUNTERSINK DRILLS

Countersink drills are to be used according to the family of implants placed in order to shape the cortical bone according to the shape of the neck of the implant.

Countersinks drills for **Kontakt™ S+** implants

- Ref. KATLAFC-40 for Ø 4 mm
- Ref. KATLAFC-45 for Ø 4.5 mm

Rotation speed 200 rpm.



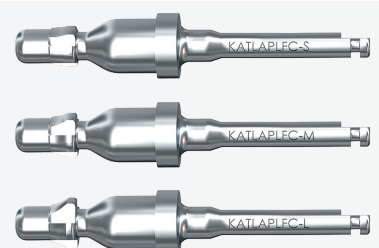
Countersinks drills for **Kontakt™ PL** implants

Respectively for neck sizes S, M and L.

- Ref. KATLAPLFC-S
- Ref. KATLAPLFC-M
- Ref. KATLAPLFC-L

Countersinks are to be used only in cases where part of the pink transgingival cervix needs to be positioned under the bone crest.

Rotation speed 200 rpm.



F | IMPLANT PLACEMENT CHUCKS

Available in two lengths for contra-angle and for surgical torque wrench, implant placement chucks can be used for all ranges and diameters (except Ø 3 mm with specific yellow color-coded connectors) of Kontakt™, Kontakt™ N, Kontakt™ S and Kontakt™ S+ implants.

Rotation speed 15 rpm.

NB: Kontakt™ PL implants have their specific chucks.

Special feature: the chucks do not have an integrated stopper in order to be able to position the implant connection very precisely thanks to the alignment of their marks in relation to the notch of the master tubes (see dotted lines).

Two offsets are possible:

- **Classic 12 mm** (for the vast majority of cases): alignment of the horizontal black line with the top of the Mastertube (Fig. 1)
- **Optional 14 mm** (for extreme cases): alignment of the end of the guiding part with the top of the mastertube. (Fig. 2).

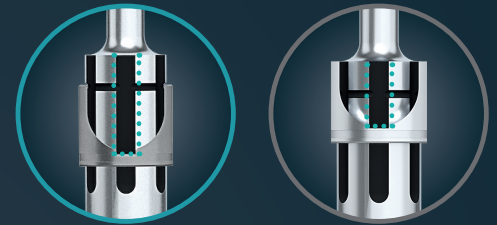
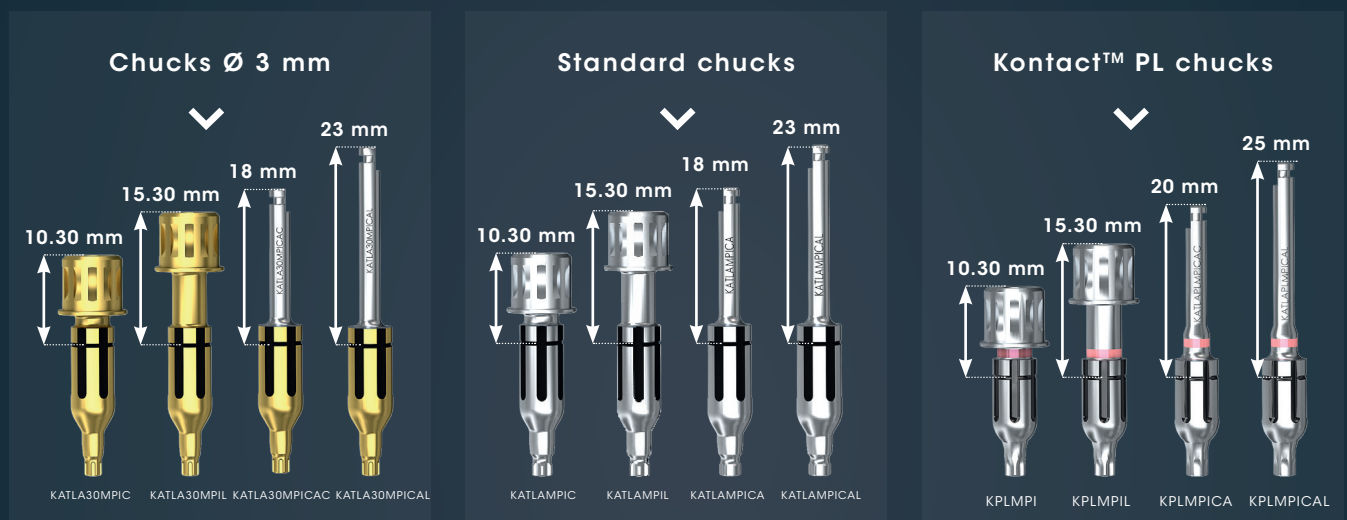


Fig.1

Fig.2

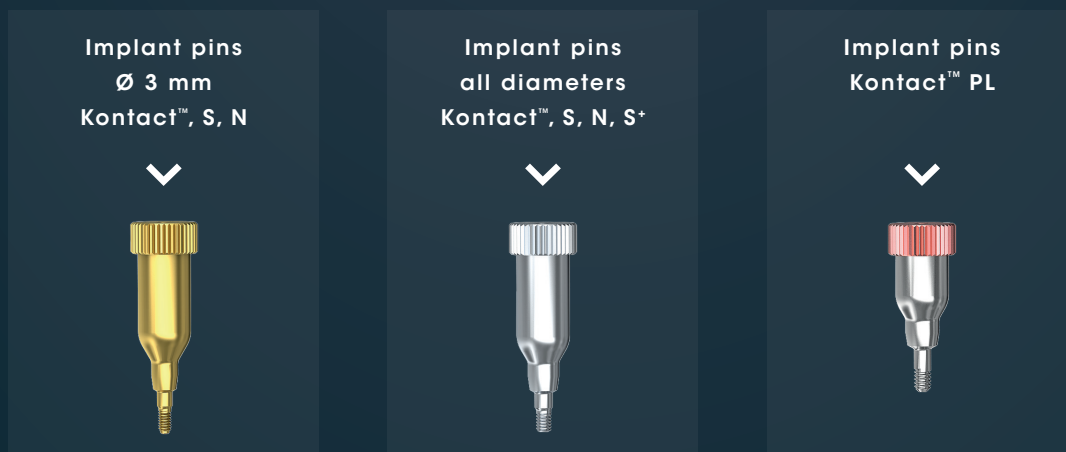


G | IMPLANT RETENTION PINS

They are used to hold the surgical guide in its initial position by locking it by screwing the pins into the implants through the guide.

Available for all Kontakt™, N, S, S+ and Kontakt™ PL implants:

- Two pin locations for Kontakt™, Kontakt™ S, and Kontakt™ N implants of Ø 3 mm.
- Two pin locations for Kontakt™, Kontakt™ N, Kontakt™ S and Kontakt™ S+ implants for all diameters.
- Two pin locations for Kontakt™ PL implants neck S, M or L.



3

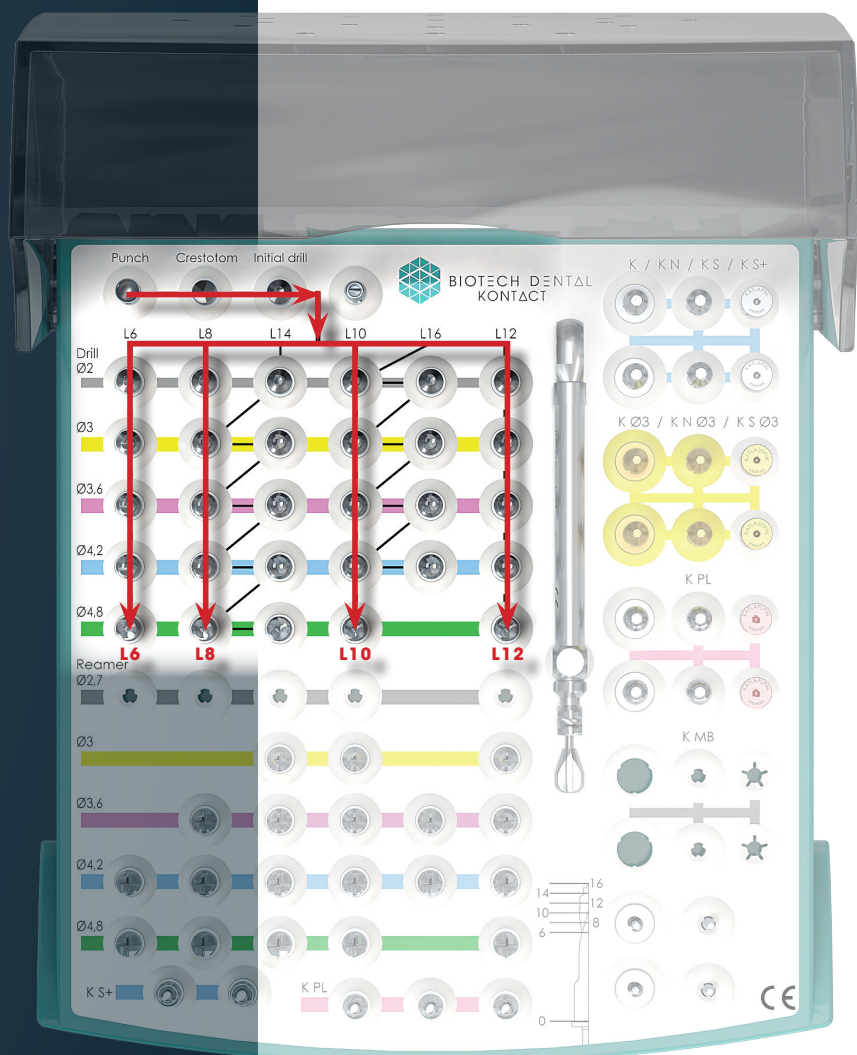
DRILLING PROCEDURES

A

FOR IMPLANTS
(LENGTH FROM
6 MM TO 12 MM)

Some implants can be placed using a hybrid protocol: classic guided drilling then cortical drilling and implant placement after removing the guide. These are Kontakt™ S+ implants of Ø 5.0 and 5.5 mm and Kontakt™ PL implants with XL neck.

The drilling protocol as well as the placement of the implant are done through the guide for maximum precision.



KATLAK

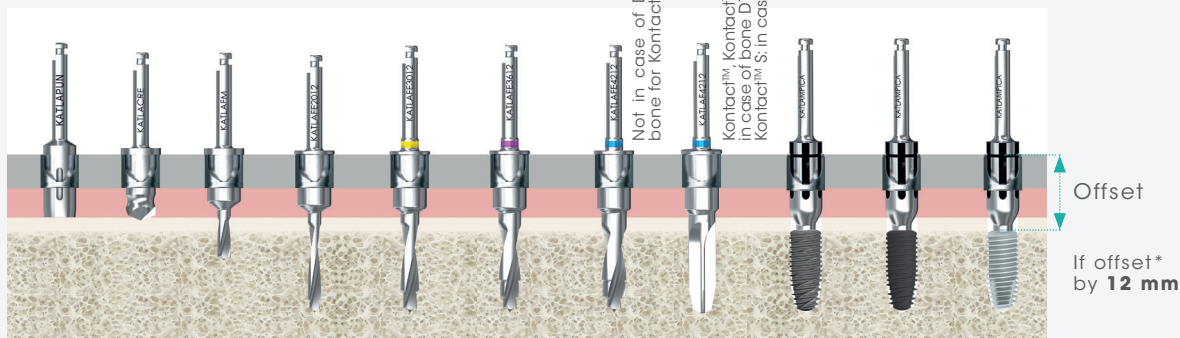
12 MM-LONG IMPLANT PLACEMENT PROCEDURE

Kontakt™

Kontakt™ S

Kontakt™ N

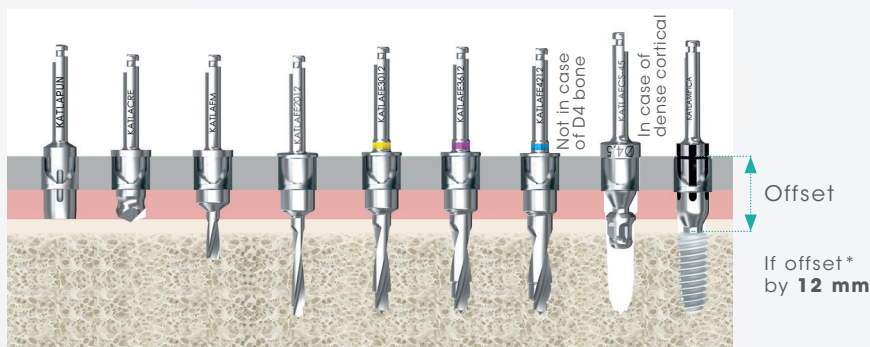
Example: K4212 or K4212N or K4212S



IMPLANT PLACEMENT PROCEDURE FOR THE **KONTAKT™ S+** (LENGTH 12 MM)

Kontakt™ S+

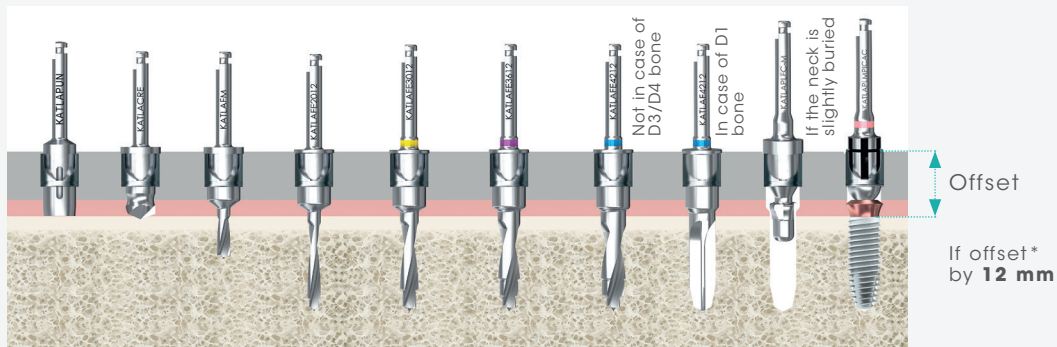
Example: K4512S-42 (Ø 4.2 mm body - Ø 4.5 mm - Lg. 12 mm)



IMPLANT PLACEMENT PROCEDURE FOR **KONTAKT™ PL** (LENGTH 12 MM)

Kontakt™ PL

Example: K42L12PL



* Offset:
Distance between the top of the guide (mastertube) and the top of the implant.

3

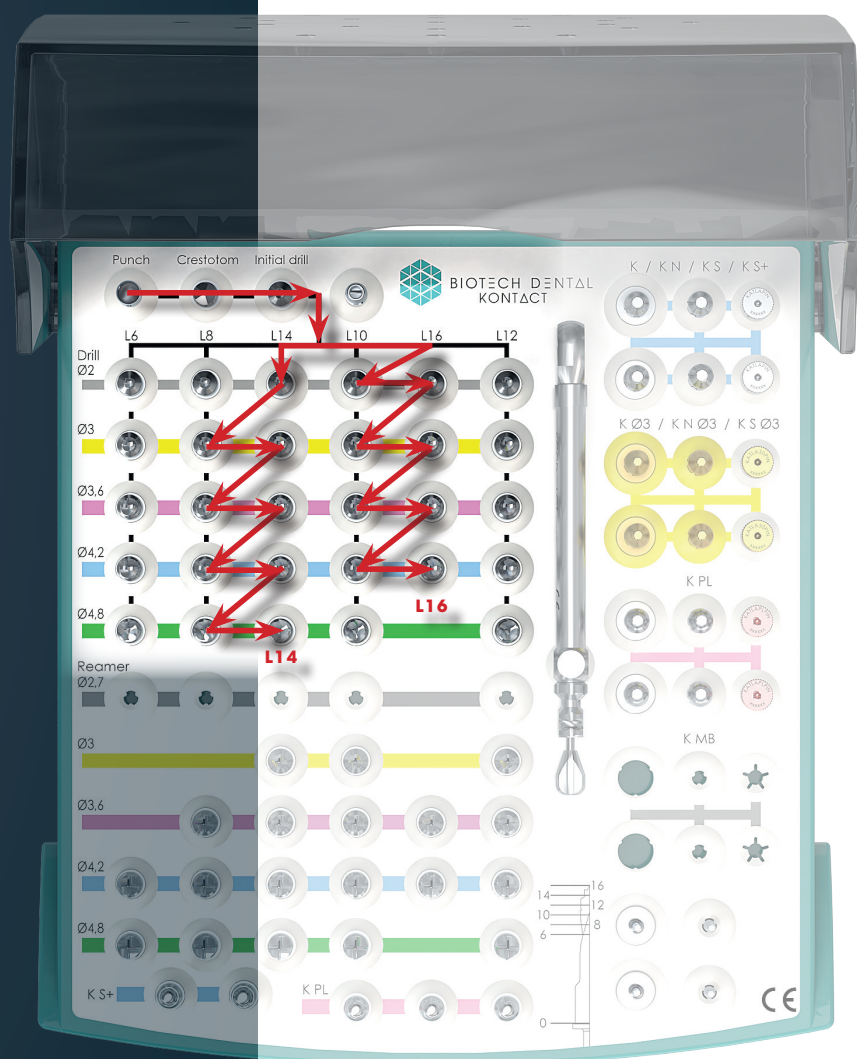
DRILLING PROCEDURES

B

FOR IMPLANTS
(LENGTH **14 MM**
TO 16 MM)

Some implants can be placed using a hybrid protocol: classic guided drilling then cortical drilling and implant placement after removing the guide. These are Kontakt™ S+ implants of Ø 5.0 and 5.5 mm and Kontakt™ PL implants with XL neck.

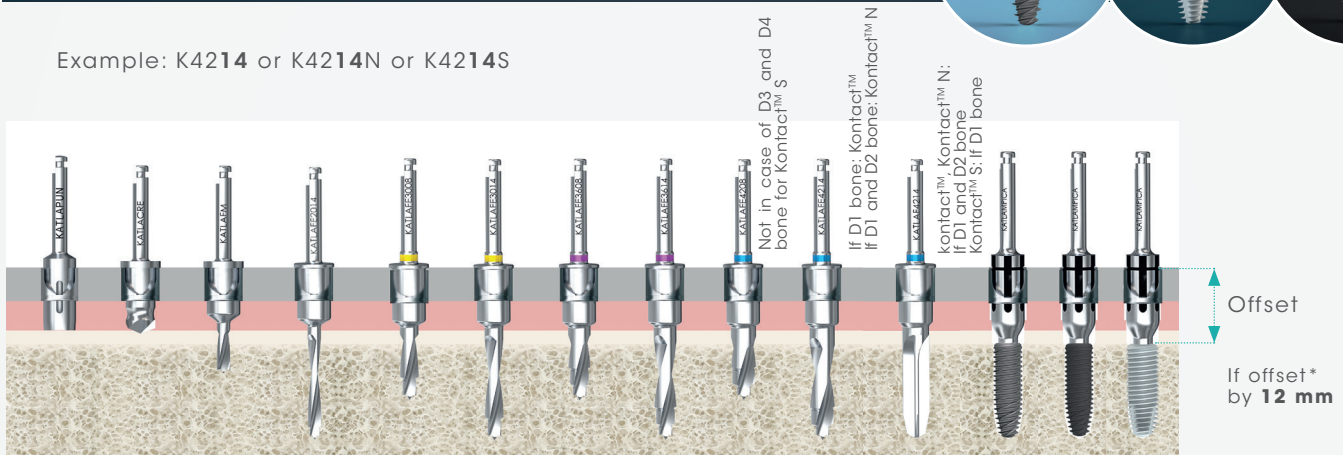
The drilling protocol as well as the placement of the implant are done through the guide for maximum precision.



KATLAK

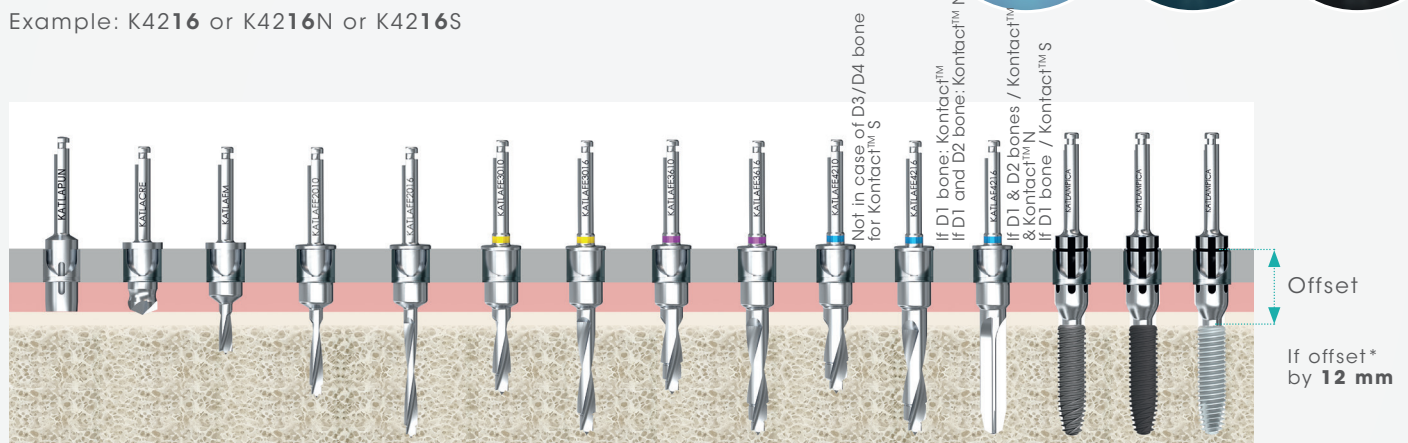
14 MM-LONG IMPLANT PLACEMENT PROCEDURE

Example: K4214 or K4214N or K4214S



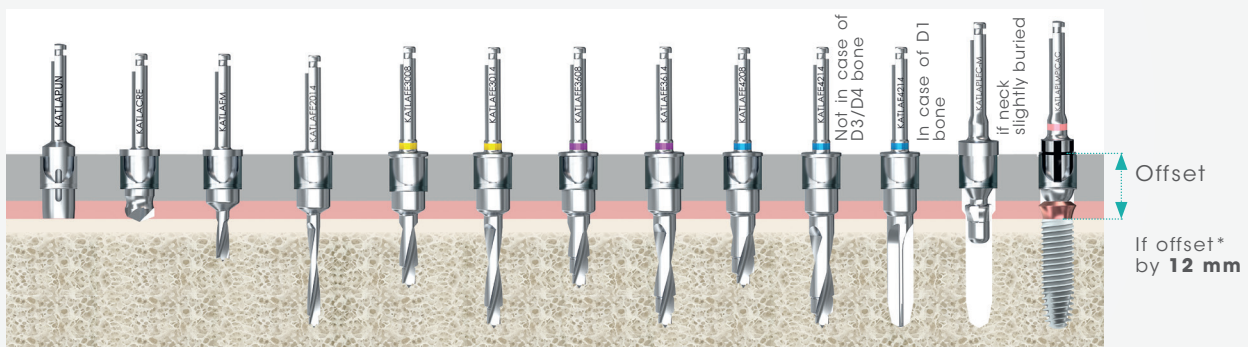
16 MM-LONG IMPLANT PLACEMENT PROCEDURE

Example: K4216 or K4216N or K4216S



IMPLANT PLACEMENT PROCEDURE FOR **KONTACT™ PL** (LENGTH 14 MM)

Example: K42L14PL



* Offset:
Distance between the top of the guide (mastertube) and the top of the implant.

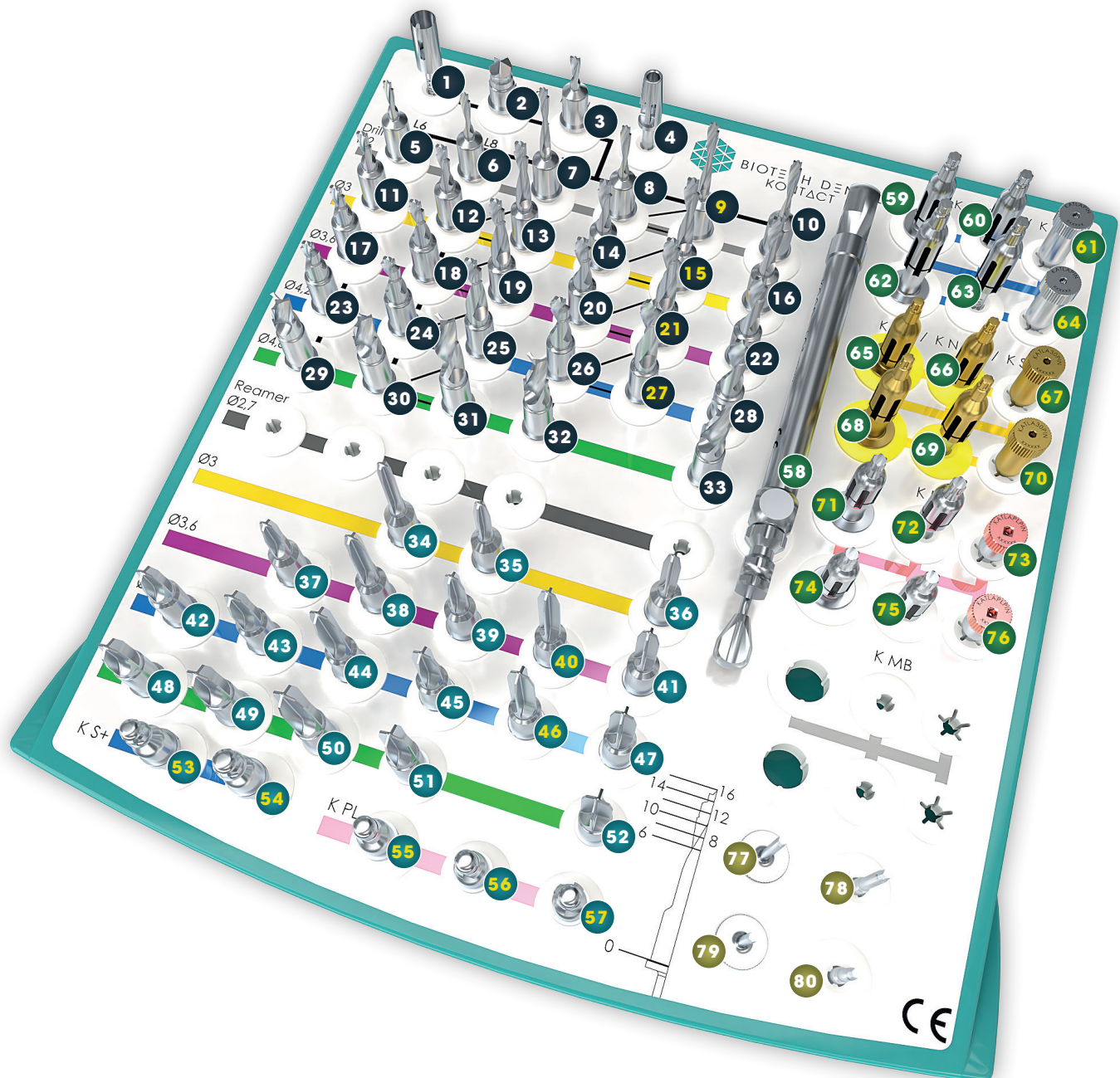
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ROTATION SPEEDS AND KIT COMPOSITION

A. SPEED ROTATION TO BE RESPECTED

Punch	1 600 - 2 000 rpm
Crestotome burr	200 rpm
Marking drill	1 500 rpm
Drills: yellow - magenta - blue	1 000 - 1 200 rpm
Drills: green	700 - 900 rpm
Reamers (for dense bone)	200 rpm
Kontakt™ S+ - Kontakt™ PL countersink drills	200 rpm
Implant chucks	15 rpm

B. KIT COMPOSITION



1 2 3 DRILLING PREPARATION

4 DRILL EXTENSION

5 → **33** HELICAL DRILLS

34 → **52** REAMERS FOR DENSE BONE

53 → **57** COUNTERSINKS DRILLS

59 → **76** IMPLANT PLACEMENT CONNECTORS AND IMPLANT HOLDING PINS

77 → **80** CHUCKS AND SCREWDRIVERS

X OPTIONAL INSTRUMENTS

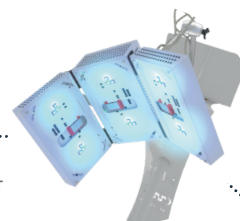
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BIOMATERIALS

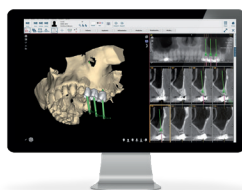
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BIOTECH DENTAL



305, Allées de Craponne
13300 Salon-de-Provence - France

Tel.: +33 (0)4 90 44 60 60

Fax: +33 (0)4 90 44 60 61

info@biotech-dental.com

www.biotech-dental.com

AtlaSurgery™: Biotech Dental assembler. This system is an assembly of medical devices - Implants: Manufacturer: Biotech Dental.

Class I, IIa and IIb medical devices (MD). CE0459 – ATP38®: manufacturer Swiss Bio Inov. DM class IIa. CE0459 – WOW™: manufacturer Scan4all SAS. DM class I. CE – NemoScan: manufacturer Software Nemotec, S.L. DM Class Im. CE2797 – Made-to-measure and removable dentures: manufacturer Biotech Dental Digital. Made-to-measure DM.

All of these medical devices must be used by qualified and trained healthcare professionals. All of the trademarks are the responsibility of their respective manufacturers.

Refer to the assembly instructions or the instructions for use of the medical devices for information. Not reimbursed by the social security system.

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