

ABOUTUS

Conometric connection implants

Cylindrical implants with internal hexagon connection



Conical implants -Bone Level



PROGRESSIVE self tapping, self drilling and bone condensing implant

SHORT implants with internal hexagon connection



Conical implants with polished neck



PLUS - Conical implants with internal hexagon connection - double thread



Mini two-stage implants



One-piece implants ŮNIKO



One-piece mini implants for overdenture with ball attachment



One-piece implants with medium thread



Prosthetic components



Instruments









ABOUT US

Company TECNOMED was created with the objective to produce and market Titanium implants and high technology dental components.

Over the years, constant research and dedicated work, supported by a long experience in the field of implant dentistry, allowed the achievement of high standards of quality, and production of a number of lines of implants that give professionals the opportunity to successfully manage any situation.

State-of-the-art products of this dynamic company are product lines intended for professionals who appreciate immediate loading techniques. Among these products are conical implants with aggressive screw profile that guarantee a greater primary stability of the implant, by creating a more intimate contact with the bone tissue. External or internal hexagonal connection allows these implants to be immediately loaded, with all the prosthetic components used with the traditional implants with external or internal hexagonal connection.

Company's main objective is to offer to professionals constant updating and continuous professional growth, by holding various courses, ranging from the ones teaching basics of implantology using simulators, to the ones in emergency medicine, or the ones in advance surgery on cadavers and also courses held at N.Y. University.

Our continuous quest for higher customer satisfaction led to the creation of a commercial network throughout the world, with people responsible for our product lines that are always eager to meet any need, and also, it led to forming medical staff capable of following and supporting professionals while they takes their first steps. The fruitful work we've done so far and, we are certain, will continue to do in an increasingly qualified way, made it possible for TECNOMED to occupy a prestigious place among the leading companies in the field of implantology.

Moreover, our business policy and strategy is focused not only on following the trends in implantology but also on striving to adjust the production to the latest trends in the fi eld of ecology and sustainable development. Therefore, we are harvesting sun energy for our own industrial needs.





TITANIUM PROPERTIES AND ITS LEVELS OF HARDNESS

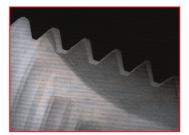
Based on its pureness and mechanical resistance, we distinguish 4 levels of medical titanium ASTM F64:

- Level 1 is no doubt the purest, but it is too ductile, so it is used only for construction of titanium membranes and grids for guided tissue regeneration. If made thin, it is malleable, ductile and it can be cut with regular scissors.
- Level 2 contains some components that render it more resistant, but it is generally considered still too tender for endosseous implants. The risk in using Level 2 is not that the implant could break, but that the edges of the hexagon connection could in time become rounded off, therefore resulting in the weakening of the connections which could decrease the mechanical resistance of fastening passing screws.
- Level 3 is even more resistant. It has two basic properties: pureness and mechanical resistance to stress, which make it an excellent material for implants.
- Level 4 contains binders in greater percentage, which grants better mechanical resistance.
- Level 5 is alloyed with 6% of aluminium and 4% of vanadium, therefore, it is not pure titanium.
- Level 23 or Ti6Al-4V ELI is a combination of high resistance, lightness and toughness. It is used in biomedical applications and aerospace components.

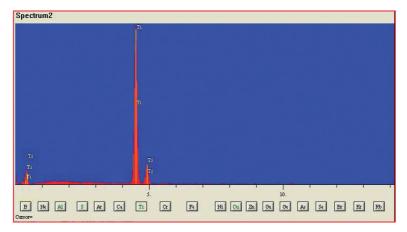
TECNOMED uses Ti6Al-4V ELI (Level 23) to produce their implants.



Implant before purification treatment



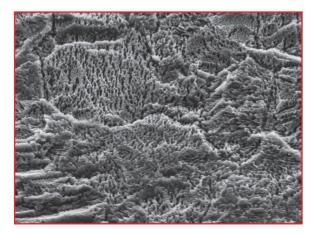
TECNOMED implant under the electronic microscope after purification treatment



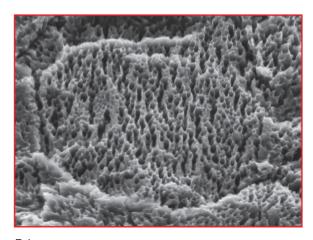
Test with XRF-EDS X-ray showing the purity of TECNOMED implants

NANO-TITAN surface of controlled roughness:

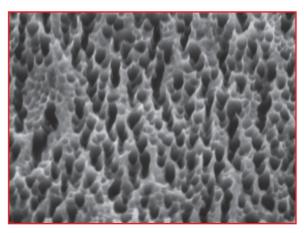
Surface of the last generation is achieved through subtraction by etching in mineral acids, which renders it capable of promoting osteoblastic proliferation and bone maturation by significantly increasing the contact surface bone-implant and creating micro and macro craters visible with electron microscopy.



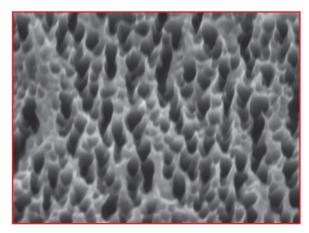
Enhancement 2000 x



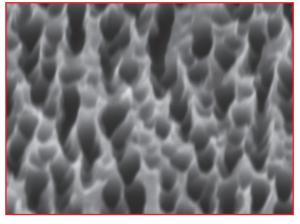
Enhancement 4000 x



Enhancement 8000 x

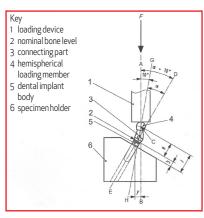


Enhancement 10000 x

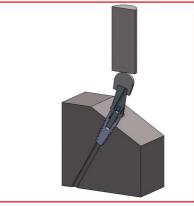


Enhancement 16000 x

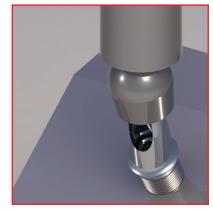
STRESS TEST ON TECNOMED IMPLANTS



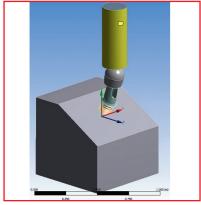
Scheme used for the mechanical tests according to regulation ISO/FDIS 14801



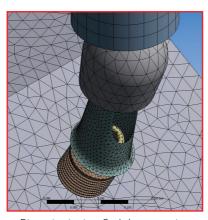
Isometric view, with cut through PLAN YZ, of configuration analysed according to regulation ISO/FDIS 14801



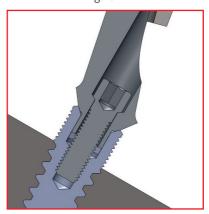
3D to point out implant driver, spherical and cylindrical mould according to scheme of figure 2



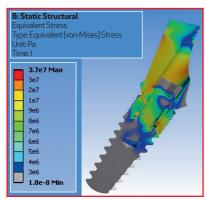
Translation link along the Y-axis applied to the cylindrical mould in the configuration of analysis



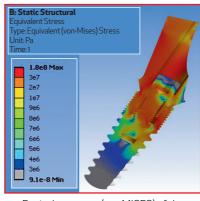
Discretization into final elements using hexahedral and tetrahedral configuration, object of simulation



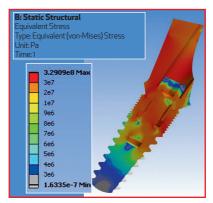
Section through PLAN YZ of the analyzed assembly that points out the zone of the highest stress concentration



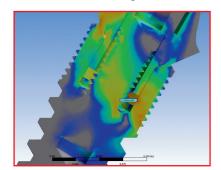
Equivalent stress (von MISES) of the analyzed assembly (middle section) with a load of 50N



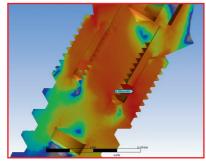
Equivalent stress (von MISES) of the analyzed assembly (middle section) with a load of 150N



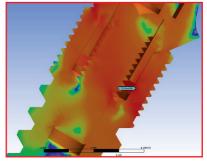
Equivalent stress (von MISES) of the analyzed assembly (middle section) with a load of 250N



Maximum effort in the most critical zone with the force of 50N



Maximum effort in the most critical zone with the force of 150N



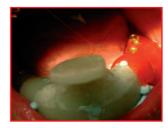
Maximum effort in the most critical zone with the force of 250N

GUIDELINES FOR TAKING DENTAL IMPRESSIONS

OPEN-TRAY INDIRECT TECHNIQUE



Screwing of transfer mounts



Positioning of the individual tray with silicone in order to make the transfers emerge from the spoon.

It's recommended to use hard resin to stick the transfers to the tray in order



Results of the impression



Screwing of plaster analogues onto the transfers



A model developed with plaster analogues



Positioning of UCLA (castable plastic cylinder)



Parallelized abutments after the fusion.



Lateral view



Positioning of the final abutments in the mouth

CLOSED-TRAY INDIRECT TECHNIQUE



Positioning or transfers and related copings



Use of rebasing material (second impression) in order to take a perfect impression



Standard positioning of universal tray with silicone



Result of the impression with copings incorporated into the silicone

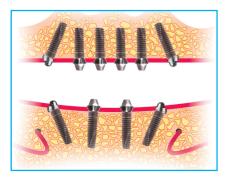
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Repositioning of transfers into copings

NOTE: Remember to screw the transfers onto the analogues before inserting them into the coping

Implant / prosthesis protocol of ALL ON SIX technique with use of TECNOMED components



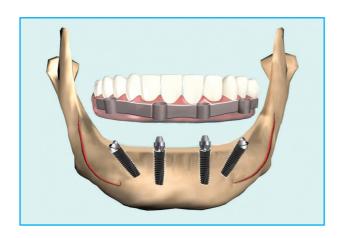
ALL ON SIX superior

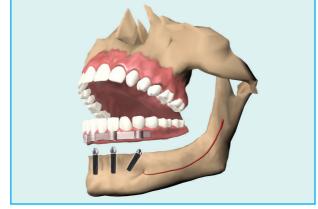


Insertion of implants 12/22 13/23 15/25 about 30° tilted



Sequence of the impression through the use $\label{eq:sequence} % \[\frac{1}{2} \left(\frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \right) \left(\frac{1}{2} \right$ of open tray





ALL ON FOUR inferior











Simulation of the position of implants and multi-unit abutments (straight positioned 12/22 13/23 and 30° angled positions 15/25)



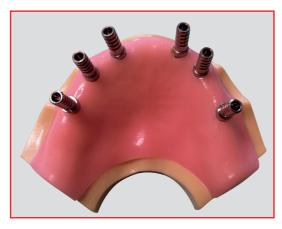




Insertion of the analogues



Development of plaster impression with lab analogues inserted



Insertion of titanium abutments



Insertion of custable plastic cylinders







Correction of inclination of the implants on the position 15/25 through 30° angled multi-unit abutment



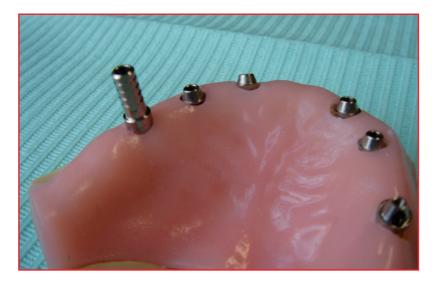
Particular of the angled multi-unit abutments are two fastening screws: one between coping and multi-unit abutment and other between angled multi-unit abutment and implant

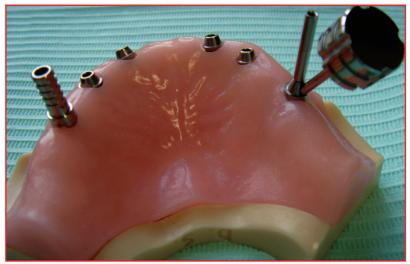






Insertion of 30° angled multi-unit abutment and the straight multi-unit abutment





Control of parallelism

Visual display of the handmade article





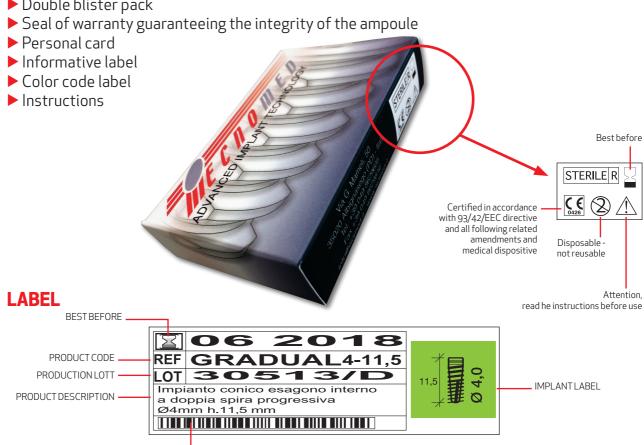


TECNOMED IMPLANT PACKAGING

Implant Packaging was carefully studied in order to make handling the product easier.

Each packaging consists of:

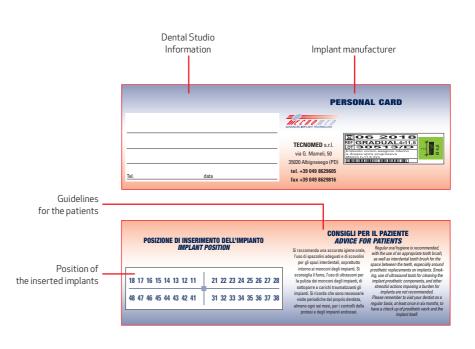
► Double blister pack



PERSONAL CARD

BARCODE

Personal card is a proper ID document for all the components used during the surgery. It is given to the patient so he/she could trace the used components even if he/she changes dentist.



Key

Abbreviation	Description	Abbreviation	Description	Color Code	Diameter
imp.	implant	mon.	abutment	Yellow	ø 3,5 mm
ex-est	external hexagon	tit.	titanium	Tellow	D,5111111
ex-int	internal hexagon	coll.	implant neck	Green	ø 4,0 mm
tran.	transmucosal	fres.	millable	_	
tor.	outer hex height	con.	connector	○White	ø 4,5 mm
m.p.	small mounter	ang.	angled	Red	ø 5,0 mm
MG	big mounter	plat.	platinum plated	Neu	אווווו ט,כ ש
VdG	healing cap	calc.	castable plastic cylinder	○ Violet	ø 6,0 mm

CONOMETRIC CONNECTION IMPLANTS

MORPHOLOGY



The two TECNOMED implant systems with CONOMETRICI coupling match solid bio – engeneering principles. Suited for all the bone classes, these implants present an external conical morphology, with a peculiar double implant – abutment connection, both conometric and hexagonal.

This feature gives to the implants a great reliability, with the help of a fastening screw that guarantees a perfect bacterial sealing. The KONO S neck has a micro – thread for a better grip in the cortical bone, and a switching platform, providing the due distance between the crestal bone level and the pillars closing.

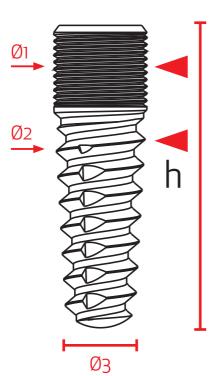
The unique design of the CLOSE – BL implant is studied for the placement in some peculiarly – shaped crests, where a tapered neck is needed.

Dimensions of the connection



	code	Ø implant	h	Ø1	Ø2	Ø3
IRIC	I-BITc-10-kono s	3,5	10	4,0	3,8	2,4
ME	I-BITc-11-kono s	3,5	11	4,0	3,8	2,4
ONO	I-BITc-12-kono s	3,5	12	4,0	3,8	2,4
88	I-BITc-14-kono s	3,5	14	4,0	3,8	2,4
	I-BITc-16-kono s	3,5	16	4,0	3,8	2,4

	code	Ø implant	h	Ø1	Ø2	Ø3
IRIC	I-DITc-8,5-kono s	4,0	8,5	4,0	4,0	2,9
ME	I-DITc-10-kono s	4,0	10	4,0	4,0	2,9
ONO	I-DITc-11,5-kono s	4,0	11,5	4,0	4,0	2,9
88	I-DITc-13-kono s	4,0	13	4,0	4,0	2,9
	I-DITc-14,5-kono s	4,0	14,5	4,0	4,0	2,9



	code	Ø	h	Ø1	Ø2	Ø3
TI CIT	I-LITc-8,5-kono s	implant 4,5	8,5	4.5	4,5	3,1
AETH	I-LITc-10-kono s	4,5	10	4,5	4,5	3,1
MPONON	I-LITc-11,5-kono s	4,5	11,5	4,5	4,5	3,1
88	I-LITc-13-kono s	4,5	13	4,5	4,5	3,1
	I-LITc-14,5-kono s	4,5	14,5	4,5	4,5	3,1

ഗവ	code	Ø implant	h	Ø1	Ø2	Ø3
ELENT	I-CITc-8,5-kono s	5,0	8,5	5,0	5,0	3,6
APO NOM	I-CITc-10-kono s	5,0	10	5,0	5,0	3,6
99	I-CITc-11,5-kono s	5,0	11,5	5,0	5,0	3,6
	I-CITc-13-kono s	5,0	13	5,0	5,0	3,6

h = length Ø1 = max coronal diameter

Ø2 = max thread diameterØ3 = apical diameter

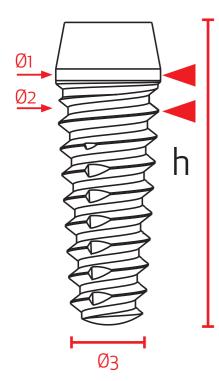
For the prosthetic components see page 63 For the instruments see page 85

Dimensions of the connection



10	code	Ø implant	h	Ø1	Ø2	Ø3
INTS	I-ESOLC3,5-10-BL	3,5	10	4,0	3,8	2,4
ME	I-ESOLC3,5-11-BL	3,5	11	4,0	3,8	2,4
ONC	I-ESOLC3,5-12-BL	3,5	12	4,0	3,8	2,4
88	I-ESOLC3,5-14-BL	3,5	14	4,0	3,8	2,4
	I-ESOLC3,5-16-BL	3,5	16	4,0	3,8	2,4

	code	Ø implant	h	Ø1	Ø2	Ø3
NTS	I-ESOLC4-8,5-BL	4,0	8,5	4,0	4,0	2,9
NA MARK	I-ESOLC4-10-BL	4,0	10	4,0	4,0	2,9
ONO	I-ESOLC4-11,5-BL	4,0	11,5	4,0	4,0	2,9
88	I-ESOLC4-13-BL	4,0	13	4,0	4,0	2,9
	I-ESOLC4-14,5-BL	4,0	14,5	4,0	4,0	2,9



	1-ESULC4-14,5-BL	4,0	14,5	4,0	4,0	2,9
	code	Ø implant	h	Ø1	Ø2	Ø3
NTS SISS	I-ESOLC4,5-8,5-BL	4,5	8,5	4,5	4,5	3,1
N N N N N N N N N N N N N N N N N N N	I-ESOLC4,5-10-BL	4,5	10	4,5	4,5	3,1
ONC ONC	I-ESOLC4,5-11,5-BL	4,5	11,5	4,5	4,5	3,1
88	I-ESOLC4,5-13-BL	4,5	13	4,5	4,5	3,1
	I-ESOLC4,5-14,5-BL	4,5	14,5	4,5	4,5	3,1
νu	code	Ø implant	h	Ø1	Ø2	Ø3
	I-ESOLC5-8,5-BL	5,0	8,5	5,0	5,0	3,6
COMPONEN	I-ESOLC5-10-BL	5,0	10	5,0	5,0	3,6
55	I-ESOLC5-11,5-BL	5,0	11,5	5,0	5,0	3,6
	I-ESOLC5-13-BL	5,0	13	5,0	5,0	3,6

h = length Ø1 = max coronal diameter

 \emptyset 2 = max thread diameter

= apical diameter

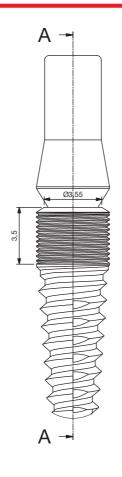
For the prosthetic components see page 63 For the instruments see page 85

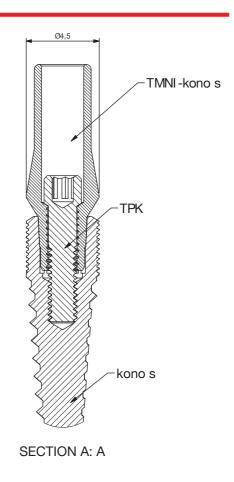
Assembly outlines

KONOS

implant

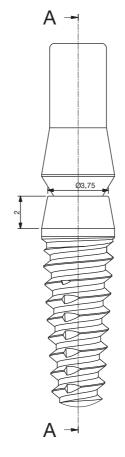
with abutment **TMNI-kono s** through **TPK**

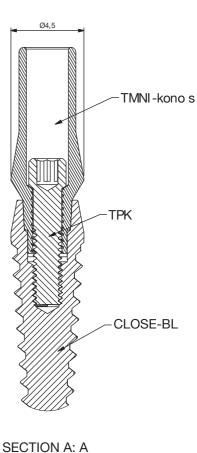




CLOSE-BL implant

with abutment **TMNI-kono s** through **TPK**





14



Pilot drill

S-FS00 Ø 1,8 mm



Conical drills with depth markings

Code	Final for implants		ŀ	neight (mm)	
Code	with Ø mm	8,5	10	11,5	13	14,5
S-FS35	3,5					
S-FS40	4,0					
S-FS45	4,5					
S-FS50	5,0					

Guidelines for the use of drills for conical implants

These drills have the characteristic to recover the bone during the drilling (which, if necessary, can be used for bone regeneration - as autologuos bone graft). Thus, it is important to clean the cavity of the cutter to ensure an optimal cutting during the preparation of the implant site.

Note: The black marking indicates height, while the colored insert (marking) indicates diameter.



Bone tap

	Final				hei	ght (m	nm)			
Code	for implants with Ø mm	8,5	10	11	11,5	12	13	14	14,5	16
S-BCM	3,5									
S-DCM	4,0									
S-LCM	4,5									
S-CCM	5,0									

CONOMETRIC CONNECTION IMPLANT kono s ø 3,5 h 12



CONOMETRIC CONNECTION IMPLANT kono s ø 4 h 13



CONOMETRIC CONNECTION IMPLANT CLOSE-BL ø 4,5 h 13



CONOMETRIC CONNECTION IMPLANT CLOSE-BL ø 5 h 13

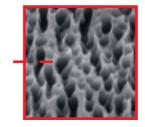


CYLINDRICAL IMPLANTS WITH INTERNAL HEXAGON CONNECTION

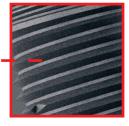
MORPHOLOGY

Switching platform ·











It guarantees the outflow of clot and the anti-rotation property of the implant in the second surgical stage

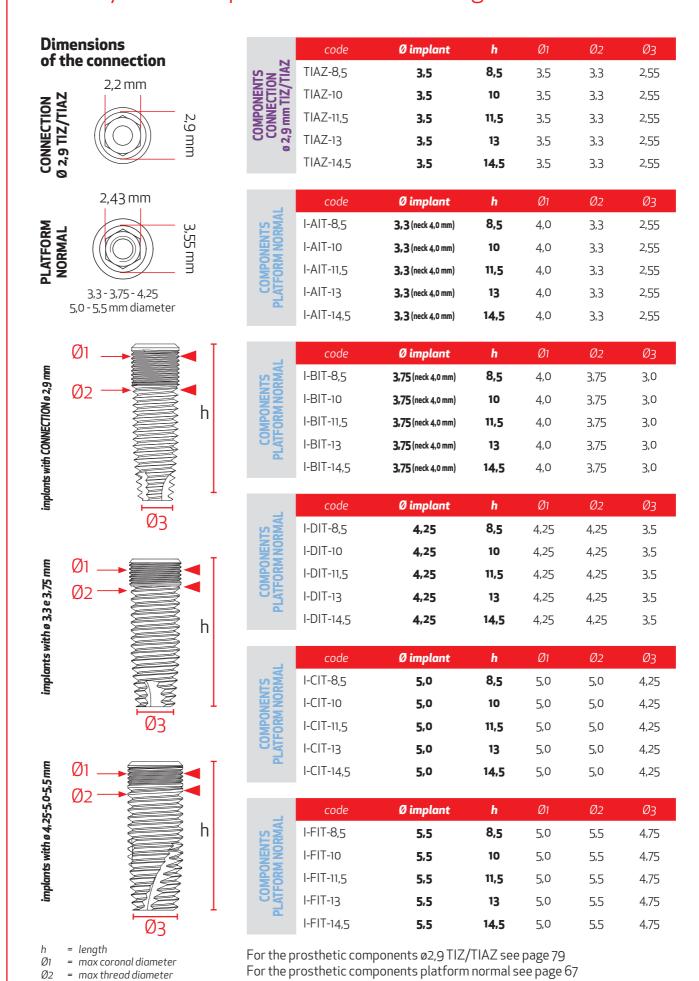




Cylindrical implant system with internal hexagon connection is indicated in all the bone classes and offers a wide range of fixtures to satisfy the most diverse needs for implant prosthetic and aesthetic rehabilitation. These implants have a cylindrical shape with dense threads and an apex that progresses into a conical shape that has three deep decompression incisions that serve as outlets for bone chips and, at the same time, they improve non-rotation of the implant during the operations of screwing and unscrewing of prosthetic components in the second surgical stage. It is recommended, especially in cases of compact bones D1 and D2, to tap the bone.

In order to avoid stressing the connection implant-mounter it is suggested to use S-IP connector (see page 89).

Cylindrical implants with internal hexagon connection



For the instruments see page 85

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= apical diameter

Cylindrical implants with internal hexagon connection



Pilot drill

S-FS00 ø 1,8 mm

Cylindrical drills with stopper

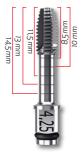


Code	Drill Final for Ø implants –			he	eight (mr	m)	
CODE	(mm)	with Ø mm	8,5	10	11,5	13	14,5
S-FS20-stop	2,0	intermediate step					
S-FS25-stop	2,5	intermediate step					
S-FS29-stop	2,9	3,3					
S-FS32-stop	3,2	3,75					
S-FS39-stop	3,9	4,25					
S-FS45-stop	4,5	5,0					
S-FS50-stop	5,0	5,5					



Cylindrical drills with depth markings

S-FS29	ø 2,9 mm	Final for implants ø3,3 mm
S-FS32	ø 3,2 mm	Final for implants ø3,75 mm
S-FS39	ø 3,9 mm	Final for implants ø4,25 mm
S-FS45	ø 4,5 mm	Final for implants ø5,0 mm
S-FS50	ø 5,0 mm	Final for implants ø5,5 mm

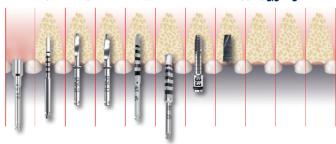


Bone tap

S-ABT	for implants ø3,3 mm
S-BBT	for implants ø3,75 mm
S-DBT	for implants ø4,25 mm
S-CBT	for implants ø5,0 mm
S-EIT	for implants ø5,5 mm

USAGE OF THE DRILLS WITH DEPTH MARKINGS

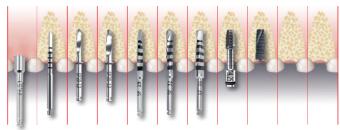
CYLINDRICAL IMPLANT WITH INTERNAL HEXAGON ø 3,3 h 13



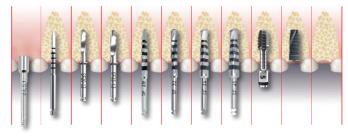
CYLINDRICAL IMPLANT WITH INTERNAL HEXAGON ø 3,75 h 13



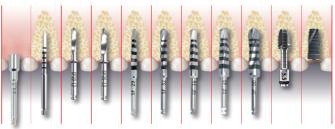
CYLINDRICAL IMPLANT WITH INTERNAL HEXAGON ø 4,25 h 13



CYLINDRICAL IMPLANT WITH INTERNAL HEXAGON ø 5 h 13



CYLINDRICAL IMPLANT WITH INTERNAL HEXAGON ø 5,5 h 13



USAGE OF THE DRILLS WITH STOPPER

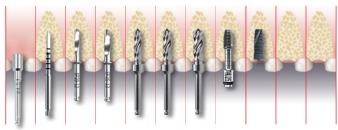
CYLINDRICAL IMPLANT WITH INTERNAL HEXAGON ø 3,3 h 13



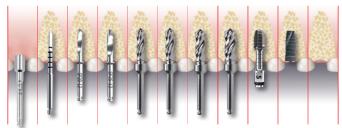
CYLINDRICAL IMPLANT WITH INTERNAL HEXAGON ø 3,75 h 13



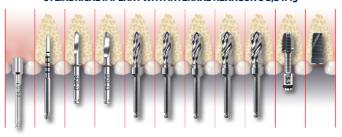
CYLINDRICAL IMPLANT WITH INTERNAL HEXAGON ø 4,25 h 13



CYLINDRICAL IMPLANT WITH INTERNAL HEXAGON ø 5 h 13



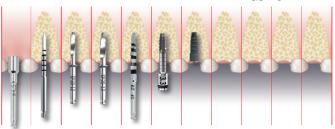
CYLINDRICAL IMPLANT WITH INTERNAL HEXAGON ø 5,5 h 13



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USAGE OF THE DRILLS WITH DEPTH MARKINGS

CYLINDRICAL IMPLANT WITH INTERNAL HEXAGON ø 3,5 h 13 TIAZ



USAGE OF THE DRILLS WITH STOPPER

CYLINDRICAL IMPLANT WITH INTERNAL HEXAGON ø 3,5 h 13 TIAZ



CONICAL IMPLANTS - BONE LEVEL

MORPHOLOGY



Bone Level conical implant system with internal hexagon connection is indicated in all the bone classes. It offers a wide range of fixtures to satisfy the most diverse needs for implant-prosthetic and aesthetic rehabilitation. These implants have been tested for both flap insertion technique (two-stage surgery) and flapless insertion technique (one-stage surgery). Since they have a thread that is 0,45 mm deep, they are indicated for immediate loading, as long as the fixture has excellent primary stability and a minimal length of 11,5 mm. The implant has a 2 mm hi-polished neck that ends with a switching platform, which creates a distancing dimension between the ridge bone level and the implant abutment contact.

It is necessary to use bone taps in case of compact bone D1 and D2, appropriate extension S-IP should be used to avoid stressing the connection implant-mounter (see page 89).

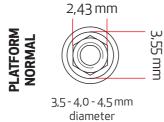
PRODUCT CATALOG 2017 23

Conical implants - Bone Level

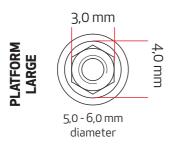
code

I-LITc-8,5-BL

Dimensions of the connection



S MAL	code	Ø implant	h	Ø1	Ø2	Ø3
NTS ORM/	I-BITc-10-BL	3,5	10	4,0	3,8	2,2
NO M	I-BITc-11-BL	3,5	11	4,0	3,8	2,2
COMP	I-BITc-12-BL	3,5	12	4,0	3,8	2,2
CO	I-BITc-14-BL	3,5	14	4,0	3,8	2,2
	I-BITc-16-BL	3,5	16	4,0	3,8	2,2



4	code	Ø implant	h	Ø1	Ø2	Ø3
ONENTS IM NORMAL	I-DITc-8,5-BL	4,0	8,5	4,0	4,0	3,0
MAN	I-DITc-10-BL	4,0	10	4,0	4,0	3,0
COMPC	I-DITc-11,5-BL	4,0	11,5	4,0	4,0	3,0
PLA	I-DITc-13-BL	4,0	13	4,0	4,0	3,0
	I-DITc-14,5-BL	4,0	14,5	4,0	4,0	3,0

h

8,5

implant

4,5

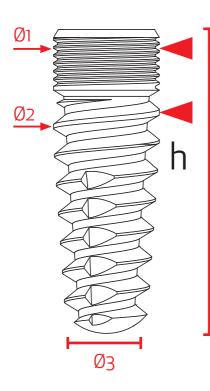
Ø2

4,5

3,2

Ø1

4,0



SE	I-LITc-10-BL	4,5	10	4,0	4,5	3,2
COMPON	I-LITc-11,5-BL	4,5	11,5	4,0	4,5	3,2
PLA	I-LITc-13-BL	4,5	13	4,0	4,5	3,2
	I-LITc-14,5-BL	4,5	14,5	4,0	4,5	3,2
SE	code	Ø implant	h	Ø1	Ø2	Ø3
COMPONENTS PLATFORM LARG	I-CITc-8,5-BL	5,0	8,5	5,0	5,0	3,4
POR SERVICE	I-CITc-10-BL	5,0	10	5,0	5,0	3,4
Z Z	I-CITc-11,5-BL	5,0	11,5	5,0	5,0	3,4
<u> </u>	I-CITc-13-BL	5,0	13	5,0	5,0	3,4
SE	code	Ø implant	h	Ø1	Ø2	Ø3
FER	I-GITc-8,5-BL	6,0	8,5	6,0	6,0	4,4
PON ORN	I-GITc-10-BL	6,0	10	6,0	6,0	4.4
COMPONENTS	I-GITc-11,5-BL	6,0	11,5	6,0	6,0	4,4

13

6,0

6,0

4,4

h = length

Ø1 = max coronal diameter

Ø2 = max thread diameter

Ø3 = apical diameter

For the prosthetic components platform normal see page 67 For the prosthetic components platform large see page 77 For the instruments see page 85

6,0

PRODUCT CATALOG 2017

I-GITc-13-BL

Conical implants - Bone Level



Pilot drill

S-FS00 Ø 1,8 mm

Conical drills with stopper



Code	Final for implants with Ø mm		height (mm)							
CODE		8,5	10	11	11,5	12	13	14	14,5	16
S-FS35	3,5									
S-FS40	4,0									
S-FS45	4,5									
S-FS50	5,0									
S-FS60	6,0									

Guidelines for the use of drills for conical implants

These drills have the characteristic to recover the bone during the drilling (which, if necessary, can be used for bone regeneration - as autologuos bone graft). Thus, it is important to clean the cavity of the cutter to ensure an optimal cutting during the preparation of the implant site.

Note: The black marking indicates height, while the colored insert (marking) indicates diameter.

Bone tap



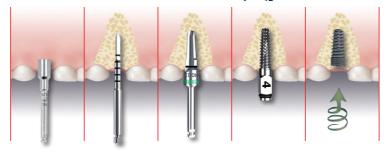
Code	Final		height (mm)							
CODE	for implants with Ø mm	8,5	10	11	11,5	12	13	14	14,5	16
S-BCM	3,5									
S-DCM	4,0									
S-LCM	4,5									
S-CCM	5,0									
S-GCM	6,0									

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CONICAL IMPLANT BL ø 3,5 h 12



CONICAL IMPLANT BL ø 4 h 11,5



CONICAL IMPLANT BL ø 4,5 h 11,5



CONICAL IMPLANT BL ø 5 h 11,5



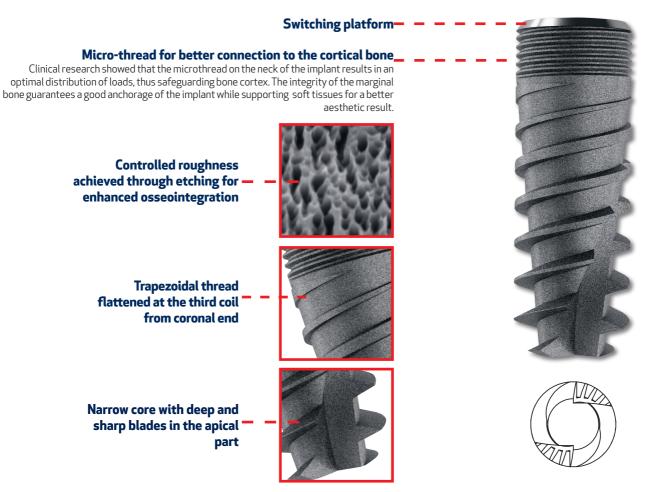
CONICAL IMPLANT BL ø 6 h 11,5



In bone type
 D1 and D2 use intermediate drill

PROGRESSIVE SELF TAPPING, SELF DRILLING AND BONE CONDENSING IMPLANT

MORPHOLOGY



"PROGRESSIVE" - it is an implant with internal hexagon connection and switching platform is indicated in all bone classes and has exceptional primary stability (even in very trabecular bone tissues) thanks to its double thread structure. The distinctive trait of this implant is that it has a double progressive trapezoidal thread flattened at the third coil from coronal end (after a 3 mm micro thread) and becoming increasingly aggressive and sharp at the third coil from apical end, thus offering excellent primary stability.

Implant's structure at coronal end is designed to preserve hard tissue causing a reduced trauma to surrounding bone tissue. Structure at the apical end allows the surgeon to charge the inclination while inserting the implant in order to achieve optimal angle. Double thread with a 2.3 mm pitch gives this implant some unique properties: self-cutting, self-threading and self-condensing. Thanks to its internal hexagon connection and a switching platform that offers a distancing element between the marginal bone and implant-abutment contact, this implant is particularly useful in the aesthetic areas.

It is necessary to use bone taps in case of compact bone D1 and D2. Appropriate extension S-IP should be used to avoid stressing the connection implant-mounter (see page 89).

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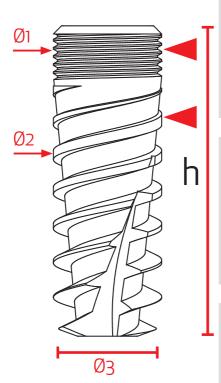
PROGRESSIVE - self tapping, self drilling and bone condensing implant

Dimensions of the connection



3,5 - 4,0 - 4,5 - 5,0 mm diameter





₩	code	Ø implant	h	Ø1	Ø2	Ø3
	GRADUAL 3,5-8,5	3,5	8,5	4,0	3,5	2,8
	GRADUAL 3,5-10	3,5	10	4,0	3,5	2,8
POMP	GRADUAL 3,5-11,5	3,5	11,5	4,0	3,5	2,8
PLA	GRADUAL 3,5-13	3,5	13	4,0	3,5	2,8
	GRADUAL 3,5-14,5	3,5	14,5	4,0	3,5	2,8

S	code	Ø implant	h	Ø1	Ø2	Ø3
58	GRADUAL 4-8,5	4,0	8,5	4,0	4,0	3,3
ONEN M NO	GRADUAL 4-10	4,0	10	4,0	4,0	3,3
COMPONER PLATFORM NG	GRADUAL 4-11,5	4,0	11,5	4,0	4,0	3,3
PLA	GRADUAL 4-13	4,0	13	4,0	4,0	3,3
	GRADUAL 4-14,5	4,0	14,5	4,0	4,0	3,3

S MAL	code	Ø implant	h	Ø1	Ø2	Ø3
NTS ORM	GRADUAL 4,5-8,5	4,5	8,5	4,5	4,5	3,8
MM	GRADUAL 4,5-10	4,5	10	4,5	4,5	3,8
OMP	GRADUAL 4,5-11,5	4,5	11,5	4,5	4,5	3,8
PLA:	GRADUAL 4,5-13	4,5	13	4,5	4,5	3,8
	GRADUAL 4,5-14,5	4,5	14,5	4,5	4,5	3,8

IAL .	code	Ø implant	h	Ø1	Ø2	Ø3
	GRADUAL 5-8,5	5,0	8,5	5,0	5,0	4,3
ONEN M NO	GRADUAL 5-10	5,0	10	5,0	5,0	4,3
OMP	GRADUAL 5-11,5	5,0	11,5	5,0	5,0	4,3
PLA	GRADUAL 5-13	5,0	13	5,0	5,0	4,3
	GRADUAL 5-14,5	5,0	14,5	5,0	5,0	4,3

rs RGE	code	Ø implant	h	Ø1	Ø 2	Ø3
MENT	GRADUAL 6-8,5	6,0	8,5	6,0	6,0	5,7
\sim	GRADUAL 6-10	6,0	10	6,0	6,0	5,7
COMP	GRADUAL 6-11,5	6,0	11,5	6,0	6,0	5,7
	GRADUAL 6-13	6,0	13	6,0	6,0	5,7

For the prosthetic components platform normal see page 67 For the prosthetic components platform large see page 77 For the instruments see page 85

h = length

Ø1 = max coronal diameter

 $[\]emptyset$ 2 = max thread diameter

Ø3 = apical diameter

PROGRESSIVE - self tapping, self drilling and bone condensing implant



Pilot drill

S-FS00 ø 1,8 mm

Cylindrical drills with stopper



Code	DRILL Final for implants		height (mm)						
CODE	(mm)	with Ø mm	8,5	10	11,5	13	14,5		
S-FS20-stop	2,0	intermediate step							
S-FS25-stop	2,5	intermediate step							
S-FS29-stop	2,9	3,5							
S-FS32-stop	3,2	4,0							
S-FS39-stop	3,9	4,5							
S-FS45-stop	4,5	5,0							
S-FS50-stop	5,0	6,0							

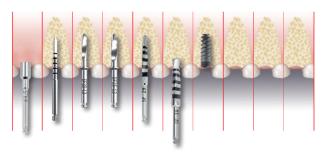


Cylindrical drills with depth markings

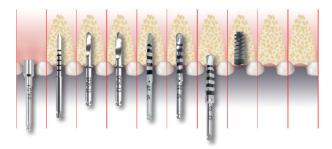
S-FS29	ø 2,9 mm	Final for implants ø 3,5 mm
S-FS32	ø 3,2 mm	Final for implants ø 4,0 mm
S-FS39	ø 3,9 mm	Final for implants ø 4,5 mm
S-FS45	ø 4,5 mm	Final for implants ø 5,0 mm
S-FS50	ø 5,0 mm	Final for implants ø 6,0 mm

USAGE OF DRILLS WITH DEPTH MARKINGS

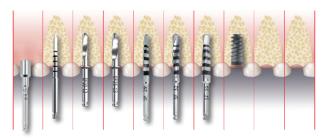
CONICAL IMPLANT WITH A PROGRESSIVE THREAD ø 3,5 h 13



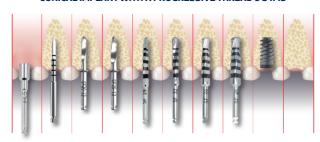
CONICAL IMPLANT WITH A PROGRESSIVE THREAD ø 4 h 13



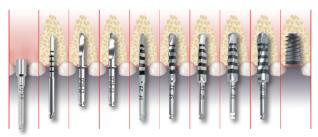
CONICAL IMPLANT WITH A PROGRESSIVE THREAD ø 4,5 h 13



CONICAL IMPLANT WITH A PROGRESSIVE THREAD ø 5 h 13

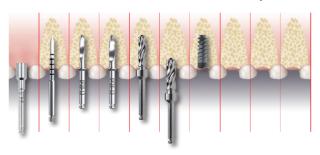


CONICAL IMPLANT WITH A PROGRESSIVE THREAD ø 6 h 13

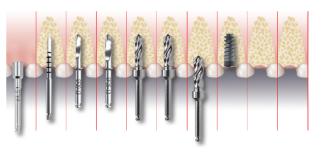


USAGE OF DRILLS WITH STOPPER

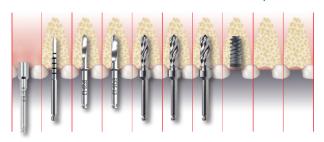
CONICAL IMPLANT WITH A PROGRESSIVE THREAD ø 3,5 h 13



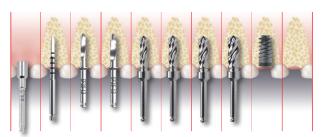
CONICAL IMPLANT WITH A PROGRESSIVE THREAD ø 4 h 13



CONICAL IMPLANT WITH A PROGRESSIVE THREAD ø 4,5 h 13



CONICAL IMPLANT WITH A PROGRESSIVE THREAD ø 5 h 13

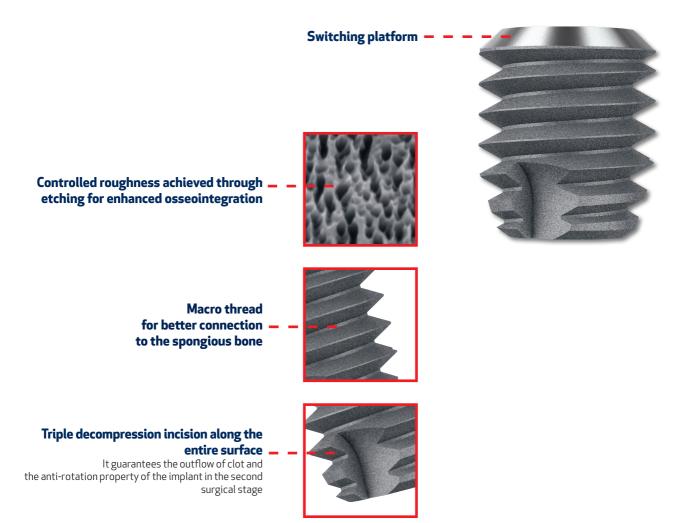


CONICAL IMPLANT WITH A PROGRESSIVE THREAD ø 6 h 13



SHORT IMPLANTS WITH INTERNAL HEXAGON CONNECTION

MORPHOLOGY

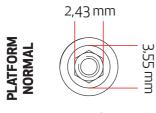


TECNOMED's "SHORT" implant system is based on the engineering principles that allow for implants t be used on reduced ridge height in all bone classes, taking advantage, in the best possible way, of the technology available today. This way the need for sinus lifts is minimized, as are the problems that might arise from surgical procedures on bone transplants. Also this helps avoiding long recovery times bedteew the two surgical phases, which reduces overall costs of the procedures. The morphology of this implant, characterized by a flattened top, designed to minimize vertical pressure, uses the entire length of the implant as a contact surface with the bone tissue. The wide threads of and the geometry of the body of the implant are aimed to better the adhesion with the implant site and to provide a maximal primary stability. Even the longitudinal cuts serve to better the advancement of the implant when it's being put in and also to render the repositioning of the bone tissue easier and prevent rotation of the implant.

It is necessary to use bone taps in case of compact bone D1 and D2. Appropriate extension S-IP should be used to avoid stressing the connection implant-mounter (see page 89).

SHORT implants with internal hexagon connection

Dimensions of the connection



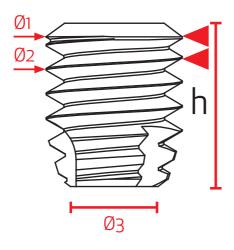
4,25 - 5,0 - 6,0 mm diameter

ITS RMAL	code	Ø implant	h	Ø1	Ø2	Ø3
ONEN M NO	I-DIT-5-SHORT •	4,25	5	4,25	4,25	3,05
COMP	I-DIT-6-SHORT	4,25	6	4,25	4,25	3,05
	I-DIT-7-SHORT	4,25	7	4,25	4,25	3,05

ITS RMAL	code	Ø implant	h	Ø1	Ø2	Ø3
ONEN M NO	I-CIT-5-SHORT •	5,0	5	5,0	5,0	3,8
COMP	I-CIT-6-SHORT	5,0	6	5,0	5,0	3,8
	I-CIT-7-SHORT	5,0	7	5,0	5,0	3,8

4	
ITS RM	
ES ES	
OR OR	
굽	

KMAL	code	Ø implant	h	Ø1	Ø2	Ø3
	I-GIT-5-SHORT •	6,0	5	6,0	6,0	4,0
A L	I-GIT-6-SHORT	6,0	6	6,0	6,0	4,0
7	I-GIT-7-SHORT	6,0	7	6,0	6,0	4,0



For the prosthetic components platform normal see page 67 For the instruments see page 85

Please note that some of the components for SHORT implants h 5 mm are different.

= length

Ø1 = max coronal diameter

Ø2 = max thread diameterØ3 = apical diameter

32

SHORT implants with internal hexagon connection



Pilot drill

S-FS00 Ø 1,8 mm

Drills with stop of depth



Code	Drill	rill Final Ø for implants		height (mm)			
Code	(mm)	con Ø mm	5	6	7		
S-FS20-stop	2,0	intermediate step					
S-FS25-stop	2,5	intermediate step					
S-FS29-stop	2,9	intermediate step					
S-FS32-stop	3,2	intermediate step					
S-FS39-stop	3,9	4,25					
S-FS45-stop	4,5	5,0					

Cylindrical drills with depth markings



S-FS29	ø 2,9 mm	Intermediate step
S-FS32	ø 3,2 mm	Intermediate step

S-FS39 Ø 3,9 mm Final for implants Ø 4,25 mm Final for implants Ø 5,0 mm

Final drills



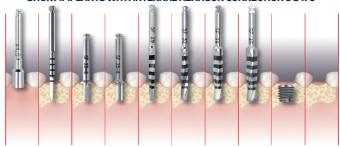
SF55-5Final for implants Ø 6,0 mm h 5 mmSF55-6Final for implants Ø 6,0 mm h 6 mmSF55-7Final for implants Ø 6,0 mm h 7 mm

USAGE OF DRILLS WITH DEPTH MARKINGS

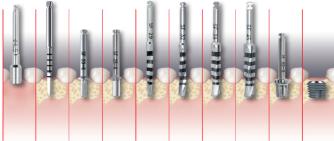
SHORT IMPLANTS WITH INTERNAL HEXAGON CONNECTION ø 4,25 h 6



SHORT IMPLANTS WITH INTERNAL HEXAGON CONNECTION & 5 h 6

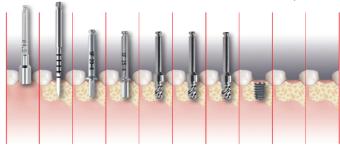


SHORT IMPLANTS WITH INTERNAL HEXAGON CONNECTION ø 6 h 6

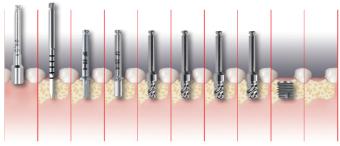


USAGE OF DRILLS WITH STOPPER

SHORT IMPLANTS WITH INTERNAL HEXAGON CONNECTION ø 4,25 h 6



SHORT IMPLANTS WITH INTERNAL HEXAGON CONNECTION ø 5 h 6

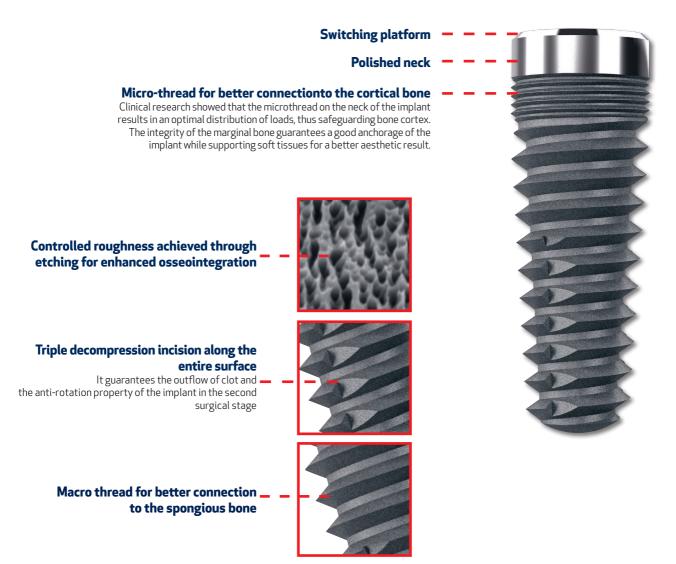


SHORT IMPLANTS WITH INTERNAL HEXAGON CONNECTION ø 6 h 6



CONICAL IMPLANTS WITH POLISHED NECK

MORPHOLOGY



Conical implant - polished neck system with internal hexagon connection is indicated in all the bone classes. It offers a wide range of fixtures to satisfy the most diverse needs for implant prosthetic and aesthetic rehabilitation. These implants have been tested for both flap insertion technique (two-stage surgery) and flapless insertion technique (one-stage surgery). Since they have a thread that is 0,45 mm deep, they are indicated for immediate loading as long as the fixture has excellent primary stability and a minimal length of 11,5 mm. The implant has a 2 mm hi-polished neck that ends with a switching platform, which creates a distancing dimension between the ridge bone level and the implant-abutment contact.

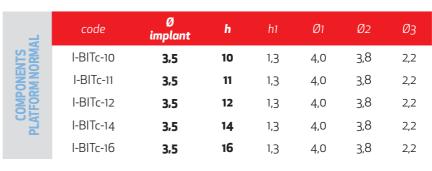
It is necessary to use bone taps in case of compact bone D1 and D2. Appropriate extension S-IP should be used to avoid stressing the connection implant-mounter (see page 89).

Conical implants with polished neck

Dimensions of the connection

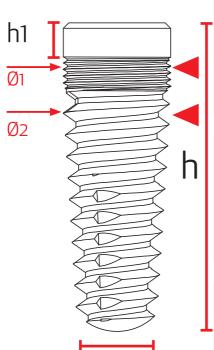


3,5 - 4,0 - 4,5 mm diameter



	3,0 mm	
PLATFORM LARGE		4,0 mm
	5,0 - 6,0 mm	
	diameter	

NTS	code	Ø implant	h	h1	Ø1	Ø2	Ø3
	I-DITc-8,5	4,0	8,5	1,3	4,0	4,0	3,0
ONENT:	I-DITc-10	4,0	10	1,3	4,0	4,0	3,0
OMP	I-DITc-11,5	4,0	11,5	1,3	4,0	4,0	3,0
COI	I-DITc-13	4,0	13	1,3	4,0	4,0	3,0
	I-DITc-14,5	4,0	14,5	1,3	4,0	4,0	3,0



Ø3

AL	code	Ø implant	h	h1	Ø1	Ø2	Ø3
COMPONENTS PLATFORM NORM	I-LITc-8,5	4,5	8,5	1,3	4,5	4,5	3,2
	I-LITc-10	4,5	10	1,3	4,5	4,5	3,2
	I-LITc-11,5	4,5	11,5	1,3	4,5	4,5	3,2
	I-LITc-13	4,5	13	1,3	4,5	4,5	3,2
	I-LITc-14,5	4,5	14,5	1,3	4,5	4,5	3,2

S	code	Ø implant	h	h1	Ø1	Ø2	Ø3
COMPONENTS PLATFORM LARGE	I-CITc-8,5	5	8,5	1,3	5,0	5,0	3,4
OR S	I-CITc-10	5	10	1,3	5,0	5,0	3,4
	I-CITc-11,5	5	11,5	1,3	5,0	5,0	3,4
	I-CITc-13	5	13	1,3	5,0	5,0	3,4
ш	code	Ø	h	h1	Ø1	Ø2	Øз

TS RGE	code	implant	h	h1	Ø1	Ø2	Ø3
MLAF	I-GITc-8,5	6	8,5	1,3	6,0	6,0	4,4
APO FORM	I-GITc-10	6	10	1,3	6,0	6,0	4,4
PLATI	I-GITc-11,5	6	11,5	1,3	6,0	6,0	4,4
	I-GITc-13	6	13	1,3	6,0	6,0	4,4

= length

h1 = transmucous height

= max coronal diameter

Ø2 = max thread diameter

Ø3 = apical diameter

For the prosthetic components platform normal see page 67 For the prosthetic components platform large see page 77 For the instruments see page 85

Conical implants with polished neck



Pilot drill

S-FS00 Ø 1,8 mm

Conical drills with depth markings



Code	Final		height (mm)							
Code	for implants with Ø mm	8,5	10	11	11,5	12	13	14	14,5	16
S-FS35	3,5									
S-FS40	4,0									
S-FS45	4,5									
S-FS50	5,0									
S-FS60	6,0									

Guidelines for the use of drills for conical implants

These drills have the characteristic to recover the bone during the drilling (which, if necessary, can be used for bone regeneration - as autologuos bone graft). Thus, it is important to clean the cavity of the cutter to ensure an optimal cutting during the preparation of the implant site.

Note: The black marking indicates height, while the colored insert (marking) indicates diameter.



Bone tap

Code	Final		height (mm)							
Code	for implants with Ø mm	8,5	10	11	11,5	12	13	14	14,5	16
S-BCM	3,5									
S-DCM	4,0									
S-LCM	4,5									
S-CCM	5,0									
S-GCM	6,0									

SURGICAL PROTOCOL

CONICAL IMPLANT WITH POLISHED NECK ø 3,5 h 12



CONICAL IMPLANT WITH POLISHED NECK ø 4 h 11,5



CONICAL IMPLANT WITH POLISHED NECK ø 4,5 h 11,5



CONICAL IMPLANT WITH POLISHED NECK ø 5 h 11,5



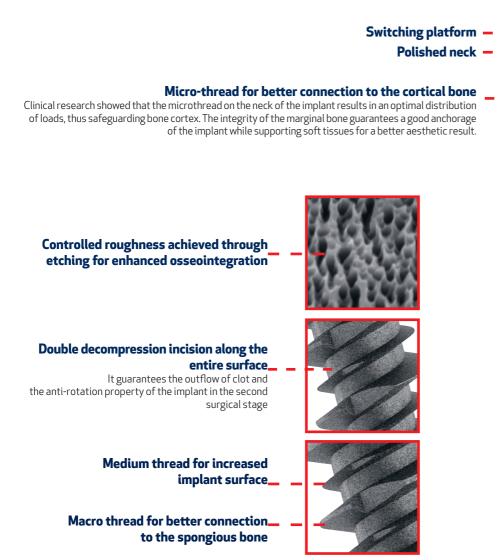
CONICAL IMPLANT WITH POLISHED NECK ø 6 h 11,5



In bone type
 D1 and D2 use intermediate drill

PLUS CONICAL IMPLANTS WITH INTERNAL HEXAGON CONNECTION - DOUBLE THREAD

MORPHOLOGY



Implant system TECNOMED PLUS has an implant geometry characterized by a double thread intended to increase, by about 25%, the contact surface bone-implant. Implant's wider thread guarantees an excellent primary stability, and it is therefore particularly indicated in bone classes D3-D4, while the smaller spire contributes to the secondary stability, that is, to osse-ointegration. These implants have been studied both for flap insertion technique (two-stage surgery) and flapless insertion technique (one-stage surgery). Since they have a very aggressive thread, they are indicated for immediate loading, as long as the fixture has an excellent primary stability and a minimal length of 12 mm. The implant has 2 mm hi-polished neck that is used as a tansmucosal part.

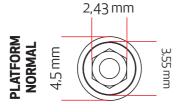
It is necessary to use bone taps in case of compact bone D1 and D2. Appropriate extension S-IP should be used to avoid stressing the connection implant-mounter (see page 89).

PLUS - Conical implants with internal hexagon connection - double thread

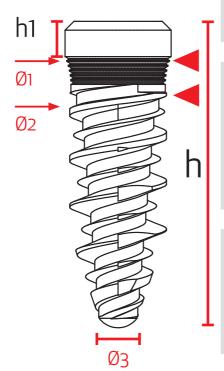
Dimensions of the connection



3,5 mm diameter



4,0 - 4,5 - 5,0 - 5,5 - 6,0 mm diameter



S MAL	code	Ø implant	n. spire	h	h1	Ø1	Ø2	Ø3
N N N N N N N N N N N N N N N N N N N	I-IVT3,5-3-Tr-PLUS	3,5	3	11	1,3	4,0	3,5	1,6
S S	I-IVT3,5-4-Tr-PLUS	3,5	4	13	1,3	4,0	3,5	1,6
AFE	I-IVT3,5-5-Tr-PLUS	3,5	5	15	1,3	4,0	3,5	1,6
귙	I-IVT3,5-6-Tr-PLUS	3,5	6	17	1,3	4,0	3,5	1,6

S	code	Ø implant	n. spire	h	h1	Ø1	Ø2	Ø3
NON	I-IVT4-3-Tr-PLUS	4,0	3	11	1,3	4,5	4,0	1,6
APO ORM	I-IVT4-4-Tr-PLUS	4,0	4	13	1,3	4,5	4,0	1,6
ATFO	I-IVT4-5-Tr-PLUS	4,0	5	15	1,3	4,5	4,0	1,6
굽	I-IVT4-6-Tr-PLUS	4,0	6	17	1,3	4,5	4,0	1,6

S	code	Ø implant	n. spire	h	h1	Ø1	Ø2	Ø3
NENT	I-IVT4,5-3-Tr-PLUS	4,5	3	11	1,3	4,5	4,5	1,6
APO NRM	I-IVT4,5-4-Tr-PLUS	4,5	4	13	1,3	4,5	4,5	1,6
AH	I-IVT4,5-5-Tr-PLUS	4,5	5	15	1,3	4,5	4,5	1,6
귑	I-IVT4,5-6-Tr-PLUS	4,5	6	17	1,3	4,5	4,5	1,6

AL	code	Ø implant	n. spire	h	h1	Ø1	Ø2	Ø3
NTS DRM/	I-IVT5-2-Tr-PLUS	5,0	2	9	1,3	4,5	5,0	1,8
N N N	I-IVT5-3-Tr-PLUS	5,0	3	11	1,3	4,5	5,0	1,6
OMP FOR	I-IVT5-4-Tr-PLUS	5,0	4	13	1,3	4,5	5,0	1,6
PLA	I-IVT5-5-Tr-PLUS	5,0	5	15	1,3	4,5	5,0	1,6
	I-IVT5-6-Tr-PLUS	5,0	6	17	1,3	4,5	5,0	1,6

S	code	Ø implant	n. spire	h	h1	Ø1	Ø2	Ø3
N N N N N N N N N N N N N N N N N N N	I-IVT5,5-3-Tr-PLUS	5,5	3	11	1,3	4,5	5,5	1,6
APO ORM	I-IVT5,5-4-Tr-PLUS	5,5	4	13	1,3	4,5	5,5	1,6
AFIC	I-IVT5,5-5-Tr-PLUS	5,5	5	15	1,3	4,5	5,5	1,6
置	I-IVT5,5-6-Tr-PLUS	5,5	6	17	1,3	4,5	5,5	1,6

ONENTS M NORMAL	code	Ø implant	n. spire	h	h1	Ø1	Ø2	Ø3
COMPC	I-IVT6-2-Tr-PLUS	6,0	2	9	1,3	4,5	6,0	1,8

= length

h1 = transmucous height

Ø1 = max coronal diameter

Ø2 = max thread diameter

Ø3 = apical diameter

For the prosthetic components platform normal see page 67 For the instruments see page 85

PLUS - Conical implants with internal hexagon connection - double thread



Pilot drill

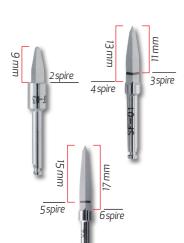
S-FS00 ø 1,8 mm



Conical drills with depth markings

Code	Final		ŀ	neight (mm)	
Code	for implants with Ø mm	10	11	12	14	16
S-FS35	3,5					

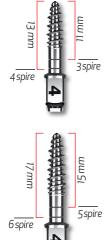
Note: The black marking indicates height, while the colored insert (marking) indicates diameter.



Conical drills with depth markings

C 1		Number of coils								
Code	2 (h 9 mm)	3 (h 11 mm)	4 (h 13 mm)	5 (h 15 mm)	6 (h 17 mm)					
S-FS01	-			-	-					
S-FS02	-	-	-							
S-FS03		-	-	-	-					

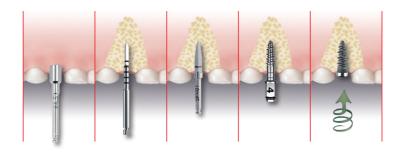
Bone tap



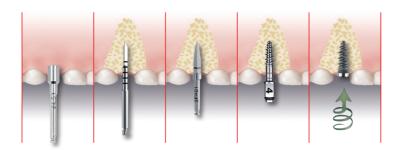
Code	Final		Number of coils							
Code	for implants with Ø mm	3 (h 11 mm)	4 (h 13 mm)	5 (h 15 mm)	6 (h 17 mm)					
S-RTM3,5-3/4	3,5				-					
S-RTM3,5-5/6	3,5	-	-							
S-RTM4-3/4	4,0			-	-					
S-RTM4-5/6	4,0	-	-							
S-RTM4,5-3/4	4,5			-	-					
S-RTM4,5-5/6	4,5	-	-							
S-RTM5-3/4	5,0			ı	-					
S-RTM5-5/6	5,0	-	-							
S-RTM5,5-3/4	5,5			-	-					
S-RTM5,5-5/6	5,5	-	_							

SURGICAL PROTOCOL

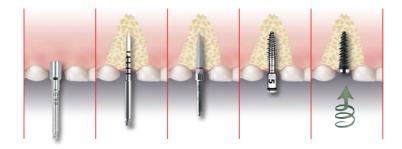
CONICAL IMPLANTS WITH INTERNAL HEXAGON CONNECTION - DOUBLE THREAD ø 4 - 3 COILS h 11



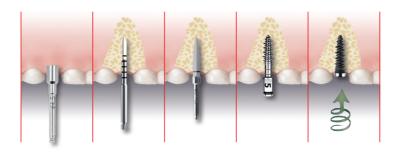
CONICAL IMPLANTS WITH INTERNAL HEXAGON CONNECTION - DOUBLE THREAD Ø 4 - 4 COILS h 13



CONICAL IMPLANTS WITH INTERNAL HEXAGON CONNECTION - DOUBLE THREAD ø 5 - 5 COILS h 15

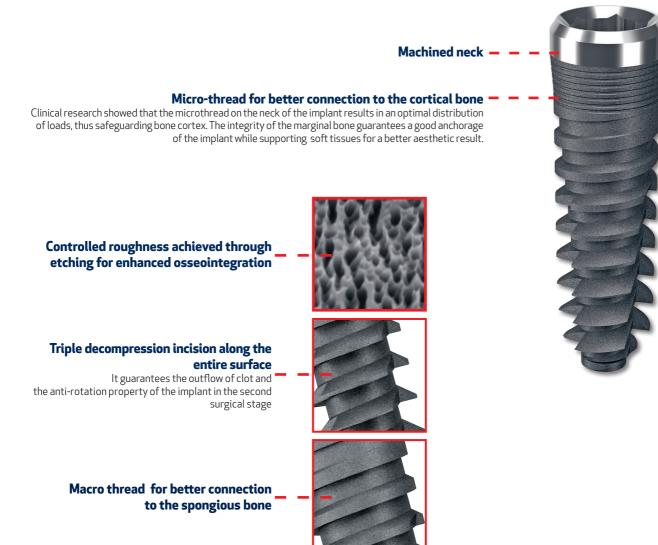


CONICAL IMPLANTS WITH INTERNAL HEXAGON CONNECTION - DOUBLE THREAD ø 5 - 6 COILS h 17



MINITWO-STAGE IMPLANTS

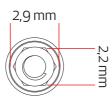
MORPHOLOGY



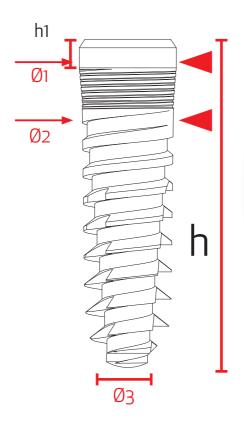
"TIZ" - This particular type of implant is indicated where a use of a normal implant would be too invasive. The indications are: split crest technique, agenesis of lateral incisors and thin alveolar crest. Immediate loading is not advised, except in case of a group of at least 4 implants, for lengths not inferior to 13 mm and ONLY in mandibular area. The implant has a flat cone shape with the apical third being particularly aggressive allowing it to engage better with the bone tissue, a macro threaded body with a 0,95 mm thread pitch for a better grip in the mandible, and the coronal third of the implant micro threaded for a better grip in the cortical bone and a 1 mm polished neck to prevent bone resorption. Other important characteristic is the neck diameter measuring 3.5 mm that allows for aesthetic improvements in the frontal area and favours natural reshaping of both soft and hard tissues.

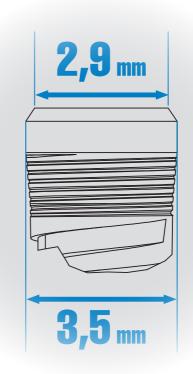
Mini two-stage implants

Dimensions of the connection



S	code	Ø implant	h	h1	Ø1	Ø2	Ø3
IZ TOTAL	I-ZIT-10	3,5	10	1	3,5	3,2	1,5
N N N N N N N N N N N N N N N N N N N	I-ZIT-11,5	3,5	11,5	1	3,5	3,2	1,5
QC 6,2	I-ZIT-13	3,5	13	1	3,5	3,2	1,5
8	I-ZIT-14,5	3,5	14,5	1	3,5	3,2	1,5





h = length h1 = transmucous height Ø1 = max coronal diameter

Ø2 = max thread diameterØ3 = apical diameter

For the prosthetic components see page 79 For the instruments see page 85

Mini two-stage implants



Pilot drill

S-FS00 ø 1,8 mm



Drills with stop of depth ø2 mm

S-FS20-10 S-FS20-11,5 S-FS20-13 S-FS20-14,5



Drills with stop of depth $\emptyset 2,5$ mm

S-FS25-10 S-FS25-11,5 S-FS25-13 S-FS25-14,5

SURGICAL PROTOCOL

BONE TYPE D1/D2 IMPLANT TIZ ø 2,9 h 11,5



BONE TYPE D3/D4 IMPLANT TIZ ø 2,9 h 11,5

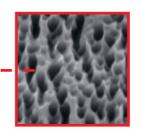


ONE-PIECE IMPLANTS UNIKO

MORPHOLOGY

Micro - thread for better connection to the cortical bone

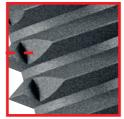
Clinical research showed that the microthread on the neck of the implant results in an optimal distribution of loads, thus safeguarding bone cortex. The integrity of the marginal bone guarantees a good anchorage of the implant while supporting soft tissues for a better aesthetic result.



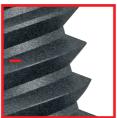




It guarantees the outflow of clot and the antirotation property of the implant in the second surgical stage



Macro thread for better connection to the spongious bone



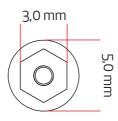




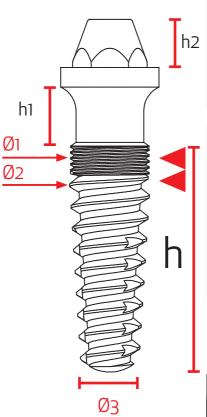
With its morphology UNIKO provides the implant – prosthetic rehabilitation of more than one element, and has been studied for immediate loading both in mandible and maxilla. The simple, unexpensive and little traumatic surgical procedure, joint with a large choice of prosthetic combinations, gives space to a number of solutions usually unthinkable for a one – piece implant. The ideal solution for prosthetic solutions such as overdentures on bars, screwed bridges, cemented bridges, it could be used as an intermediate element in the All on four/All on six protocol. The 3,5 fixture is particularly suited for those crests with reduced cortical bone width.

One-piece implants UNIKO

Dimensions of the connection



	code	Ø implant	collar (mm)	h	h1	h2	Ø1	Ø2	Ø3
UNIKO	UNISOL3,5-10-SP1,5	3,5	1,5	10	1,5	2,5	3,5	3,5	2,2
	UNISOL3,5-10-SP3	3,5	3,0	10	3,0	2,5	3,5	3,5	2,2
NEN.	UNISOL3,5-12-SP1,5	3,5	1,5	12	1,5	2,5	3,5	3,5	2,2
COMPONENTS	UNISOL3,5-12-SP3	3,5	3,0	12	3,0	2,5	3,5	3,5	2,2
8	UNISOL3,5-14-SP1,5	3,5	1,5	14	1,5	2,5	3,5	3,5	2,2
	UNISOL3,5-14-SP3	3,5	3,0	14	3,0	2,5	3,5	3,5	2,2



	code	Ø implant	collar (mm)	h	h1	h2	Ø1	Ø2	Ø3
UNIKO	UNISOL4-10-SP1,5	4,0	1,5	10	1,5	2,5	4,0	4,0	3,0
S	UNISOL4-10-SP3	4,0	3,0	10	3,0	2,5	4,0	4,0	3,0
COMPONENT	UNISOL4-11,5-SP1,5	4,0	1,5	11,5	1,5	2,5	4,0	4,0	3,0
MP0	UNISOL4-11,5-SP3	4,0	3,0	11,5	3,0	2,5	4,0	4,0	3,0
8	UNISOL4-13-SP1,5	4,0	1,5	13	1,5	2,5	4,0	4,0	3,0
	UNISOL4-13-SP3	4,0	3,0	13	3,0	2,5	4,0	4,0	3,0

0	code	Ø implant	collar (mm)	h	h1	h2	Ø1	Ø2	Ø3
UNIKO	UNISOL4,5-10-SP1,5	4,5	1,5	10	1,5	2,5	4,0	4,5	3,2
	UNISOL4,5-10-SP3	4,5	3,0	10	3,0	2,5	4,0	4,5	3,2
COMPONENTS	UNISOL4,5-12-SP1,5	4,5	1,5	11,5	1,5	2,5	4,0	4,5	3,2
MPO	UNISOL4,5-12-SP3	4,5	3,0	11,5	3,0	2,5	4,0	4,5	3,2
8	UNISOL4,5-14-SP1,5	4,5	1,5	13	1,5	2,5	4,0	4,5	3,2
	UNISOL4,5-14-SP3	4,5	3,0	13	3,0	2,5	4,0	4,5	3,2



 ${\sf Example}\ of\ the\ inserted\ UNIKO$

h = length h1 = transmucous height Ø1 = max coronal diameter

Ø2 = max thread diameterØ3 = apical diameter

For the prosthetic components see page 83 For the instruments see page 85

One-piece implants UNIKO



Pilot drill

S-FS00 Ø 1,8 mm

Conical drills with depth markings



Code	Final for implants		ŀ	neight (mm)	
CODE	with Ø mm	10	11,5	12	13	14
S-FS35	3,5		-		-	
S-FS40	4,0			-		-
S-FS45	4,5			-		-

Guidelines for the use of drills for conical implants

These drills have the characteristic to recover the bone during the drilling (which, if necessary, can be used for bone regeneration - as autologuos bone graft). Thus, it is important to clean the cavity of the cutter to ensure an optimal cutting during the preparation of the implant site.

Note: The black marking indicates height, while the colored insert (marking) indicates diameter.

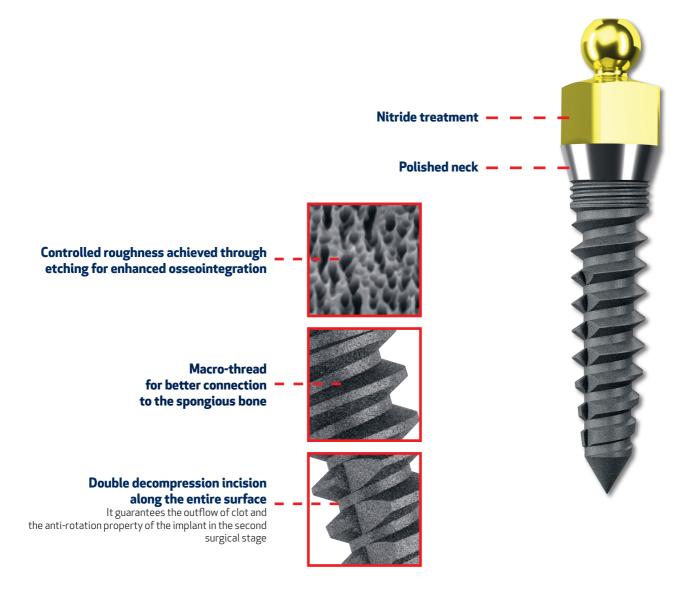
SURGICAL PROTOCOL

ONE-PIECE IMPLANT UNIKO ø 4,0 h 11,5



ONE-PIECE MINI IMPLANTS FOR OVERDENTURE WITH BALL ATTACHMENT

MORPHOLOGY



This implant was exclusively designed for mandibular ridges that are extremely narrow, but have a well-preserved vertical dimension. They are produced in the lengths of 10-12 and 14 mm of the intraosseous part plus 1,3 mm of divergent neck.

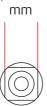
They are inserted exclusively with pilot drill (SF-00), and afterwards, in case of bone type D1 submerge the drill \emptyset 2 mm till the depth stopper or for a half length of the drill in case of bone type D2.

We remind that these implants are **to be used exclusively in the mandible**, in groups of 4 or more implants, making sure that the denture they support is relined and thus, has a passive fit.

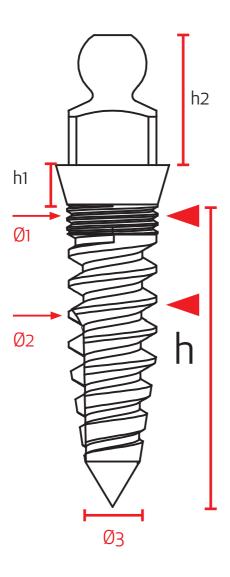
One-piece mini implants for overdenture with ball attachment

Dimensions of the connection





code	Ø implant	h	h1	h2	Ø1	Ø2	Ø3
I-PZT-4	2,5	10	1,3	4,7	3,0	2,7	1,8
I-PZT-5	2,5	12	1,3	4,7	3,0	2,7	1,8
I-PZT-6	2,5	14	1,3	4,7	3,0	2,7	1,8



= length

h1 = transmucous height Ø1 = max coronal diameter

 \emptyset 2 = max thread diameter

Ø3 = apical diameter

For the instruments see page 85

One-piece mini implants for overdenture with ball attachment



Pilot drill

S-FS00 Ø 1,8 mm



Drills with stop of depth ø2 mm

 S-FS20-10
 h 10 mm

 S-FS20-11,5
 h 11,5 mm

 S-FS20-13
 h 13 mm

 S-FS20-14,5
 h 14,5 mm



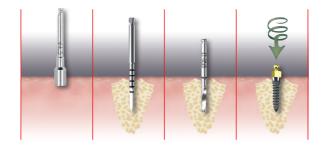
Retaining steel housing with nylon insert

CP-AC Steel housing

CP-ANC Orange nylon insert (soft)
CP-RNC Red nylon insert (medium)
CP-VNC Green nylon insert (hard)

SURGICAL PROTOCOL

ONE-PIECE MINI IMPLANTS FOR OVERDENTURE TZP-5 ø 2,5 h 12





Single-phase line of implants is indicated in bone classed D1, D2 and D3 and has been studied for immediate loading both in mandible and maxilla, allowing with its wide abutment the correction of mild discrepancies in parallel alignment.

The surgical procedure is simple, inexpensive and not very traumatic, so it allows for the situations of total or partial edentulism to be solved in a single surgery. The fixture diameter 3,5 mm is particularly indicated for narrow alveolar ridge.

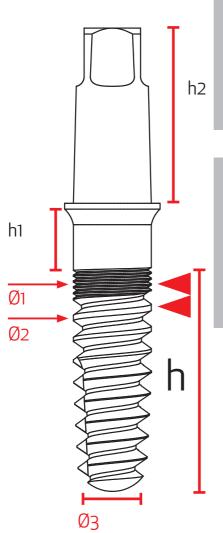
It comes with a snap-on comfort cap that can be used as temporary abutment.

One-piece implants with medium thread

Dimensions of the connection



code	Ø implant	collar (mm)	h	h1	h2	Ø1	Ø2	Ø3
I-MVT3,5-10-SP1,5	3,5	1,5	10	1,5	9	3,5	3,5	2,2
I-MVT3,5-10-SP3	3,5	3,0	10	3	9	3,5	3,5	2,2
I-MVT3,5-11,5-SP1,5	3,5	1,5	11,5	1,5	9	3,5	3,5	2,2
I-MVT3,5-11,5-SP3	3,5	3,0	11,5	3	9	3,5	3,5	2,2
I-MVT3,5-13-SP1,5	3,5	1,5	13	1,5	9	3,5	3,5	2,2
I-MVT3,5-13-SP3	3,5	3,0	13	3	9	3,5	3,5	2,2



code	Ø implant	collar (mm)	h	h1	h2	Ø1	Ø2	Ø3
I-MVT4-10-SP1,5	4,0	1,5	10	1,5	9	4,0	4,0	3,0
I-MVT4-10-SP3	4,0	3,0	10	3	9	4,0	4,0	3,0
I-MVT4-11,5-SP1,5	4,0	1,5	11,5	1,5	9	4,0	4,0	3,0
I-MVT4-11,5-SP3	4,0	3,0	11,5	3	9	4,0	4,0	3,0
I-MVT4-13-SP1,5	4,0	1,5	13	1,5	9	4,0	4,0	3,0
I-MVT4-13-SP3	4,0	3,0	13	3	9	4,0	4,0	3,0

code	Ø implant	collar (mm)	h	h1	h2	Ø1	Ø2	Ø3
I-MVT4,5-10-SP1,5	4,5	1,5	10	1,5	9	4,5	4,5	3,2
I-MVT4,5-10-SP3	4,5	3,0	10	3	9	4,5	4,5	3,2
I-MVT4,5-11,5-SP1,5	4,5	1,5	11,5	1,5	9	4,5	4,5	3,2
I-MVT4,5-11,5-SP3	4,5	3,0	11,5	3	9	4,5	4,5	3,2
I-MVT4,5-13-SP1,5	4,5	1,5	13	1,5	9	4,5	4,5	3,2
I-MVT4,5-13-SP3	4,5	3,0	13	3	9	4,5	4,5	3,2

h = length h1 = transmucous height Ø1 = max coronal diameter

Ø2 = max thread diameterØ3 = apical diameter

For the instruments see page 85

One-piece implants with medium thread



Pilot drill

S-FS00 Ø 1,8 mm



Conical drills with depth markings

Code	Final for implants		ŀ	neight (mm)	
Code	with Ø mm	10	11,5	12	13	14
S-FS35	3,5		-		-	
S-FS40	4,0			-		-
S-FS45	4,5			-		-

Guidelines for the use of drills for conical implants

These drills have the characteristic to recover the bone during the drilling (which, if necessary, can be used for bone regeneration - as autologuos bone graft). Thus, it is important to clean the cavity of the cutter to ensure an optimal cutting during the preparation of the implant site.

Note: The black marking indicates height, while the colored insert (marking) indicates diameter.



Snap-on comfort cap

CNUR

SURGICAL PROTOCOL

ONE-PIECE IMPLANTS WITH MEDIUM THREAD Ø 4 h 11,5



ONE-PIECE IMPLANTS WITH WIDE THREAD



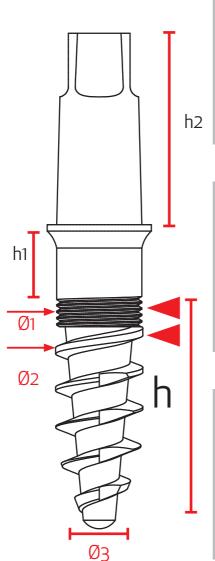
This family of implants units the properties of wide thread implants indicated for immediate loading, with the simplicity of a single-stage implant, offering with its wide abutment optimal prosthetic work even with mild discrepancies in parallel alignment, which makes it indicated even for use in the maxilla. It comes with a snap-on comfort cap that can be used as temporary abutment.

One-piece implants with wide thread

Dimensions of the connection



code	Ø implant	collar (mm)	n. coils	h	h1	h2	Ø1	Ø2	Ø3
I-VT3,5-3-SP1,5	3,5	1,5	3	11	1,5	9	3,5	3,5	2,0
I-VT3,5-3-SP3	3,5	3,0	3	11	3	9	3,5	3,5	2,0
I-VT3,5-4-SP1,5	3,5	1,5	4	13	1,5	9	3,5	3,5	2,0
I-VT3,5-3-SP3	3,5	3,0	4	13	3	9	3,5	3,5	2,0
I-VT3,5-5-SP1,5	3,5	1,5	5	15	1,5	9	3,5	3,5	2,0
I-VT3,5-3-SP3	3,5	3,0	5	15	3	9	3,5	3,5	2,0



code	Ø implant	collar (mm)	n. coils	h	h1	h2	Ø1	Ø2	Ø3
I-VT4-3-SP1,5	4,0	1,5	3	11	1,5	9	3,5	4,0	2,2
I-VT4-3-SP3	4,0	3,0	3	11	3	9	3,5	4,0	2,2
I-VT4-4-SP1,5	4,0	1,5	4	13	1,5	9	3,5	4,0	2,2
I-VT4-4-SP3	4,0	3,0	4	13	3	9	3,5	4,0	2,2
I-VT4-5-SP1,5	4,0	1,5	5	15	1,5	9	3,5	4,0	2,2
I-VT4-5-SP3	4,0	3,0	5	15	3	9	3,5	4,0	2,2

code	Ø implant	collar (mm)	n. coils	h	h1	h2	Ø1	Ø2	Ø3
I-VT4,5-3-SP1,5	4,5	1,5	3	11	1,5	9	3,5	4,5	2,4
I-VT4,5-3-SP3	4,5	3,0	3	11	3	9	3,5	4,5	2,4
I-VT4,5-4-SP1,5	4,5	1,5	4	13	1,5	9	3,5	4,5	2,4
I-VT4,5-4-SP3	4,5	3,0	4	13	3	9	3,5	4,5	2,4
I-VT4,5-5-SP1,5	4,5	1,5	5	15	1,5	9	3,5	4,5	2,4
I-VT4,5-5-SP3	4,5	3,0	5	15	3	9	3,5	4,5	2,4

code	Ø implant	collar (mm)	n. coils	h	h1	h2	Ø1	Ø2	Ø3
I-VT5-3-SP1,5	5,0	1,5	3	11	1,5	9	3,5	5,0	2,6
I-VT5-3-SP3	5,0	3,0	3	11	3	9	3,5	5,0	2,6
I-VT5-4-SP1,5	5,0	1,5	4	13	1,5	9	3,5	5,0	2,6
I-VT5-4-SP3	5,0	3,0	4	13	3	9	3,5	5,0	2,6
I-VT5-5-SP1,5	5,0	1,5	5	15	1,5	9	3,5	5,0	2,6
I-VT5-5-SP3	5,0	3,0	5	15	3	9	3,5	5,0	2,6

h = length h1 = transmucous height Ø1 = max coronal diameter

Ø2 = max thread diameterØ3 = apical diameter

For the instruments see page 85

One-piece implants with wide thread



Pilot drill

S-FS00 Ø 1,8 mm

Conical drills with depth markings for ø 3,5 mm

71	-28X
0.0	

Code	Final for implants with Ø mm	height (mm)			
Code		10	12	14	
S-FS35	3,5				

Guidelines for the use of drills for conical implants

These drills have the characteristic to recover the bone during the drilling (which, if necessary, can be used for bone regeneration - as autologuos bone graft). Thus, it is important to clean the cavity of the cutter to ensure an optimal cutting during the preparation of the implant site.

Note: The black marking indicates height, while the colored insert (marking) indicates diameter.

Conical drills with depth markings per ø 4,0 - 4,5 - 5,0 mm



C 1	Number of coils			
Code	3 (h 11 mm)	4 (h 13 mm)	5 (h 15 mm)	
S-FS01			-	
S-FS02	-	-		

5 spire

Snap-on comfort cap



CNUR

SURGICAL PROTOCOL

ONE-PIECE IMPLANTS WITH WIDE THREAD ø 4 - 4 COILS - h 13



Prosthetic components for conometric connection implants

Konos and Close-BL

Prosthetic components for conometric connection implants



Straight healing titanium abutment ø 4 mm

V-INDT-3-kono s h 3 mm V-INDT-5-kono s h 5 mm



Countersunk healing titanium abutment ø 4,5 mm

V-INST-3-kono s h 3 mm V-INST-5-kono s h 5 mm



Straight titanium abutment ø 4,5 mm

M-INMT-kono sh 9,5 mmh (shoulder) 1,9 mmM-INMT-L-kono sh 9,5 mmh (shoulder) 2,44 mmø6 mm shoulder for molar zone



Cylindric titanium abutment ø 4 mm

M-INMTc-kono s h 9,4 mm



Straight titanium abutment with shoulder ø 4,5 mm

 M-INMTb2-kono s
 h 9,5 mm
 h (shoulder) 2 mm

 M-INMTb3-kono s
 h 10,5 mm
 h (shoulder) 3 mm

 M-INMTb4-kono s
 h 11,5 mm
 h (shoulder) 4 mm

 M-INMTb5-kono s
 h 12,5 mm
 h (shoulder) 5 mm



Drillable overturned cone titanium abutment ø 8 mm

M-NIRCMT-XL-kono s h 9,5 mm h (shoulder) 1,9 mm



15-20-25 degrees angular titanium abutment ø 4,5 mm

 M-INAMT15b2-kono s
 M-INAMT20b2-kono s
 M-INAMT25b2-kono s

 M-INAMT15b3-kono s
 M-INAMT20b3-kono s
 M-INAMT25b3-kono s

 M-INAMT15b4-kono s
 M-INAMT20b4-kono s
 M-INAMT25b4-kono s

 M-INAMT20b5-kono s
 M-INAMT25b5-kono s
 M-INAMT25b5-kono s

 (...)b2
 h 11 mm
 h (shoulder) 2 mm

(...)b2 h 11 mm h (shoulder) 2 mm (...)b3 h 12 mm h (shoulder) 3 mm (...)b4 h 13 mm h (shoulder) 4 mm (...)b5 h 14 mm h (shoulder) 5 mm

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COZOMETRO

Prosthetic components for conometric connection implants



Plastic cylinder with gold base

CP-INUO-kono s



Plastic cylinder

CP-INUR-kono s



Steel analogue

CP-INAS-konos



Titanium fastening screw

CP-KPT



ø 2,2 mm ball titanium abutment with retaining cap ø 4,5 mm

M-INMT P2,2-1-kono s	h 5,2 mm	h (shoulder) 1 mm
M-INMT P2,2-2-kono s	h 6,2 mm	h (shoulder) 2 mm
M-INMT P2,2-3-kono s	h 7,2 mm	h (shoulder) 3 mm
M-INMT P2,2-4-kono s	h 8,2 mm	h (shoulder) 4 mm

necessary driver **S-DCD***



Titanium hemisphere ø 4 mm

E-IKOL-1-kono s	h 4,1 mm	h (shoulder) 1 mm
E-IKOL-2-kono s	h 5,1 mm	h (shoulder) 2 mm
E-IKOL-3-kono s	h 6,1 mm	h (shoulder) 3 mm
E-IKOL-4-kono s	h 7,1 mm	h (shoulder) 4 mm



Steel transfer for dental impressions

CP-INRS-konos

CP-PS01-kono s long fixation screw

Prosthetic components for conometric connection implants



Steel driver

S-DCD*

driver for straight connector



Straight rotating conical titanium connector ø 5 mm

It solves problems of parallelism and provides a passive position of bar and bridges

CP-INOC-D1,5-kono s CP-INOC-D3-konos

h4mm h6,5mm h (shoulder) 1,5 mm h (shoulder) 3 mm

necessary driver **S-DCD*** necessary driver **S-DCD***



17/30 degrees angular rotating conical titanium connector ø 5 mm

It solves problems of parallelism and provides a passive position of bar and bridges

CP-INOC-17-kono s h (shoulder) 1,5 mm h 6,3 mm CP-INOC-30-kono s h 6,6 mm h (shoulder) 1,5 mm



Titanium fastening screw

CP-M1,4 fastening screw between abutment and connector

(both straight and angled)

CP-M1,8/K fastening screw between connector and implant



SPECIAL COMPONENTS FOR NONPARALLEL

Conical rotating abutments for straight and angular connectors

CP-ACUR plastic cylinder with fastening screw CP-M1,4

M-INMT-CP-INOC-A straight titanium abutment with fastening screw CP-M1,4



Plastic cylinder

CP-ACNUR



Healing titanium abutment for CONI



V-CNST-3,5 for both angled and straight h 3,5 mm connectors



Steel analogue for CONI

CP-NAS-K for both 17-30 degrees angled and straight abutment



Steel transfer for dental impressions for CONI

CP-ECRS transfer for both angled and straight multi-unit abutment

CP-PS1,4 long fixation screw

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PLATFORM NORMAL PLATFORM LARGE

LATFORM NORMA



Straight healing titanium abutment ø 4 mm

V-INDT-1,5 h 1,5 mm **V-INDT-3** h 3 mm **V-INDT-5** h 5 mm



Countersunk healing titanium abutment ø 4,5 mm

V-INST-3 h 3 mm **V-INST-5** h 5 mm



Straight titanium abutment ø 4,5 mm

M-INMT h 9,2 mm h (shoulder) 1,35 mm
M-INMT-L ø6 mm shoulder for molar zone
h 9,2 mm h (shoulder) 1,55 mm



Straight zirconium abutment ø 4,5 mm

M-INMZ h 9,2 mm h (shoulder) 1,35 mm



Cylindric titanium abutment ø 4 mm

M-INMTc h 9,2 mm



Cylindric titanium abutment for provisional denture ø 5 mm

Note: ce with hexagon - se without hexagon



Straight titanium abutment with shoulder

M-INMTb1 / M-INMTb2 / M-INMTb3

5 mm h 9,2/10,2/11,2 mm h (shoulder) 1/2/3 mm

M-INMT-L b1 / M-INMT-L b2 / M-INMT-L b3

6 mm h 9,2/10,2/11,2 mm h (shoulder) 1/2/3 mm



Drillable overturned cone titanium abutment

M-NIRCMT level 2 titanium

ø (shoulder) 4,5 mm h (shoulder) 1,2 mm

M-NIRCMT-XL Ø8 mm shoulder for molar zone

h 10,6 mm h (shoulder) 0,7 mm



15 degrees angular zirconium abutment ø 4,5 mm

M-INAMZ15 h 10 mm h (shoulder) 1 mm

FORM NORMA

Prosthetic components for implants with internal hexagon connection



15-20-25-35 degrees angular titanium abutment

M-INAMT15b1/M-INAMT15b2/M-INAMT15b3 M-INAMT20b1/M-INAMT20b2/M-INAMT20b3 M-INAMT25b1/M-INAMT25b2/M-INAMT25b3

(...)b1 ø 4,5 h 10 mm h (shoulder) 1 mm (...)b2 ø 4,5 h 11 mm h (shoulder) 2 mm (...)b3 ø 4,5 h 12 mm h (shoulder) 3 mm h (shoulder) 1 mm h (shoulder) 1 mm



Plastic cylinder with gold base with and without hexagon

CP-INUO-ce CP-INUO-se

Note: ce with hexagon - **se** without hexagon



Aesthetic titanium base with and without hexagon

CP-INBT-ce CP-INBT-se

Note: ce with hexagon - **se** without hexagon



Plastic cylinder with and without hexagon

CP-INUR-ce CP-INUR-se

Note: ce with hexagon - se without hexagon



Plastic bar with titanium connector

CP-CAVAC steel knight connector

CP-CRB castable plastic bar, length 55 mm - ø 1,9 mm



Titanium connector from internal to external hexagon connection

Transforms the connection from inside to outside hexagon with 0,7 mm high hexagon

CP-NEIT1 converter form INT/EXT hexagon connection with collar h.1 mm converter form INT/EXT hexagon connection with collar h.2 mm

CP-ENUR-ce castable plastic cylinder **CP-ENUR-se** castable plastic cylinder

Note: ce with hexagon - se without hexagon





ø 2,2 mm ball titanium abutment with retaining cap ø 3,55 mm

 M-INMT P2,2-0
 h 3,6 mm
 h (shoulder) 0 mm

 M-INMT P2,2-1
 h 4,4 mm
 h (shoulder) 1 mm

 M-INMT P2,2-2
 h 5,4 mm
 h (shoulder) 2 mm

 M-INMT P2,2-3
 h 6,4 mm
 h (shoulder) 3 mm

 M-INMT P2,2-4
 h 7,4 mm
 h (shoulder) 4 mm



Retaining steel housing with nylon insert

CP-AC Steel housing

CP-ANC
CP-ANR
CP-ANV
Orange nylon insert (soft)
Red nylon insert (medium)
Green nylon insert (hard)



Titanium retaining cap for ball abutment

CP-CT00-2,2 Titanium retaining cap for ball abutment Ø2,2 mm **CP-CT00-3,0** Titanium retaining cap for ball abutment Ø3 mm



Titanium hemisphere ø 3,5 mm

E-IKOL This type of hemisphere (E-IKOL) is produced in

2,2/3/4/5/6 mm high respectively 0/1/2/3/4 mm shoulder high



Retaining steel housing with nylon replacement

CP-ALC Steel housing

CP-RLC Red replacement (soft)

CP-GLC Yellow replacement (extrasoft)
CP-BLC White replacement (medium)
Violet replacement (hard)

CP-NLC Black replacement (non retentive)



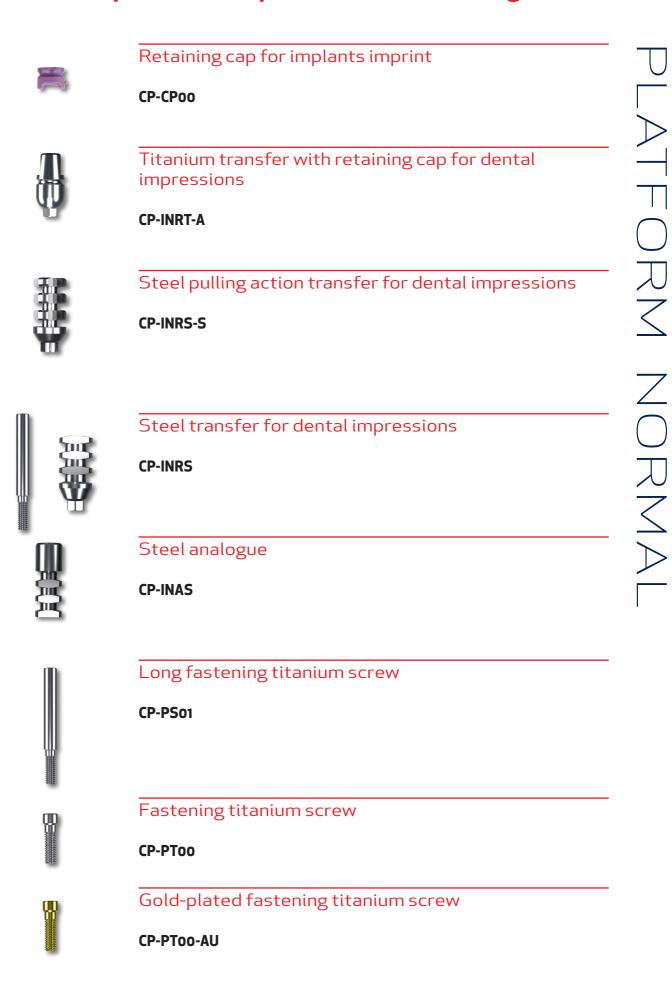
Protective disk

CP-PSD



Steel analogue

CP-NAS-P2,2 for ball abutment with ø 2,2 mm



PLATFORM NORMA



Steel driver

S-DCD*

driver for straight connector



Multi Unit Straight ø 5 mm

It solves problems of parallelism and provides a passive position of bar and bridges.

S-DCD*

S-DCD*

S-DCD*

S-DCD*

'	'	' '	'
CP-INOC-D1,5 CP-INOC-D3 CP-INOC-D4 CP-INOC-D5	h 4,5 mm h 5,5 mm h 6,7 mm h 7,7 mm	h (shoulder) 1,5 mm h (shoulder) 3 mm h (shoulder) 4,2 mm h (shoulder) 5,2 mm	necessary driver necessary driver necessary driver necessary driver



17/30 degrees angular rotating conical titanium connector ø 5 mm

It solves problems of parallelism and provides a passive position of bar and bridges.

CP-INOC-17	h 4,1 mm	h (shoulder) 1,6 mm
CP-INOC-30	h4mm	h (shoulder) 1,45 mm



Extension Multi Unit ø 4 mm

CP-INOC-P4 h3mm **CP-INOC-P4** h4mm **CP-INOC-P5** h5mm



Fastening titanium screw

CP-M1,4 fastening screw between abutment and connector

(both straight and angled)

CP-M1,8/A fastening screw between connector and implant

CP-M1,8/A-3 fastening screw for P3-CONI fastening screw for P4-CONI fastening screw for P5-CONI



Conical rotating abutments for straight and angular connectors

CP-ACUR plastic cylinder with fastening screw CP-M1,4 **M-INMT-CP-INOC-A** straight titanium abutment with fastening screw CP-M1,4



Prosthetic components for implants with internal hexagon connection



Plastic cylinder

CP-ACNUR



Healing titanium abutment for CONI

V-CNST-3,5 for both angled and straight abutment h 3,5 mm



Steel analogue for CONI

CP-NAS-K for both 17-30 degrees angled and straight

abutment



Steel transfer for dental impressions for CONI

CP-ECRS transfer for both angled and straight multi-unit

abutment

CP-PS1,4 long fixation screw

ORY ZORYA

Prosthetic components for implants with internal hexagon connection

21 ATFORM NORMA 5 mm HIGH SHOR SPECIAL COMPONENTS



Fastening titanium screw

CP-PT00-S This screw is to be used only with 5mm SHORT implants with all the

abutments on this page



Countersunk healing titanium abutment ø 4,5 mm

V-INST-3-S h3mm



Steel transfer for dental impressions

CP-INRS

CP-PS01-S long fastening screw for transfer



Straight titanium abutments

M-INMTc cylindrical abutment \emptyset 4 mm h 9,2 mm **M-INMT** \emptyset 4,5 mm h 9,2 mm h (shoulder) 1,35 mm

M-INMT-L ø6 mm shoulder for molar zone

h 9,2 mm h (shoulder) 1,35 mm



Straight titanium abutments with shoulder

M-INMTb1 / M-INMTb2 / M-INMTb3

5 mm h 9,2/10,2/11,2 mm h (shoulder) 1/2/3 mm

M-INMT-L b1 / M-INMT-L b2 / M-INMT-L b3

6 mm h 9,2/10,2/11,2 mm h (shoulder) 1/2/3 mm



Drillable overturned cone titanium abutments

M-NIRCMT ø (shoulder) 4,5 mm h 8,2 mm h (shoulder) 1,2 mm

level 2 titanium

M-NIRCMT-XL Ø8 mm shoulder for molar zone

h 10,6 mm h (shoulder) 0,7 mm



Straight/15 degrees angular zirconium abutment

M-INMZstraight abutmenth 9,2 mmh (shoulder) 1,35 mmM-INAMZ15angled abutmenth 10 mmh (shoulder) 1 mm

SPECIAL COMPONENTS FOR SHORT IMPLANTS 5 mm HIGH

Prosthetic components for implants with internal hexagon connection



15-20-25-35 degrees angular titanium abutment

M-INAMT15b1/M-INAMT15b2/M-INAMT15b3 M-INAMT20b1/M-INAMT20b2/M-INAMT20b3 M-INAMT25b1/M-INAMT25b2/M-INAMT25b3

()b1 ø 4,5	h 10 mm	h (shoulder) 1 mm
()b2 ø 4,5	h 11 mm	h (shoulder) 2 mm
()b3 ø 4,5	h 12 mm	h (shoulder) 3 mm
M-INAMT35 ø 5	h 9,1 mm	h (shoulder) 1 mm



Plastic cylinder with gold base with and without hexagon

CP-INUO-ce CP-INUO-se

Note: ce with hexagon - **se** without hexagon



Plastic cylinder with and without hexagon

CP-INUR-ce CP-INUR-se

Note: ce with hexagon - **se** without hexagon

TFORK ZORNAL

PRODUCT CATALOG 2017 75

Prosthetic components for implants with internal hexagon connection



Straight healing titanium abutment ø 5 mm

M-IKDT-3 h 3 mm h 5 mm



Countersunk healing titanium abutment ø 5,5 mm

M-IKST-3 h 3 mm **M-IKST-5** h 5 mm



Straight titanium abutment ø 5,5 mm

M-IKMT h 10 mm h (shoulder) 0,75 mm



PLATFORM LAR

Cylindric titanium abutment ø 5 mm

M-IKMTc h 9 mm



Straight titanium abutment with shoulder ø 5,5 mm

M-IKMTb1 / M-IKMTb2 / M-IKMTb3

h 9/10/11 mm h (shoulder) 1/2/3 mm



Drillable overturned cone titanium abutment

M-KIRCMT ø (shoulder) 5,5 mm h 8,4 mm h (shoulder) 1,45 mm level 2 titanium



15-20 degrees angular titanium abutment ø 5,5 mm

M-IKAMT15/M-IKAMT20 h 9,5/9,6 mm h (shoulder) 0,75/0,75 mm



Plastic cylinder with gold base with and without hexagon

CP-IKUO-ce CP-IKUO-se

Note: ce with hexagon - se without hexagon



Plastic cylinder with and without hexagon

CP-IKUR-ce CP-IKUR-se

Note: ce with hexagon - **se** without hexagon



Plastic bar with titanium connector

CP-CAVAC steel knight connector

CP-CRB castable plastic bar, length 55 mm - ø 1,9 mm

Prosthetic components for implants with internal hexagon connection





ø 2,2 mm ball titanium abutment with retaining cap ø 4 mm

 M-IKMT P2,2-0
 h 3,75 mm
 h (shoulder) 0 mm

 M-IKMT P2,2-2
 h 5,5 mm
 h (shoulder) 2 mm

 M-IKMT P2,2-3
 h 6,5 mm
 h (shoulder) 3 mm



Retaining steel housing with nylon insert

CP-AC Steel housing

CP-ANC Orange nylon insert (soft)
CP-ANR Red nylon insert (medium)
CP-ANV Green nylon insert (hard)



Protective disk

CP-PSD



Titanium retaining cap for ball abutment

CP-CT00-2,2 Titanium retaining cap for ball abutment Ø2,2 mm **CP-CT00-3,0** Titanium retaining cap for ball abutment Ø3 mm



Steel analogue

CP-NAS-P2,2 for ball abutment ø 2,2 mm

Prosthetic components for implants with internal hexagon connection Retaining cap for implants imprint PLATFORM LARG **CP-CP00** Titanium transfer with retaining cap for dental impressions **CP-IKRT-A** Steel transfer for dental impressions **CP-IKRS** Steel analogue **CP-IKAS** Long fastening titanium screw CP-PS02 Fastening titanium screw CP-PT01 Gold plated fastening screw CP-PT01-AU

Prosthetic components for Ø 2,9 mm
TIZ/TIAZ connection

Prosthetic components for Ø 2,9 mm TIZ/TIAZ connection



Countersunk healing titanium abutment ø 3,5 mm

V-IZST-3 h 3 mm **V-IZST-5** h 5 mm



IZ/TIA7

Straight titanium abutment ø 4,5 mm

M-IZMT h 9 mm h (shoulder) 1,4 mm



Cylindric titanium abutment ø 3,5 mm

M-IZMTc h 8,7 mm



Straight titanium abutment with shoulder ø 4,5 mm

M-IZMTb1 h 9 mm h (shoulder) 1 mm **M-IZMTb2** h 10 mm h (shoulder) 2 mm



15/20/25 degrees angular titanium abutment ø 4,5 mm

M-IZAMT15 h 10 mm h (shoulder) 1 mm **M-IZAMT20** h 9,5 mm h (shoulder) 1 mm **M-IZAMT25** h 9,2 mm h (shoulder) 1 mm



Plastic cylinder with gold base with and without hexagon

CP-IZUO-ce CP-IZUO-se

Note: ce with hexagon - se without hexagon



Plastic cylinder with and without hexagon

CP-IZUR-ce CP-IZUR-se

Note: ce with hexagon - se without hexagon



Plastic bar with titanium connector

CP-CAVAC steel knight connector

CP-CRB castable plastic bar, length 55 mm - ø 1,9 mm

Prosthetic components for Ø 2,9 mm TIZ/TIAZ connection





ø 2,2 mm ball titanium abutment with retaining cap ø 3,4 mm

 M-IZMT P2,2-0
 h 3,9 mm
 h (shoulder) 0 mm

 M-IZMT P2,2-1
 h 4,7 mm
 h (shoulder) 1 mm

 M-IZMT P2,2-2
 h 5,7 mm
 h (shoulder) 2 mm

 M-IZMT P2,2-3
 h 6,7 mm
 h (shoulder) 3 mm



Retaining steel housing with nylon insert

CP-AC Steel housing

CP-ANC
CP-ANR
CP-ANV
Orange nylon insert (soft)
Red nylon insert (medium)
Green nylon insert (hard)



Titanium hemisphere

E-IZOL Tis type of hemisphere (E-IZOL) is produced in

2,2/3/4/5 mm high respectively 0/1/2/3 mm shoulder high



Retaining steel housing with nylon replacement

CP-ALC Steel housing

CP-RLC Red replacement (soft)

CP-GLC Yellow replacement (extrasoft)
CP-BLC White replacement (medium)
CP-VLC Violet replacement (hard)

CP-NLC Black replacement (non retentive)



Protective disk

CP-PSD



Steel analogue

CP-IZAS

CP-NAS-P2,2 for ball titanium abutment ø 2,2 mm



Steel transfer for dental impressions

CP-IZRS



CP-PS01-Z



Fastening titanium screw

CP-PT00-Z

Prosthetic components for Ø 2,9 mm TIZ/TIAZ connection



Steel driver

S-DCD* driver for straight connector



Straight rotating conical titanium connector ø 5 mm

It solves problems of parallelism and provides a passive position of bar and bridges.



CP-IZOC-D 1,5 h 4 mm h (shoulder) 1,5 mm necessary driver **S-DCD*** **CP-IZOC-D3** h 6,5 mm necessary driver S-DCD* h (shoulder) 3 mm



17 degrees angular rotating conical titanium connector ø 5 mm

It solves problems of parallelism and provides a passive position of bar and bridges.

CP-IZOC-17

h4mm

h (shoulder) 1,5 mm



Healing titanium abutment for COZI-D

V-CNST-3,5

for straight connectors h 3,5 mm



Fastening titanium screw

CP-M1,4 fastening screw between abutment and connector

(both straight and angled)

CP-M1,6/A fastening screw for angled connector



Conical rotating abutment for straight and angular connector

CP-ACUR plastic cylinder with fastening screw CP-M1,4

M-INMT-CP-INOC-A straight titanium abutment with fastening screw CP-M1,4



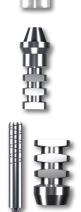
Plastic cylinder

CP-ACNUR



Steel analogue for COZI

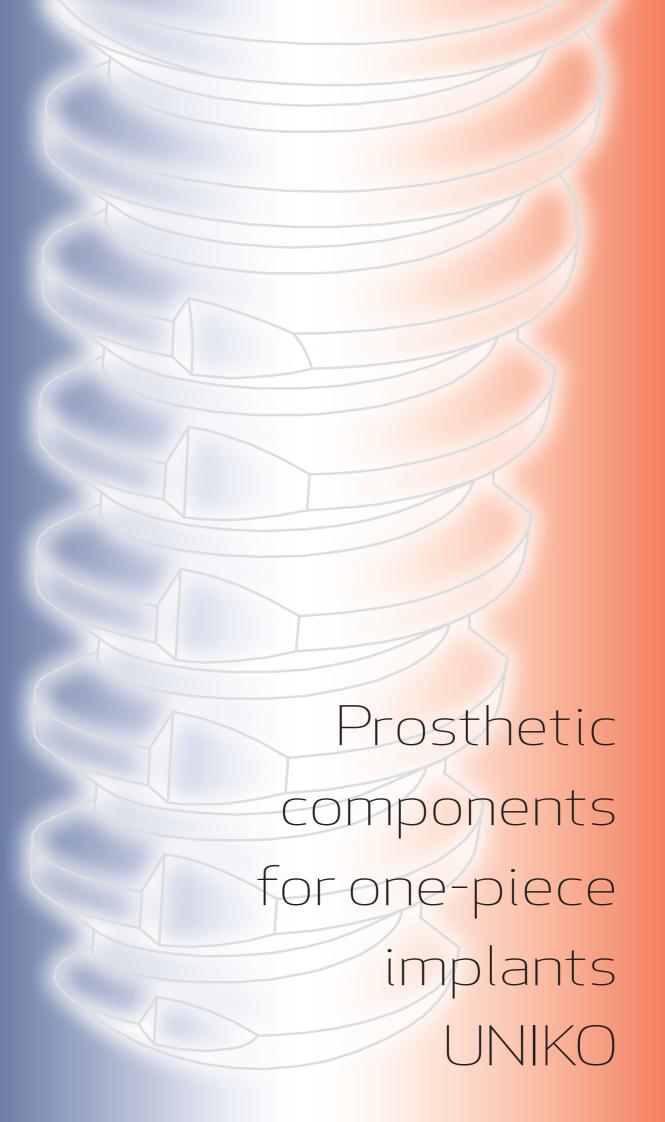
CP-NAS-K for both angled and straight connectors



Steel transfer for dental impressions for COZI

CP-ECRS for both angled and straight connectors

CP-PS1,4 long fixation screw





Conic rotating abutment

CP-ACUR plastic cylinder with fastening screw **M-INMT-CP-INOC-A** straight titanium abutment with fastening screw



Plastic cylinder

CP-ACNUR



Healing abutment for UNIKO

V-CNST-3,5



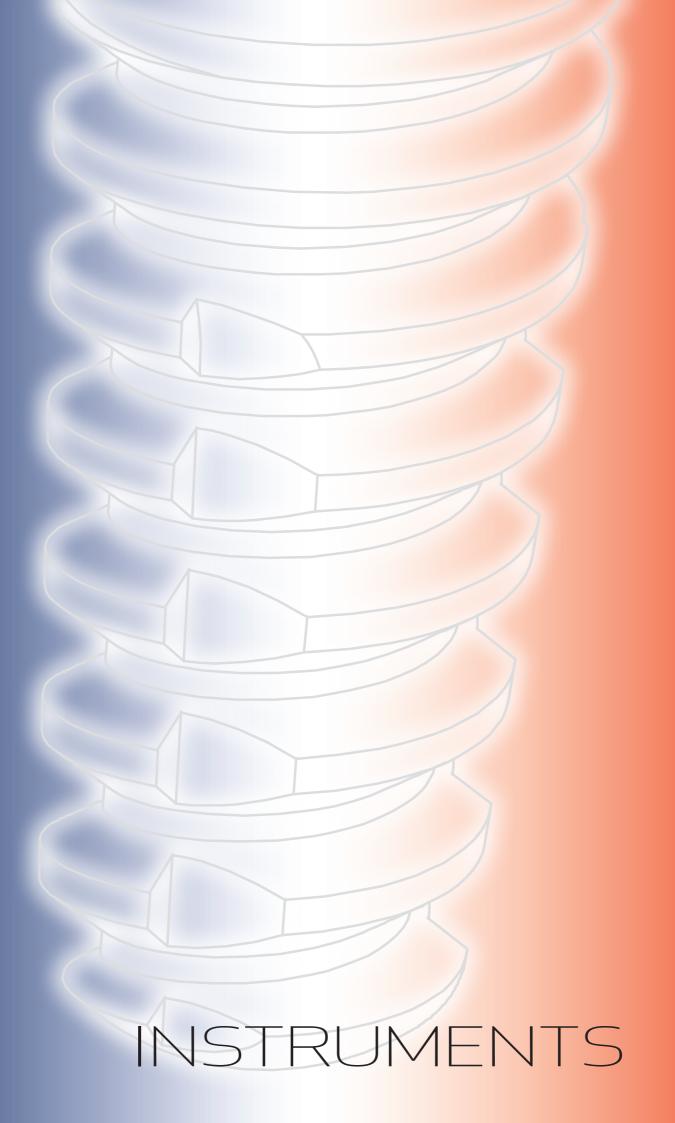
Steel analogue for UNIKO

CP-NAS-K



Transfer for UNIKO

CP-ECRS



4x4 mm connection ratchet wrench

S-TS-00



Adjustable dynamometric key



dynamometric key from 15 to 35 NW complete with insert dynamometric key 25 to 75 NW complete with insert

extension for fastening screws 1,28 mm extension for fastening screws 0,9 mm



4x4 mm square head driver

S-GS-00



Block mount key

S-CMBS



1,28 mm hex. pen driver for fastening screws with

S-IKS-P



0,9 mm hex. pen driver for cover screws

S-EKS-P





1,28 mm hex. digital driver for fastening screws

S-IKS-2R h 2 mm **S-IKS-10** h 10 mm h 13 mm



0,9 mm hex. digital driver for cover screws

S-EKS-10R h 10 mm **S-EKS-13R** h 13 mm



Driver with holder

774CHE



Holder*

774HC

* Product by RHEIN83



Handpiece driver

S-HS09 0,9 mm point

Handpiece driver

S-HS13 1,28 mm point

Handpiece driver

S-HS13c 1,28 mm point for 17 connector fastening screw

Manual support for handpiece drivers

S-MCP

4x4 mm connection ratched extension

S-IS-10 h 10 mm **S-IS-15** h 15 mm

4x4 mm to 3x3 mm connection ratched extension

S-VIS

Drill extension

S-FPS

Handpiece driver

S-DS-00



Drivers for internal hexagon implants with mount

S-IP implants with PLATFORM NORMAL connection implants with PLATFORM LARGE connection

S-IP-Z implants with TIZ-TIAZ connection

User guide for internal hexagon implants with mount device

Internal hexagon implants could be sold with a mount. However this device has a hole for the fastening screw that weakens the screwing power with consequent device's breakage risk. The **S-IP** driver has a full hexagon that lets you use all the screwing power you need without risk. Once the implant is inserted fo 3/4 of its deep, remove the mount device with its screw, then insert the PI and finish to screw the implant with a ratchet.



O-ring drivers for internal hexagon mountless implants

S-IP-M for implants with PLATFORM NORMAL connection for implants with PLATFORM LARGE connection for implants with Ø 2,9 mm TIZ/TIAZ connection



Handpiece o-ring drivers for mountless internal hexagon implants

S-IPS-M normal for implants with PLATFORM NORMAL connection short for implants with PLATFORM NORMAL connection normal for implants with PLATFORM LARGE connection short for implants with PLATFORM LARGE connection short for implants with Ø 2,9 mm TIZ/TIAZ connection



Driver

S-MS-01



Mucotome

S-DS-03 Ø3 mm **S-DS-04** Ø4 mm **S-DS-05** Ø5 mm



Contra-angle mucotome

S-UMC-450 external Ø4,5 mm - internal Ø3,5 mm external Ø5,1 mm - internal Ø4,1 mm



Digital driver for bone tap

S-VS-PT



Bone tap to correct the internal thread

S-VS-PT00 for implants con filetto CP-M1,8 **S-VS-PT01** for implants con filetto M2



Trephing burs with depth markings

S-RCF3 ø internal 3 mm S-RCF4 ø internal 4 mm S-RCF5 ø internal 5 mm



Conometric implants puller

S-SE-00-kono s

Guidelines for the use of bone expanders



• Guidelines for the insertion of implants

Use the pilot drill for the entire depth of the implant.

Expander No. S-1400 intermediate passage.

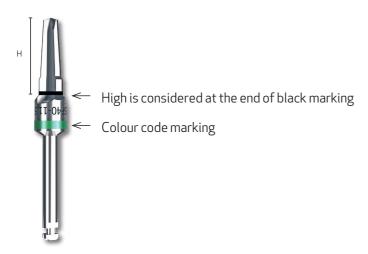
Expander No. S-1400/A for the insertion of conical implants ø 3,5 mm.

Expander No. S-1400/B for the insertion of conical implants ø 4 e 4,5 mm (and implants with wide thread).

Expander No. S-1400/C for crestal sinus.

Note: this kit can be used for the expansion of the bone after the split crest procedure was done with chisel or with piezoelectric technique.

Guidelines for the use of drills for conical implants





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