

## Global D Therapeutic arsenal

*twin*kone® 4

In-Kone® UNIVERSAL

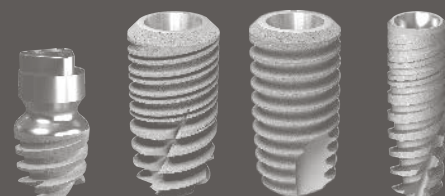
In-Kone® PRIMO

3.0 implant



## Implants with subcrestal shoulder

### Surgery





## Partner for your surgery

**Global D** is a French company which specialises in the design, manufacture and supply of **high quality medical devices** for maxillofacial and pre-implant surgery, orthodontics and dental implantology.

We are passionate about what we do, and we develop **close relationships** with our customers. In addition to our products, which we develop in close collaboration with experienced surgeons, we support all our users in developing their skills. With this in mind we have set up a large network of colleagues, and we offer a variety of events, meetings and training courses to give our customers the opportunity to **share their knowledge**.

We also make every effort to ensure the **professionalism** and **expertise of our teams**, who are responsible for providing advice and service to the surgeons who use our products.

With the remarkable synergy between our areas of activity, we provide high added value in terms of expertise in the field of bone surgery devoted to facial harmony and an attractive smile.





# Global D therapeutic arsenal

## Implants with subcrestal shoulder

### Surgery

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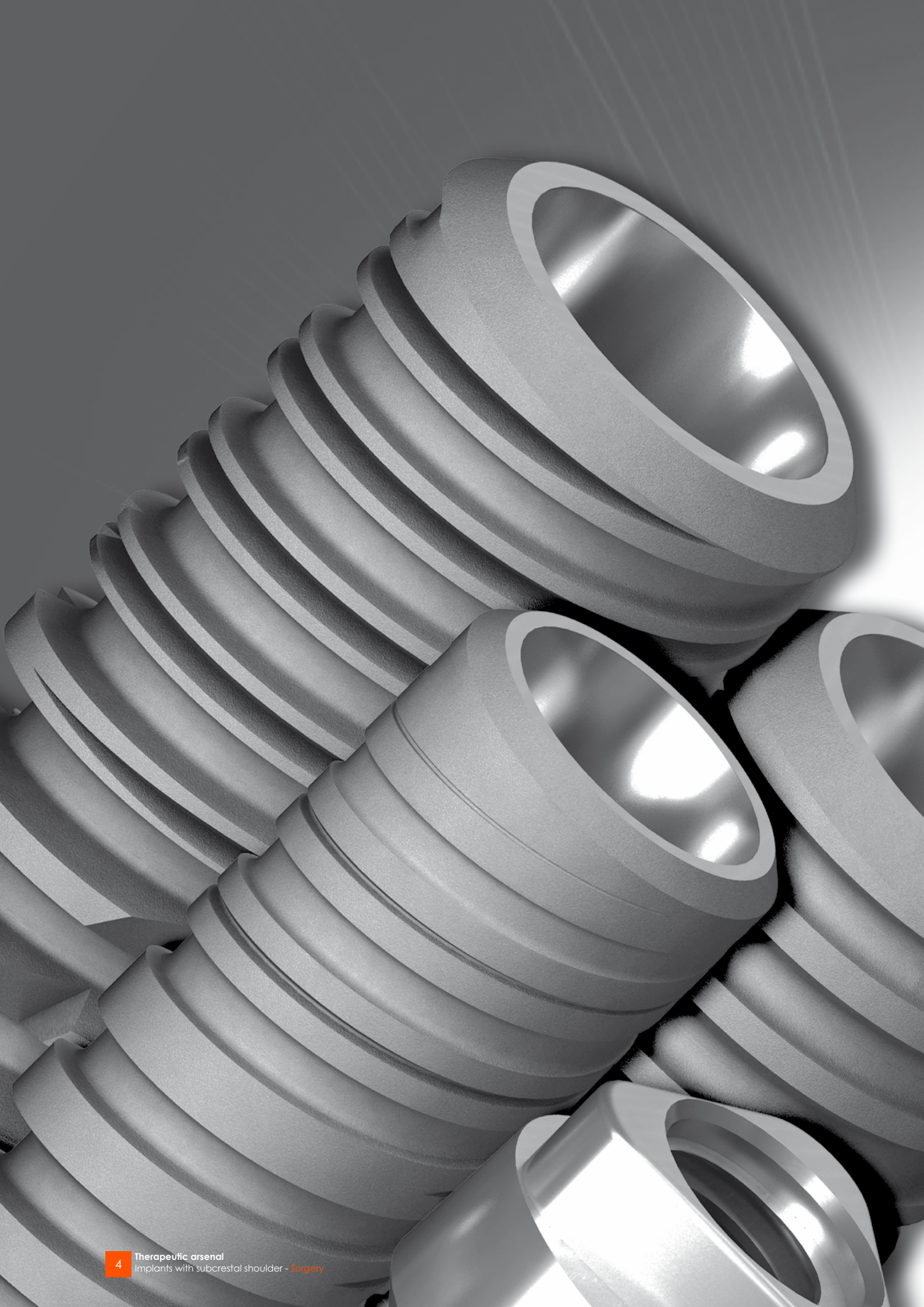
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Note: the herebelow In-kone® UNIVERSAL programme refers to the In-kone® UNIVERSAL SA<sup>2</sup> references

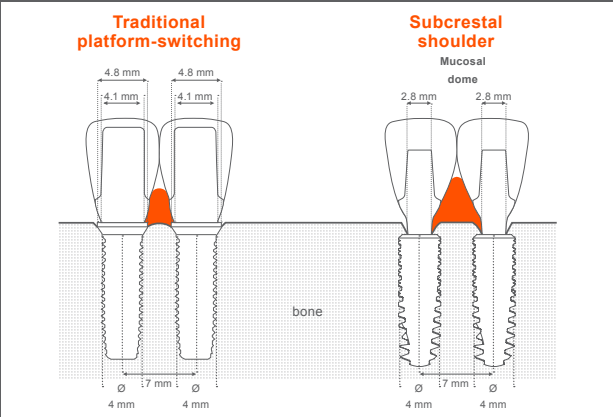








# Overview of the Global D therapeutic arsenal

## Implants with subcrestal shoulder



The range of implants with subcrestal shoulder has been designed to promote a lasting response in terms of protection of the peri-implant tissues in most clinical situations.

### Implants and surgical kits

			
 In-Kone® UNIVERSAL			
 In-Kone® PRIMO			
 3.0 IMPLANT	 Possible by adding 3.0 implant instrumentation		
 twinkon® 4			

# In-Kone® UNIVERSAL

## Presentation

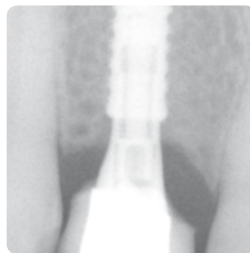
**The In-Kone® UNIVERSAL** is a 2-piece implant with an internal cone connection type and a roughened subcrestal shoulder. This positioning, associated to the «socketing» profile of prosthetic components allows the development of a gradual emergence profile of the future prosthesis.

**The external profile of the In-Kone® UNIVERSAL** is cylindro-conical and is characterised by a progressive self-tapping double thread which promotes an immediate primary stability by screwing. The SA<sup>2</sup> surface condition is obtained by sandblasting followed by etching.

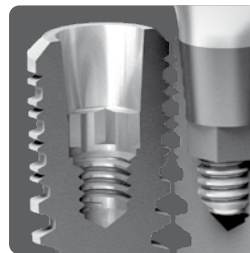
**Implant can be used in one or two step surgery.** Many sizes of healing screws allow to conform the emergence profile in adequacy with the biotype and the diameter of the future tooth.

**The internal cone, in apical part, is provided with an hexagon** which allows the repositioning in the mouth of the prosthetic components once customized by the laboratory. Anti-rotation of disposable components, once in place, is ensured by «morse» effect when interlocking of the male cone in the female cone of 8 ° (2x4°).

**The In-Kone® UNIVERSAL** implant is placed with the ULTIMATE surgery kit. The drilling protocol is common to In-Kone® PRIMO implants and 3.0 Implant.



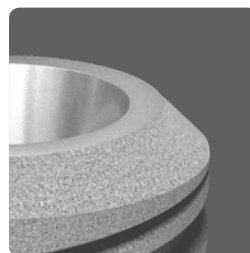
Subcrestal positioning



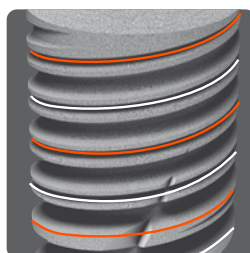
8° friction taper



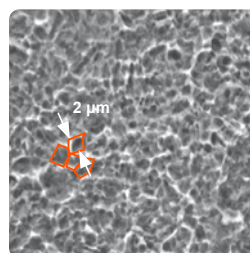
Medical grade titanium alloy



Roughened chamfered shoulder



Retentive double thread



SA² surface condition



## References

L \ Ø	Ø 3.5 mm	Ø 4 mm	Ø 4.5 mm	Ø 5 mm
6 mm		DPINK4L6	DPINK4.5L6	DPINK5L6
8.5 mm	DPINK3.5L8.5	DPINK4L8.5	DPINK4.5L8.5	DPINK5L8.5
10 mm	DPINK3.5L10	DPINK4L10	DPINK4.5L10	DPINK5L10
11.5 mm	DPINK3.5L11.5	DPINK4L11.5	DPINK4.5L11.5	DPINK5L11.5
13 mm	DPINK3.5L13	DPINK4L13	DPINK4.5L13	DPINK5L13
15 mm	DPINK3.5L15	DPINK4L15	DPINK4.5L15	



## Packaging

- Double sterile packaging
- Colour-coded by diameter
- Triple label for traceability
- Direct pick-up without intermediate implant holder
- **Implant supplied with its flat cover screw**



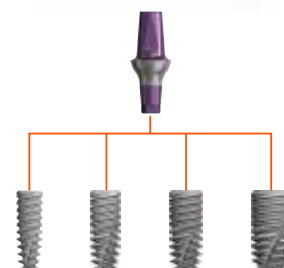
## In-Kone® prosthesis

The In-Kone® prosthesis range has an intuitive tapered connection with hexagonal indexation. The concave, tulip-shaped profile of the components promotes the formation of a thick peripheral mucosal dome. The comprehensive prosthesis range, available in various mucosal profile formats, provides an ideal solution for each clinical situation.

(For more information, please refer to our prosthesis catalogue).



The different implant diameters all have the **same prosthetic connection**. Management of the prosthetic fitting is simplified. The management of the different prosthetic emergence profiles is also easier as it is independent of the implant diameter.



Global D has a wide range of implant prostheses in its digital arsenal. The laboratory can therefore work on the base for both single and multiple implants. Prosthetists with the appropriate machine can also make customised abutments from pre-milled blanks designed and made by us.

In addition, with the Global D Compliance solution it is possible for prosthetists who comply with our user agreement to go even further, making machined frameworks in the laboratory.

(For more information, go to [www.globald.com](http://www.globald.com)).



## ULTIMATE surgical kit

The In-Kone® UNIVERSAL implant is compatible with the **ULTIMATE surgical kit**. Using the simple, reproducible ULTIMATE protocol, the drilling diameter can be adapted to suit the bone density while maintaining **homothetic preparation** of the implant shaft irrespective of the final drilling diameter.

(For more information, see p. 22)



# In-Kone® PRIMO

## Presentation

The **In-Kone® PRIMO** is a 2-piece implant with an internal cone connection type and a roughened subcrestal shoulder. This positioning, associated to the «socketing» profile of prosthetic components allows the development of a gradual emergence profile of the future prosthesis.

**The external profile of the In-Kone® PRIMO** is characterised by a single regular thread (thread of 0.8mm) which promotes to control the speed insertion and vertical positioning of the implant. The SA<sup>2</sup> surface condition is obtained by sandblasting followed by etching.

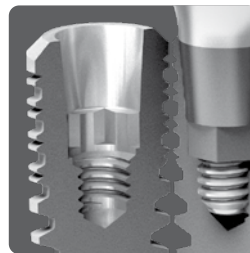
**Implant can be used in one or two step surgery.** Many sizes of healing screws allow to conform the emergence profile in adequacy with the biotype and the diameter of the future tooth.

**The internal cone, in apical part, is provided with an hexagon** which allows the repositioning in the mouth of the prosthetic components once customized by the laboratory. Anti-rotation of disposable components, once in place, is ensured by «morse» effect when interlocking of the male cone in the female cone of 8 ° (2x4°).

**The In-Kone® PRIMO** implant is placed with the ULTIMATE surgery kit. The drilling protocol is common to In-Kone® UNIVERSAL implant and 3.0 Implant.



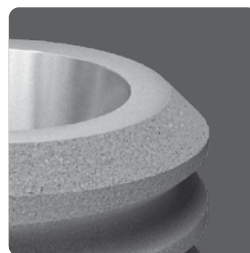
Subcrestal positioning



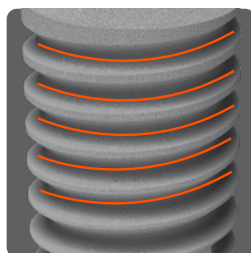
8° friction taper



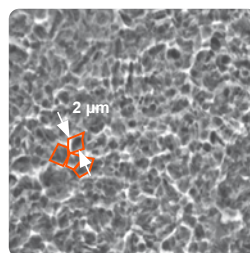
Medical grade titanium alloy



Roughened chamfered shoulder



Single progressive thread



SA² surface condition



## References

L \ Ø	Ø 3.5 mm	Ø 4 mm	Ø 4.5 mm	Ø 5 mm
6 mm		DPINKP4L6	DPINKP4.5L6	DPINKP5L6
8.5 mm	DPINKP3.5L8.5	DPINKP4L8.5	DPINKP4.5L8.5	DPINKP5L8.5
10 mm	DPINKP3.5L10	DPINKP4L10	DPINKP4.5L10	DPINKP5L10
11.5 mm	DPINKP3.5L11.5	DPINKP4L11.5	DPINKP4.5L11.5	DPINKP5L11.5
13 mm	DPINKP3.5L13	DPINKP4L13	DPINKP4.5L13	DPINKP5L13
15 mm	DPINKP3.5L15	DPINKP4L15	DPINKP4.5L15	



## Packaging

- Double sterile packaging
- Colour-coded by diameter
- Triple label for traceability
- Direct pick-up without intermediate implant holder
- **Implant supplied with its flat cover screw**



## In-Kone® prosthesis

The **In-Kone® prosthesis range** has an intuitive tapered connection with hexagonal indexation. The concave, tulip-shaped profile of the components promotes the formation of a thick peripheral mucosal dome.

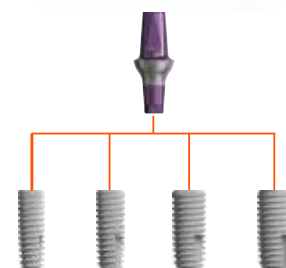
The comprehensive prosthesis range, available in various mucosal profile formats, provides an ideal solution for each clinical situation.

(For more information, please refer to our prosthesis catalogue).



The different implant diameters all have the **same prosthetic connection**.

Management of the prosthetic fitting is simplified. The management of the different prosthetic emergence profiles is also easier as it is independent of the implant diameter.



Global D has a wide range of implant prostheses in its digital arsenal. The laboratory can therefore work on the base for both single and multiple implants. Prosthetists with the appropriate machine can also make customised abutments from pre-milled blanks designed and made by us.

In addition, with the Global D Compliance solution it is possible for prosthetists who comply with our user agreement to go even further, making machined frameworks in the laboratory.

(For more information, go to [www.globald.com](http://www.globald.com)).



## ULTIMATE surgical kit

The In-Kone® PRIMO implant is compatible with the **ULTIMATE surgical kit**. Using the simple, reproducible ULTIMATE protocol, the drilling diameter can be adapted to suit the bone density while maintaining **homothetic preparation** of the implant shaft irrespective of the final drilling diameter.

(For more information, see p. 22).



## 3.0 implant

### Presentation

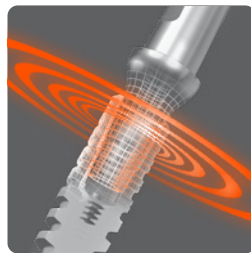
The **3.0 implant** is a 2-piece implant indicated for narrow interdental spaces of maxillar lateral incisor and mandibular incisor.

The **external profile of the 3.0 implant is characterised by a progressive self-tapping double thread** which promotes an immediate primary stability by screwing. The SA<sup>2</sup> surface condition is obtained by sandblasting followed by etching.

**Implant can be used in one or two step surgery.** The format of the healing screws allows to conform the emergence profile in adequacy with the prosthetic components.

**The internal cone, in apical part, is provided with an hexagon** which allows the repositioning in the mouth of the prosthetic components once customized by the laboratory. Anti-rotation of disposable components, once in place, is ensured by «morse» effect when interlocking of the male cone in the female cone of 5° (2x2.5°).

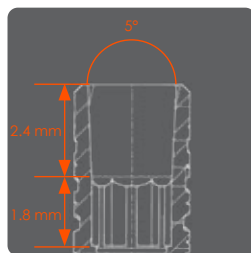
The **3.0 implant** can be placed with the ULTIMATE surgery kit equipped with adequate keys and corresponding screwdrivers. It can also be placed using the 3.0 Implant specific surgery kit.



5° cone



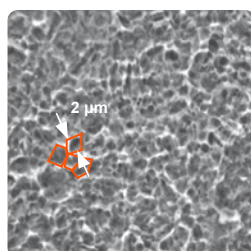
Mechanically tested



Internal friction-fit taper



4/10th shoulder



SA<sup>2</sup> surface condition

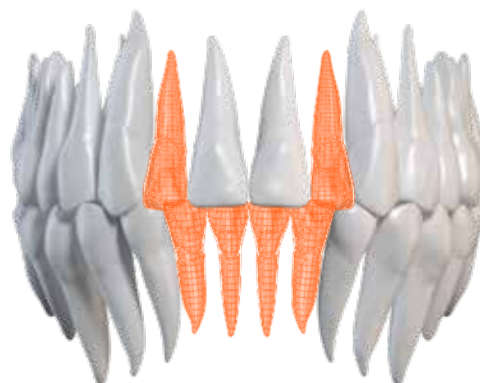


ULTIMATE SURGICAL PROTOCOL



## References

L \ Ø	Ø 3 mm
8.5 mm	DPTZ3.0L8.5
10 mm	DPTZ3.0L10
11.5 mm	DPTZ3.0L11.5
13 mm	DPTZ3.0L13



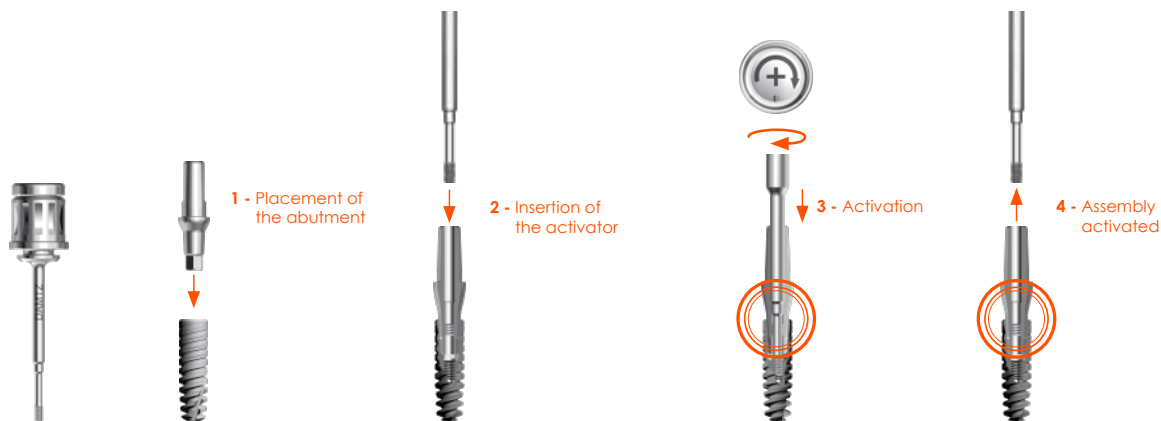
## Packaging

- Double sterile packaging
- Triple label for traceability
- Direct pick-up without intermediate implant holder
- **Cover screws and healing screws supplied separately**



## 3.0 implant prosthesis

The **Acti-Lock® concept locks** the prosthetic components in the implant without any fixing screws. The male and female tapers are forced together by the activator and tightened to 15 N.cm. The assembly obtained promotes the mechanical stability and antibacterial seal of the interface necessary to maintain the tissue over time.



The 3.0 **implant prosthesis range** includes straight or angled slim abutments, indicated for single fixed cement-retained restorations. They are available in several periodontal heights. The 4/10th shoulder gives a continuous, progressive finish of the emergence profile once the prosthesis is in place.



## ULTIMATE surgical kit

The 3.0 implant is compatible with the **ULTIMATE surgical kit** with the addition of the 3.0 implant extension.

A specific 3.0 **implant kit** is also available.

(For more information, see p. 22 and p.30).



# twin<sup>kor</sup>® 4

## Presentation

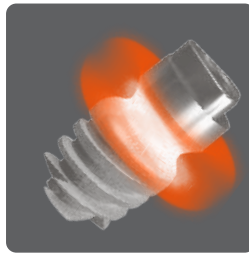
The twin<sup>kor</sup>® 4 is a 4 mm long ultra-short implant available in 4 and 4.5 mm diameter. It is indicated for fixed screw-retained multiple restorations in the posterior mandibular area in cases of severe atrophy of the bone.

From the initial healing phase, **the concave collar of the implant** enables the formation of a mucosal seal. Prosthetic manipulations in the restoration phase are performed at the level of the conical interface, located above this natural barrier.

**The external profile of the twin<sup>kor</sup>® 4 implant is characterised by deep thread.** The SA<sup>2</sup> surface condition is obtained by sandblasting followed by etching.

**The external cone is topped by an indexing trigone.** Anti-rotation of disposable components, once in place, is ensured by «morse» effect when interlocking of the male cone in the female cone of 5° (2x2.5°).

The twin<sup>kor</sup>® 4 is placed with the specific dedicated surgery kit.



Concave collar



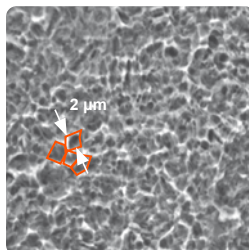
External friction-fit taper



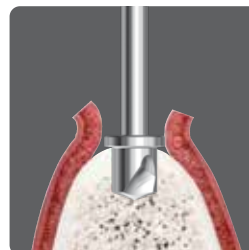
Retentive apical profile



Gradually rounded shoulder



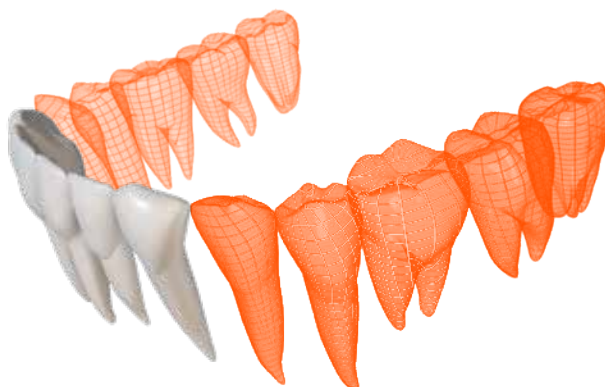
SA<sup>2</sup> surface condition



Drills with integrated depth stops



## References



L \ Ø	Ø 4 mm	Ø 4.5 mm
4 mm	DPTWKCT4L4	DPTWKCT4.5L4

## Packaging

- Simple packaging, sterile blister
- Implant supplied with pre-mounted **implant holder**
- Triple label for traceability
- **Delivered with its extra-flat cover screw**



## twinkon<sup>®</sup> 4 prosthesis

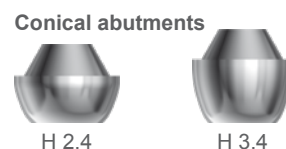
### Match with the prosthetic lane

Due to its transmucosal collar topped with an external tapered connection, the twinkon 4 requires exact positioning to match it with the prosthetic lane.



### 5.4 mm diameter emergence profile

The tapered pillar abutments of the twinkon<sup>®</sup> 4 system have been designed to obtain progressive emergence of the prosthesis. The 5/10th shoulder is wide enough to encourage the passive fit of the bridge framework.



## twinkon<sup>®</sup> 4 surgical kit

The implant is compatible with the specific twinkon<sup>®</sup> 4 surgical kit. This contains drills with integrated depth stops for safe drilling near anatomical obstacles and calibrating the preparation depth to ensure close-fitting vertical positioning of the implant.

(For more information, see p. 34)



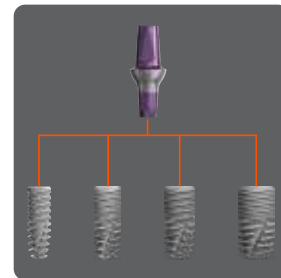
(\*) The implant holder only allows to pre-visualize the prosthetic emergence of the future abutment. Do not use it as a temporary abutment.

# In-Kone<sup>®</sup> healing screw

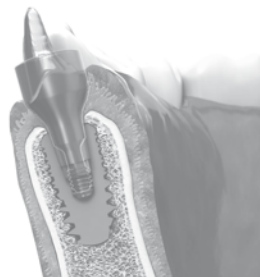
Main principles of the In-Kone<sup>®</sup> prosthesis



Common prosthesis  
range



Single connection to  
3.5/4/4.5/5 mm diameters



Healing screw slightly  
oversized (Ø +0.1mm)



Concave aesthetic  
emergence profiles

## Signature of the emergence profile

1. A signature suitable for the tissue profiles



2. Colour code and laser marking on the screw heads



3. Easy to read correspondence between screws and components



ref. DVCICI5H4



ref. DFMPDVINK5H4

Healing screw references



Periodontal height	Height	Ø 4.0	Ø 5.0	Ø 6.5
1.5 mm	flat	DVCICI4H1.5	DVCICI5H1.5	DVCICI6.5H1.5
1.5 mm	tall	DVCIHCI4H1.5	DVCIHCI5H1.5	DVCIHCI6.5H1.5
2.2 mm	flat	DVCICI4H2.2	DVCICI5H2.2	DVCICI6.5H2.2
2.2 mm	tall	DVCIHCI4H2.2	DVCIHCI5H2.2	DVCIHCI6.5H2.2
3 mm	flat	DVCICI4H3	DVCICI5H3	DVCICI6.5H3
3 mm	tall	DVCIHCI4H3	DVCIHCI5H3	DVCIHCI6.5H3
4 mm	flat	DVCICI4H4	DVCICI5H4	DVCICI6.5H4
4 mm	tall	DVCIHCI4H4	DVCIHCI5H4	DVCIHCI6.5H4
5 mm	flat	DVCICI4H5	DVCICI5H5	DVCICI6.5H5
5 mm	tall	DVCIHCI4H5	DVCIHCI5H5	DVCIHCI6.5H5
7 mm	flat	DVCICI4H7	DVCICI5H7	
7 mm	tall	DVCIHCI4H7	DVCIHCI5H7	

Note: The healing screws and cover screws are single-use components. They must be screwed in manually using a 1.2 mm hex screwdriver (hex screwdriver ref. DCM1.2C/DCM1.2/DCM1.2L).

It is recommended to screw manually the healing screws or to apply a maximum torque of 10N. cm.

Cover screws



Screwdrivers

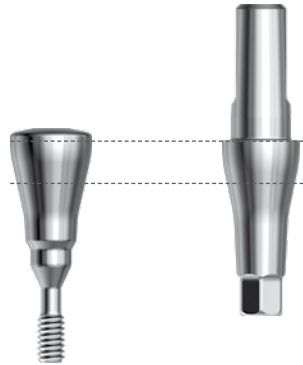




# 3.0 implant Healing screw

## Signature of the emergence profile

The healing screw (diameter 3.5 mm) is an essential component in the restoration phase of the 3.0 implant system as it prepares the prosthetic seating for the final component (diameter 3.4 mm). It enables **tension-free insertion** of the prosthetic component.



ref. DVCITZ3.4H4    ref. DFMTZ3.4H4-00

## Easy to read references

The references are structured so that the healing screw formats can be directly combined with the corresponding components, as shown here with 3.4 diam. and 4 mm height abutments.

## References

	3.0 cover screw flat Height 0 mm	DVCOTZH0
	3.0 cover screw tall Height 2 mm	DVCOTZH2
	Healing screw 3.0 Ø3.4 Height 2 mm	DVCITZ3.4H2
	Healing screw 3.0 Ø3.4 Height 4 mm	DVCITZ3.4H4
	Healing screw 3.0 Ø3.4 Height 6 mm	DVCITZ3.4H6

## Screwdrivers



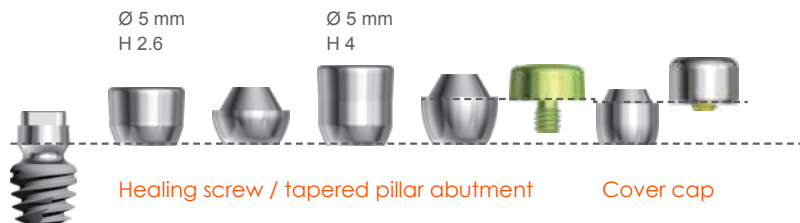
DCM1.2C

DCM1.2

DCM1.2L

# twinkon<sup>®</sup> 4 healing screw

## Preparation of the prosthetic seating



The preparation of the prosthetic seating can be managed either using a healing screw placed directly on the implant, or using a tapered pillar abutment fitted with its cover cap. (For more information, see the prosthesis catalogue).

## References

	twinkon <sup>®</sup> healing screw Ø 5 mm, H=2.6 mm	DVCITWK5H2.6*
	twinkon <sup>®</sup> healing screw Ø 5 mm, H=4 mm	DVCITWK5H4*

(\*) new design available from the 4<sup>th</sup> quarter 2020

## Screwdrivers

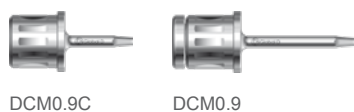


## Cover screw



Its purpose is to cover the connection of the implant during the osteointegration.

## Screwdrivers



Torque: 10 N.cm

# Technical information

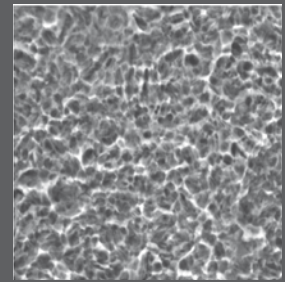
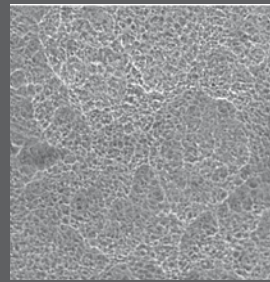
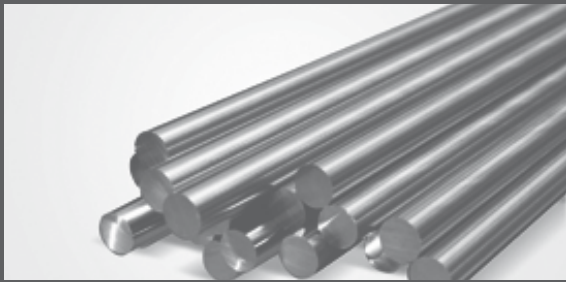
## TA6V ELI (Extra Low Impurity) medical grade titanium alloy, the material of choice for dental implantology

### TA6V ELI, a biocompatible alloy

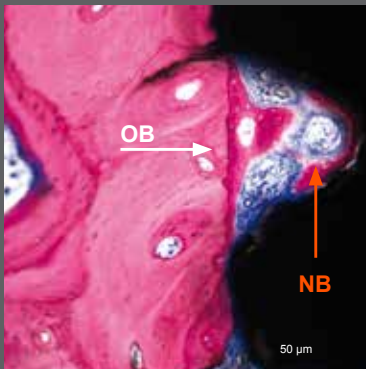
TA6V ELI is a material that complies with the international standard **ISO 5832-3**. The TA6V ELI combines low density, **excellent biocompatibility**, low modulus of elasticity and high mechanical strength, which makes it particularly suitable for the manufacture of dental implants.

### SA<sup>2</sup> osteoconductive surface treatment

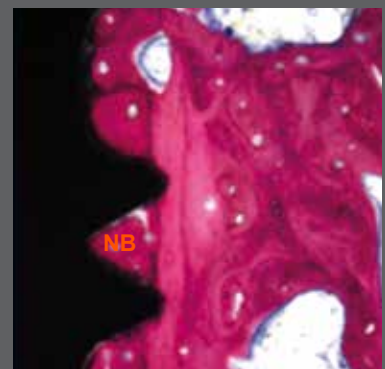
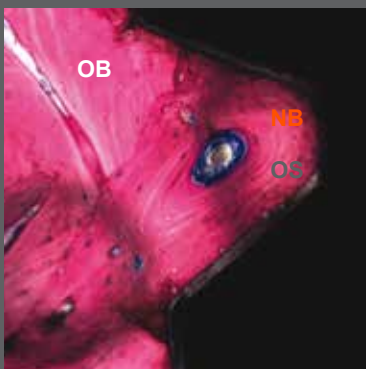
SA<sup>2</sup> treatment on the endosseous part of the implants gives the TA6V ELI a surface condition with a double level of osteoconductive roughness.



Bone 3 weeks post-implantation on a beagle

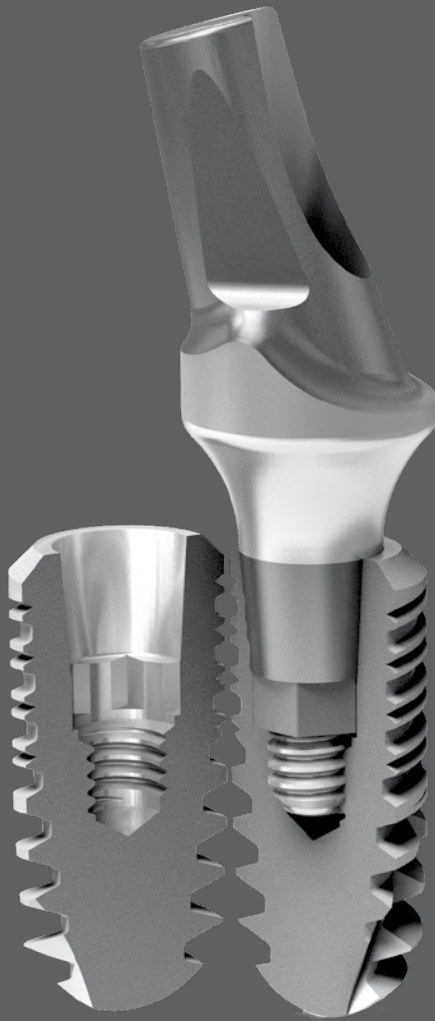


Bone 12 weeks post-implantation on a beagle



Study on beagles carried out by Drs C. Bolle 1-2, P. Exbrayat 2, Gustin M.-P. and B. Grosgeat 1-2, in collaboration with Dr D. Fau 3.  
(Analysis method: histology, non-decalcified bone, cutting-grinding).





### TA6V ELI, an alloy for high-precision machining

Titanium is a complex material to machine. The hardness of TA6V ELI, compared to that of a more “elastic” grade IV titanium, makes it easier for the material to become detached when being cut. Used with tools that have been specially designed for Global D, **machining precision** can be optimised, which is essential for the biomechanical requirements for implant connections such as the friction taper used in particular for In-Kone®, 3.0 implant and twinkon® 4 implants.



## The prosthetic connection at the heart of the implantable device

### Mechanical results

In industrial terms, the mechanical and antibacterial performance of the interface are closely linked to the precise fit between the male and female parts and also linked to **the control of their surface conditions.**



### Industrial know-how and medical devices

**Design, mechanical tests, clinical validation, manufacture, inspection, recording, traceability, CE marking, storage, supply and monitoring of marketing,...**

Global D has a technical setup exclusively devised and customised for the manufacture of dental implants. Our teams of experienced technicians are specially trained on machining medical components. The precision of the cutting conditions enable to master surface conditions at the level of implant connection.

The connections undergo continuous stringent inspection directly on the production lines. The batches are then passed to the inspection department which validates all the critical dimensions. This department has a high-tech setup which enables it to work to an accuracy of approximately  $\pm 5$  microns at the connection (the average thickness of a single human hair is 70 microns). Each inspection is recorded and the record kept for the lifetime of the product.



## Global D partner for your success

In-Kone<sup>®</sup>, conical connection

Committed designers

An experienced technical team

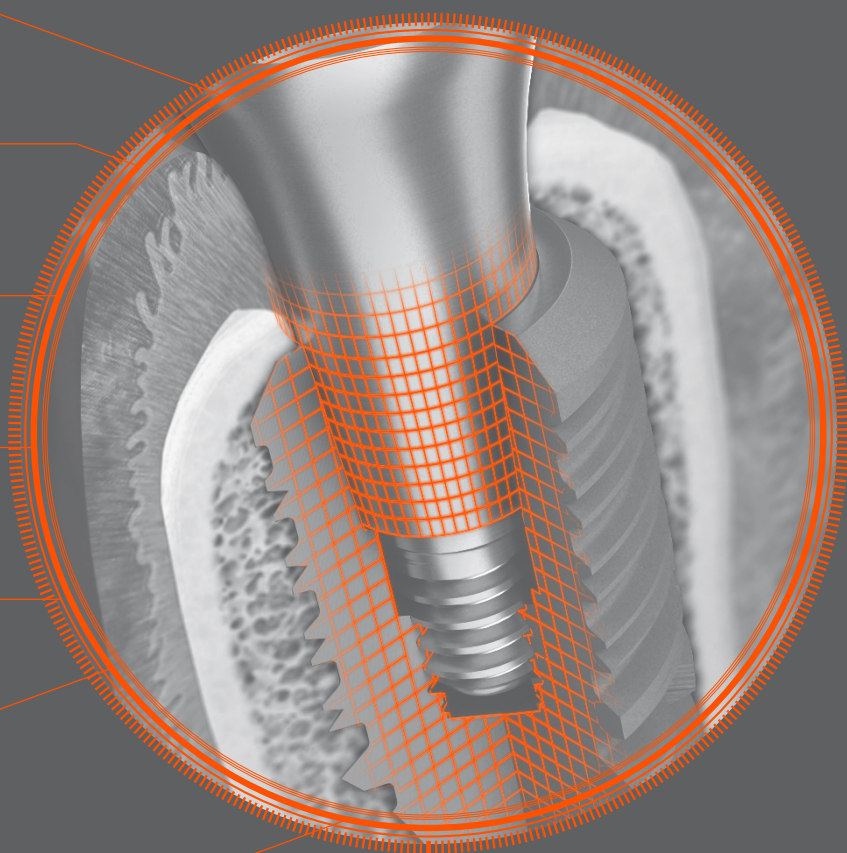
Dedicated industrial facilities

Tested assembly

Inspected components

Faultless traceability

Excellent clinical performance every day

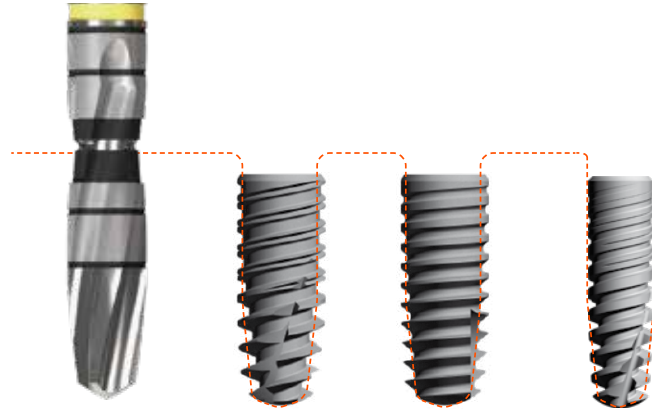






# ULTIMATE Surgical kit

## Presentation



The **ULTIMATE protocol** is specially designed for the insertion of In-Kone® UNIVERSAL, In-Kone® PRIMO and 3.0 implants.

The progressive drilling sequence which is homothetic to match the shape of the implants has been developed to obtain **close-fitting primary stability that is uniformly distributed** over the bone.

The drills have been designed based on the latest technological advances in rotating instruments so that they combine high precision cutting with efficient removal of bone shavings.

Clinically assessed by a multi-centre team of dental surgeons, **ULTIMATE** is a protocol that can be adapted to any type of bone density.



## Latest generation drills



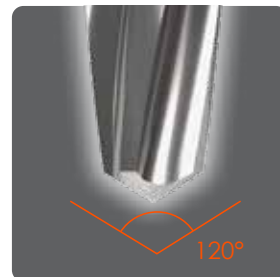
Stabilisation of the drill



Dual colour code



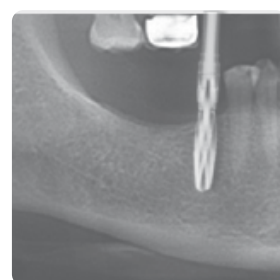
Non-reflecting treatment



Controlled penetration



Removal of shavings



Radio-opaque machined markings

## Double cutting edge

# ULTIMATE

## Surgical kit

### Presentation



#### Compact kit

The size is designed for minimum dimensions and ease of insertion in autoclaves. The cover is transparent and the removable tray is easy to clean. The case is made of Radel and can be autoclaved at 134°.



#### Marking drill

The extremely effective marking drill is used for precise definition of the emergence point of the implant, even when there are narrow crests or sloping bone faces (post-extraction implantation in anterior areas, for example).



#### Short drills with optional depth stops

Mainly used for posterior areas, the short drills are compatible with the (optional) removable depth stops for safe use near anatomical obstacles.



#### Long drills with slim profile

Mainly used in sectors where there are aesthetic requirements, the long drills have a slim profile for ease of insertion between two teeth and to ensure that the drilling exactly matches the required implant axis.





### Surgical torque wrench

The torque wrench, which has an adjustment range of 15-70 N.cm., is used for controlled tightening of the implant.

(\*) Wrench manufactured by Josef Ganter GmbH



### Spacing indicator

The spacing indicator gives the three distances most commonly used in dental implantology (7/8/9 mm). Placed directly in the initial drilling shaft, it is used for precise marking of the emergence point of the adjacent implant.



### Implant drivers

The mandrels for tightening implants are available in long and short versions. They have a black ring at a height of 2 mm for confirming that the instrument is “fully” inserted in the implant connection and then showing the subcrestal positioning of the shoulder of the implant when screwing into the bone.



### Dual-use gauge (optional)

Can be used to measure the drilling depth or the soft tissue height. The gauge makes it easy to choose the healing screw height accurately by resting directly on the head of the implant.

# ULTIMATE

## Surgical kit

### Contents





































Ref: DKITULTI-INK

The decontamination, cleaning and sterilisation methods are listed in the instructions enclosed in the packaging of the ULTIMATE surgical kit.

Link to the instructions for the ULTIMATE surgical kit:

<http://doc-global.d.com/0206.html>



1	Marking drill	Ø 2 mm	Short		DFCL-INIT
2	Pilot drills	Ø 2.4 mm	Short		DFU1.5-2.4C
			Long		DFU1.5-2.4L-17
3	Intermediate drills	Ø2.7 mm	Short		DFKU2.7C
			Long		DFKU2.7L-17
		Ø2.9 mm	Short		DFKU2.9C
			Long		DFKU2.9L-17
		Ø3.2 mm	Short		DFKU3.2C
			Long		DFKU3.2L-17
		Ø3.4 mm	Short		DFKU3.4C
			Long		DFKU3.4L-17
		Ø3.7 mm	Short		DFKU3.7C
			Long		DFKU3.7L-17
		Ø3.9 mm	Short		DFKU3.9C
			Long		DFKU3.9L-17
		Ø4.2 mm	Short		DFKU4.2C
			Long		DFKU4.2L -17
		Ø4.4 mm	Short		DFKU4.4C
			Long		DFKU4.4L -17
		Ø4.7 mm	Short		DFKU4.7C
			Long		DFKU4.7L -17
		Ø4.9 mm	Short		DFKU4.9C
			Long		DFKU4.9L -17
4	Drill extension				DPROL
5	Parallelism and depth indicators				3 x DAPULTI-C
6	Spacing indicator				DIA-ULTI
7	Torque wrench* (*) Wrench manufactured by Josef Ganter GmbH		15-70N. cm		DCDYN-70D
8	Manual hex screwdrivers	1.2 mm	Short		DCM1.2C
			Standard		DCM1.2
	Hex contra-angle wrench	1.2 mm	Standard		DCCA1.2
9	In-Kone® implant drivers	Manual	Standard		DCPIMCI2-1.2
			Long		DCPIMCI2-1.2-L
		Contra-angle	Standard		DCPICACI2
			Long		DCPICACI2-L
10	Space for optional instruments				
11	Space for cortical burrs (in option)				

# ULTIMATE

## Surgical kit

### Drilling protocol

The drilling protocol, which is progressive and homothetic to match the shape of the implants, provides primary stability that is uniformly distributed whatever the final preparation diameter.



implant	Bone density	P	2.4	2.7	2.9	3.2	3.4	3.7	3.9	4.2	4.4	4.7	4.9
Ø3mm*	low	•	•										
	medium	•	•	•									
	high	•	•		•								
Ø3.5mm	low	•	•		•								
	medium	•	•		•	•							
	high	•	•		•		•						
Ø4mm	low	•	•		•		•						
	medium	•	•		•		•	•					
	high	•	•		•		•		•				
Ø4.5mm	low	•	•		•		•		•				
	medium	•	•		•		•		•	•			
	high	•	•		•		•		•		•		
Ø5mm	low	•	•		•		•		•		•		
	medium	•	•		•		•		•		•	•	
	high	•	•		•		•		•		•		•



(\*) To insert 3.0 implants, the associated screwdrivers (available as options) must be added to the ULTIMATE kit



## ULTIMATE options

### ULTIMATE depth stop micro kit

Removable container, comprising two sets of Ø3 mm depth stops to be used with DFU1.5-2.4C/DFKU2.7C/DFKU2.9C drills. This depth stop micro kit enables direct contra-angle pick-up.



DBUMICROKIT

Implant diameter Ø	Colour code	6 mm	7.5 mm	8.5 mm	10 mm	11.5 mm	13 mm
3		DBU3L6	DBU3L7.5	DBU3L8.5	DBU3L10	DBU3L11	DBU3L13

### Complete ULTIMATE depth stop kit

For Ø3.5/Ø4/Ø4.5/Ø5 diameter In-Kone® UNIVERSAL and In-Kone® PRIMO implants.



DBULTIKIT

Implant diameter Ø	Colour code	6 mm	7.5 mm	8.5 mm	10 mm	11.5 mm	13 mm
3		DBU3L6	DBU3L7.5	DBU3L8.5	DBU3L10	DBU3L11.5	DBU3L13
3.5		DBU3.5L6	DBU3.5L7.5	DBU3.5L8.5	DBU3.5L10	DBU3.5L11.5	DBU3.5L13
4		DBU4L6	DBU4L7.5	DBU4L8.5	DBU4L10	DBU4L11.5	DBU4L13
4.5		DBU4.5L6	DBU4.5L7.5	DBU4.5L8.5	DBU4.5L10	DBU4.5L11.5	DBU4.5L13
5		DBU5.5L6	DBU5.5L7.5	DBU5.5L8.5	DBU5.5L10	DBU5.5L11.5	DBU5.5L13

### Crestal bone profilers

Crestal bone profilers are used to remove, if necessary, any excess supra-implant crestal bone and to ensure the passive placement of the healing screws. The profilers have a centring pilot point which is placed in the implant to stabilise the instrument as it rotates. The PEEK head maintains the integrity of the connection during the operation.



DFRCZ3.4

DFRINC4

DFRINC5

DFRINC6.5

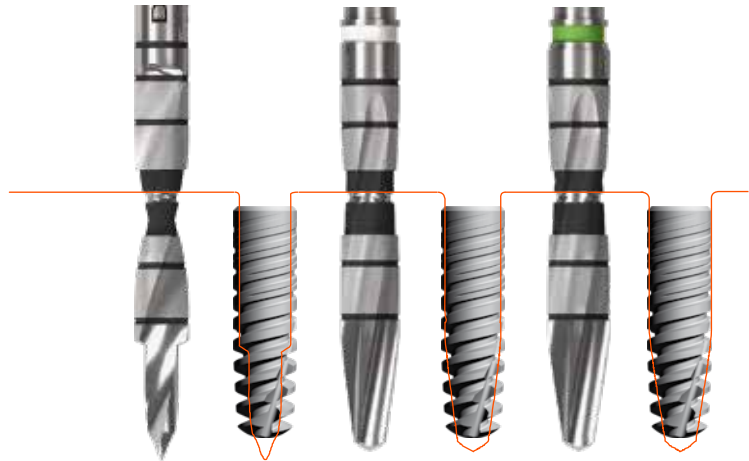
### 3.0 implant extension

Implants in the 3.0 implant range can be used with the ULTIMATE surgery kit with the addition of the implant drivers, the activator screwdriver and the extractor, which are supplied separately:

Implant drivers	contra-angle		DCPICATZ
	manual		DCPIMTZ
Prosthesis screwdrivers	Activator		DAMTZ
	Extractor		DEMTZ
Crestal bone profiler (optional)			DFRCZ3.4



## 3.0 implant Surgical kit Presentation



The 3.0 implant surgical kit has been specially designed for inserting slim  $\varnothing$  3 mm implants.

The 3.0 implant kit is **compact** and is a very useful addition to the ULTIMATE kit when a great deal of implant surgery is being carried out.

The insertion protocol has been developed based on the ULTIMATE protocol:

The drilling sequence which is homothetic to match the shape of the implants ensures **close-fitting primary stability that is uniformly distributed** over the bone. The progressive drilling sequence enables the final drilling diameter to be adapted to suit the bone density.



## Latest generation drills

- Double lazer marking + throat
- Non-reflective treatment surface
- Double cutter
- Color code by diameter


















# 3.0 implant Surgical kit

## Contents





1	Drills	Ø 2.4 mm	long		DFU1.5-2.4L-17
		Ø 2.7 mm	long		DFKU2.7L-17
		Ø 2.9 mm	long		DFKU2.9L-17
2	Drill extension				DPROL
3	Parallelism and depth indicators				2 x DAPULTI-C
4	Torque wrench		15-70N. cm		DCDYN-70D*
5	Hex screwdriver	1.2 mm	long	 	DCM1.2L
6	Implant drivers	Contra-angle			DCPICATZ
		Manual		 	DCPIMTZ
7	Prosthesis screwdrivers	Activator		 	DAMTZ
		Extractor		 	DEMTZ
8	Space for optional instruments				

\*Key manufactured and CE marked by Josef Ganter GmbH. Respect the cleaning, decontamination and sterilization recommendations provided by the manufacturer.

## Drilling protocol

Drilling protocol according to the bone density of the site.



Implant	Bone density	P	2.4	2.7	2.9
Ø3mm	low	•	•		
	medium	•	•	•	
	high	•	•		•

1200 rpm      800-600 rpm

## Crestal bone profiler

The crestal bone profiler is used to remove, if necessary, any excess supra-implant crestal bone and to ensure the passive placement of healing screws. The profiler has a centring pilot point which is placed in the implant to stabilise the instrument as it rotates. The PEEK head maintains the integrity of the connection during the operation



DFRCTZ 3.4

# twinkon® 4

## Surgical kit

### Presentation



twinkon® 4 ultra-short implants are inserted using the specially designed surgical kit.

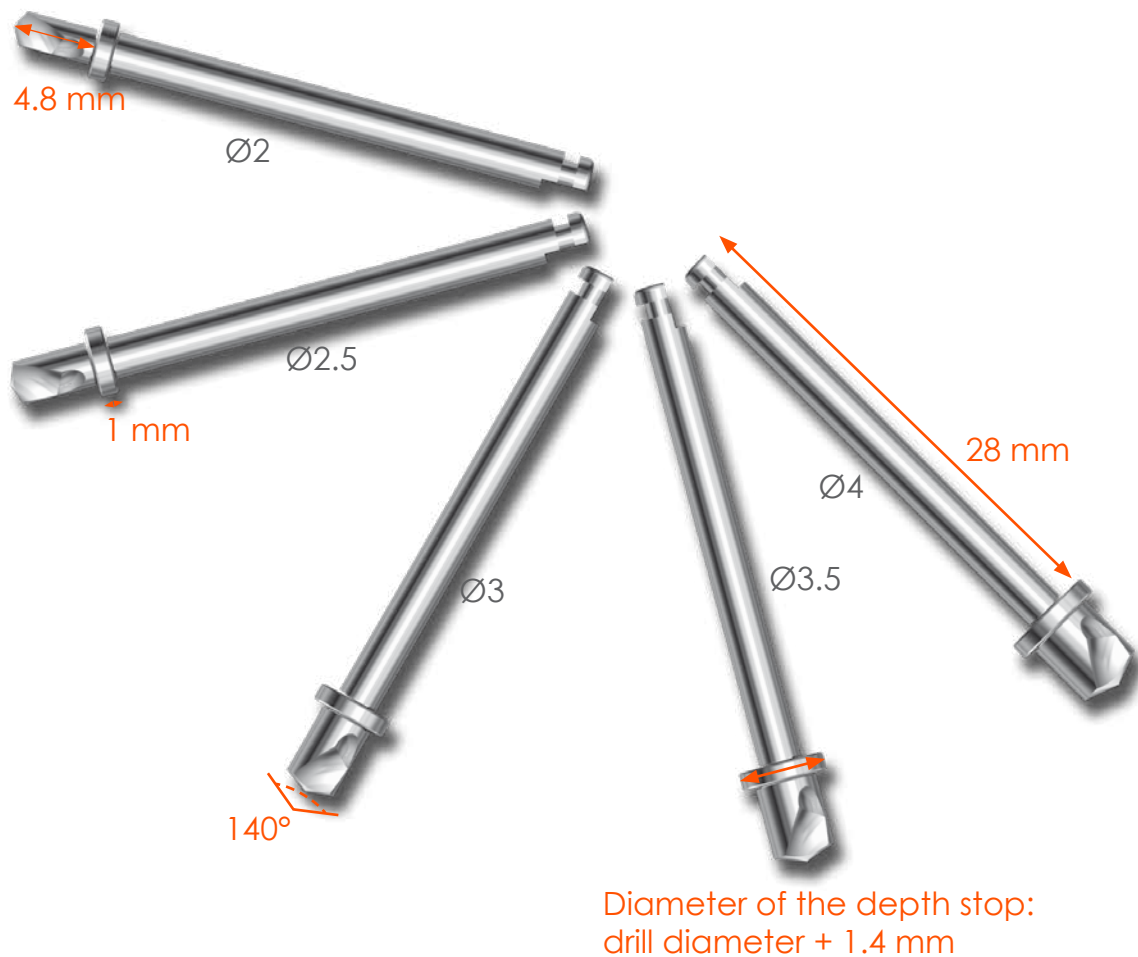
The progressive drilling sequence enables the final drilling diameter to be adapted to suit the bone density. The drills have integrated depth stops which calibrate the preparation to ensure the correct apical and coronal positioning of the collar of the implant.

The roughened area, located at the rounded shoulder of the implant, is slightly buried to promote bone crimping of the implant and the formation of a thick mucosal seal. This unique biological signature helps to preserve the residual bone mass.



## Drills with integrated depth stops

The working length of the drills is 4.8 mm. The 140° point angle minimises apical over-drilling near anatomical obstacles. The height of the mandrel part has been designed to optimise comfortable working in the mouth and to provide visibility of the area for which the twinkon® 4 is indicated.



# twinkon® 4















## Surgical kit

### Contents







Ref. DKITTWK4



1	Torque wrench* (*) Wrench manufactured by Josef Ganter GmbH		DCDYN-70D
2	Counter-torque wrench		DCCTCE
3	Parallelism indicators (x2)		DIP2-2.5
4	Drill Ø 2 mm		DFTW20L48
	Drill Ø 2.5 mm		DFTW25L48
	Drill Ø 3 mm		DFTW30L48
	Drill Ø 3.5 mm		DFTW35L48
	Drill Ø 4 mm		DFTW40L48
5	Manual implant driver		DCPIMCE
6	Short manual implant driver		DCPIMCEC
7	Contra-angle implant driver		DCPICACE
8	Short contra-angle manual implant driver		DCPICACEC
9	1.2 mm long manual hex screwdriver		DCM1.2L
10	0.9 mm manual hex screwdriver		DCM0.9
11	Empty space for prosthetic instruments		

## Options

Conical abutment extractor Ø 5.4 mm		DPEPCCE
Abutment and conical abutment extractor Ø 4.3 mm		DEMCE
Manual conical abutment activator Ø 4.3 mm		DAMPCTWK4.3
Drill extension		DPROL

# twin<sup>kon</sup>® 4

## Surgical kit

### Drilling protocol



	1	2	3	4	5
Ref.	Drill Ø 2 mm DFTW20L48	Drill Ø 2.5 mm DFTW25L48	Drill Ø 3 mm DFTW30L48	Drill Ø 3.5 mm DFTW35L48	Drill Ø 4 mm DFTW40L48
Ø4L4	■	■	D3/D4	D1/D2	
Ø4.5L4	■	■	■	D3/D4	D1/D2

#### Recommendations

- Strictly comply with the indicated drilling speeds.
- While drilling, stabilize the contra-angle head using the index finger of the other hand to maintain the working axis.
- Use water and aspiration to effectively remove bone residue after each drilling action and avoid excessive heat build-up.



### Pre-mounted implant holder\*

twinkon® 4 implants are fitted with a pre-mounted implant holder in order to maintain the **integrity of the connection** when the implant is screwed into the bone. Once the implant is in place, the implant holder is also used to confirm **that the emergence axis matches the prosthetic lane** of the future restoration.



### Counter-torque wrench

Once the implant has been inserted in the axis of the prosthesis, the implant holder is removed using the counter-torque wrench. This wrench enables the assembly to be dismantled under optimum conditions, without damaging the primary anchorage of the implant (use the straight or the angled end, depending on the clinical situation).

(\*) The implant holder only allows to pre-visualize the prosthetic emergence of the future abutment. Do not use it as a temporary abutment.

# GRAFTEK

## osteosynthesis screw

Global D has a range of screws for pre-implant surgery.

### Characteristics:

- Self-drilling thread
- Colour code for identification of the diameter
- Intuitive grip
- Good stability when being screwed in

### Range:

- Self-drilling screws indicated for the application of bone grafts and fixation of membranes and for surgery with immediate loading or with the use of short implants.
- Self-drilling compressions screws indicated for the application of bone grafts.

Details of the entire range, together with the associated ancillaries, can be found in the Graftek catalogue.





# Biomaterials

## BIOBANK



BIOBank is a French tissue bank authorised by the ANSM (French National Agency for the Safety of Medicines and Health Products) for the storage, transformation and distribution of bone grafts.

BIOBank grafts are from human femoral heads (allografts) taken exclusively from living donors during hip arthroplasty. All donations are taken in France by orthopaedic surgeons. The femoral heads are transformed into virally inactivated and sterile bone grafts by means of the patented Supercrit® process, an exclusive technology based on the use of supercritical CO<sub>2</sub>. This process has been granted “process/products” authorisation by the ANSM.



### Cancellous bone powder «S» in SYRINGE

- 90035 - Cancellous bone powder «S» 0.5mm - 0.5 cc syringe
- 90036 - Cancellous bone powder «S» 0.5mm - 1 cc syringe
- 90037 - Cancellous bone powder «S» 0.5 mm - 2 cc syringe



### Cancellous bone powder «S» in BOTTLE

- 90031 - Cancellous bone powder «S» 0.5 mm - 0.5 cc bottle
- 90032 - Cancellous bone powder «S» 0.5 mm - 2 cc bottle
- 90033 - Cancellous bone powder «S» 0.5 mm - 2 cc bottle
- 90034 - Cancellous bone powder «S» 0.5 mm - 4 cc bottle



### Cancellous bone powder «L» in BOTTLE

- 90041 - Cancellous bone powder «L» 1 mm - 0.5 cc bottle
- 90042 - Cancellous bone powder «L» 1 mm - 1 cc bottle
- 90043 - Cancellous bone powder «L» 1 mm - 2 cc bottle
- 90044 - Cancellous bone powder «L» 1 mm - 4 cc bottle



### Cortico-cancellous bone blocks

- 90065 - Cortico-cancellous bone block 15x10x4mm
- 90066 - Cortico-cancellous bone block 22x12x4mm



### Bone strips

- 90063 - Cortico-cancellous bone block 12x10 mm
- 90064 - Cortico-cancellous bone block 22x10 mm



### Cortico-cancellous bone powder - bottle

- 90051 - Cortico-cancellous bone powder «S» 0.5mm - 0.5 cc bottle
- 90052 - Cortico-cancellous bone powder «S» 0.5mm - 1 cc bottle
- 90053 - Cortico-cancellous bone powder «S» 0.5mm - 2 cc bottle
- 90054 - Cortico-cancellous bone powder «S» 0.5mm - 4 cc bottle



### Cortico-cancellous bone powder - syringe

- 90055 - Cortico-cancellous bone powder «S» 0.5mm - 0.5 cc syringe
- 90056 - Cortico-cancellous bone powder «S» 0.5mm - 1 cc syringe
- 90057 - Cortico-cancellous bone powder «S» 0.5mm - 2 cc syringe



90012 - Cancellous bone block 20x10x10mm



BG2030 - BoneGuard membrane 20x30mm



# Product references

## In-Kone® UNIVERSAL implants

DPINK3.5L8.5	In-Kone®UNIVERSAL	Implant Ø 3.5L8.5 mm
DPINK3.5L10	In-Kone®UNIVERSAL	Implant Ø 3.5L10 mm
DPINK3.5L11.5	In-Kone®UNIVERSAL	Implant Ø 3.5L11.5 mm
DPINK3.5L13	In-Kone®UNIVERSAL	Implant Ø 3.5L13 mm
DPINK3.5L15	In-Kone®UNIVERSAL	Implant Ø 3.5L15 mm
DPINK4L6	In-Kone®UNIVERSAL	Implant Ø 4L 6 mm
DPINK4L8.5	In-Kone®UNIVERSAL	Implant Ø 4L 8.5 mm
DPINK4L10	In-Kone®UNIVERSAL	Implant Ø 4L10mm
DPINK4L11.5	In-Kone®UNIVERSAL	Implant Ø 4L 11.5mm
DPINK4L13	In-Kone®UNIVERSAL	Implant Ø 4L 13mm
DPINK4L15	In-Kone®UNIVERSAL	Implant Ø 4L 15mm
DPINK4.5L6	In-Kone®UNIVERSAL	Implant Ø 4.5L6 mm
DPINK4.5L8.5	In-Kone®UNIVERSAL	Implant Ø 4.5L8.5 mm
DPINK4.5L10	In-Kone®UNIVERSAL	Implant Ø 4.5L10 mm
DPINK4.5L11.5	In-Kone®UNIVERSAL	Implant Ø 4.5L11.5 mm
DPINK4.5L13	In-Kone®UNIVERSAL	Implant Ø 4.5L13 mm
DPINK4.5L15	In-Kone®UNIVERSAL	Implant Ø 4.5L15 mm
DPINK5L6	In-Kone®UNIVERSAL	Implant, Ø 5L 6 mm
DPINK5L8.5	In-Kone®UNIVERSAL	Implant, Ø 5L 8.5 mm
DPINK5L10	In-Kone®UNIVERSAL	Implant, Ø 5L10 mm
DPINK5L11.5	In-Kone®UNIVERSAL	Implant, Ø 5L11.5 mm
DPINK5L13	In-Kone®UNIVERSAL	Implant, Ø 5L13 mm

## In-Kone® PRIMO implants

DPINKP3.5L8.5	In-Kone®PRIMO	Implant Ø 3.5L8.5 mm
DPINKP3.5L10	In-Kone®PRIMO	Implant Ø 3.5L10 mm
DPINKP3.5L11.5	In-Kone®PRIMO	Implant Ø 3.5L11.5 mm
DPINKP3.5L13	In-Kone®PRIMO	Implant Ø 3.5L13 mm
DPINKP3.5L15	In-Kone®PRIMO	Implant Ø 3.5L15 mm
DPINKP4L6	In-Kone®PRIMO	Implant Ø 4L6 mm
DPINKP4L8.5	In-Kone®PRIMO	Implant Ø 4L8.5 mm
DPINKP4L10	In-Kone®PRIMO	Implant Ø 4L10 mm
DPINKP4L11.5	In-Kone®PRIMO	Implant Ø 4L11.5 mm
DPINKP4L13	In-Kone®PRIMO	Implant Ø 4L13 mm
DPINKP4L15	In-Kone®PRIMO	Implant Ø 4L15 mm
DPINKP4.5L6	In-Kone®PRIMO	Implant Ø 4.5L6 mm
DPINKP4.5L8.5	In-Kone®PRIMO	Implant Ø 4.5L8.5 mm
DPINKP4.5L10	In-Kone®PRIMO	Implant Ø 4.5L10 mm
DPINKP4.5L11.5	In-Kone®PRIMO	Implant Ø 4.5L11.5 mm
DPINKP4.5L13	In-Kone®PRIMO	Implant Ø 4.5L13 mm
DPINKP4.5L15	In-Kone®PRIMO	Implant Ø 4.5L15 mm
DPINKP5L6	In-Kone®PRIMO	Implant Ø 5L6 mm
DPINKP5L8.5	In-Kone®PRIMO	Implant Ø 5L8.5 mm
DPINKP5L10	In-Kone®PRIMO	Implant Ø 5L10 mm
DPINKP5L11.5	In-Kone®PRIMO	Implant Ø 5L11.5 mm
DPINKP5L13	In-Kone®PRIMO	Implant Ø 5L13 mm

## 3.0 implants

DPTZ3.0L8.5	3.0 implant	Implant Ø 3 mm L 8.5 mm
DPTZ3.0L10	3.0 implant	Implant Ø 3 mm L 10 mm
DPTZ3.0L11.5	3.0 implant	Implant Ø 3 mm L 11.5 mm
DPTZ3.0L13	3.0 implant	Implant Ø 3 mm L 13 mm

## twinKon® 4 implants

DPTWKCT4L4	twinKon 4 Implant Ø 4 mm L 4 mm
DPTWKCT4.5L4	twinKon 4 Implant Ø 4.5 mm L 4 mm

## In-Kone® cover and healing screws

DVCOCI	Cover screw included in the packaging
DVCOCI2	High cover screw In-Kone® - A 1 mm
DVCOCI3	Very high cover screw In-Kone® - H2 mm
DVCICI4H1.5	Healing screw In-Kone® flat - Ø 4 mm, H 1.5 mm
DVCICI4H2.2	Healing screw In-Kone® flat - Ø 4 mm, H 2.2 mm
DVCICI4H3	Healing screw In-Kone® flat - Ø 4 mm, H 3 mm
DVCICI4H4	Healing screw In-Kone® flat - Ø 4 mm, H 4 mm
DVCICI4H5	Healing screw In-Kone® flat - Ø 4 mm, H 5 mm
DVCICI4H7	Healing screw In-Kone® flat - Ø 4 mm, H 7 mm
DVCICI5H1.5	Healing screw In-Kone® flat - Ø 5 mm, H 1.5 mm
DVCICI5H2.2	Healing screw In-Kone® flat - Ø 5 mm, H 2.2 mm
DVCICI5H3	Healing screw In-Kone® flat - Ø 5 mm, H 3 mm
DVCICI5H4	Healing screw In-Kone® flat - Ø 5 mm, H 4 mm
DVCICI5H5	Healing screw In-Kone® flat - Ø 5 mm, H 5 mm
DVCICI5H7	Healing screw In-Kone® flat - Ø 5 mm, H 7 mm
DVCICI6.5H1.5	Healing screw In-Kone® flat - Ø 6.5 mm, H 1.5 mm
DVCICI6.5H2.2	Healing screw In-Kone® flat - Ø 6.5 mm, H 2.2 mm
DVCICI6.5H3	Healing screw In-Kone® flat - Ø 6.5 mm, H 3 mm
DVCICI6.5H4	Healing screw In-Kone® flat - Ø 6.5 mm, H 4 mm
DVCICI6.5H5	Healing screw In-Kone® flat - Ø 6.5 mm, H 5 mm
DVCIHCI4H1.5	Healing screw In-Kone® tall - Ø 4 mm, H 1.5 mm
DVCIHCI4H2.2	Healing screw In-Kone® tall - Ø 4 mm, H 2.2 mm
DVCIHCI4H3	Healing screw In-Kone® tall - Ø 4 mm, H 3 mm
DVCIHCI4H4	Healing screw In-Kone® tall - Ø 4 mm, H 4 mm
DVCIHCI4H5	Healing screw In-Kone® tall - Ø 4 mm, H 5 mm
DVCIHCI4H7	Healing screw In-Kone® tall - Ø 4 mm, H 7 mm
DVCIHCI5H1.5	Healing screw In-Kone® tall - Ø 5 mm, H 1.5 mm
DVCIHCI5H2.2	Healing screw In-Kone® tall - Ø 5 mm, H 2.2 mm
DVCIHCI5H3	Healing screw In-Kone® tall - Ø 5 mm, H 3 mm
DVCIHCI5H4	Healing screw In-Kone® tall - Ø 5 mm, H 4 mm
DVCIHCI5H5	Healing screw In-Kone® tall - Ø 5 mm, H 5 mm
DVCIHCI5H7	Healing screw In-Kone® tall - Ø 5 mm, H 7 mm
DVCIHCI6.5H1.5	Healing screw In-Kone® tall - Ø 6.5 mm, H 1.5 mm
DVCIHCI6.5H2.2	Healing screw In-Kone® tall - Ø 6.5 mm, H 2.2 mm
DVCIHCI6.5H3	Healing screw In-Kone® tall - Ø 6.5 mm, H 3 mm
DVCIHCI6.5H4	Healing screw In-Kone® tall - Ø 6.5 mm, H 4 mm
DVCIHCI6.5H5	Healing screw In-Kone® tall - Ø 6.5 mm, H 5 mm

## 3.0 implant cover and healing screws

DVCOTZH0	3.0 cover screw - flat
DVCOTZH2	3.0 cover screw - tall
DVCITZ3.4H2	Healing screw 3.0 - Ø 3.4 mm, H 2 mm
DVCITZ3.4H4	Healing screw 3.0 - Ø 3.4 mm, H 4 mm
DVCITZ3.4H6	Healing screw 3.0 - Ø 3.4 mm, H 6 mm

## twinkon® 4 implant cover and healing screws

DCCTWK	TwinKon® cover cap*
DVCITWK5H2.6	Healing screw twinKon® - Ø 5 mm, H 2.6 mm
DVCITWK5H4	Healing screw twinKon® - Ø 5 mm, H 4 mm

\*included in the packaging

## Surgical kits and removable depth stops

DKITULTI-INK	Complete ULTIMATE surgical kit
DKITTZ	3.0 implant surgical kit
DKITTWK4	twinkon 4 surgical kit
DBULTIKIT	Kit of 36 depth stops
DBUMICROKIT	Kit of 12 depth stops
DBU3L6	Ultimate depth stop for drill Ø 2.5 à 2.9 mm L6
DBU3L7.5	Ultimate depth stop for drill Ø 2.5 à 2.9 mm L7.5
DBU3L8.5	Ultimate depth stop for drill Ø 2.5 à 2.9 mm L8.5
DBU3L10	Ultimate depth stop for drill Ø 2.5 à 2.9 mm L10
DBU3L11.5	Ultimate depth stop for drill Ø 2.5 à 2.9 mm L11.5
DBU3L13	Ultimate depth stop for drill Ø 2.5 à 2.9 mm L13
DBU3.5L6	In-Kone® depth stop for drill with green ring L6 mm
DBU3.5L7.5	In-Kone® depth stop for drill with green ring L7.5 mm
DBU3.5L8.5	In-Kone® depth stop for drill with green ring L8.5 mm
DBU3.5L10	In-Kone® depth stop for drill with green ring L10 mm
DBU3.5L11.5	In-Kone® depth stop for drill with green ring L11.5 mm
DBU3.5L13	In-Kone® depth stop for drill with green ring L13 mm
DBU4L6	In-Kone® depth stop for drill with yellow ring L6 mm
DBU4L7.5	In-Kone® depth stop for drill with yellow ring L7.5 mm
DBU4L8.5	In-Kone® depth stop for drill with yellow ring L8.5 mm
DBU4L10	In-Kone® depth stop for drill with yellow ring L10 mm
DBU4L11.5	In-Kone® depth stop for drill with yellow ring L11.5 mm
DBU4L13	In-Kone® depth stop for drill with yellow ring L13 mm
DBU4.5L6	In-Kone® depth stop for drill with purple ring L6 mm
DBU4.5L7.5	In-Kone® depth stop for drill with purple ring L7.5 mm
DBU4.5L8.5	In-Kone® depth stop for drill with purple ring L8.5 mm
DBU4.5L10	In-Kone® depth stop for drill with purple ring L10 mm
DBU4.5L11.5	In-Kone® depth stop for drill with purple ring L11.5 mm
DBU4.5L13	In-Kone® depth stop for drill with purple ring L13 mm
DBU5.5L6	In-Kone® depth stop for drill with blue ring L6 mm
DBU5.5L7.5	In-Kone® depth stop for drill with blue ring L7.5 mm
DBU5.5L8.5	In-Kone® depth stop for drill with blue ring L8.5 mm
DBU5.5L10	In-Kone® depth stop for drill with blue ring L10 mm

DBU5.5L11.5  
DBU5.5L13

In-Kone® depth stop for drill with blue ring L11.5 mm  
In-Kone® depth stop for drill with blue ring L13 mm

## ULTIMATE drills

DFCL-INIT  
DFCL-INIT-L  
DFU1.5-2.4C  
DFU1.5-2.4L-17  
DFKU2.7C  
DFKU2.7L-17  
DFKU2.9C  
DFKU2.9L-17  
DFKU3.2C  
DFKU3.2L-17  
DFKU3.4C  
DFKU3.4L-17  
DFKU3.7C  
DFKU3.7L-17  
DFKU3.9C  
DFKU3.9L-17  
DFKU4.2C  
DFKU4.2L-17  
DFKU4.4C  
DFKU4.4L-17  
DFKU4.7C  
DFKU4.7L-17  
DFKU4.9C  
DFKU4.9L-17

FCL-INIT INITIAL DRILL Ø 2 mm L28  
FCL-INIT L INITIAL DRILL Ø 2mm Long L28  
ULTIMATE staged drill short Ø 1.5 - 2.4 mm  
ULTIMATE staged drill long Ø 1.5 - 2.4 mm  
ULTIMATE staged drill shortØ 2.7 mm  
ULTIMATE staged drill longØ 2.7 mm  
ULTIMATE staged drill shortØ 2.9 mm  
ULTIMATE staged drill longØ 2.9 mm  
ULTIMATE staged drill shortØ 3.2 mm  
ULTIMATE staged drill longØ 3.2 mm  
ULTIMATE staged drill shortØ 3.4 mm  
ULTIMATE staged drill longØ 3.4 mm  
ULTIMATE staged drill shortØ 3.7 mm  
ULTIMATE staged drill longØ 3.7 mm  
ULTIMATE staged drill shortØ 3.9 mm  
ULTIMATE staged drill longØ 3.9 mm  
ULTIMATE staged drill shortØ 4.2 mm  
ULTIMATE staged drill longØ 4.2 mm  
ULTIMATE staged drill shortØ 4.4 mm  
ULTIMATE staged drill longØ 4.4 mm  
ULTIMATE staged drill shortØ 4.7 mm  
ULTIMATE staged drill longØ 4.7 mm  
ULTIMATE staged drill shortØ 4.9 mm  
ULTIMATE staged drill longØ 4.9 mm

## twinkon® 4 drills

DFTW20L48  
DFTW25L48  
DFTW30L48  
DFTW35L48  
DFTW40L48

twinkon 4 drillØ 2 mm  
twinkon 4 drillØ 2.5 mm  
twinkon 4 drillØ 3 mm  
twinkon 4 drillØ 3.5 mm  
twinkon 4 drillØ 4 mm

## Drivers

DCPICACI2  
DCPICACI2-L  
DCPIMCI2-1.2  
DCPIMCI2-1.2-C  
DCPIMCI2-1.2-L  
DCPICATZ  
DCPIMTZ  
DCPIMCE  
DCPIMCEC  
DCPICACE  
DCPICACEC

In-Kone® standard contra-angle implant driver  
In-Kone® long contra-angle implant driver  
In-Kone® implant driver - std+1.2 manual hex  
In-Kone® implant driver - short+1.2 manual hex  
In-Kone® implant driver - long+1.2 manual hex  
3.0 implant contra-angle implant driver  
3.0 implant manual implant driver  
twinkon manual implant driver  
twinkon manual implant driver short  
twinkon contra-angle implant driver  
twinkon contra-angle implant driver short



## Screwdrivers

DCM1.2C	Short manual hex screwdriver 1.2 mm, L9 mm
DCM1.2	Standard manual hex screwdriver 1.2 mm, L15 mm
DCM1.2L	Long manual hex screwdriver 1.2 mm, L20 mm
DCCA1.2C	Short contra-angle hex screwdriver 1.2 mm, L18 mm
DCCA1.2	Standard contra-angle hex screwdriver 1.2 mm, L26 mm
DAMTZ	3.0 Implant activator
DEMTZ	3.0 Implant extractor
DPEPCCE	twinKon 4 tapered pillar abutment extractor
DAMPCTWK4.3	Manual conical abutment activator Ø4.3

## Indicators and gauges

DJP	In-Kone® dual-use depth gauge
DAPULTI-C	ULTIMATE parallelism and depth indicator
DIA-ULTI	ULTIMATE 7, 8 and 9 mm spacing indicator
DIP2-2.5	twinKon 4 parallelism indicator

## Other instruments

DCCLIC2	Ratchet wrench
DCDYN-70D	70 N.cm UNIVERSAL disengageable torque wrench
DPROL	UNIVERSAL extensor
DCCTCE	twinKon® Classic torque wrench
DPEPCCE	twinKon® conical abutment extractor
DFRCTZ3.4	3.0 implant cortical burr Ø 3.4 mm
DFRCINK4	In-Kone® implant cortical burr Ø4 mm
DFRCINK5	In-Kone® implant cortical burr Ø5 mm
DFRCINK6.5	In-Kone® implant cortical burr Ø6.5 mm
DEMCE	Abutment and conical abutment extractor Ø 4.3 mm

For the attention of users

Please follow the instructions for use enclosed with the device. Global D shall not be liable for any failure to comply with its recommendations.

The system of restorations supported on In-Kone®, twinKon and 3.0 implants must only be used by practitioners who have been trained in implant surgery and prosthetic restoration on implants.

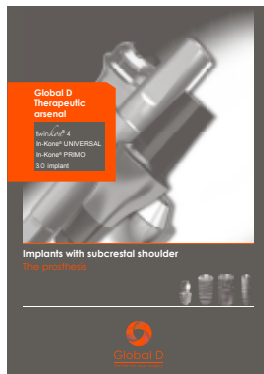
The functionality of the system is only guaranteed if all parts used are original manufactured parts. Any non-certified “copy” from a manufacturer other than Global D invalidates the right to make any claim in the event of any malfunction of the system.

The user must check thoroughly that new or re-used components are in good condition before inserting them in the mouth.

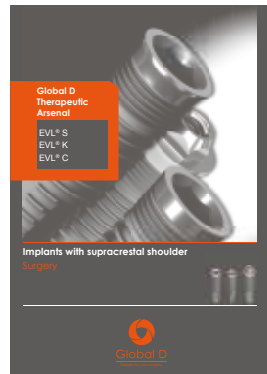
The user is responsible for checking that the ancillary equipment operates correctly before each surgery. It is the user's responsibility to maintain and sterilise all equipment in accordance with the manufacturer's instructions for use and the applicable regulations.

The user is also responsible for replacing re-usable instruments considered to be defective or unsuitable for correct use of the equipment.

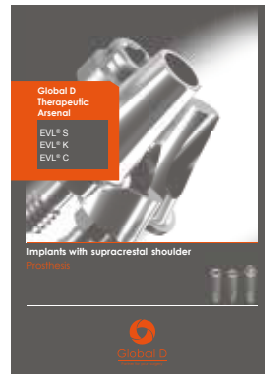
# Global D Therapeutic arsenal



Implants with  
subcrestal shoulder  
The prosthesis



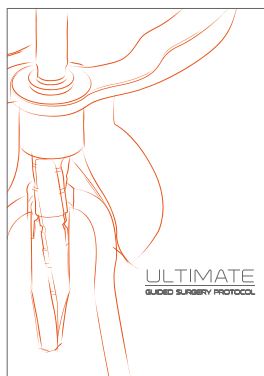
Implants with  
supracrestal shoulder  
Surgery



Implants with  
subcrestal shoulder  
The prosthesis



twinkle®  
Biological signature



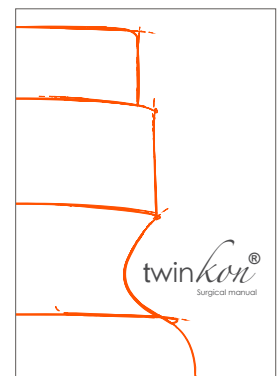
Ultimate  
Guided surgery protocol



In-Kone®  
Surgery manual



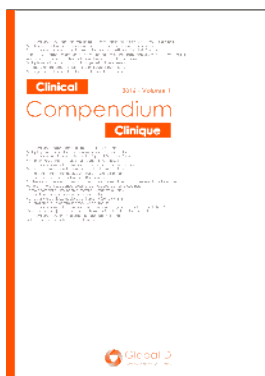
twinkle® 4  
Surgery manual



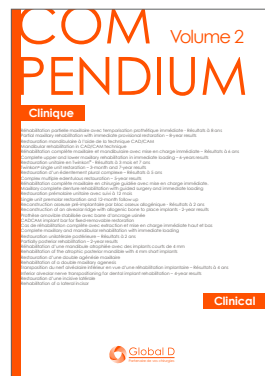
twinkle®  
Surgery manual



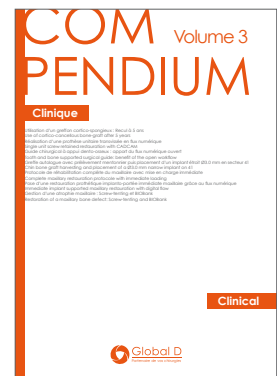
Digital Solutions



Compendium Vol.1



Compendium Vol.2



Compendium Vol.3

## Fields of application

Implantology  
Oral surgery  
Pre-implant surgery  
Orthognathic surgery  
Reconstructive surgery  
Facial trauma surgery  
Cancer surgery  
Craniomaxillofacial surgery  
Orthodontics  
Training



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