J DENTAL CARE

just smile

JD SURGICAL KIT

Made in Italy

Drills:

In the first line of the JD Surgical Kit are located the twist drills and the drill extension, used for the implant site preparation. On the body of the twist drills there are depth marks and in particular a larger mark from 10 mm to 11.5 mm. To ensure optimal primary stability of the implant it is recommended to adhere to the indications of the drilling sequence as indicated on the brochures of each implant line, available at: www.jdentalcare.com.

The twist drills inserted in the Surgical kits are also characterized by a DLC coating, which has the following advantages:

- When the surgical drills are running at high speed,the DLC coating makes the depth marks on drills clearly visible for easier practical use.
- The DLC coating has excellent wear and corrosion resistance.
- The DLC coating reduces friction, resulting in minimal heating of the bone during implant osteotomy.

The steps for a correct osteotomy:

1. Choose the correct implant length

2. Analyze the bone type: if it is soft, medium or dense

3. Follow the indication of the drilling sequence, according to the bone type and implant choosen

4. Check the length of the twist drills on the bottom right-hand corner of the surgical kit

Note: To place the JD Implant Ø6.0, it is necessary to buy separately the appropriate surgical drill Ø4.8 not present in the standard Kit version

Implant drivers:

On the left of the JD Surgical Kit two implant drivers, one short and one long, are included. We will provide you with the driver compatible driver according to the chosen implant line.

Important: To simplify the final prosthetic rehabilitation, at the time of the final placement of the implant, when the desired depth has been reached, it is necessary to align the side of the hexagon and not the vertex in the implant driver with the vestibular side. In this way, the hexagonal shape of the internal connection makes it possible to position and orient the prosthetic abutment in an optimal manner.

Prosthetic Screwdrivers:

The JD Surgical Kit includes also two screwdrivers for the prosthetic screws, the cover screws, impression copings screws. These screwdrivers are designed to be used both manually and with JDTorque torque wrench. We will provide you with the prosthetic screwdriver according to the chosen implant line.

Surgical Adaptor:

The surgical adaptor is used with the appropriate implant driver for a manually implant insertion. When it is not possible go ahead manually with implant insertion, insert the adapter into the JDTorque device to screw the implant into its final position.

JDTorque:

JDTorque is the manual torque wrench manufactured by JDentalCare. It enables you to manually insert, tighten and/ or loosen JDentalCare implants, abutments and prosthetic screws, achieving a specific value of torque. Tightening torques range from 10 to 80 Ncm.

Direction indicators:

The kit includes two direction indicators, one short 10mm length and one long 15mm length. These tools shall be used after the drill Ø 2.0mm. These instruments have also marks to measure the depth of the implant site.

Drill stop:

This devices are used with the drill to limit the drilling depth to a predefined value, during the preparation of the implant site.

COMPACT AND EASY TO USE

The JD Surgical Kit is a compact and easy-to-use kit, that can be washed and sterilised, as it is tested to withstand autoclave cycles.

The kit is available in two versions: with and without drill stops; choose the kit that best suits your surgery.

JD Surgical Kit
Plastic Kit Standard
Code: **JDPS**

Drills:

JDPD	Precision Drill
JDDR20	Twist Drill Ø 2.0
JDDR24	Twist Drill Ø 2.4
JDDR28	Twist Drill Ø 2.8
JDDR32	Twist Drill Ø 3.2
JDDR36	Twist Drill Ø 3.6
JDDR40	Twist Drill Ø 4.0
JDDR44	Twist Drill Ø 4.4
JDDR48*	Twist Drill Ø 4.8
JDDREXT	Drill Extension New

*To be ordered separately

Implant and prosthetic drivers:

JDTW	Torque Wrench JDTorque
JDTWA	Surgical Adapter for JDTorque

Note: All prosthetic drivers will be provided compatible with the choosen implant line.

Direction indicators:

JDDI	Direction Indicator
JDDIS	Direction Indicator Short

This kit has the same products as JD Surgical base kit, except for the drills that are replaced with the one with stops, and Drill Stops are added

JD Surgical Kit w/ Drill Stops
Plastic Kit w/ Drill Stops
Code: **JDPCN**

Drills:

JDDR20C	Twist Drill with Stop Ø 2.0
JDDR24C	Twist Drill with Stop Ø 2.4
JDDR28C	Twist Drill with Stop Ø 2.8
JDDR32C	Twist Drill with Stop Ø 3.2
JDDR36C	Twist Drill with Stop Ø 3.6
JDDR40C	Twist Drill with Stop Ø 4.0
JDDR44C	Twist Drill with Stop Ø 4.4
JDDR48C*	Twist Drill with Stop Ø 4.8

*To be ordered separately

Drill stops:

JDDRST60N	Drill Stop New L 6
JDDRST80N	Drill Stop New L 8
JDDRST100N	Drill Stop New L 10
JDDRST115N	Drill Stop New L 11.5
JDDRST130N	Drill Stop New L 13
JDDRST150N	Drill Stop New L 15

DRILLING PROTOCOLS

JDEvolution, JDEvolution Plus

IMPLANT DIAMETER	HEALED BONE – SOFT BONE	HEALED BONE – MEDIUM-DENSE BONE	POST EXTRACTIVE BONE – SOFT BONE	POST EXTRACTIVE BONE – MEDIUM-DENSE BONE
Site preparation in maxilla				
Ø 3,7	2,0 2,4 2,8 up to the 1st laser mark L6mm	2,0 2,4 2,8 3,2 up to the 1st laser mark L6mm	2,0 2,4 2,8 at the entrance	2,0 2,4 2,8 at the entrance
Ø 4,0	2,0 2,4 2,8	2,0 2,4 2,8 3,.2 up to the 2nd laser mark L 8mm	2,0 2,4 2,8 up to the 2nd laser mark L 8mm	2,0 2,4 2,8
Ø 4,3	2,0 2,4 2,8 3,2 at the entrance	2,0 2,4 2,8 3,2 up to the 1st laser mark L6-8mm 3,6 at the entrance	2,0 2,4 2,8 3,2 at the entrance	2,0 2,4 2,8 3,2 at the entrance
Ø 5,0	2,0 2,4 2,8 3,2 3,6 up to the 1st laser mark L 6mm	2,0 2,4 2,8 3,2 3,6 up to the 1st laser mark L 6mm 4,0 at the entrance	2,0 2,4 2,8 3,2 3,6 at the entrance up to the 1st laser mark L 6mm	2,0 2,4 2,8 3,2 3,6 at the entrance up to the 1st laser mark L 6mm
Ø 6,0	2,0 2,4 2,8 3,2 3,6	2,0 2,4 2,8 3,2 3,6 4,0 4,4 up to the 1st laser mark L 6mm	2,0 2,4 2,8 3,2 3,6 4,0	2,0 2,4 2,8 3,2 3,6 4,0
Site preparation in mandible				
Ø 3,7	2,0 2,4 2,8 3,2 up to the 2nd laser mark L 8mm 3,6 up to the 1st laser mark L 6mm	2,0 2,4 2,8 3,2 3,6 up to the 1st laser mark L 6mm	2,0 2,4 2,8 3,2 at the entrance	2,0 2,4 2,8 3,2 at the entrance
Ø 4,0	2,0 2,4 2,8 3,2 up to the 2nd laser mark L 8mm 3,6 up to the 2nd laser mark L 8mm	2,0 2,4 2,8 3,2 3,6 4,0 up to the 1st laser mark L 6mm	2,0 2,4 2,8 3,2 up to the 2nd laser mark L 8mm 3,6 up to the 1st laser mark L 8mm	2,0 2,4 2,8 3,2 3,6 up to the 1st laser mark L 8mm
Ø 4,3	2,0 2,4 2,8 3,2 3,6 up to the 2nd laser mark L 8mm 4,0 up to the 2nd laser mark L 8mm	2,0 2,4 2,8 3,2 3,6 4,0 up to the 2nd laser mark L8mm 4,4 up to the 1st laser mark L 6mm	2,0 2,4 2,8 3,2 3,6 at the entrance	2,0 2,4 2,8 3,2 3,6 at the entrance
Ø 5,0	2,0 2,4 2,8 3,2 3,6 4,0 4,4 up to the 2nd laser mark L 8mm 4,8 at the entrance	2,0 2,4 2,8 3,2 3,6 4,0 4,4 4,8 at the entrance	2,0 2,4 2,8 3,2 3,6 4,0 at the entrance	2,0 2,4 2,8 3,2 3,6 4,0 at the entrance
Ø 6,0	2,0 2,4 2,8 3,2 3,6 4,0 4,4 up to the 2nd laser mark L 8mm 4,8 up to the 2nd laser mark L 8mm	2,0 2,4 2,8 3,2 3,6 4,0 4,4 4,8 up to the 2nd laser mark L 8mm	2,0 2,4 2,8 3,2 3,6 4,0 4,4	2,0 2,4 2,8 3,2 3,6 4,0 4,4

Short Implant L 6mm JDEvolution Plus insertion in maxilla

short Ø 4,0 L 6	- Start the osteotomy with standard twist drill Ø 2.0mm and Ø 2.4mm - Complete with the Ø 4mm L 6mm drill code JDDICS4
short Ø 4,3 L 6	- Start the osteotomy with standard twist drill Ø 2.0mm and Ø 2.4mm - Complete with the Ø 4mm L 6mm drill code JDDICS4
short Ø 5,0 L 6	- Start the osteotomy with standard twist drill Ø 2.0mm and Ø 2.4mm - Complete with the Ø 4mm L 6mm drill code JDDICS4D

Short Implant L 6mm JDEvolution Plus insertion in mandible

short Ø 4,0 L 6	- Start the osteotomy with standard twist drill Ø 2,0mm, Ø 2,4mm and Ø 2,8mm - Complete with the Ø 4mm L 6mm drill code JDDICS4D
short Ø 4,3 L 6	- Start the osteotomy with standard twist drill Ø 2.0mm, Ø 2,4mm and Ø 2,8mm. - Complete with the Ø 4mm L 6mm drill code JDDICS4D
short Ø 5,0 L 6	- Start the osteotomy with standard twist drill Ø 2,0mm, Ø 2,4mm and Ø 2,8mm. - Complete with the Ø 5mm L 6mm drill code JDDICS5

JDEvolution S

IMPLANT DIAMETER	SOFT BONE TYPE IV	MEDIUM BONE TYPE II-III	DENSE BONE TYPE I
Ø 3,2	1,5 (2)	2,0 2,4	2,0 2,4 (2,8)

JDIcon, JDIcon Plus

	HEALED BONE		POST EXTRACTIVE BONE	
IMPLANT DIAMETER	SOFT BONE	MEDIUM-DENSE BONE	SOFT BONE	MEDIUM-DENSE BONE
Site preparation in maxilla				
Ø 3,9	2,0 2,4 2,8 up to the 1st laser mark L6mm	2,0 2,4 2,8 3,2 up to the 1st laser mark L6mm	2,0 2,4 2,8 at the entrance	2,0 2,4 2,8 at the entrance
Ø 4,3	2,0 2,4 2,8 3,2 at the entrance	2,0 2,4 2,8 3,2 up to the 1st laser mark L6-8mm 3,6 at the entrance	2,0 2,4 2,8 3,2 at the entrance	2,0 2,4 2,8 3,2 at the entrance
Ø 5,0	2,0 2,4 2,8 3,2 3,6 up to the 1st laser mark L 6mm	2,0 2,4 2,8 3,2 3,6 up to the 1st laser mark L 6mm 4,0 at the entrance	2,0 2,4 2,8 3,2 3,6 at the entrance up to the 1st laser mark L 6mm	2,0 2,4 2,8 3,2 3,6 at the entrance up to the 1st laser mark L 6mm
Site preparation in mandible				
Ø 3,9	2,0 2,4 2,8 3,2 up to the 2nd laser mark L 8mm 3,6 up to the 1st laser mark L 6mm	2,0 2,4 2,8 3,2 3,6 up to the 1st laser mark L 6mm	2,0 2,4 2,8 3,2 at the entrance	2,0 2,4 2,8 3,2 at the entrance
Ø 4,3	2,0 2,4 2,8 3,2 3,6 up to the 2nd laser mark L 8mm 4,0 up to the 2nd laser mark L 8mm	2,0 2,4 2,8 3,2 3,6 4,0 up to the 2nd laser mark L8mm 4,4 up to the 1st laser mark L 6mm	2,0 2,4 2,8 3,2 3,6 at the entrance	2,0 2,4 2,8 3,2 3,6 at the entrance
Ø 5,0	2,0 2,4 2,8 3,2 3,6 4,0 4,4 up to the 2nd laser mark L 8mm 4,8 at the entrance	2,0 2,4 2,8 3,2 3,6 4,0 4,4 4,8 at the entrance	2,0 2,4 2,8 3,2 3,6 4,0 at the entrance	2,0 2,4 2,8 3,2 3,6 4,0 at the entrance

Short Implant L 6mm JDIcon insertion in maxilla

short Ø 4,3 L 6	Use the Ø 4mm L6 JDIcon Plus+ drill JDDICS4
short Ø 5,0 L 6	Use the Ø 4mm L6 JDIcon Plus+ drill JDDICS4D

Short Implant L 6mm JDIcon insertion in mandible

short Ø 4,3 L 6	Start the osteotomy with standard twist drill Ø 2,0mm, Ø 2,4mm and Ø 2,8mm. Complete with the Ø 4mm L6 JDIcon Plus+ drill JDDICS4D
short Ø 5,0 L 6	Start the osteotomy with standard twist drill Ø 2,0mm, Ø 2,4mm and Ø 2,8mm. Complete with the Ø 5mm L 6 JDIcon Plus+ drill JDDICS5

JDIcon Ultra S

IMPLANT DIAMETER	SOFT BONE TYPE IV	MEDIUM BONE TYPE II-III	DENSE BONE TYPE I
Ø 2,75	1,5 2,0	2,0 2,4	2,0 2,4 2,8 up to the 1st laser mark

JDIcon Plus T

	HEALED BONE		POST EXTRACTIVE BONE	
IMPLANT DIAMETER	SOFT BONE	MEDIUM-DENSE BONE	SOFT BONE	MEDIUM-DENSE BONE
Site preparation in maxilla				
Ø 3,5	2,0 2,4 2,8 up to the 1st laser mark L 6mm	2,0 2,4 2,8 3,2 up to the 1st laser mark L 6mm	2,0 2,4 2,8 3,2 up to the 1st laser mark L 6mm	2,0 2,4 2,8 at the entrance
Ø 4,0	2,0 2,4 2,8 3,2 at the entrance	2,0 2,4 2,8 3,2 up to the 1st laser mark L 6-8mm 3,6 at the entrance	2,0 2,4 2,8 3,2 at the entrance	2,0 2,4 2,8 3,2 at the entrance
Ø 4,5	2,0 2,4 2,8 3,2 3,6 up to the 1st laser mark L 6mm	2,0 2,4 2,8 3,2 3,6 up to the 1st laser mark L 6mm 4,0 at the entrance	2,0 2,4 2,8 3,2 3,6 at the entrance up to the 1st laser mark L 6mm	2,0 2,4 2,8 3,2 3,6 at the entrance up to the 1st laser mark L 6mm
Ø 5,0	2,0 2,4 2,8 3,2 3,6 4,0 4,8 up to the 1st laser mark L 6mm	2,0 2,4 2,8 3,2 3,6 4,0 4,8 up to the 1st laser mark L 6mm	2,0 2,4 2,8 3,2 3,6 4,8 at the entrance	2,0 2,4 2,8 3,2 3,6 4,0 at the entrance 4,8 up to the 1st laser mark L 6mm
Site preparation in mandible				
Ø 3,5	2,0 2,4 2,8 3,2 up to the 1st laser mark L6mm	2,0 2,4 2,8 3,2 up to the 2nd laser mark L8mm 3,6 up to the 1st laser mark L 6mm	2,0 2,4 2,8	2,0 2,4 2,8 3,2 at the entrance
Ø 4,0	2,0 2,4 2,8 3,2 3,6 up to the 2nd laser mark L8mm	2,0 2,4 2,8 3,2 3,6 4,0 up to the 2nd laser mark L8mm 4,4 up to the 1st laser mark L 6mm	2,0 2,4 2,8 3,2 at the entrance	2,0 2,4 2,8 3,2 3,6 at the entrance
Ø 4,5	2,0 2,4 2,8 3,2 3,6 at the entrance 4,0 at the entrance	2,0 2,4 2,8 3,2 3,6 4,0 4,4 4,8 at the entrance	2,0 2,4 2,8 3,2 3,6 at the entrance	2,0 2,4 2,8 3,2 3,6 4,0 at the entrance
Ø 5,0	2,0 2,4 2,8 3,2 3,6 4,0 4,8 at the entrance	2,0 2,4 2,8 3,2 3,6 4,0 4,4 4,8	2,0 2,4 2,8 3,2 3,6 4,8 at the entrance	2,0 2,4 2,8 3,2 3,6 4,0 4,8 up to the 1st laser mark L 6mm

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