



BIOTECH DENTAL KONTACT

BIOTECH DENTAL KONTACT S



SURGERY





BIOTECH DENTAL GROUP, 2.0 DENTAL OFFICE PARTNER.

Since its creation in 1987, Biotech Dental has been committed to building a trusting and lasting relationship with dental surgeons and dental technicians. Together we design and develop a range of product that is continually more adapted to the challenges of the future.

We have positioned ourselves at the crossroads of our customers' expectations, innovation and technology. Giving dentists the ability to suggest the best products at the best price to their patients is Biotech Dental's first objective.

With more than a million dental implants sold, we have improved the lives of thousands of patients worldwide thanks to all the dental surgeons who trust us. Driven by our expertise and know-how, we have chosen to be pioneers of this development through innovative technologies.

In recent years, we have integrated new skills, invested over 10 % of our turnover in research and development to be able to develop and propose solutions on the cutting edge of innovation. Biotech Dental is a privileged partner for dental practitioners. Our wide range of products and services provides an added value to answer all their patient's needs.

Make excellence and innovation affordable is an integral part of Biotech Dental vision. All our services and products enhance the dental office 2.0.

Philippe VÉRAN
President

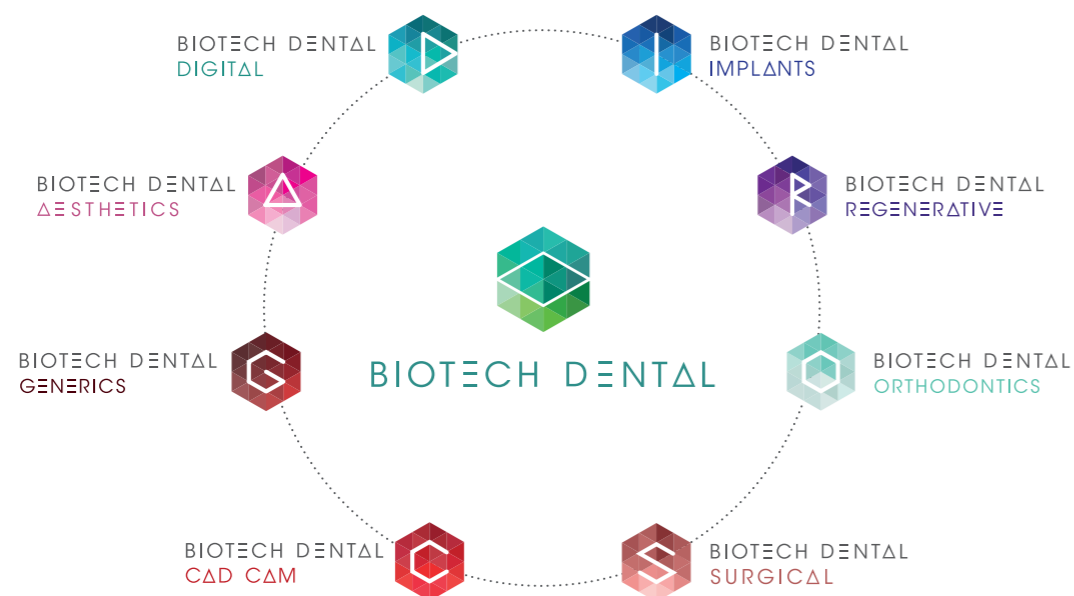


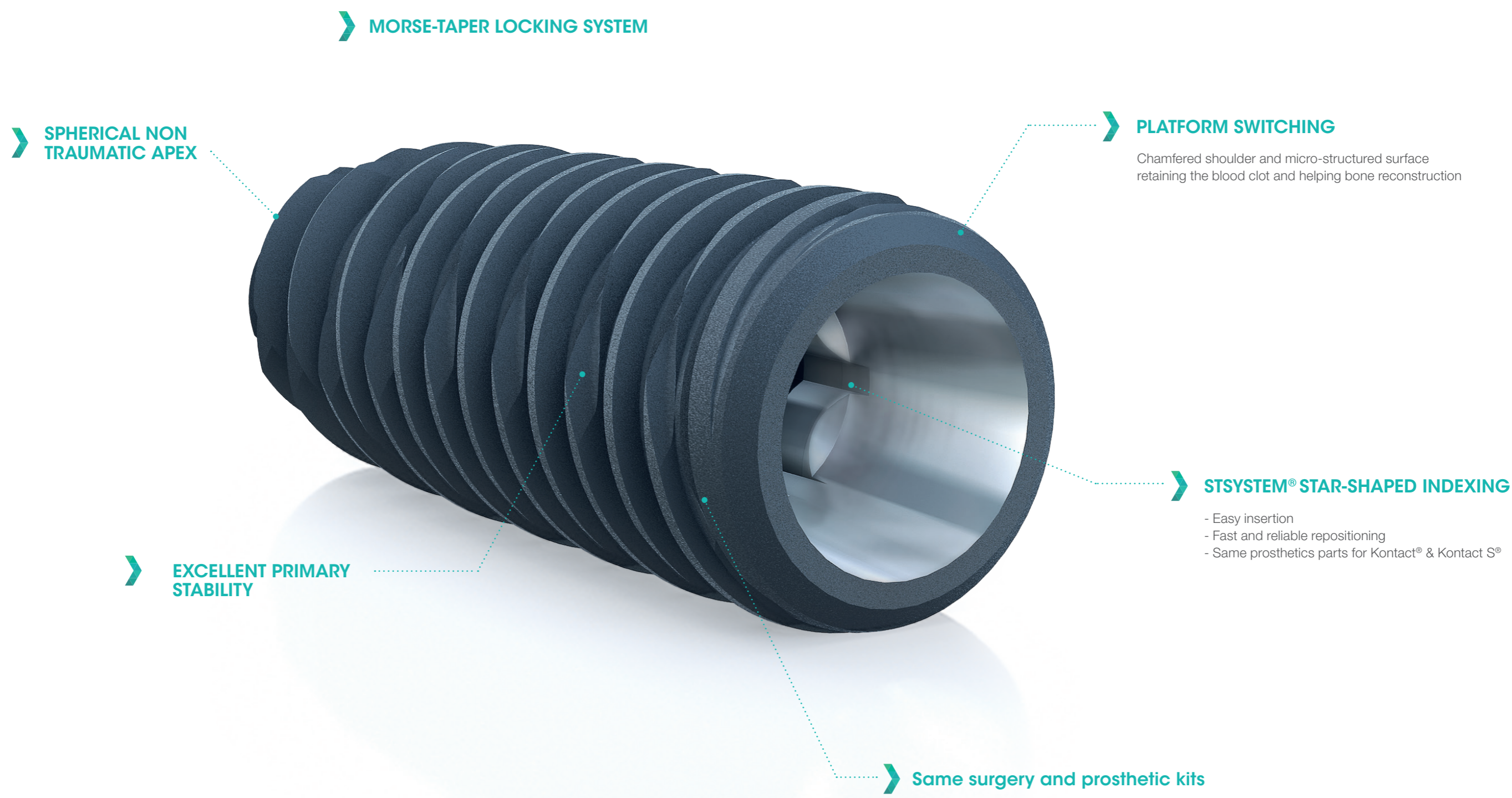
TABLE OF CONTENTS

- Kontakt® Implant characteristics p.06
- Kontakt S® Implant characteristics p.07
- Six-Three System® connection p.08
- Special Ø 3 mm p.10
- Abutment / implant interface study p.11
- Kontakt® surface treatment p.12
- Kontakt S® surface treatment p.13
- Implant packaging p.14
- Kontakt® implants references p.15
- Kontakt S® implants references p.16
- Surgical kit p.17
- Instruments p.18
- Drill bit for implant removal p.21
- Drilling Protocol p.22
- Full removable stops kit p.24
- Gauge for paro tissue / Healing screws p.25
- Osteosynthesis kit Fix' In p.27
- Guided surgery kit AtlaSurgery p.29

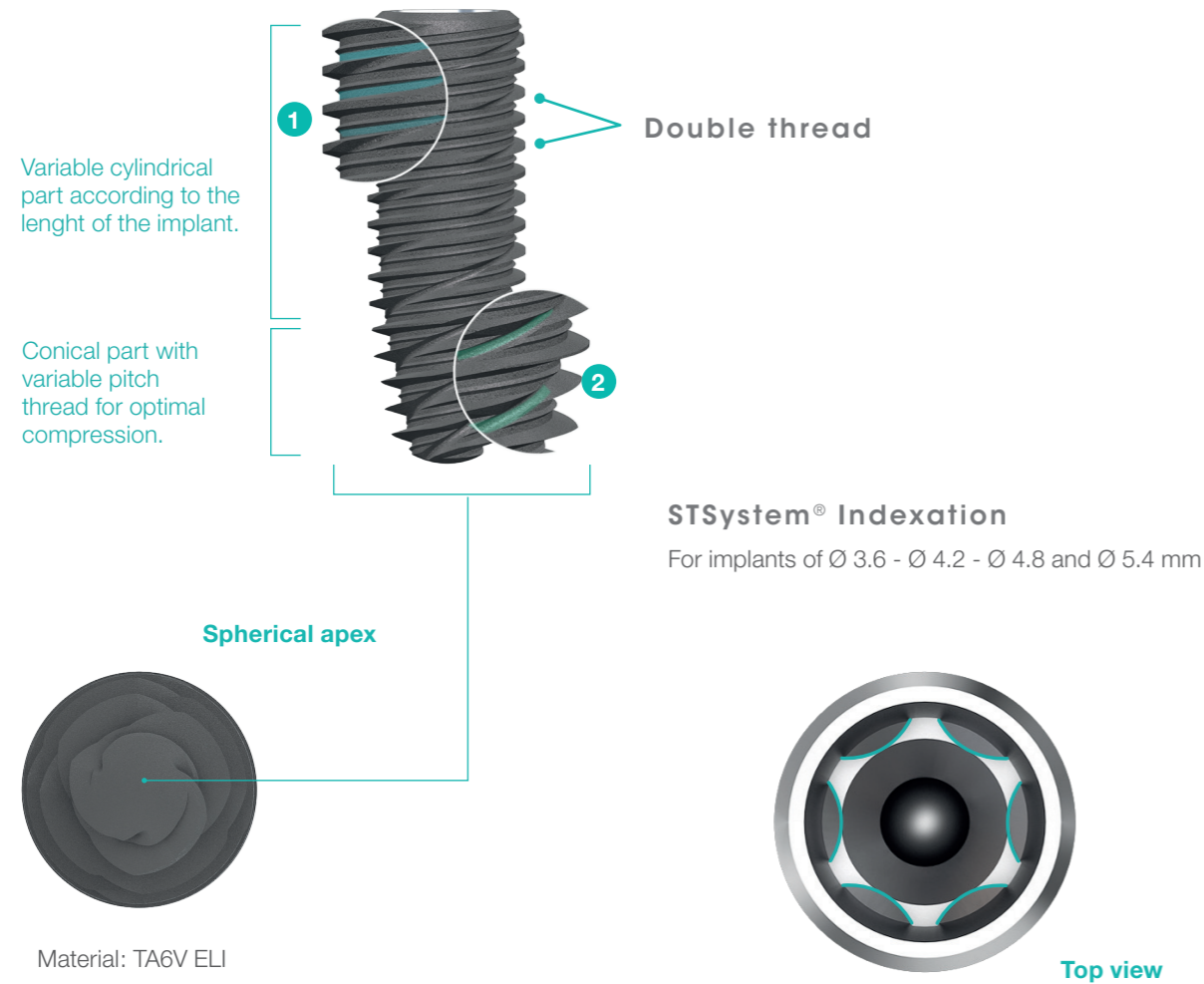
- General information p.35



KONTACT® & KONTACT S® IMPLANTS



KONTACT® IMPLANT CHARACTERISTICS



- 1 Surface Inserter:**
Secondary thread increasing the surface area and improving the distribution of forces to the surrounding bone.
- 2 Constant Leaf:**
Continuous cutting blades along the implant optimising the force and the stability of insertion into the bone.

KONTACT® IMPLANT CHARACTERISTICS

- Most clinical indications,
- Dental agenesis,
- Immediate post-extraction implant placement, with or without bone regeneration.

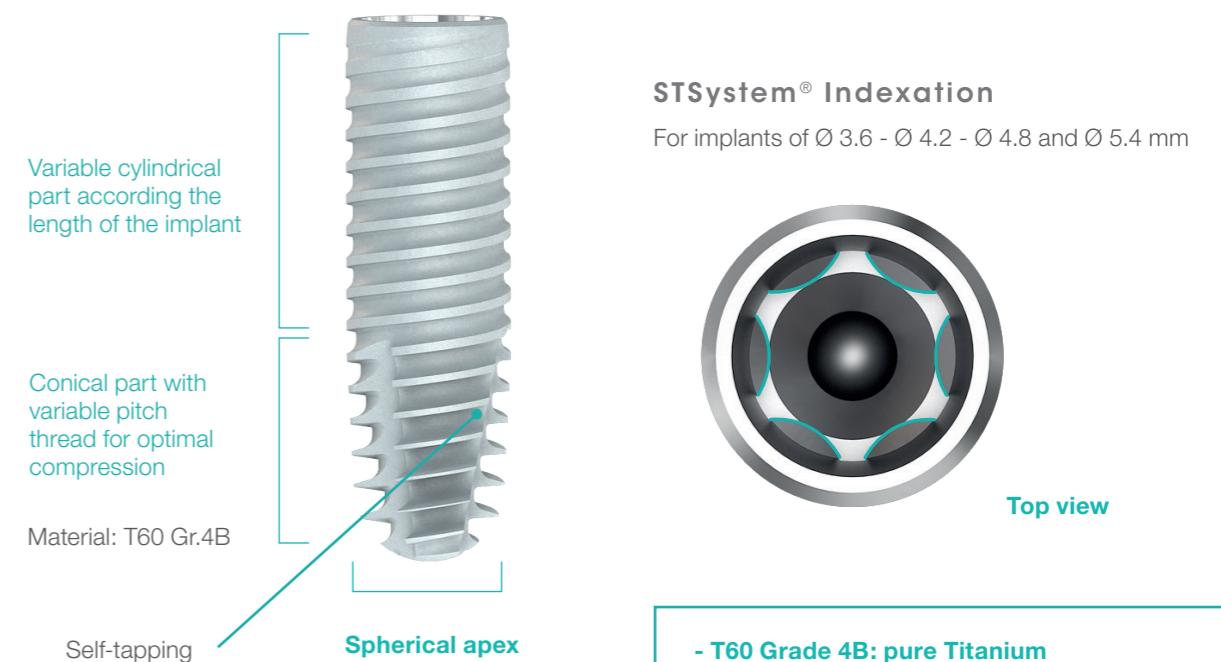
KONTACTS® IMPLANT CHARACTERISTICS

The Kontakt S® was born from a change in the thread design and Titanium Grade of the Kontakt® implant in accordance with the existing range philosophy.

The new thread combined with a Titanium grade 4 (submitted to a sand blasted and acid etched treatment coating) gives better resistance and biocompatibility properties, along with smooth and steady insertion into the bone.

The Kontakt S® is a softened clinical alternative with a high added value in a neoformed bone following guided bone regenerations, or with bone of hard density:

- Easy insertion for all clinical situations,
- Primary stability maximisation,
- Occlusal forces repartition optimisation.



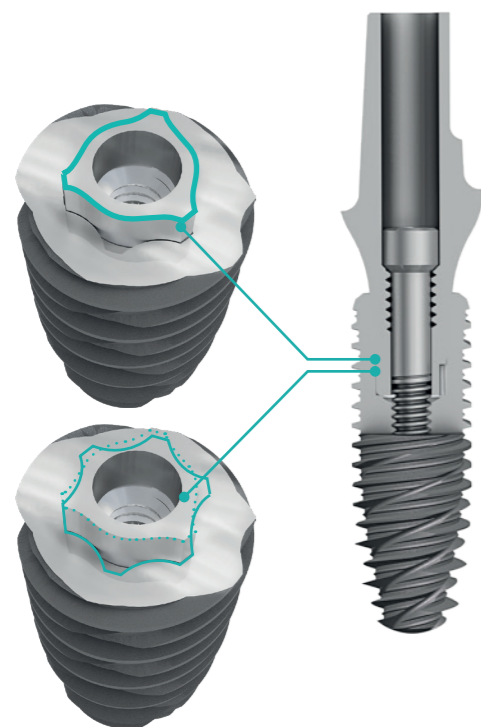
- T60 Grade 4B: pure Titanium
- Sand-blasted and etched surface treatment
- Patented STS® connection
- Drilling comfort
- Same prosthetic kits and prosthetic components as Kontakt® implant

KONTACTS® IMPLANT CHARACTERISTICS

- Most clinical indications,
- Sinus lifts,
- Regenerated bone sites,
- Bone of high density D1/D2.

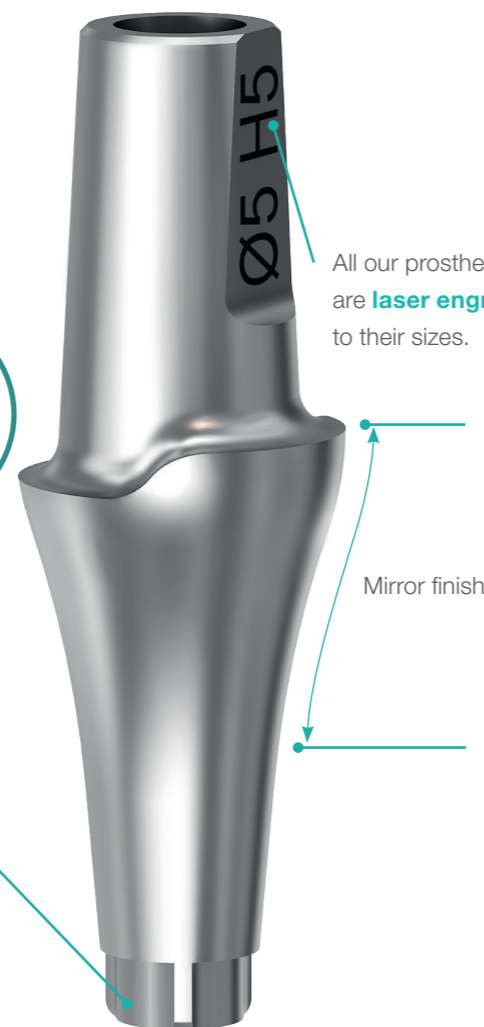
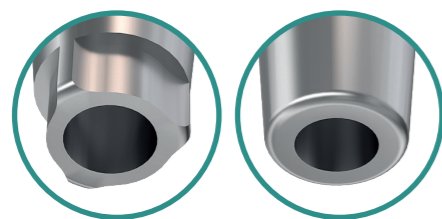
SIX-THREE SYSTEM® CONNECTION

Same connection for Kontakt® and Kontakt S®



Resistant assembly
Tight sealed connection
Easy to insert
Fast & reliable to reposition

Abutments exist in **indexed** and **non-indexed** version.



All our prosthetic components are **laser engraved** according to their sizes.

Mirror finish

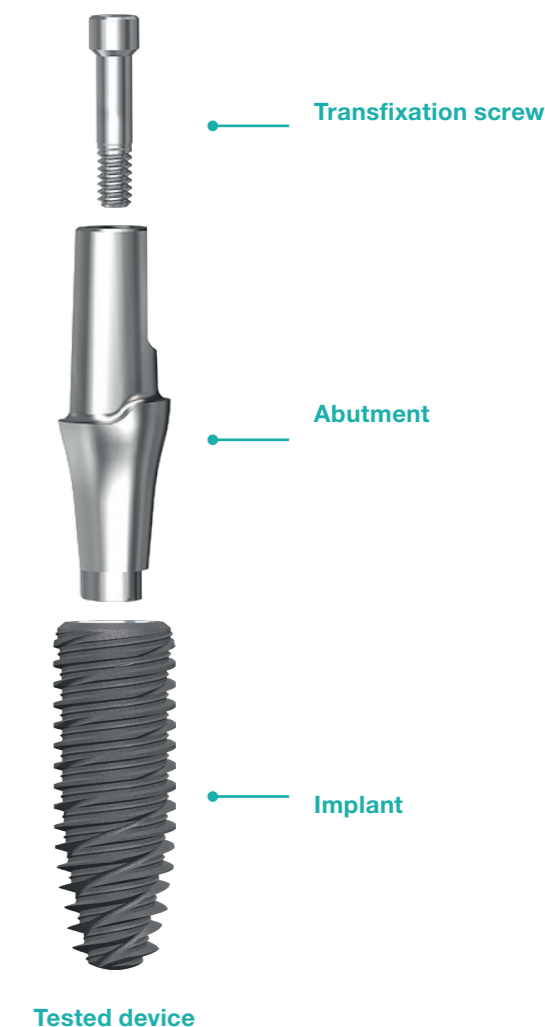
SIX-THREE SYSTEM® CONNECTION

The Kontakt® range* has a **Morse-taper** locking system. This system stabilizes the implant-abutment connection and offers remarkable and recognized mechanical and physiological advantages:

- **Strong resistance to stretching and torsion: the parts are perfectly interlocked,**
- **No deforming or breaking movement of the screw.**

Preclinical study

A study, for Kontakt® implant, aimed at appraising the quality of the sealed connection between the prothetic stage and the implant has enabled to highlight the reliability of our system. It has demonstrated that our mounting system met all required tight sealed criteria (*Study N° 29J of 30/12/2013*).



Platform switching

The principle of platform switching is the use of **under dimensioned (diameter) prosthetics connections compared to the implant neck diameter. This improves the bone crest preservation** and leads to controlled biological **space reposition**. This favours bone stability (by restricting peri-implant bone resorption) and the **aesthetic outcome**.



The Kontakt® range **provides excellent tissue preservation**. The combination of a Morse-taper connection and the principle of platform switching guarantees a perfectly **tight connection against microbial growth** and a completely **stable, reliable, and durable screw-abutment-implant structure**.

*The Kontakt® range includes Kontakt® and Kontakt S® implants.



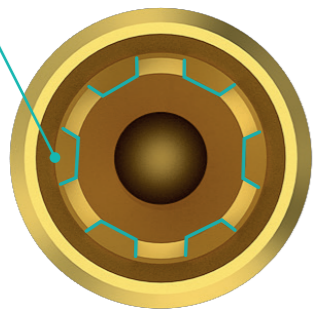
SPECIAL Ø 3 mm

Only for single-cement-retained rehabilitation

Implant characteristics

Diameter 3 mm

Indexing 6 faces by fluted impressions for 3 mm diameter implant.



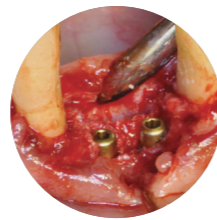
3 mm diameter implants are designed for small spaces in the incisor and canine area, for single cement-retained prothesis only.

View of the analog connection

All parts relating to diameter 3 mm implant are identifiable by yellow dotted lines.

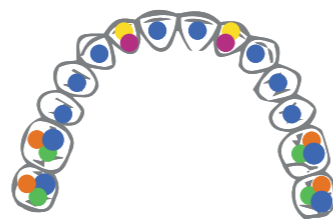


NOTE: For Ø 3 mm implants, a short cover screw (ref. K30VRC) is delivered as standard equipment. The high cover screw (ref. K30VRCE) is available on demand (free of charge). These screws are yellow.

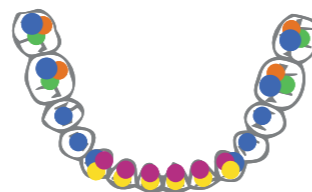


In order to avoid blocking the screws into the implant, thoroughly clean the inside to eliminate the blood.

Recommendation of implant diameter

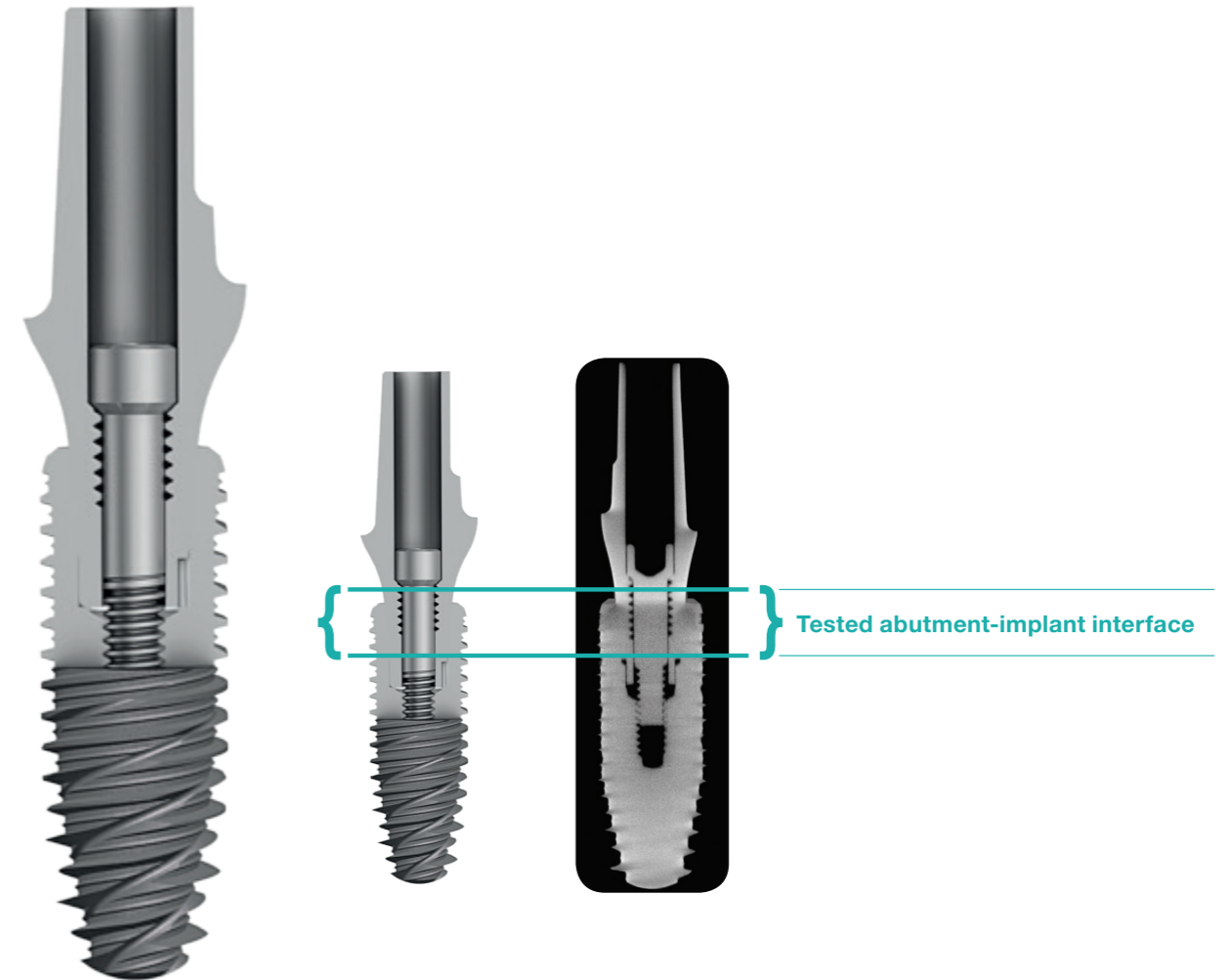


● Ø 3 mm

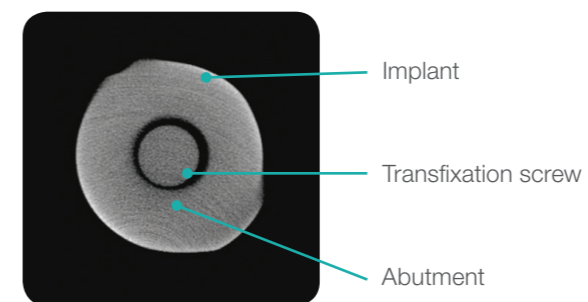


ABUTMENT / IMPLANT INTERFACE STUDY

Same connection for Kontakt® and Kontakt S®



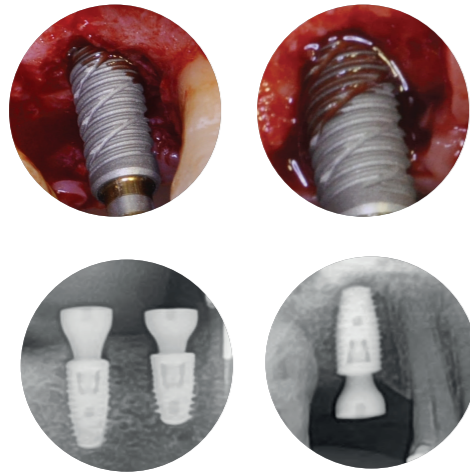
Assembled device



Perfect junction around the entire periphery.

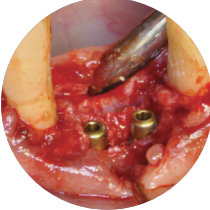
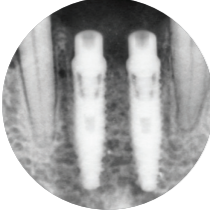
KONTACT® SURFACE TREATMENT

The Kontakt® implant has a **passivated and acid etched surface** promoting quality cell growth and adhesion. It improves the contact between the implant and the bone. Osseointegration is optimized compared to an untreated implant.



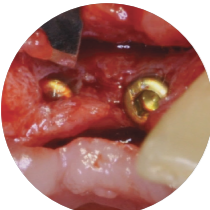
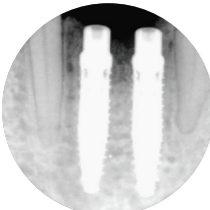
Hydrophilicity and wettability promoting bone regrowth outside the cervical part of the implant.

Sandblasted passivated surface for optimal bone apposition to the interface.

A

**Implant insertion day:
buried implants and 2 mm
cover screw.**

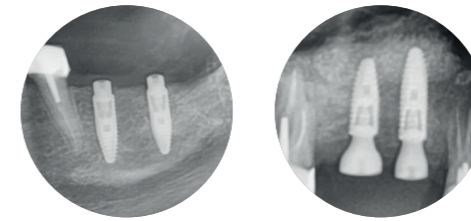



B

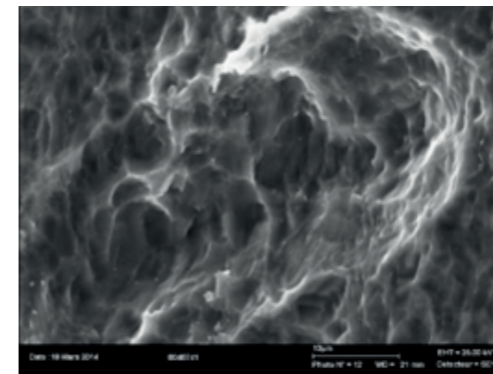
**Loading: bone regrowth
around the implants, cover
screw partially covered with
healing bone.**

KONTACT S® SURFACE TREATMENT

Kontakt S® implant is in grade 4 Titanium with sand-blasted and acid-etched surface treatment.



Sandblasted passivated and acid etched surface for optimal bone apposition.

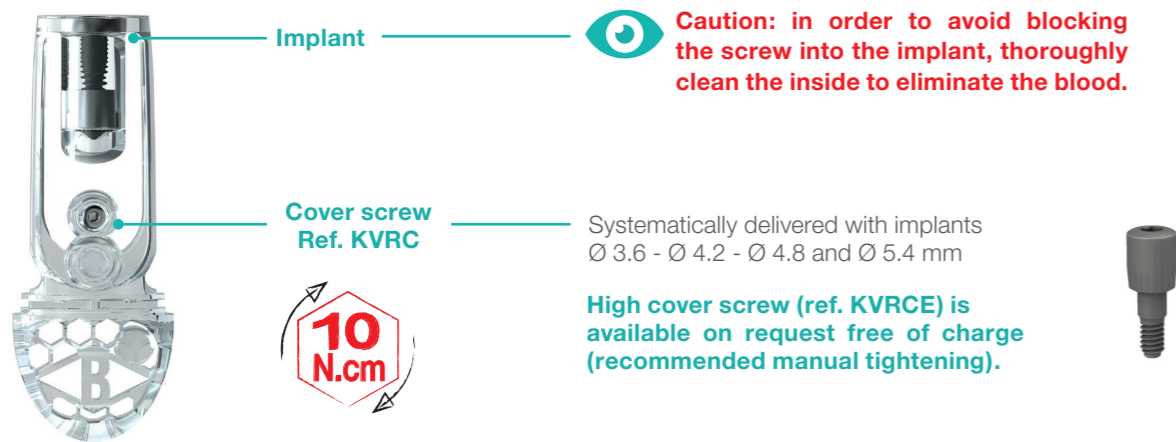


Surface Treatment View x 2000



IMPLANT PACKAGING

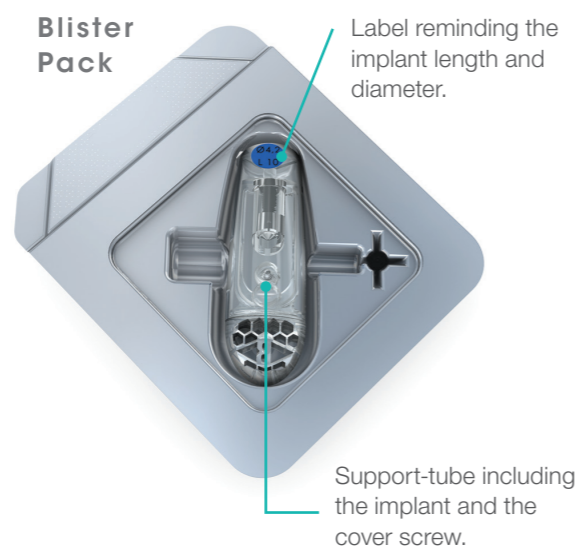
Contact® and Contact S® implants are supplied in an elegant and practical support-tube. The healing screw is systematically delivered with the implant.



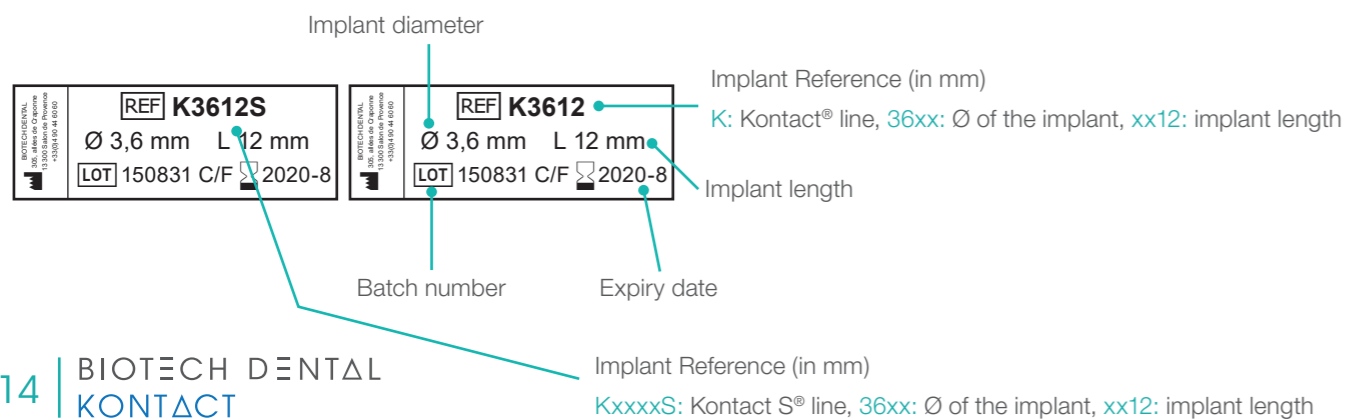
Packaging



Blister Pack



Label

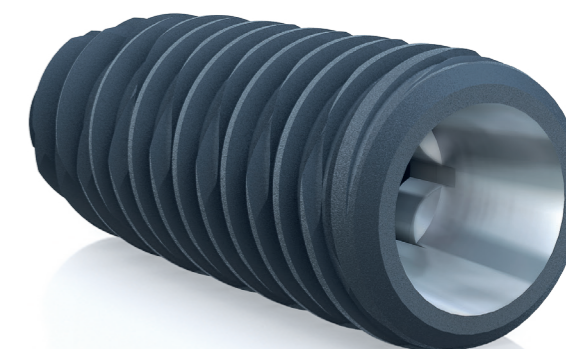
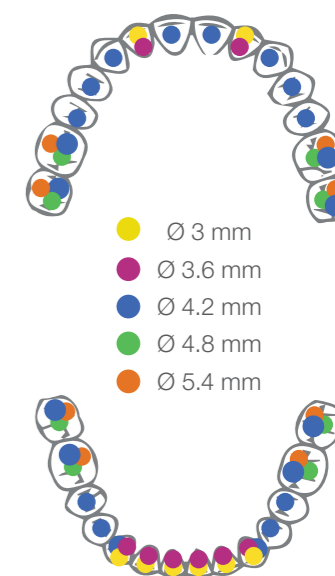


KONTACT® IMPLANTS REFERENCES

References	Diameter	Length
K30-10	Ø 3 mm	10 mm
K30-12		12 mm
K30-14		14 mm
K3608	Ø 3.6 mm	8 mm
K3610		10 mm
K3612		12 mm
K3614		14 mm
K3616*		16 mm
K4206	Ø 4.2 mm	6 mm
K4208		8 mm
K4210		10 mm
K4212		12 mm
K4214		14 mm
K4216*		16 mm
K4806	Ø 4.8 mm	6 mm
K4808		8 mm
K4810		10 mm
K4812		12 mm
K4814	14 mm	
K5406	Ø 5.4 mm	6 mm
K5408		8 mm
K5410		10 mm
K5412		12 mm
K5414		14 mm

* 16 mm step drills and reamer drills are not delivered with surgical kit but available on request.

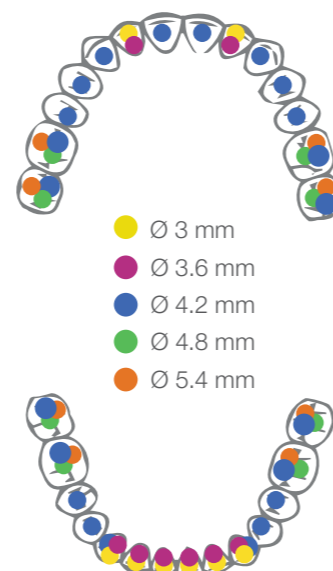
Recommendation of implants diameters



KONTACT S® IMPLANTS REFERENCES

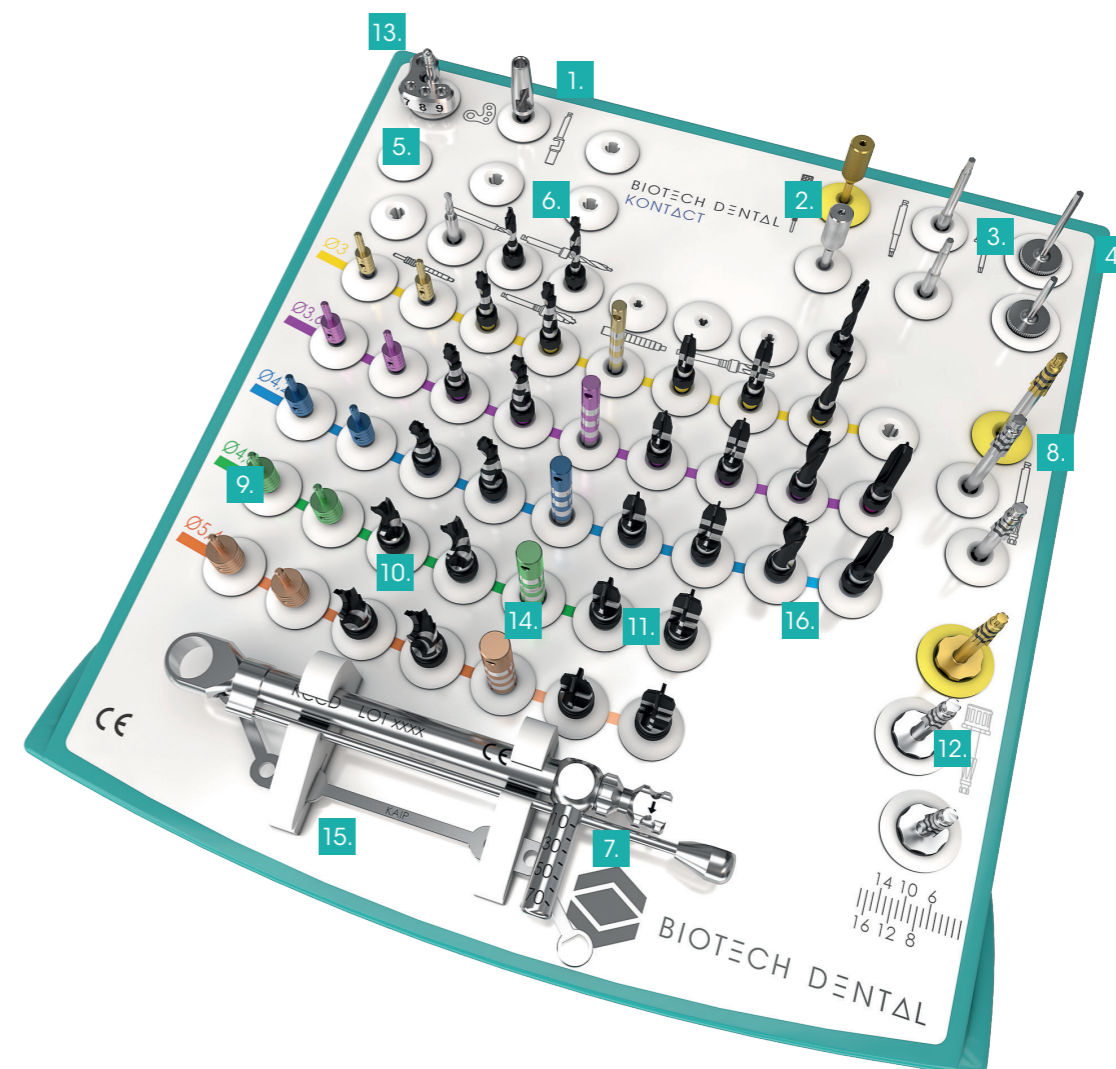
	Reference	Diameter	Length
	K3010S	Ø 3 mm	10 mm
	K3012S		12 mm
	K3014S		14 mm
	K3608S	Ø 3.6 mm	8 mm
	K3610S		10 mm
	K3612S		12 mm
	K3614S		14 mm
	K3616S		16 mm
	K4206S	Ø 4.2 mm	6 mm
	K4208S		8 mm
	K4210S		10 mm
	K4212S		12 mm
	K4214S		14 mm
	K4216S		16 mm
	K4806S	Ø 4.8 mm	6 mm
	K4808S		8 mm
	K4810S		10 mm
	K4812S		12 mm
	K4814S	Ø 5.4 mm	14 mm
	K5406S		6 mm
	K5408S		8 mm
	K5410S		10 mm
	K5412S		12 mm
K5414S	14 mm		

Recommendation of implants diameters



* 16 mm step drills and reamer drills are not delivered with surgical kit but available on request.

SURGICAL KIT




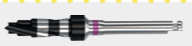
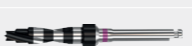












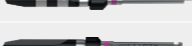







1. Drill extension
2. Drill bit for implant removal
3. Contra-angle screwdriver
4. Manual screwdriver / Torque wrench key
5. Marking drill Ø 1.5 mm
6. Pilot drills Ø 2 mm
7. Torque wrench key surgery
8. Implant mountdrivers for contra-angle
9. Axial gauges
10. Step drills
11. Reamer drills
12. Implant mountdrivers

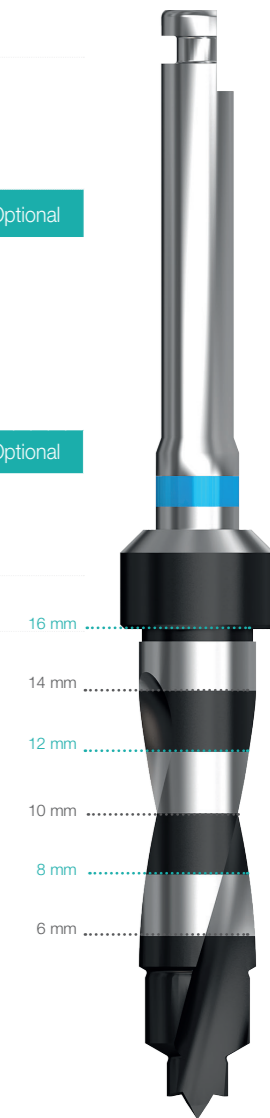
Optional

13. Spacer parallelizer
14. Drilling depth gauges terminal
15. Placement key for Iso-Post
16. Step drills and reamer drills for implant 16 mm (optional)


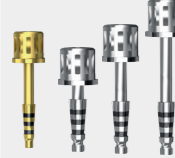










	Reference	Designation	Diameter	Length	
	ESP	Spacer parallelizer			Optional
	K30EX	Abutments extractor	Ø 3 mm	Long	Optional
	K30EXL				
	KEX	Abutments extractor	All Ø		Optional
	KEXL				
	1034	Countersink cutter	Ø 1.9 mm		Optional
	1001SI	Marking drill	Ø 1.5 mm		
	KFT	Marking drills trocar tip		Short	Optional
	KFTL			Long	Optional
	KFE20	Pilot drills	Ø 2 mm	Short	
	KFE20L			Long	
	KFE2016			16 mm	Optional
	KJA30	Axial gauges	Ø 3 mm		
	KJA36		Ø 3.6 mm		
	KJA42		Ø 4.2 mm		
	KJA48		Ø 4.8 mm		
	KJA54		Ø 5.4 mm		

	Reference	Designation	Diameter	Length	Color	
	KFE30	Steps drills	Ø 3 mm	Short	Yellow	
	KFE30L			Long		
	KFE3016*			16 mm		Optional
	KFE36	Steps drills	Ø 3.6 mm	Short	Magenta	
	KFE36L			Long		
	KFE3616*			16 mm		Optional
	KFE42	Steps drills	Ø 4.2 mm	Short	Blue	
	KFE42L			Long		
	KFE4216*			16 mm		Optional
	KFE48	Steps drills	Ø 4.8 mm	Short	Green	
	KFE48L			Long		
	KFE54	Steps drills	Ø 5.4 mm	Short	Orange	
	KFE54L			Long		
	KF36	Reamer drills	Ø 3.6 mm	Short	Magenta	Optional
	KF36L			Long		
	KF3616*			16 mm		
	KF42	Reamer drills	Ø 4.2 mm	Short	Blue	
	KF42L			Long		
	KF4216*			16 mm		Optional
	KF48	Reamer drills	Ø 4.8 mm	Short	Green	
	KF48L			Long		
	KF54	Reamer drills	Ø 5.4 mm	Short	Orange	16 mm
	KF54L			Long		

* 16 mm step drills and reamer drills are not included in the surgical kit (available as an option).



INSTRUMENTS






	Reference	Designation	Implant Diameter	Length	
	K30MPICA	Implant mountdriver for contra-angle	Ø 3 mm	Short	
	KMPICAC				
	KMPICAL				
	KMPICAXL				
	K30MPI	Implant mountdriver	Ø 3 mm	Short	
	KMPIC				
	KMPIL				
	KMPIXL				
	TCAS	Contra-angle screwdrivers		Short	Optional
	TCA			Standard	
	TCAL			Long	
	1028	Drill extension			
	1032S	Manual screwdrivers		Short	Optional
	1032			Standard	
	1032L			Long	
	KAIP	Placement key for Iso-Post			Optional
	KCCD	Torque wrench key surgery			
	KCCDL	Long torque wrench key surgery			
	KJP30	Drilling depth gauge terminal	Ø 3 mm		Optional
	KJP36				
	KJP42				
	KJP48				
	KJP54				
	MV000	Universal mountdriver			
	KMPIMAM-C	Short implant mountdriver for grinding handle			
	KMPIMAM-L	Long implant mountdriver for grinding handle			
	K30MPIMAM-C	Short implant mountdriver Ø 3 mm for grinding handle			

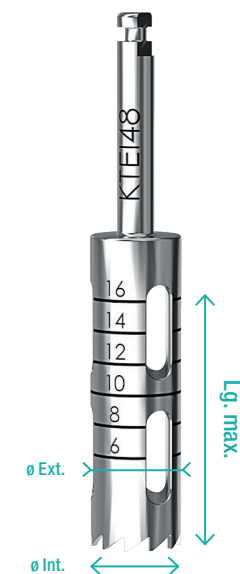
DRILL BIT FOR IMPLANT REMOVAL

Implant removal requires an extraction drill bit.




A diametric drill bit is available for Kontakt® implant and Kontakt S® implant.

Recommendations for use: 500 to 800 rpm with irrigation.

	Reference	Designation	ø Interior	ø Exterior	Max internal Lg.
	KTEI30		3.4	4	18
	KTEI36		4	4.6	
	KTEI42	Drill bit for implant removal	4.6	5.2	
	KTEI48		5.2	5.	
	KTEI54		5.8	6.4	



CORTICAL DRILLS

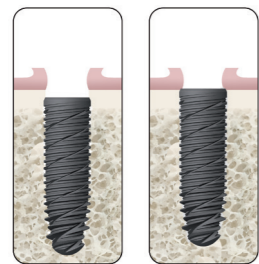
	Reference	Designation	Diameter	
	KFC30	Cortical drill for healing screw	Ø 3 mm	Available soon
	KFC4-5	Standard cortical drill for healing screw	Ø 4 mm - Ø 5 mm	
	KFC65		Ø 6.5 mm	

Recommendations for use: 200 rpm.

Cortical drill for healing screw and abutment.

The cortical drill allows to remove, if necessary, excess of supra-implant cortical bone.

DRILLING PROTOCOL



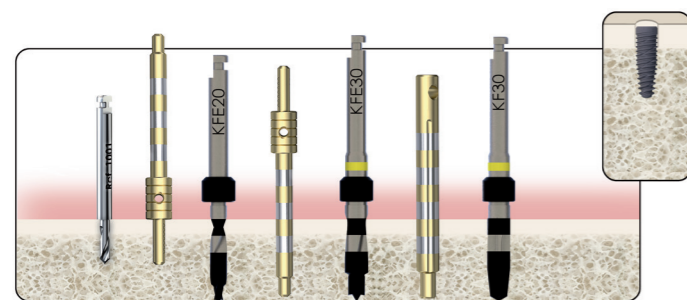
1.

2.

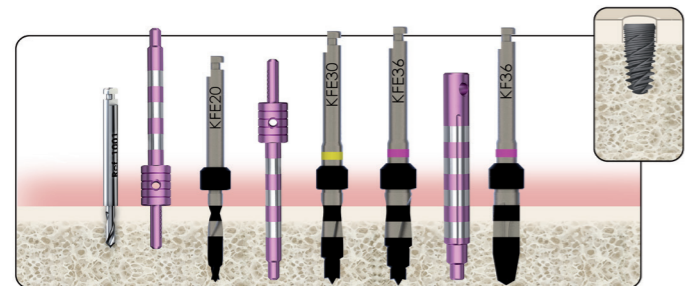
1. Implant can be buried by 2 mm in order to facilitate bone regrowth over the implant.

2. Crestal implant position.

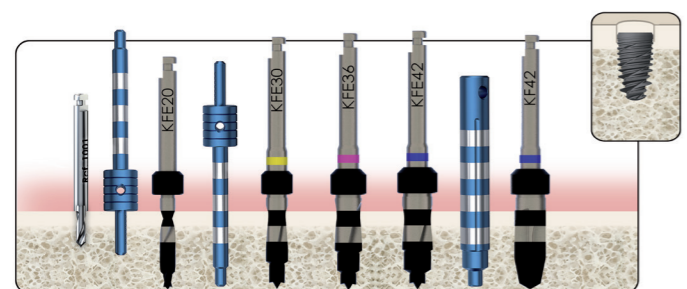
Recommended



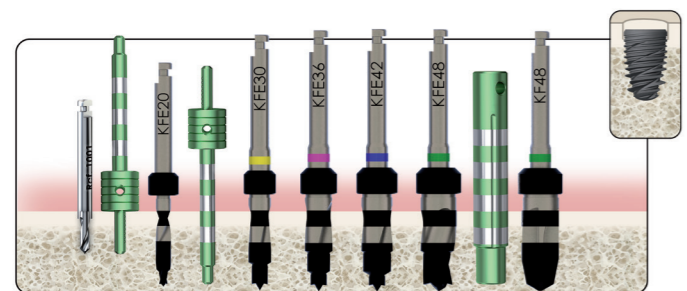
Drilling for Ø 3 mm implant.
2 mm subcrestal placement.



Drilling for Ø 3.6 mm implant.
2 mm subcrestal placement.

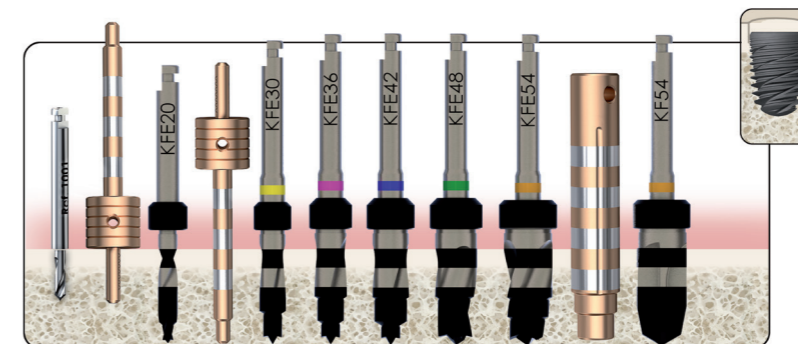


Drilling for Ø 4.2 mm implant.
2 mm subcrestal placement.



Drilling for Ø 4.8 mm implant.
2 mm subcrestal placement.

DRILLING PROTOCOL



Drilling for Ø 5.4 mm implant.
2 mm subcrestal placement.

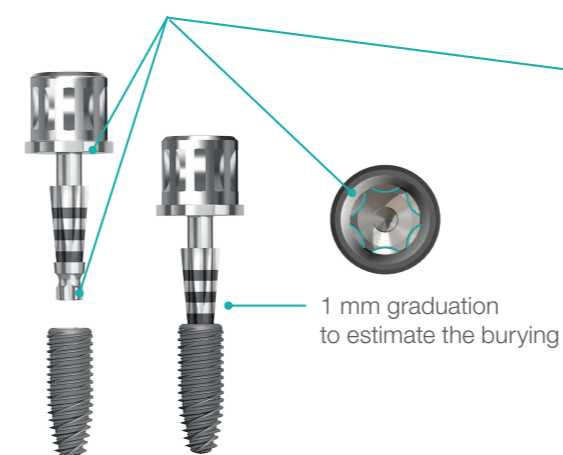
Recommended drill
rotation speeds

Instruments	Rotation Speed
Ø 1.5 / Ø 2 mm step drills	1500 rpm
Yellow, magenta and blue step drills	1000 - 1200 rpm
Green and orange step drills	700 - 900 rpm
Reamer drill	200 rpm
Implant	15 rpm

Specification for the use of the implant driver

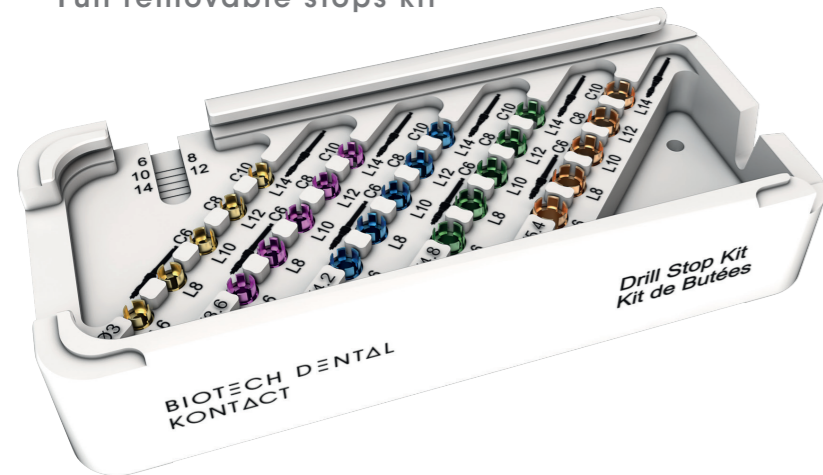
6 angular references represent the connection tops.

It is recommended to place on of the marker in vestibular direction.



FULL REMOVABLE STOPS KIT

Full removable stops kit



Ref.: KBK

Drill stops



Short drill stops

Reference	Diameter	Drilling
KB30C6L10		6 mm
KB30C8L12	Ø 3 mm	8 mm
KB30C10L14		10 mm
KB36C6L10		6 mm
KB36C8L12	Ø 3.6 mm	8 mm
KB36C10L14		10 mm
KB42C6L10		6 mm
KB42C8L12	Ø 4.2 mm	8 mm
KB42C10L14		10 mm
KB48C6L10		6 mm
KB48C8L12	Ø 4.8 mm	8 mm
KB48C10L14		10 mm
KB54C6L10		6 mm
KB54C8L12	Ø 5.4 mm	8 mm
KB54C10L14		10 mm



Stop on step drill



Removable and reusable drill stops for complete control of drilling depths.

Caution: drill stops are not compatible with optional 16 mm drills.

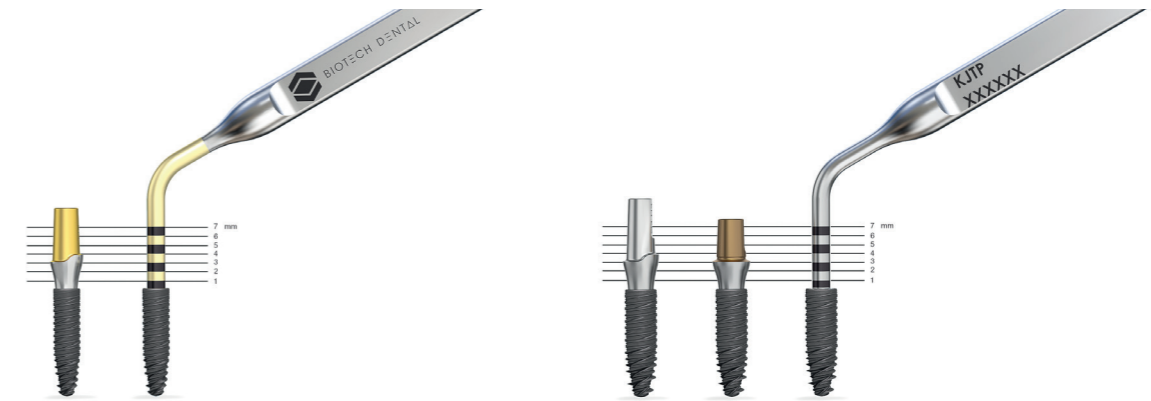
Long drill stops

Reference	Diameter	Drilling
KB30L6		6 mm
KB30L8		8 mm
KB30C6L10	Ø 3 mm	10 mm
KB30C8L12		12 mm
KB30C10L14		14 mm
KB36L6		6 mm
KB36L8		8 mm
KB36C6L10	Ø 3.6 mm	10 mm
KB36C8L12		12 mm
KB36C10L14		14 mm
KB42L6		6 mm
KB42L8		8 mm
KB42C6L10	Ø 4.2 mm	10 mm
KB42C8L12		12 mm
KB42C10L14		14 mm
KB48L6		6 mm
KB48L8		8 mm
KB48C6L10	Ø 4.8 mm	10 mm
KB48C8L12		12 mm
KB48C10L14		14 mm
KB54L6		6 mm
KB54L8		8 mm
KB54C6L10	Ø 5.4 mm	10 mm
KB54C8L12		12 mm
KB54C10L14		14 mm

GAUGE FOR PARO TISSUE / HEALING SCREWS

Gauge for paro tissue


	Reference	Designation
	KJTP	Gauge for paro tissue



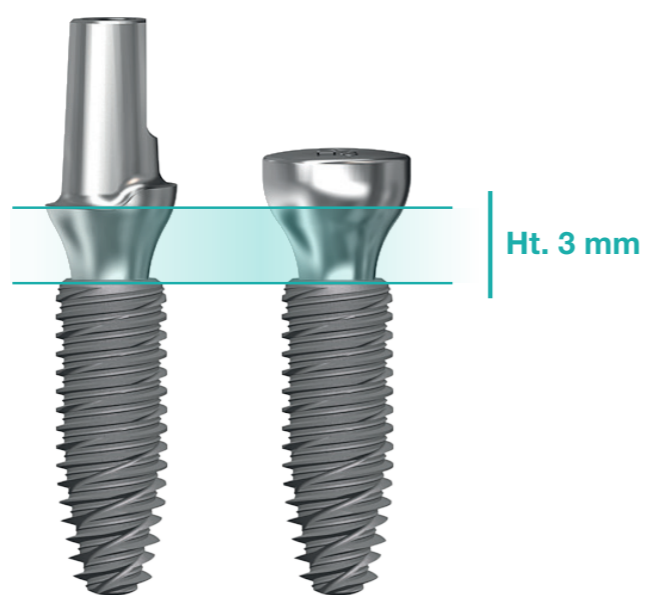
healing screws

	Reference	Designation	Diameter	Height
	K30VC	Titanium healing screw	Ø 3 mm	1.5 mm
	K30VC3			3 mm
	K30VC4			4 mm
	K30VC5			5 mm
	KVC401	Titanium healing screw	Ø 4 mm	1 mm
	KVC402			2 mm
	KVC403			3 mm
	KVC404			4 mm
	KVC405			5 mm
	KVC501	Titanium healing screw	Ø 5 mm	1 mm
	KVC502			2 mm
	KVC503			3 mm
	KVC504			4 mm
	KVC505			5 mm
	KVC652	Titanium healing screw	Ø 6.5 mm	2 mm
	KVC653			3 mm
	KVC654			4 mm
	KVC654			4 mm
	KVC655			5 mm

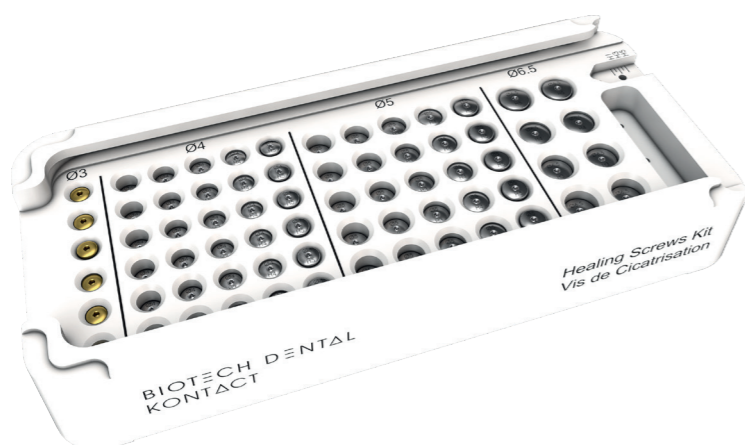
HEALING SCREWS

 In order to avoid blocking the screw into the implant, thoroughly clean the inside to eliminate the blood.

Gingival height



Example with Ht. 3mm



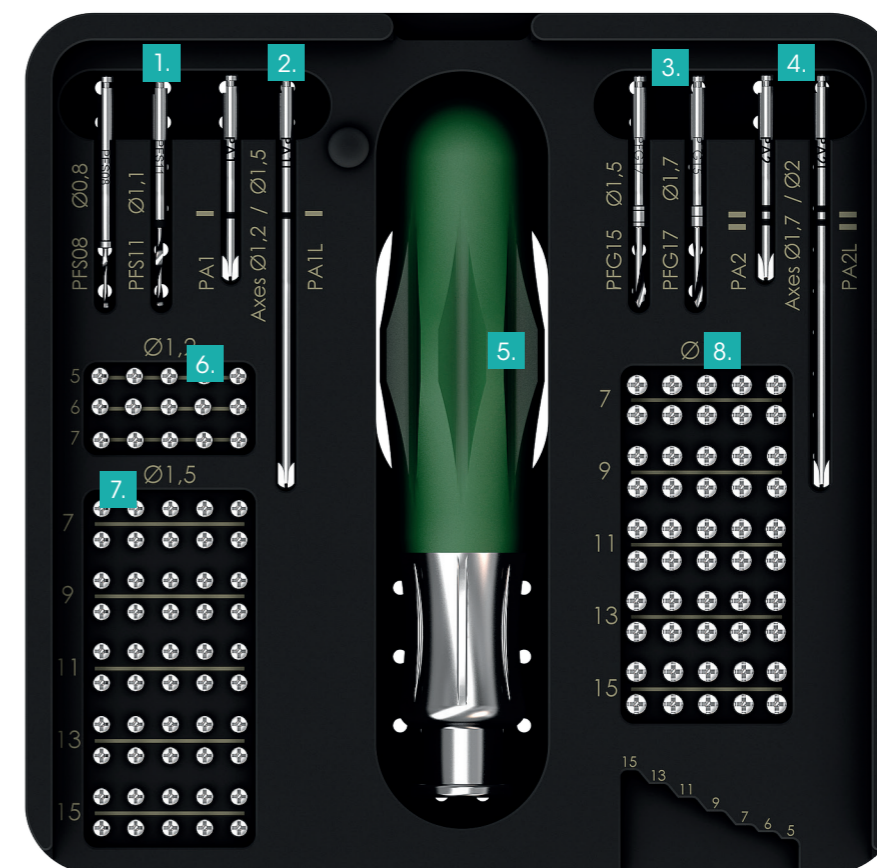
Ref.: KVCK

The healing screws should be tight with a **maximal torque of 10 N.cm (manual tightening recommended).**



OSTEOSYNTHESIS KIT FIX' IN


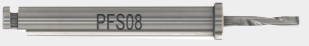




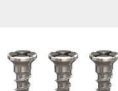


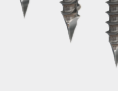











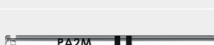


BIOTECH DENTAL FIX IN



Ref.: PIK

1. Drills for recipient site self-drilling screw
2. Shaft screwdriver for self-drilling screw
3. Bone graft drills
4. Shaft screwdriver for self-drilling screw
5. Dental tip screwdriver handle
6. Self-drilling screw Ø 1.2 mm
7. Self-drilling screw Ø 1.5 mm
8. Self-drilling screw Ø 1.7 mm

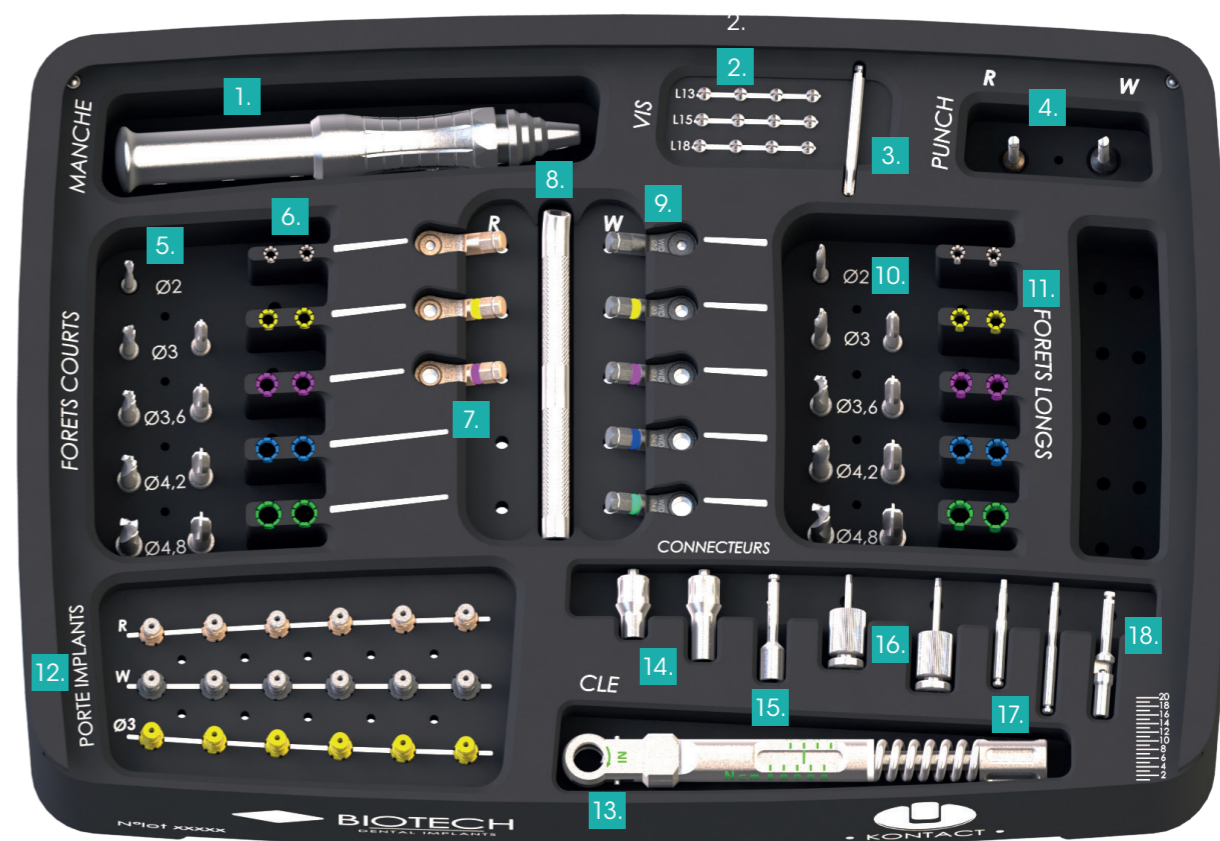
OSTEOSYNTHESIS KIT FIX'IN

	Reference	Designation	Diameter	Length	
	PMT	Dental tip screwdriver handle			
	PFS08	Drills for recipient site self-drilling screw	Ø 0.8 mm		
	PFS11		Ø 1.1 mm		
	PFG15		Ø 1.5 mm		
	PFG17		Ø 1.7 mm		
		Bone graft drills			
	PV1205	Self-drilling screws	Ø 1.2 mm	5 mm	
	PV1206			6 mm	
	PV1207			7 mm	
	PV1507	Self-drilling screws	Ø 1.5 mm	7 mm	
	PV1509			9 mm	
	PV1511			11 mm	
	PV1513			13 mm	
	PV1515			15 mm	
	PV1707			Self-drilling screws	Ø 1.7 mm
	PV1709	9 mm			
	PV1711	11 mm			
	PV1713	13 mm			
	PV1715	15 mm			
	PA1	Shaft screwdriver for self-drilling screw		Short	
	PA1M			Medium	Optional
	PA1L			Long	
	PA2	Shaft screwdriver for self-drilling screw		Short	
	PA2M			Medium	Optional
	PA2L			Long	






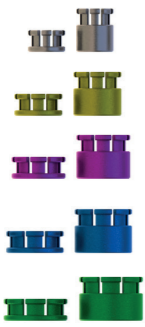

GUIDED SURGERY KIT ATLASURGERY

BIOTECH DENTAL ATLASURGERY



Ref. : KST

- | | |
|---------------------------------------|--|
| 1. Dental tip screwdriver handle | 10. Long step drills and reamer drills |
| 2. Guide-fixing screws | 11. Long drill stops |
| 3. Screwdriver axis | 12. Implant holders |
| 4. Punch | 13. Torque wrench key surgery |
| 5. Short step drill and reamer drills | 14. Manual ratchet connectors |
| 6. Short drill stops | 15. Contra-angle ratchet connectors |
| 7. Regular Spoon guide | 16. Manual screwdrivers |
| 8. Spoon handle | 17. Contra-angle screwdrivers |
| 9. Wide Spoon guide | 18. Extension drill |

	Reference	Designation	Diameter	Height	Length
	KSMC	Spoon handle			
	KSCREG20	Regular spoon guide	2 mm		
	KSCREG30		3 mm		
	KSCREG36		3.6 mm		
	KSCWID20	Wide spoon guide	2 mm		
	KSCWID30		3 mm		
	KSCWID36		3.6 mm		
	KSCWID42		4.2 mm		
	KSCWID48		4.8 mm		
	KSB20-2	Drills stops for guided surgery	2 mm	2 mm	
	KSB20-4			4 mm	
	KSB30-2		3 mm	2 mm	
	KSB30-4			4 mm	
	KSB36-2		3.6 mm	2 mm	
	KSB36-4			4 mm	
	KSB42-2		4.2 mm	2 mm	
	KSB42-4			4 mm	
	KSB48-2		4.8 mm	2 mm	
	KSB48-4			4 mm	
	KSFE20	Step drills for guided surgery	2 mm		Short
	KSFE20L				Long
	KSFE30		3 mm		Short
	KSFE30L				Long
	KSFE36		3.6 mm		Short
	KSFE36L				Long
	KSFE42		4.2 mm		Short
	KSFE42L				Long
	KSFE48		4.8 mm		Short
	KSFE48L				Long

	Reference	Designation	Diameter	Length
	KSF30	Reamer drills for guided surgery	3 mm	Short
	KSF30L			Long
	KSF36		3.6 mm	Short
	KSF36L			Long
	KSF42		4.2 mm	Short
	KSF42L			Long
	KSF48		4.8 mm	Short
	KSF48L			Long
			KSPUN-REG	Punch Regular
	KSPUN-WID	Punch Wide		
	KSCMC	Ratchet connectors		Short
	KSCMCL		Long	
	KSCMCA	Contra-angle connector		
	KSMPI-REG	Regular implant holder + screw KSMPIV		
	KSMPI-WID	Wide implant holder + screw KSMPIV		
	KSMPI30	Implant holder + screw KSMPI30V	3 mm	



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