

SURGICAL KIT

ONE SURGICAL KIT FOR ALL THE IMPLANT SYSTEMS

The purpose of surgical trays is to store the instruments used to insert dental implants. The kit can be carried, sterilized and kept in a horizontal position with the lid closed. All the instruments must be cleaned and sterilized before the first use.

The surgical kit and instruments are not sterile at the time of delivery.
The standard kits contain connectors for internal hexagon: connectors for other connections are available upon request

CSK SURGICAL KIT

code

CSK

code	description
DE	drill extender
LD	lance drill
D20M	pilot drill \varnothing 2.0
D2024M	drill \varnothing 2.0 2.4 mm
CSD33	countersink \varnothing 3.3
D2428M	drill \varnothing 2.4 2.8 mm
CSD37	countersink \varnothing 3.7
D2833M	drill \varnothing 2.8 3.3 mm
CSD41	countersink \varnothing 4.1
D3338M	drill \varnothing 3.3 3.8 mm
CSD47	countersink \varnothing 4.7
D3844M	drill \varnothing 3.8 4.4 mm
CSD52	countersink \varnothing 5.2
D4448M	drill \varnothing 4.4 4.8 mm
DS43341M	stop 4.5
DS63341M	stop 6.5
DS83341M	stop 8
DS103341M	stop 10
DS113341M	stop 11.5
DS133341M	stop 13
TWA4	complete ratchet
THDDS	short contra-angle screwdriver for hexagon 1.25 mm
THDDL	long contra-angle screwdriver for hexagon 1.25 mm
HDH21S	connectors short for internal hex 2.1
HDH21L	connectors long for internal hex 2.1
HDH25S	connectors short for internal hex 2.5
HDH25L	connectors long for internal hex 2.5
PP	parallel pin 0°



SMALL SURGICAL KIT



COMPLETE

code
Ergo Kit Complete

code	description
LD	lance drill
D20M	pilot drill \varnothing 2.0
D2024M	drill \varnothing 2.0 2.4 mm
CSD33	countersink \varnothing 3.3
D2428M	drill \varnothing 2.4 2.8 mm
CSD37	countersink \varnothing 3.7
D2833M	drill \varnothing 2.8 3.3 mm
CSD41	countersink \varnothing 4.1
D3338M	drill \varnothing 3.3 3.8 mm
CSD47	countersink \varnothing 4.7
D3844M	drill \varnothing 3.8 4.4 mm
CSD52	countersink \varnothing 5.2
D4448M	drill \varnothing 4.4 4.8 mm
THDDL	connectors long for internal hex 2.1
HDH21L	connectors long for internal hex 2.5
HDH25L	complete ratchet
DE	drill extender
TAPXXX33*	tap \varnothing 3.3
TAPXXX37*	tap \varnothing 3.7
TAPXXX41*	tap \varnothing 4.1
TAPXXX47*	tap \varnothing 4.7
TAPXXX52*	tap \varnothing 5.2
PP	parallel pin 0°
THDDS	short contra-angle screwdriver for hexagon 1.25 mm
HDH21S	long contra-angle screwdriver for hexagon 1.25 mm
HDH25S	connectors short for internal hex 2.1
MDS	connectors short for internal hex 2.5
MDL	short manual screwdriver for hexagon 1.25 mm
MDLAA	long manual screwdriver for hexagon 1.25 mm
TWA4	manual screwdriver for angled torx
DS43341M	stop 4.5
DS63341M	stop 6.5
DS83341M	stop 8
DS103341M	stop 10
DS113341M	stop 11.5
DS133341M	stop 13

*choice of Shapeone or iMAX

BASIC

code
Ergo Kit Basic

code	description
LD	lance drill
D20M	pilot drill \varnothing 2.0
D2024M	drill \varnothing 2.0 2.4 mm
CSD33	countersink \varnothing 3.3
D2428M	drill \varnothing 2.4 2.8 mm
CSD37	countersink \varnothing 3.7
D2833M	drill \varnothing 2.8 3.3 mm
CSD41	countersink \varnothing 4.1
D3338M	drill \varnothing 3.3 3.8 mm
CSD47	countersink \varnothing 4.7
D3844M	drill \varnothing 3.8 4.4 mm
CSD52	countersink \varnothing 5.2
D4448M	drill \varnothing 4.4 4.8 mm
THDDL	long contra-angle screwdriver for hexagon 1.25 mm
HDH21L	connectors long for internal hex 2.1
HDH25L	connectors long for internal hex 2.5
TWA4	complete ratchet

PROCEDURE FOR KIT MANAGEMENT

CLEANING

1. Dismantle all the compound parts.
2. Rinse abundantly with cold or lukewarm water for 2-5 minutes.
3. Leave the instruments for 10 minutes in an ultrasonic cleaner with a neutral pH enzymatic detergent diluted in water according to the product instructions.
4. Wash the instruments with water for 3 minutes.

STERILIZATION

The guidelines for sterilization are listed below. Exceeding these sterilization limits may cause deterioration of the plastic components.

Type of cycle (value)	Temperature (°C - F)	Exposure	Drying time
Pre-vacuum	132 / 270	3 minutes	30 minutes
Pre-vacuum	134 / 273	18 minutes	30 minutes
Gravity	121 / 250	80 minutes	30 minutes

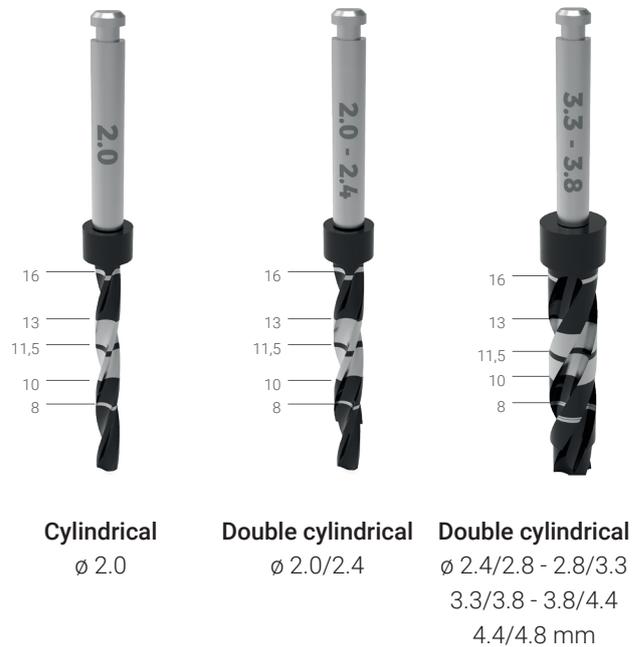


DRILLS

For a proper osteotomy and to maintain the integrity of bone quality, the maximum recommended speed is 800rpm with direct input on drill of saline solution to facilitate cooling. All drills are made of medical stainless steel and subjected to hardening heat treatment.

Maximum recommended number of use of the devices 30 times. The helical milling cutters have reference laser markings that identify the depth to reach, until 8 mm with a thin white line, from 10 to 13 mm with a white band in which at half is identified the 11.5 mm height, and finally a thin white line for the 16 mm. This system gives a clear and intuitive glance of the depth level reached by the drill. 4.5 and 6.5mm are not present to avoid confusion in reading the demarcation lines, and being these measures close to the nerve, it is always recommended to use stop by 4.5 and 6.5 mm. The drills from **2.0 to 2.8/3.3** have a **sharp apex**, The drills from **33/38 - 38/44 - 44/48** have a **flat apex**, they do not increase the height of the cut, but are only used to widen the osteotomy.

They must not be used for cutting, but as an aid for inserting the implant.



DRILL EXTENDER

Material: Surgical steel



code

DE

LANCE DRILL Ø 2

Material: Surgical steel



code

LD

DRILLS H. 36

Material: Surgical steel



Ø 2

code

D20M

Ø 2.0|2.4

code

D2024M

Ø 2.4|2.8

code

D2428M

Ø 2.8|3.3

code

D2833M

Ø 3.3|3.8

code

D3338M

Ø 3.8|4.4

code

D3844M

Ø 4.4|4.8

code

D4448M

STOPS FOR DRILLS 2.0 - 2.0/2.4 - 2.4/2.8 - 2.8/3.3

Material: Ti-6Al-4V

					
h. 4.5	h. 6.5	h. 8	h. 10	h. 11.5	h. 13
code	code	code	code	code	code
DS43341M	DS63341M	DS83341M	DS103341M	DS113341M	DS133341M

The length of the stops ranges from **4.5 mm to 13 mm**.
The 33/38 - 38/44 - 44/48 cutters do not have stops as they are characterized by a flat tip.

COUNTERSINK

The countersinks are used when there is **the need to enlarge the initial part of the hole** created to adapt this shape to the neck of the implant to be inserted. **The maximum recommended speed is 300 rpm** with direct input on drill of saline solution to facilitate cooling. The countersink should be used in perfect axis with the osteotomy to avoid its ovalization in the coronal part. The countersinks present **two laser markings** that identify the depth to be reached on the basis of the bone consistency, at **1.4 mm for a "D3" bone, at 2.8 mm for both "D2" and "D1" bones**. Above the marking at 2.8 mm, the countersink continues with a cylindrical geometry that does not compromise the osteotomy although more deeply inserted.

Ø 3.3 - 3.7 - 4.1 - 4.7 - 5.2



for short implant



without insertion head for all sizes

COUNTERSINK

Material: Surgical steel

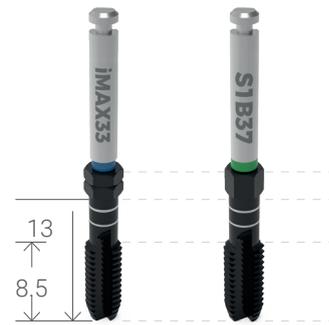
				
Ø 3.3	Ø 3.7	Ø 4.1	Ø 4.7	Ø 5.2
code	code	code	code	code
CSD33	CSD37	CSD41	CSD47	CSD52

				
Ø 3.3	Ø 3.7	Ø 4.1	Ø 4.7	Ø 5.2
code	code	code	code	code
CSDS33	CSDS37	CSDS41	CSDS47	CSDS52

TAPS

In very dense bone (Type I) it is recommended to use a tap with the same system profile to insert. The tap is sharper than the implant and it allows to prepare the implantation site with reduced trauma.

The maximum recommended speed is 30 rpm with direct input on tap of saline solution to facilitate cooling.



SHAPEONE TAPS

Material: Surgical steel



∅ 3.7

∅ 4.1

∅ 4.7

code

code

code

TAPS1B37

TAPS1B41

TAPS1B47

IMAX TAPS

Material: Surgical steel



∅ 3.3

∅ 3.7

∅ 4.1

∅ 4.7

∅ 5.2

code

code

code

code

code

TAPIMAX33

TAPIMAX37

TAPIMAX41

TAPIMAX47

TAPIMAX52

MUCOTOMES

Material: Surgical steel



∅ 3.3

∅ 4

code

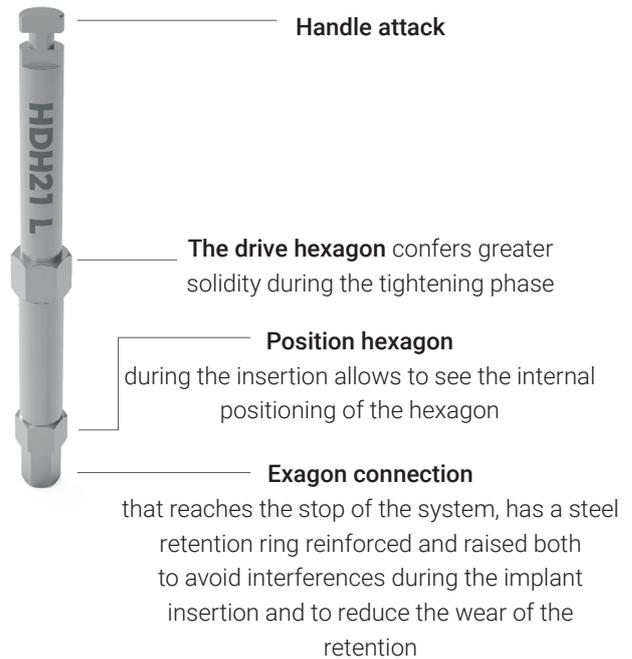
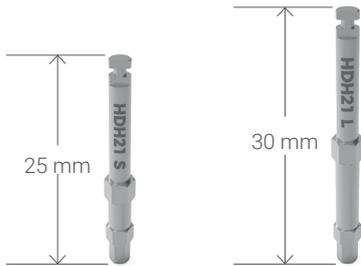
code

HDHCSN

HDHCSR

CONNECTORS

In the kit all the connectors have a handpiece attack that may be used both in manual mode and with the ratchet, thanks to the special washer (WH2). The insertion torque for the **immediate loading** will be in the range **from 35 to 50Ncm**. For the **conventional** load the **insertion torque should never exceed 50Ncm**.



Material: Surgical steel

\varnothing	h.	code
2.1	25	HDH21S
2.1	30	HDH21L

Internal hex narrow



\varnothing	h.	code
2.5	25	HDH25S
2.5	30	HDH25L

For internal hex regular



\varnothing	h.	code
2.4	25	HDH24S
2.4	30	HDH24L

External hex narrow



\varnothing	h.	code
2.7	25	HDH27S
2.7	30	HDH27L

For external hex regular



\varnothing	h.	code
3,1	25	HDH31S
3,1	30	HDH31L

For octagon



code
HDH20

For straight MUA



code
HDH25M

For Shape Mini



code
NHSMHDH

For iMAX MUA



ACCESSORIES

PARALLELISM PIN

Material: Ti-6Al-4V



code
0°
PP

ORIENTER POSITION

Material: POM-C e Ti

code
NHSMFL



For iMAX Mua

GUIDE TO DRILL INCLINATION

Material: Surgical steel

code
NHSMG



A 0° - 18° - 30°

DRIVERS AND SCREWDRIVERS

PROSTHETIC SCREWDRIVERS

Material: Surgical steel

code
short THDDS
long THDDL

For hex 1.25 mm contra-angle connection



code
extra short MDXS
short MDS
long MDL
extra long MDXL

Manual screwdriver for hexagon 1.25 mm



code
MDLAA

Torx 1.25 mm manual angled



code
THDDAL

Angled torx contra-angle screwdriver



SCREWDRIVERS

Material: Surgical steel

code

IDL



code

8393

For iRetor



REMOVAL TOOLS

Material: Surgical steel

code

TRI

For implant



code

TRT

For abutment



code

MTRT

Manual abutment extractor



EXTRACTION KIT FOR RETAINING SCREWS

code

D15RS

Drill

Material: Surgical steel



code

GRS

Guide for drill

Material: Ti-6Al-4V



code

SGRS

Holder for GRS

Material: Ti-6Al-4V



RATCHET

Material: Surgical steel

Reverse fixed ratchet: It allows to screw and unscrew without having to pull out and turn the adapter

Ratchet wrench: mounted on the reverse ratchet, it allows to measure up to 70Ncm without breaking the rod through the stop final race



Housing for 8mm washer to confer greater resistance to higher torque.



Under the 70Ncm is present a safety catch to prevent the leakage of the dragging arm, avoiding its breakage.



Reverse to change direction of unscrewing and screwing without having to remove and replace the ratchet.



Ratchet adaptor
 ø 8 mm reinforced that adding solidity

code
WH2

Material: Surgical steel

code
TW4



Without adapter

code
TWA4



Complete