iRES®

complete solutions for oral surgery

OUR **IMPLANT SYSTEMS**

RELIABLE, EFFICIENT, SAFE

Implants Catalog

iRES

Swiss implant quality

INDEX

Implant systems

ShapeOne®	p. 04
iMAX®	p. 05
iMAX® NHSIC	p. 06
iMAXMUA®	p. 07
Volution®	p. 08
ShapeMini	p. 09
Price list	p. 10
Colors implant systems	p. 11
Implant connections	p. 14
Management of soft tissues	p. 15
Surface treatment	p. 16
Cytotoxicity test	p. 17
Cold plasma decontamination	p. 17
Sterilization & packaging	p. 17

Prosthetic solutions

Internal hex	p. 20
External hex	p. 28
Conical connection	p. 34
Internal octagon	p. 38
ShapeMini	p. 40
MUA components	p. 41
Accessories, rings and retaining caps	p. 43
Digital prosthetic solutions	p. 45

Kit and instruments

Surgical kit	p. 49
Drills	p. 50
Countersinks	p. 51
Taps	p. 51
Stops	p. 51
Dynamometer ratchet	p. 52
Surgical kit composition	p. 53
Prosthetic kit composition	p. 59
Ergo kit composition	p. 60
Sinus lift kit composition	p. 61

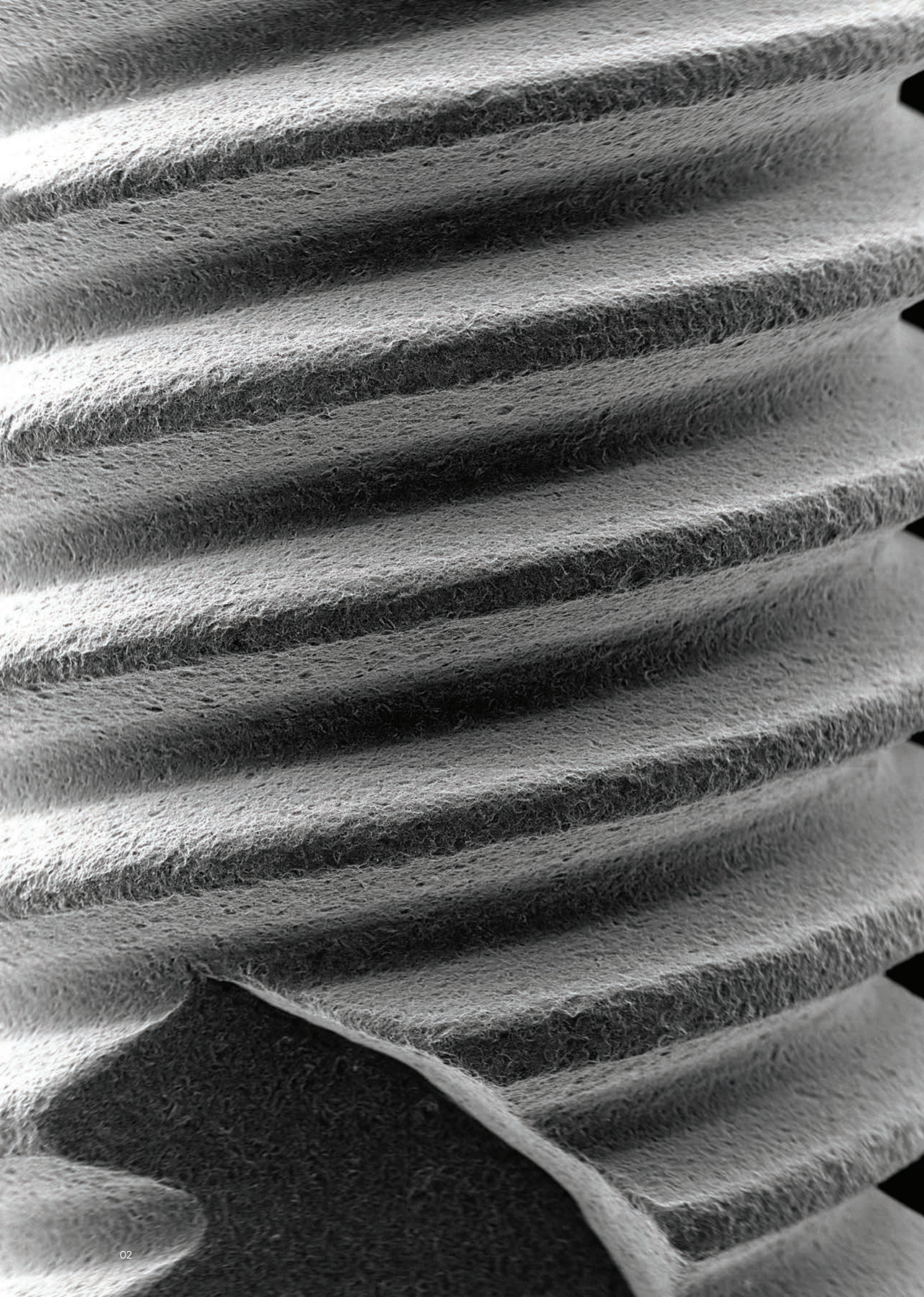
Surgical protocol

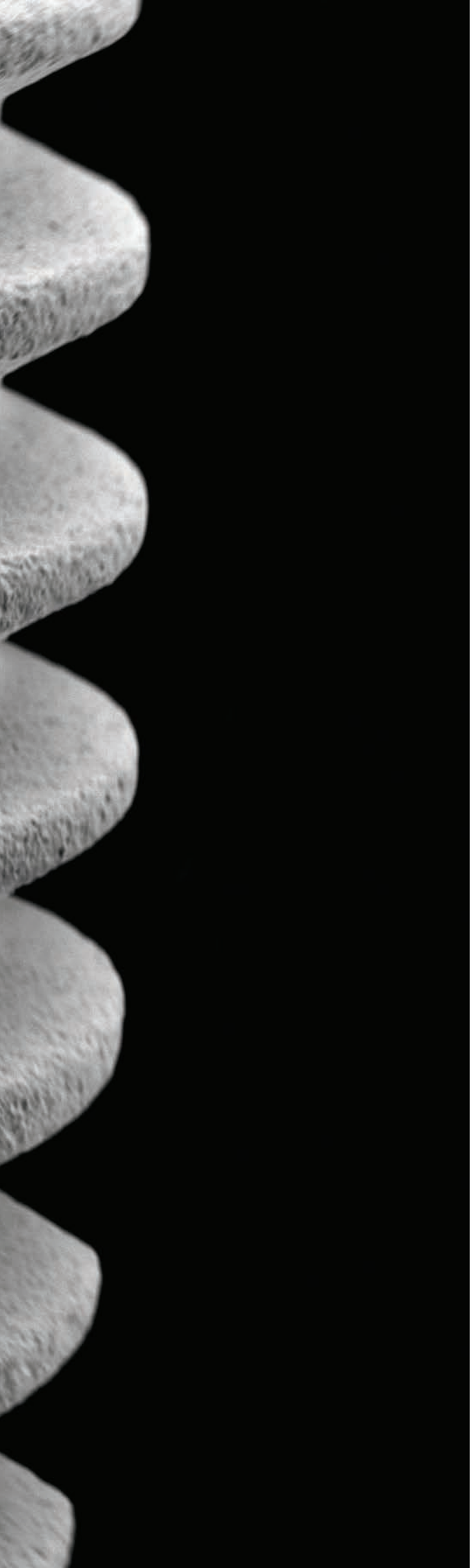
Surgical protocol	p. 62
Surgical protocol for short implants	p. 69
Minimum implants size	p. 75

Package leaflets

Implant systems	p. 77
Prosthetic components	p. 78
Rotary instruments	p. 79

Certification	p. 80





OUR **IMPLANT SYSTEMS**

Reliable
Efficient
Safe

SHAPEONE

iMAX

iMAX NASIC

iMAXMUA

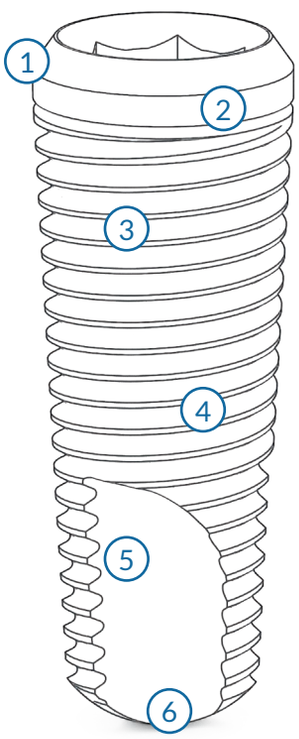
VOLUTION

SHAPEMINI

SHAPEONE

Code	Diameter	Thread	Connection	Platform	Hex	Treatment
B	3.75 - 4.1 - 4.7	Triple	Internal hex	3.5 mm	2.5 mm	C - HYHA
Tn	3.75 - 4.1 - 4.7	Triple	Internal hex	3.5 mm	2.5 mm	C
T	3.75 - 4.1 - 4.7	Triple	Internal octagon	4.8 mm	3.1 mm	C

EXCELLENT PRIMARY STABILITY ALSO IN BONE d4



1. Platform switching.
2. 1 mm machined neck to protect from bacterial attacks.
3. Tapered self tapping with cutting coronal thread for a better force discharge on cortical bone to provide excellent stability even in few millimeters.
4. 55° triple thread over the entire body implant with a pitch of 1,8 mm 4 (0,6 mm/thread); each turn allows to go down of 1,8mm, speeding up the insertion phase.
5. 3 apical aggressive cuts provide a better primary stability and centering of the implant and the possibility to change direction during its insertion.
6. Apex aggressive but rounded to protect the Schneider's membrane.

TYPE OF SURFACE TREATMENT and CONNECTIONS

S1B - **C**
Bone level

S1B - **HYHA**
Bone level

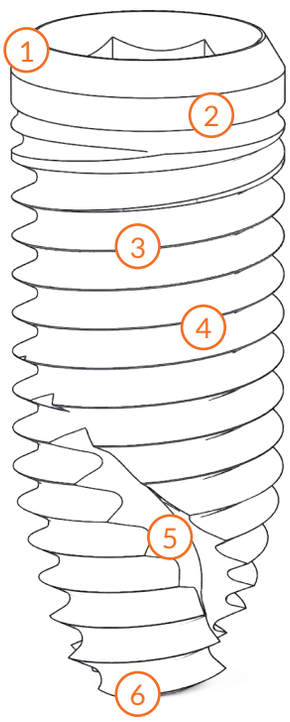
S1TN
Bone level o Tissue level

S1T
Tissue level

Ø	ShapeOne B	ShapeOne T	ShapeOne Tn
Ø 3.75	h 8 | 10 | 11.5 | 13 | 16	h 8 | 10 | 11.5 | 13 | 16	h 8 | 10 | 11.5 | 13 | 16
Ø 4.1	h 6.5 | 8 | 10 | 11.5 | 13 | 16	h 4.5 | 6.5 | 8 | 10 | 11.5 | 13 | 16	h 4.5 | 6.5 | 8 | 10 | 11.5 | 13 | 16
Ø 4.7	h 6.5 | 8 | 10 | 11.5 | 13 | 16	h 4.5 | 6.5 | 8 | 10 | 11.5 | 13 | 16	h 4.5 | 6.5 | 8 | 10 | 11.5 | 13 | 16

Code	Diameter	Thread	Connection	Platform	Hex	Treatment
NHSI	3.3	Fine double thread	Internal hex	3.2 mm	2.1 mm	C - HYHA
NHSI	3.75 - 4.1 - 4.7 - 5.2	Fine double thread	Internal hex	3.5 mm	2.5 mm	C - HYHA
NHSE	3.3	Fine double thread	External hex	3.5 mm	2.4 mm	C - HYHA
NHSE	3.75 - 4.1 - 4.7 - 5.2	Fine double thread	External hex	4.1 mm	2.7 mm	C - HYHA

UNIVERSAL SYSTEM FOR ALL TYPES OF BONES



1. Platform switching.
2. 1 mm machined neck.
3. Cylindrical body.
4. 55° double thread over the entire body implant with a pitch of 1,2 mm (0,6 mm/thread); each turn allows to go down of 1,2mm, speeding up the insertion phase.
5. 2 apical cuts helicoidal.
6. Conical apex flat tip.

TYPE OF SURFACE TREATMENT and CONNECTIONS

NHSI - **C**
Bone level

NHSI - **HYHA**
Bone level

NHSE - **C**
Bone level

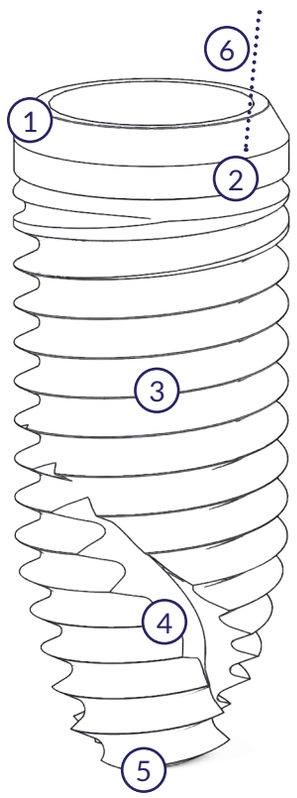
NHSE - **HYHA**
Bone level

Ø	NHSI	NHSE
Ø 3.3	h 10 | 11.5 | 13 | 16	h 10 | 11.5 | 13 | 16
Ø 3.75	h 8 | 10 | 11.5 | 13 | 16	h 6.5 | 8 | 10 | 11.5 | 13 | 16
Ø 4.1	h 6.5 | 8 | 10 | 11.5 | 13 | 16	h 6.5 | 8 | 10 | 11.5 | 13 | 16
Ø 4.7	h 6.5 | 8 | 10 | 11.5 | 13 | 16	h 6.5 | 8 | 10 | 11.5 | 13 | 16
Ø 5.2	h 6.5 | 8 | 10 | 11.5 | 13	h 6.5 | 8 | 10 | 11.5 | 13

iMAX NHSIC

Code	Diameter	Thread	Connection	Platform	Hex	Treatment
NHSIC	3.3 - 3.75	Fine double thread	Cono-morse	Narrow	2.1 mm	C
NHSIC	4.1 - 4.7 - 5.2	Fine double thread	Cono-morse	Regular	2.5 mm	C

THE MORE RELIABLE CONICAL CONNECTION WITH DIFFERENT EMERGENCE PROFILES



1. Platform switching, unique prosthesis for all the diameters.
2. 1 mm machined neck.
3. 55° double thread over the entire body implant with 5 a pitch of 1,2 mm (0,6 mm/thread); each turn allows togo down of 1,2mm, speeding up the insertion phase.
4. 2 apical cuts helicoidal.
5. Conical apex flat tips.
6. 5° cone inclination on implant and abutment.

Range of heights, from 2.5 to 4 mm, healing srews, temporary transfers and permanent abutments

It's proven that the cone-morse connection creates smaller slits (1µm) of bacteria (1,1-1,5µm length, 2-6µm diameter). Cone-morse connection absorbs vibration and chewing stress by eliminating the unscrewing of the screws (0.37%).

Healing abutment with passing screw doesn't ruin the connection, like happens in traditional spin. Screws with cone-morse connection, block the microleakage during the healing period. Also straight MUA and ball abutments are provided with the passing screw.

TYPE OF SURFACE TREATMENT and CONNECTIONS

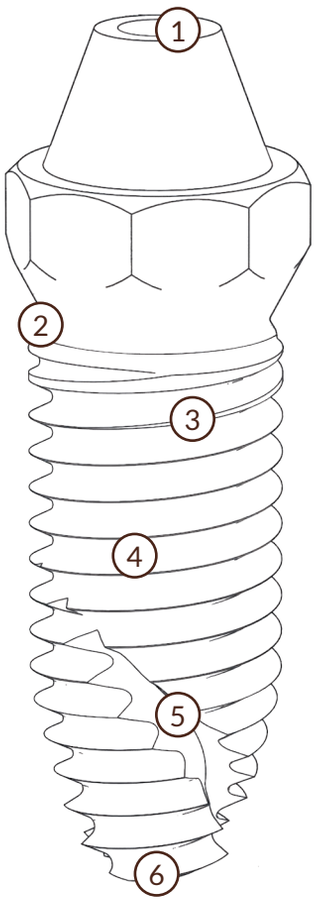
NHSIC
Bone level

Ø	NHSIC
Ø 3.3	h 10 | 11.5 | 13 | 16
Ø 3.75	h 8 | 10 | 11.5 | 13 | 16
Ø 4.1	h 6.5 | 8 | 10 | 11.5 | 13 | 16
Ø 4.7	h 6.5 | 8 | 10 | 11.5 | 13
Ø 5.2	h 6.5 | 8 | 10 | 11.5 | 13

iMAXMUA

Code	Diameter	Thread	Connection	Platform	Angle	Treatment
NHSM 00	3.3 - 3.75 - 4.1	Double	One Piece	4.3 mm	0°	HYHA
NHSM 18	3.75 - 4.1	Double	One Piece	4.3 mm	18°	HYHA
NHSM 30	3.75 - 4.1	Double	One Piece	4.3 mm	30°	HYHA

ONE PIECE IMPLANT FOR IMMEDIATE LOADING



1. Hole for retaining screw.
2. 1.5mm neck.
3. Cylindrical body.
4. 55° double thread over the entire body implant with a pitch of 1,2 mm 3 (0,6 mm/thread); each turn allows to go down of 1,2mm, speeding up the insertion phase.
5. 2 apical helicoidal cuts.
6. Conical flat tip apex.

The use of the retention screw for MUA components, from the current 1.4 mm to 1.72 mm to eliminate the unscrewing possibility of MUA components.

Smaller size both of the cone and the supporting surface, from 4.8 mm to 4 mm. Reduced footprint for the prosthesis benefit.

TYPE OF SURFACE TREATMENT and CONNECTIONS

iMAX - **NHSM00**
Tissue level

iMAX - **NHSM18**
Tissue level

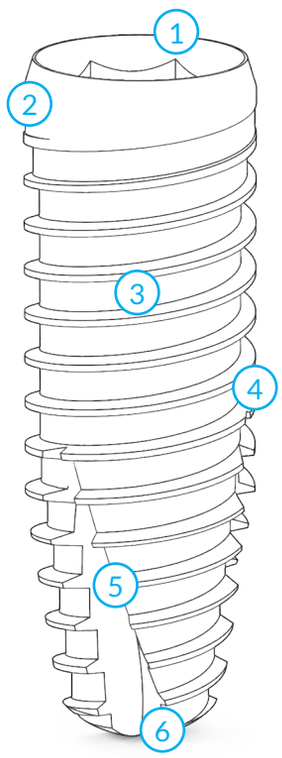
iMAX - **NHSM30**
Tissue level

Ø	NHSM00	NHSM18	NHSM30
Ø 3.3	h 4.5 | 8 | 10 | 11.5 | 13		
Ø 3.75	h 4.5 | 8 | 10 | 11.5 | 13	h 11.5 | 13	h 11.5 | 13 | 16
Ø 4.1	h 4.5 | 8 | 10 | 11.5 | 13	h 11.5 | 13	h 11.5 | 13 | 16

VOLUTION

Code	Diameter	Thread	Connection	Platform	Hex	Treatment
SVB	3.3	Double	Internal hex	3.2 mm	2.1 mm	C
SVB	3.75 - 4.1 - 4.7 - 5.2	Double	Internal hex	3.5 mm	2.5 mm	C

LARGE THREAD IMPLANT FOR A BETTER INSERTION FACILITY



1. Hexagonal internal connection with Friction Fit to avoid micromovements and bacterial infiltrations.
2. Machined implant neck with double platform switching and profile with toothed hermetic cover. It distributes the pressure on the cortical bone and ensures a seal that prevents the penetration of bacteria and the onset of peri-implantitis.
3. Implant with ogival design (bullet type). It ensures a higher penetration capacity.
4. Pronounced spires with cutting profile. They provide higher primary stability and self-tapping properties. Higher stability in soft bone 3⁄4 and less compression in hard bone 1⁄2).
5. Spiral counter-unload furrows. They increase primary 5 stability and prevent the progression of peri-implantitis, interrupting the spires that act as a chute for bacteria.
6. Tip with self-perforating auger design with grinding 6 effect. It produces bone shavings and stimulates osteogenesis.

TYPE OF SURFACE TREATMENT and CONNECTIONS

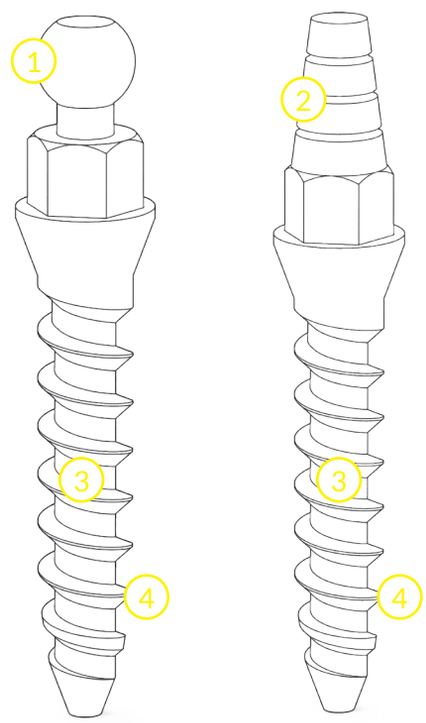
Volution - **SVB**
Bone level

Ø	Volution SVB
Ø 3.3	h 8 | 10 | 11.5 | 13 | 16
Ø 3.75	h 6.5 | 8 | 10 | 11.5 | 13 | 16
Ø 4.1	h 6.5 | 8 | 10 | 11.5 | 13 | 16
Ø 4.7	h 6.5 | 8 | 10 | 11.5 | 13 | 16
Ø 5.2	h 6.5 | 8 | 10 | 11.5 | 13

SHAPEMINI

Code	Diameter	Thread	Connection
SM	2.7	Mono	With ball connection in TIN
SMF	2.7	Mono	With fixed abutment

SELF-TAPPING IMPLANT WITH SINGLE THREAD



1. Ball attachment system (SM version), ideal for overdenture
2. Connection suitable for the cementation of the abutments (SMF version)
3. Self-tapping cylindrical body with single thread, pitch of 1.2 mm
4. Thread with lower angle of 43° and upper of 23°

TYPE OF SURFACE TREATMENT and CONNECTIONS

ShapeMini - **SM**
With ball connection in TIN

ShapeMini - **SMF**
With fixed abutment

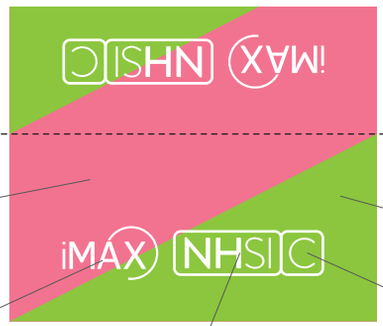
Ø	SM	SMF
Ø 2.7	h 8 | 10 | 11.5 | 13 | 16	h 8 | 10 | 11.5 | 13 | 16

IMPLANT SYSTEMS

price list

Implant system	Type	Ø	Connection	Treatment	Price
ShapeOne	B	3.75 - 4.1 - 4.7	Internal hex	C	130,00
ShapeOne	B	3.75 - 4.1 - 4.7	Internal hex	HYHA	165,00
ShapeOne	Tn	3.75 - 4.1 - 4.7	Internal hex	C	135,00
ShapeOne	T	3.75 - 4.1 - 4.7	Internal octagon	C	150,00
iMAX	NHSI	3.3	Internal hex	C	135,00
iMAX	NHSI	3.3	Internal hex	HYHA	165,00
iMAX	NHSI	3.75 - 4.1 - 4.7 - 5.2	Internal hex	C	130,00
iMAX	NHSI	3.75 - 4.1 - 4.7 - 5.2	Internal hex	HYHA	165,00
iMAX	NHSE	3.3	External hex	C	135,00
iMAX	NHSE	3.3	External hex	HYHA	165,00
iMAX	NHSE	3.75 - 4.1 - 4.7 - 5.2	External hex	C	130,00
iMAX	NHSE	3.75 - 4.1 - 4.7 - 5.2	External hex	HYHA	165,00
iMAX	NHSIC	3.3 - 3.75	Narrow	C	155,00
iMAX	NHSIC	4.1 - 4.7 - 5.2	Regular	C	155,00
iMAX MUA	MHSM 00	3.3 - 3.75 - 4.1	OnePiece	HYHA	195,00
iMAX MUA	MHSM 18	3.75 - 4.1	OnePiece	HYHA	225,00
iMAX MUA	MHSM 30	3.75 - 4.1	OnePiece	HYHA	225,00
Volution	SVB	3.3 - 3.75 - 4.1 - 4.7 - 5.2	Internal hex	C	135,00
ShapeMini	SM	2.7	Ball connection		55,00
ShapeMini	SMF	2.7	With fixed abutment		55,00

COLORS OF IMPLANT SYSTEMS AND SURFACE TREATMENTS



Color of implant systems

Color of surface treatments

Implant family

Name
ShapeOne
iMAX
Volution
ShapeMini

Implant systems

Code	Color
B	
Tn	
T	
NHSI	
NHSE	
NHSIC	
NHSM	
SVB	
SM	

Surface treatments

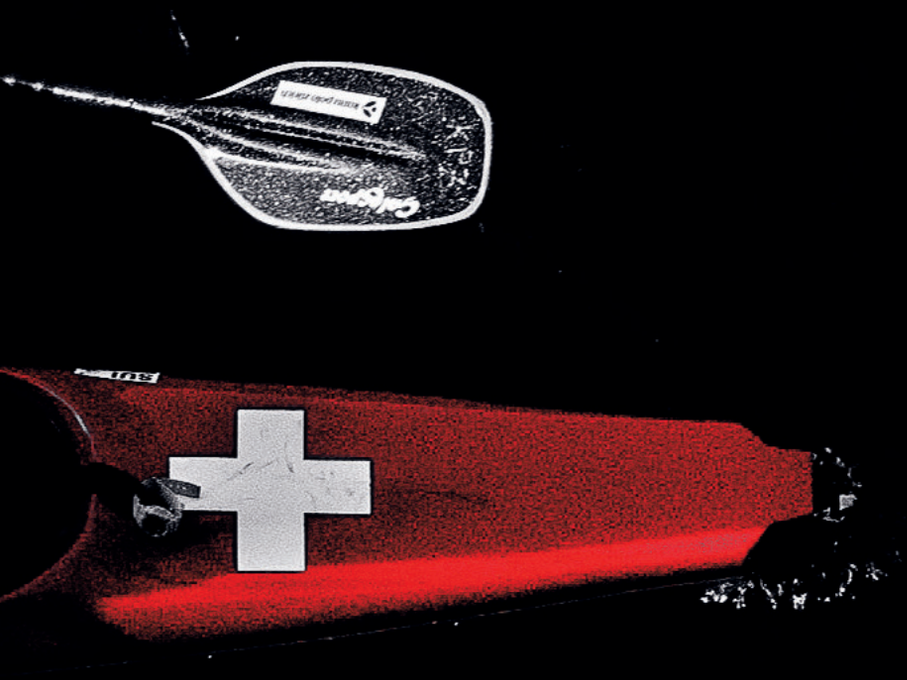
Code	Color
C	
HYHA	

LEGEND REF CODE

NHSI	41	10	HYHA
Implant systems	Diameter	Height	Surface treatment

frog
Oxbow
SUI

Swiss
implant
quality

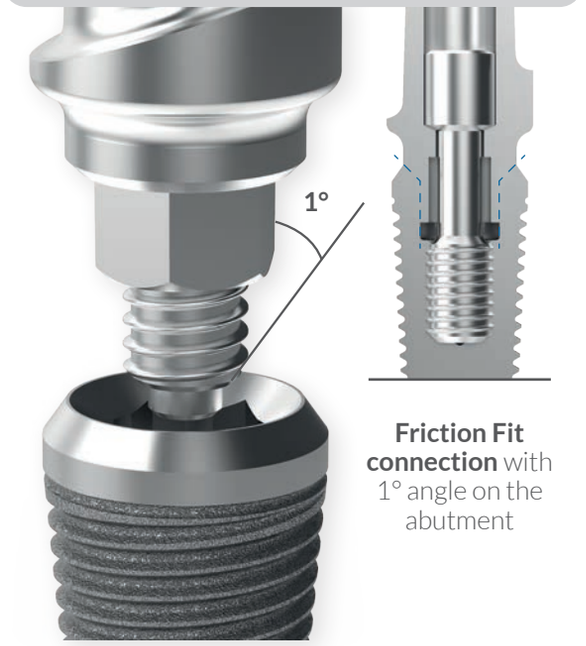


MORE RELIABLE CONNECTIONS

Prosthetic components with **Friction Fit** connection and one conical degree on the wall of the hex abutment, have been developed for **S1B, S1TN, SVB and NHSI** implant systems with internal hex connection. This connection ensures a "cold fusion" between implant and abutment if the retaining screw has been tightened at 30 Ncm. It eliminates micro movements and reduces bacterial infiltration between implant and abutment. Prosthetic components with tilted cone to 16° fit perfectly with our **S1T** implant system. A **"flat to flat"** connection for external hex is especially suitable for **NHSE** implant systems iRES® offers different implant products to cover a wide range of treatment options and fulfill every surgical need.

S1B NHSI SVB

Internal hex



Friction Fit connection with 1° angle on the abutment

S1Tn

Uniko

Friction Fit connection with 1° angle on the abutment

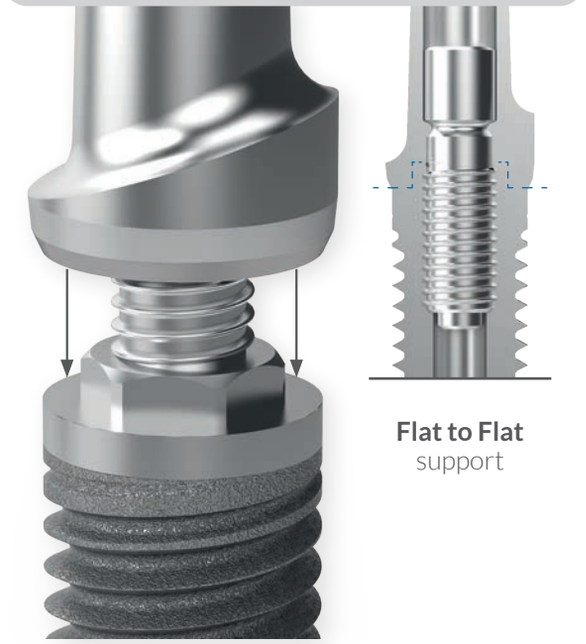
S1T

Internal octagon

16° angle on the implant and on the abutment

NHSE

External hex

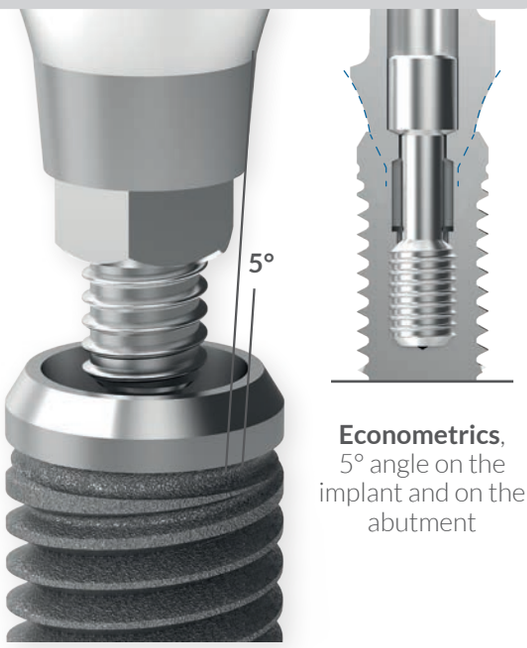


Flat to Flat support

The **NHSIC conical connection** has a 5°angle on the abutment and on the implant, and an emergence profile for the mucous attack. The cone-morse connection creates fissures (1µm) smaller than bacteria, absorbs vibration and chewing stress with the result that it eliminates the unscrewing of the screws. There is no connection between implant and abutment in **NHSM ONEPIECE** system and this allows to completely eliminate bacterial infiltration. OnePiece connection is suitable for immediate loading.

NHSIC

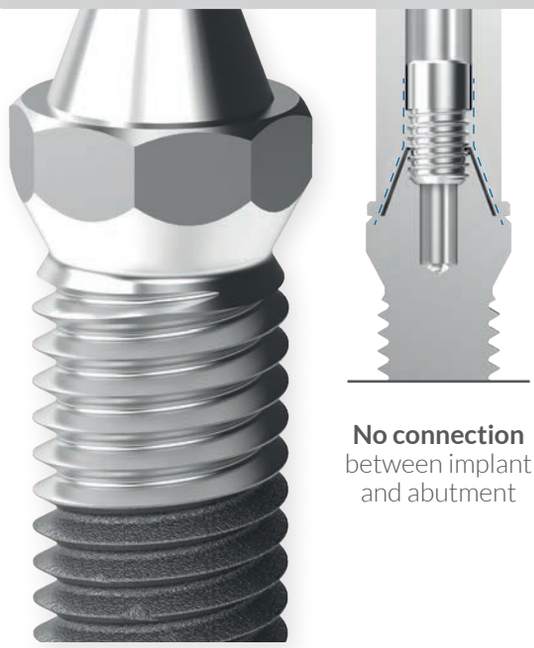
Conical connection



Econometrics, 5° angle on the implant and on the abutment

NHSM

OnePiece



No connection between implant and abutment

MANAGEMENT OF SOFT TISSUES

The connection between implant and abutment is present on the entire implant line with the configuration to be finished as shown in figure 1 or classic as in figure 2, depending on the diameter of the flaring required, respectively 3.5 mm or 5 mm. An emergence profile is also available, figure 3, which ensures a more rounded connection without sharp corners, creating a greater space for mucosa anchoring. This profile which guarantees conditioning of the soft tissues is contemplated on the whole prosthetic range, from healing screws right up to the final abutments. In figure 4 we can see the new econometric connection with 5° angle on the implant and on the abutment.

(figure 1)

(figure 2)

(figure 3)

(figure 4)

SURFACE TREATMENT

SLA type

There is a relevant scientific literature* on how surface roughness characteristics influence cell behaviour. Compared to a smooth surface, topographical patterns smaller in size than a fibroblast cell (micro and nano topography) orient the arrangement of the cells and stimulate osteoblastic and platelet activity, accelerating the production of extracellular matrix and bone regeneration, and therefore the osseointegration of the dental implant. The three fundamentals of surface treatment of dental implants from a biological point of view are:
1] control of surface topography to stimulate cellular response in an osteogenic direction;
2] control of the chemical composition of the surface to promote cell colonization;
3] control of biological contamination from adherent endotoxins so as not to interfere with the natural inflammatory response. For the surface treatment a sand-blasting process was used followed by a double acid attack. In the images, increasing the magnification, it can be seen how the macroscopic aspects of the screw (spire, cutting SLA surface treatment edge) are not affected by the treatment and that the surface is free from processing residue. The dual-beam roughness typical of SLA treatment can be clearly observed, which contains large cavities due to large grit blasting on which is superimposed the micro-roughness due to treatment with acids. The micro-roughness illustrated in the figures highlights the typical three-dimensional topography, which gives these surfaces "sponge-like" characteristics that are the basis of their excellent clinical performance In fact, the very short peak-to-peak distance, about 1 micrometer, stimulates both the activity of osteogenic cells and the capillary penetration of the blood in the surface structure, offering very favorable characteristics to stimulate bone regeneration, as described in many articles on this topic. This unique combination of long-range roughness (large grit sand-blasting) and short-range (acid etching) is a substrate favorable to cell regrowth that adequately promotes cell differentiation. The level of roughness is Ra 1.42 ± 0.12.

NECK MACHINED

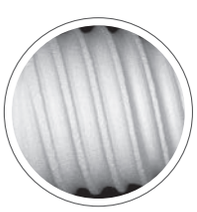
C

Surface treatment on the body implant

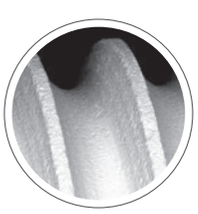
HYALURONIC ACID

HYHA

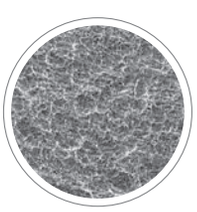
Partial surface treatment on the body implant with hyaluronic acid.
Cold plasma decontamination*



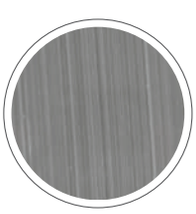
MAG
52 X
WD
11.5 mm
EHT
20.00 kV
Signal A
CZ BSD



MAG
200 X
WD
11.0 mm
EHT
20.00 kV
Signal A
CZ BSD



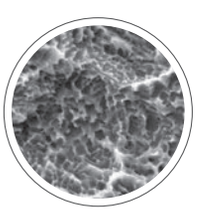
MAG
1.50 K X
WD
11.5 mm
EHT
20.00 kV
Signal A
SE1



Sa 0,50 µm

overall mean value on a measuring area of 30x30 µm

cold plasma decontamination



Sa 1,90 µm

overall mean value on a measuring area of 30x30 µm

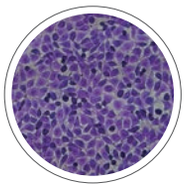
sand-blasting, double etching, cold plasma decontamination

* Valutazione della composizione chimica superficiale, della morfologia, della citotossicità e dell'adesione cellulare su impianti dentali. G. Cascardo, C. Cassinelli. Doctor OS 2005 Nov-Dic; 16 (9): 1091. Valutazione comparativa del trattamento di superficie in 5 sistemi implantari. M. Biasotto, M. Cadenaro et al. Università degli studi di Trieste. Quintessence International, Anno 18 – Maggio/Giugno 2002. RAPPORTO ISTISAN 01/15 – Valutazione del trattamento superficiale sulle prestazioni meccaniche a fatica di impianti in titanio plasma-sprayed e titanio sabbiato e mordenzato. Rossella Bedini, Gior-gio de Angelis, Marco Tallarico, Rosario Iealpi, Umberto Romeo, Giuseppe di Cintio 2001, 33 p. RAPPORTO ISTISAN 08/32 – Valutazione microtomografica dell'area di possibile contatto osseo di sei tipologie diverse di impianti dentali. Rossella Bedini, Raffaella Pec-ci, Fabio Di Carlo, Alessandro Quaranta, Francesca Rizzo, Manlio Quaranta, G. Heimke, W. Schulte, B. d'Hoedt, P. Griss, C.M. Büsing, D. Stock. The influence of fine surface structures on the osseo-integration of implants. The International Journal of Artificial Organs 1982; 5(3): 207-212. Guy, M.J. McQuade, M.J. Scheidt, J.C. McPherson III, J.A. Rossmann, T.E. Van Dyke. In vitro attachment of human gingival fibroblasts to endosse-ous implant materials. Journal of Periodontology 1993 Jun; 64(6): 542-546.

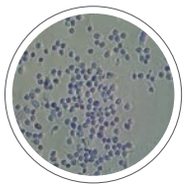
CYTOTOXICITY TEST

EN ISO 10993-5: 2009, Valutazione Biologica dei Dispositivi Medici - Prove per la citotossicità in vitro

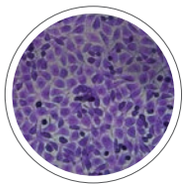
After treatment and decontamination, the implants proved to be perfectly cytocompatible, that is devoid of cytotoxic effects against L929 fibroblasts. In all wells, the cells always showed density and morphology fully comparable with those of the negative control. The fibroblasts proliferate homogeneously in con- tact with the implants as the Material does not release any cytotoxic element. Moreover, multinucleated giantcells were never shown in significantly higher number than the negative control, indicating the absence of effects of an inflammatory type.



negative control



positive control



examined control

COLD PLASMA DECONTAMINATION

After the surface treatment, the implants are cleaned to remove processing residues by washing them with solvents and then subjecting them to a process of surface decontamination with cold plasma (Argon). The partially ionized Argon atoms (inert gas) act as an additional atomic sand-blasting that promotes the removal of organic contaminants and activates the ionization of surface atoms of titanium, improving the wettability of the implant. The treatment conditions adopted on shape1 implants offer the best characteristics considered important, according to the state of current knowledge*, in the processes of implant healing, both in terms of surface morphology and in terms of chemical composition (surface cleaning). Plasma cleaning, packaging in a controlled environment, the absolute respect of "clean" procedures, quality control tests of during the manufacturing process, play a fundamental role in the control of adherent endotoxins (biological cleaning), the main agent of immunological response to implant surfaces.

* Valutazione del rapporto tra costo e qualità della pulizia superficiale di alcuni sistemi implantari in commercio Marco Morra, Clara Cassinelli, Giovanna Cascardo, Daniele Bollati, Nobil Bio Ricerche srl Via Valcastellana 26, 14037, Portacomaro (AT)

M. Morra, C.Cassinelli, Evaluation of Surface Contamination of Titanium Dental Implants by Lu-Sem: Comparation with XPS Mesurements Surface and Interface Analysts, Vol. 25, 983-984 (1997).

STERILIZATION & PACKAGING

To preserve its integrity, the dental implant is housed in a vertical position inside a titanium cylinder anchored, by means of the closing cap, to the respective vial made of borosilicate glass for pharmaceutical use, complying with the European Pharmacopoeia in force. This vial really ensures the neutrality of the primary packaging due to the absence of release of contaminants during the sterilization phase. It is inserted in a blister of transparent polyglass sealed with heat-sealing lacquer-based Tyvek and packed in a cardboard box that also contains the instructions for use and the labels for the patient records, on which are printed the data that allow product traceability (code and batch number). All the product packaging Materials have been tested, approved and certified.

Shape1® implants are supplied sterile, in a pack that allows their stability to be guaranteed for 5 years. The sterilization process is performed with gamma rays respecting the standards in force by qualified suppliers who use automated, safe and reliable systems, with continuous microbiological mon- itoring of the process.

European Pharmacopoeia, current edition, 3.2.1 Glass containers for pharmaceutical use.

PROSTHETIC **SOLUTIONS**

Surgical screws
Prosthetic screws
Healing screws
Analog
Scan abutment
Indirect impression transfer
Direct impression transfer
Temporary straight abutments
Abutments for welded technique
Definitive straight abutments
Sticking bases
Angled abutments
Anatomic angled abutments
Castable abutments
Straight mua abutments
Angled mua abutments
Ball abutments
iRetor

SHAPEONE
iMAX
iMAX NASIC
iMAXMUA
VOLUTION
SHAPEMINI

description | €	iMAX NHSI 3.3	iMAX NHSI ShapeOne B Volution SVB

SURGICAL SCREWS

Provided with the implant, available as spare parts | Material TI-6Al-4V

Ø 3.5 mm thread 1.72 mm 15.00 €	 S1BNCS	 S1BCS
Large Ø 5.2 mm thread 1.72 mm 15.00 €	 S1BCSL	 S1BCSL

PROSTHETIC SCREWS

Material TI-6Al-4V

For abutments/ lab work thread 1.72 mm 15.00 €	 S1BRS1
For comp MUA / lab work thread 1.72 mm 15.00 €	 S1BRS2
Long for transfer thread 1.72 mm 15.00 €	 S1BDTRS

HEALING SCREWS

Material TI-6Al-4V

Ø 3.5 mm

25.00 €

S1BN35 [XX] HC

Code	h
S1BN3530HC	3 mm
S1BN3545HC	4.5 mm
S1BN3560HC	6 mm

S1B35 [XX] HC

Code	h
S1B3530HC	3 mm
S1B3545HC	4.5 mm
S1B3560HC	6 mm

Ø 5 mm

25.00 €

S1B50 [XX] HC

Code	h
S1B5030HC	3 mm
S1B5045HC	4.5 mm
S1B5060HC	6 mm

description | €	iMAX NHSI 3.3	iMAX NHSI ShapeOne B Volution SVB

ANALOG

Material TI-6Al-4V

Analog 21.00 €	 S1BNIA	 S1BIA
Short analog for guided surgery 21.00 €	 S1BNIAS	 S1BIAS

INDIRECT IMPRESSION TRANSFER

*ITC and S1BRS1 screw included | **S1BRS1 screw included | Material TI-6Al-4V

Ø 3.5 mm 65.00 €	 S1BN135ITC *	 S1B135ITC *
Ø 5 mm 65.00 €		 S1B150ITC *
Indirect transfer cap 20.00 €	 ITC	
Multifunction abutment 55.00 €	 Ø 3.5 mm S1BN1A35 **	 Ø 5 mm S1B1A50 **
Multifunction abutment 55.00 €	 Ø 3.2 mm S1BN1M35 **	 Ø 5 mm S1B1M50 **

description | €	iMAX NHSI 3.3	iMAX NHSI ShapeOne B Volution SVB
DIRECT IMPRESSION TRANSFER		*S1BDTRS screw included | Material TI-6Al-4V
Ø 3.5 mm 35.00 €	 S1BNDT35 *	 S1BDT35 *
Ø 5 mm 35.00 €		 S1BDT50 *
Multifunction abutment 55.00 €	 Ø 3.5 mm S1BN1A35L *	
Multifunction abutment 55.00 €	 Ø 3.2 mm S1BN1M35L *	
3 components Ø 5 mm 45.00 €	 S1BNDT403	 S1BNDT503

description | €	iMAX NHSI 3.3	iMAX NHSI ShapeOne B Volution SVB

TEMPORARY STRAIGHT ABUTMENTS

S1BRS1 screw included

in PEEK 55.00 €	 Ø 3.5 mm S1BN135PP	 Ø 4 mm S1B140PP
Anti rotation in TI-6Al-4V 45.00 €	 Ø 3.5 mm S1BN135P	 Ø 4 mm S1B140P
Rotating in TI-6Al-4V 45.00 €	 Ø 3.5 mm S1BN135PR	 Ø 4 mm S1B140PR

ABUTMENTS FOR WELDED TECHNIQUE

S1BRS1 screw included

55.00 €	 S1BN1TS	 S1B1TS

description | €	iMAX NHSI 3.3	iMAX NHSI ShapeOne B Volution SVB

DEFINITIVE STRAIGHT ABUTMENTS | ANATOMIC

S1BRS1 screw included | Material TI-6Al-4V

description | €	iMAX NHSI 3.3	iMAX NHSI ShapeOne B Volution SVB
Friction Fit Ø 3.5 mm 65.00 €	 S1BN135FF	 S1B135F
Friction Fit Ø 5 mm 65.00 €		 S1B150F
Friction Fit without emergence profile Ø 4.5 mm 65.00 €		 S1B145FS
Friction Fit without emergence profile Ø 5.5 mm 65.00 €		 S1B155FS
Anatomic without Friction Fit 55.00 €	 Ø 4 mm S1BN1 [X] 40	 Ø 4.5 mm S1B1 [X] 45
Anatomic with Friction Fit 65.00 €	 Ø 4 mm S1BN1 [X] 40F	 Ø 4.5 mm S1B1 [X] 45F

Code	h
S1BN1140	1 mm
S1BN1340	3 mm

Code	h
S1B1145	1 mm
S1B1345	3 mm

Code	h
S1BN1140F	1 mm
S1BN1340F	3 mm

Code	h
S1B1145F	1 mm
S1B1345F	3 mm

STICKING BASES

S1BRS1 screw included | Material TI-6Al-4V

description | €	iMAX NHSI 3.3	iMAX NHSI ShapeOne B Volution SVB
Friction Fit with emergence profile 65.00 €	 Ø 3.5 mm S1BN135F	 Ø 4.5 mm S1B140F

description | €	iMAX NHSI 3.3	iMAX NHSI ShapeOne B Volution SVB

STICKING BASES *(continued)*

S1BRS1 screw included | Material TI-6Al-4V

description | €	iMAX NHSI 3.3	iMAX NHSI ShapeOne B Volution SVB
Rotating with emergence profile 55.00 €	 Ø 3.5 mm S1BN135R	 Ø 4.5 mm S1B140R
Friction Fit without emergence profile 65.00 €	 Ø 3.5 mm S1BN135FS	 Ø 4.5 mm S1B140FS
Rotating without emergence profile 55.00 €	 Ø 3.5 mm S1BN135RS	 Ø 4.5 mm S1B140RS

ANGLED ABUTMENTS

S1BRS1 screw included | Material TI-6Al-4V

description | €	iMAX NHSI 3.3	iMAX NHSI ShapeOne B Volution SVB
Friction Fit 20° Ø 4.5 mm 75.00 €		 S1B250F
Friction Fit without emergence profile 20° Ø 4.5 mm 75.00 €		 S1B245FS

ANATOMIC ANGLED ABUTMENTS

S1BRS1 screw included | Material TI-6Al-4V

Without Friction Fit 15°

65.00 €

Ø 4 mm

S1BN2 [X] 1540

Code	h
S1BN211540	1 mm
S1BN231540	3 mm

Ø 4.5 mm

S1B2 [X] 1545

Code	h
S1B211545	1 mm
S1B231545	3 mm

ANATOMIC ANGLED ABUTMENTS *(continued)*

S1BRS1 screw included | Material TI-6Al-4V

Without Friction Fit 25°

65.00 €

Ø 4 mm
S1BN2 [X] 2540

Code	h
S1BN212540	1 mm
S1BN232540	3 mm

Ø 4.5 mm
S1B2 [X] 2545

Code	h
S1B212545	1 mm
S1B232545	3 mm

Friction Fit 15°

75.00 €

Ø 4 mm
S1BN2 [X] 1540F

Code	h
S1BN211540F	1 mm
S1BN231540F	3 mm

Ø 4.5 mm
S1B2 [X] 1545F

Code	h
S1B211545F	1 mm
S1B231545F	3 mm

Friction Fit 25°

75.00 €

Ø 4 mm
S1BN2 [X] 2540F

Code	h
S1BN212540F	1 mm
S1BN232540F	3 mm

Ø 4.5 mm
S1B2 [X] 2545F

Code	h
S1B212545F	1 mm
S1B232545F	3 mm

CASTABLE ABUTMENTS

S1BRS1 screw included

Gold base POM-C / AU&PGM

110.00 €

Ø 4.5 mm
S1BN3GA35 *

Ø 5 mm
S1B3GA50 *

*Gold alloy AU60% PD15% PT24,9% IR0,1% AU e PGM100%. Melting range C° 1350/1460 Tensile modulus GPa 110. Elastic limit MPa 450-720. Stretching %18-12. Breaking load MPa 580-810. Vickers hardness HV5/30 105-205-230.

POM-C

29.00 €

Ø 3.5 mm
S1BN3PC35

Ø 4.5 mm
S1B3PC45

Rotating POM-C

29.00 €

Ø 3.5 mm
S1BN3PCR35

Ø 4.5 mm
S1B3PCR45

CASTABLE ABUTMENTS *(continued)*

S1BRS1 screw included

Titanium base
TI-6Al-4V

75.00 €

S1BN3PTC45

S1B3PTC45

STRAIGHT MUA ABUTMENTS

Mounter included | TIN Treatment on the gold part | Material TI-6Al-4V

Ø 5 mm

55.00 €

S1BN4 [X]

Code	h
S1BN41	1 mm
S1BN42	2 mm
S1BN43	3 mm
S1BN44	4 mm
S1BN45	5 mm
S1BN46	6 mm

S1B4 [X]

Code	h
S1B41	1 mm
S1B42	2 mm
S1B43	3 mm
S1B44	4 mm
S1B45	5 mm
S1B46	6 mm

ANGLED MUA ABUTMENTS

Mounter and S1BRS2 screw included | TIN Treatment on the gold part | Material TI-6Al-4V

18°
Ø 5 mm
h 0/2 mm

85.00 €

S1BN518

S1B518

30°
Ø 5 mm

85.00 €

S1BN53 [X]

Code	h
S1BN532	0/2 mm
S1BN534	2/4 mm

S1B53 [X]

Code	h
S1B532	0/2 mm
S1B534	2/4 mm

BALL ABUTMENTS

Cah and Calt included | TIN Treatment on the gold part | Material TI-6Al-4V

Ø 4 mm

45.00 €

S1BN6 [X]

Code	h
S1BN61	1 mm
S1BN62	2 mm
S1BN63	3 mm
S1BN64	4 mm
S1BN65	5 mm

S1B6 [X]

Code	h
S1B61	1 mm
S1B62	2 mm
S1B63	3 mm
S1B64	4 mm
S1B65	5 mm

iRETOR

TIN Treatment on the gold part

TIN

95.00 €

S1BN8 [XX]

Code	h
S1BN80	0 mm
S1BN81	1 mm
S1BN825	2.5 mm
S1BN835	3.5 mm
S1BN845	4.5 mm
S1BN865	6.5 mm

S1B8 [XX]

Code	h
S1B80	0 mm
S1B81	1 mm
S1B825	2.5 mm
S1B835	3.5 mm
S1B845	4.5 mm
S1B865	6.5 mm

Implant systems
Internal hex prosthetic solutions
External hex prosthetic solutions
Conical connection prosthetic solutions
Internal octagon prosthetic solutions
Shapemini prosthetic solutions
MUA and OnePiece components
Accessories, rings and retaining caps
Digital prosthetic solutions
Drills, countersinks taps, stops
Surgical kit
Surgical protocol
Package leaflets

description | €	iMAX NHSE 3.3	iMAX NHSE
SURGICAL SCREWS	Provided with the implant, available as spare parts | Material TI-6Al-4V	
Ø 3.5 mm thread 1.6 mm 15.00 €	 S1EHNCS	
Ø 4.1 mm thread 2 mm 15.00 €		 S1EHCS
PROSTHETIC SCREWS	Material TI-6Al-4V	
For abutments/ lab work thread 1.6 mm 15.00 €	 S1EHNRS1	
For abutments/ lab work thread 2 mm 15.00 €		 S1EHRS1
Long for transfer thread 1.6 mm 15.00 €	 S1EHNDTRS	
Long for transfer thread 2 mm 15.00 €		 S1EHDTRS
HEALING SCREWS	Material TI-6Al-4V	
Ø 3.5 mm 25.00 €	 S1EHN35 [XX] HC	

Code	h
S1EHN3530HC	3 mm
S1EHN3545HC	4.5 mm
S1EHN3560HC	6 mm

description | €	iMAX NHSE 3.3	iMAX NHSE

HEALING SCREWS *(continued)*

Material TI-6Al-4V

Ø 4.1 mm

25.00 €

S1EH41 [xx] HC

Code	h
S1EH4130HC	3 mm
S1EH4145HC	5 mm
S1EH4160HC	7 mm

Ø 5 mm

25.00 €

S1EH50 [xx] HC

Code	h
S1EH5030HC	3 mm
S1EH5045HC	5 mm
S1EH5060HC	7 mm

ANALOG

Material TI-6Al-4V

21.00 €

S1EHNIA

S1EHIA

Short analog for guided surgery

21.00 €

S1EHNIAS

S1EHIAS

description | €	iMAX NHSE 3.3	iMAX NHSE
DIRECT TRANSFER IMPRESSION	*S1EHNDTRS screw included**S1EHDTRS screw included | Material TI-6Al-4V	
Ø 3.5 mm 35.00 €	 S1EHNDT35 *	
Multifunction Ø 3.5 mm 65.00 €	 S1EHN1A35L *	
Ø 4.1 mm 35.00 €		 S1EHDT41 **
Ø 5 mm 35.00 €		 S1EHDT50 **
Multifunction 55.00 €		 S1EH1A50L **
TEMPORARY STRAIGHT ABUTMENTS	*S1EHNRS1 screw included **S1EHRS1 screw included | Material TI-6Al-4V	
Anti rotation 45.00 €	 Ø 3.5 mm S1EHN135P *	 Ø 4.1 mm S1EH141P **
Rotating 45.00 €	 Ø 3.5 mm S1EHN135PR *	 Ø 4.1 mm S1EH141PR **

description | €

iMAX NHSE 3.3 | iMAX NHSE

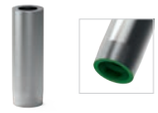
ABUTMENTS FOR WELDED TECHNIQUE

*S1EHNRS1 screw included **S1EHRS1 screw included | Material TI-6Al-4V

colored internal prosthetic part

55.00 €

S1EHN1TS *



S1EH1TS **

DEFINITIVE STRAIGHT ABUTMENTS

*S1EHNRS1 screw included **S1EHRS1 screw included | Material TI-6Al-4V

Multifunction

colored internal prosthetic part

65.00 €

Ø 3.5 mm

S1EHN1A35 *

Ø 5 mm

S1EH1A50 **

Anti rotation

colored internal prosthetic part

65.00 €

Ø 4 mm

S1EHN140 *

Ø 5 mm

S1EH150 **

Anatomic

colored internal prosthetic part

65.00 €

Ø 3.5 mm

S1EHN1 [X] 35 *

Code	h
S1EHN1135	1 mm
S1EHN1335	3 mm

Ø 4.1 mm

S1EH1 [X] 41 **

Code	h
S1EH1141	1 mm
S1EH1341	3 mm

STICKING BASES

*S1EHNRS1 screw included **S1EHRS1 screw included | Material TI-6Al-4V

Anti rotation

colored internal prosthetic part

65.00 €

Ø 4 mm

S1EHN135 *

Ø 4.1 mm

S1EH141 **

Rotating

colored internal prosthetic part

55.00 €

Ø 4 mm

S1EHN135R *

Ø 4.1 mm

S1EH141R **

description | €

iMAX NHSE 3.3 | iMAX NHSE

ANGLED ABUTMENTS

*S1EHNRS1 screw included **S1EHRS1 screw included | Material TI-6Al-4V

15° Angled

colored internal prosthetic part

75.00 €

Ø 4 mm

S1EHN2 [X] 1540 *

Code	h
S1EHN211540	1 mm
S1EHN231540	3 mm

Ø 5 mm

S1EH2 [X] 1550 **

Code	h
S1EH211550	1 mm
S1EH231550	3 mm

25° Angled

colored internal prosthetic part

75.00 €

Ø 4 mm

S1EHN2 [X] 2540 *

Code	h
S1EH212540	1 mm
S1EH232540	3 mm

Ø 5 mm

S1EH2 [X] 2550 **

Code	h
S1EH212550	1 mm
S1EH232550	3 mm

CASTABLE ABUTMENTS

*S1EHNRS1 screw included **S1EHRS1 screw included | Material POM-C

Gold base POM-C / AU&PGM

110.00 €

Ø 3.5 mm

S1EHN3GA *

Ø 4.1 mm

S1EH3GA **

Gold alloy AU60% PD15% PT24,9% IR0,1% AU e PGM100%. Melting range C° 1350/1460 Tensile modulus GPa 110. Elastic limit MPa 450-720. Stretching %18-12. Breaking load MPa 580-810. Vickers hardness HV5/30 105-205-230.

Gold base Rotating POM-C / AU&PGM

110.00 €

Ø 3.5 mm

S1EHN3GAR *

Ø 4.1 mm

S1EH3GAR **

Gold alloy AU60% PD15% PT24,9% IR0,1% AU e PGM100%. Melting range C° 1350/1460 Tensile modulus GPa 110. Elastic limit MPa 450-720. Stretching %18-12. Breaking load MPa 580-810. Vickers hardness HV5/30 105-205-230.

29.00 €

Ø 3.5 mm

S1EHN3PC35 *

Ø 4.1 mm

S1EH3PC41 *

Rotating

29.00 €

Ø 3.5 mm

S1EHN3PCR35 *

Ø 4.1 mm

S1EH3PCR41 *

description | €

iMAX NHSE 3.3

iMAX NHSE

STRAIGHT MUA ABUTMENTS

Mounter included | TIN Treatment on the gold part | Material TI-6Al-4V

55.00 €

Ø 3.5 mm
S1EHN4 [X]

Code	h
S1EHN41	1 mm
S1EHN42	2 mm
S1EHN43	3 mm
S1EHN44	4 mm
S1EHN45	5 mm

Ø 4.1 mm
S1EH4 [X]

Code	h
S1EH41	1 mm
S1EH42	2 mm
S1EH43	3 mm
S1EH44	4 mm
S1EH45	5 mm

ANGLED MUA ABUTMENTS

*S1EHNRS2 screw included **S1EHRS2 screw included | Mounter included
TIN Treatment on the gold part | Material TI-6Al-4V

18°
h 0/2 mm

85.00 €

Ø 3.5 mm
S1EHN518 *

Ø 4.1 mm
S1EH518 **

30°

85.00 €

Ø 3.5 mm - h 0/2 mm
S1EHN532 *

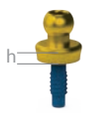
Ø 4.1 mm
S1EH53 [X] **

Code	h
S1EH532	0/2 mm
S1EH534	2/4 mm

BALL ABUTMENTS

Cah and Calt included | TIN Treatment on the gold part |Material TI-6Al-4V

45.00 €



Ø 3.5 mm
S1EHN6 [X]

Code	h
S1EHN61	1 mm
S1EHN62	2 mm
S1EHN63	3 mm
S1EHN64	4 mm

Ø 4.1 mm
S1EH6 [X]

Code	h
S1EH61	1 mm
S1EH62	2 mm
S1EH63	3 mm
S1EH64	4 mm

iRETOR

TIN Treatment on the gold part

TIN

95.00 €

S1EHN8 [XX]

Code	h
S1EHN80	0 mm
S1EHN81	1 mm
S1EEHN825	2.5 mm
S1EHN835	3.5 mm
S1EHN845	4.5 mm
S1EHN865	6.5 mm

S1EH8 [XX]

Code	h
S1EH80	0 mm
S1EH81	1 mm
S1EH825	2.5 mm
S1EH835	3.5 mm
S1EH845	4.5 mm
S1EH865	6.5 mm

Implant systems
Internal hex prosthetic solutions
External hex prosthetic solutions
Conical connection prosthetic solutions
Internal octagon prosthetic solutions
Shapemini prosthetic solutions
MUA and OnePiece components
Accessories, rings and retaining caps
Digital prosthetic solutions
Drills, countersinks taps, stops
Surgical kit
Surgical protocol
Package leaflets

description | €	iMAX NHSIC Narrow	iMAX NHSIC Regular
SURGICAL SCREWS	Provided with the implant, available as spare parts | Material TI-6Al-4V	
15.00 €	NHSICNCS	NHSICCS
PROSTHETIC SCREWS	Material TI-6Al-4V	
For abutments/ lab work thread 1.72 mm 15.00 €	S1BRS1	
For comp MUA /lab work thread 1.72 mm 15.00 €	S1BRS2	
Long for transfer thread 1.72 mm 15.00 €	S1BDTRS	
Long for transfer MUA thread 1.4 mm 16.00 €	S1BDTRSA	
ANALOG	Material TI-6Al-4V	
26.00 €	Ø 4 mm NHSICNIA	Ø 4.5 mm NHSICIA
Guided surgery 30.00 €	Ø 4 mm NHSICNIAS	Ø 4.5 mm NHSICIAS

description | €

iMAX NHSIC Narrow

iMAX NHSIC Regular

HEALING SCREWS

S1BRS1 screw included | Material TI-6Al-4V

30.00 €

Ø 4 mm

NHSICN40 [XX] HC

Code	h
NHSICN4030HC	3 mm
NHSICN4045HC	4.5 mm
NHSICN4060HC	6 mm

Ø 4.5 mm

NHSIC45 [XX] HC

Code	h
NHSIC4530HC	3 mm
NHSIC4545HC	4.5 mm
NHSIC4560HC	6 mm

DIRECT TRANSFER IMPRESSION

S1BDTRS screw included | Material TI-6Al-4V

45.00 €

Ø 4 mm

NHSICNDT [X] 40

Code	h
NHSICNDT140	1.5 mm
NHSICNDT240	2.5 mm
NHSICNDT340	4 mm

Ø 4.5 mm

NHSICDT [X] 45

Code	h
NHSICDT145	1.5 mm
NHSICDT245	2.5 mm
NHSICDT345	4 mm

PEEK TEMPORARY ABUTMENTS

S1BRS1 screw included | Material TI-6Al-4V

50.00 €

Ø 4 mm

NHSICN1 [X] 40PP

Code	h
NHSICN1140PP	1.5 mm
NHSICN1240PP	2.5 mm
NHSICN1440PP	4 mm

Ø 4.5 mm

NHSIC1 [X] 45PP

Code	h
NHSIC1145PP	1.5 mm
NHSIC1245PP	2.5 mm
NHSIC1445PP	4 mm

STRAIGHT ABUTMENTS

S1BRS1 screw included | Material TI-6Al-4V

85.00 €

Ø 4 mm

NHSICN1 [X] 40

Code	h
NHSICN1140	1.5 mm
NHSICN1240	2.5 mm
NHSICN1440	4 mm

Ø 4.5 mm

NHSIC1 [X] 45

Code	h
NHSIC1145	1.5 mm
NHSIC1245	2.5 mm
NHSIC1445	4 mm

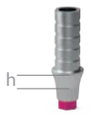
Conical connection

description | €	iMAX NHSIC Narrow	iMAX NHSIC Regular

STICKING BASES

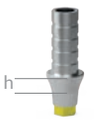
S1BRS1 screw included | Material TI-6AI-4V

75.00 €



Ø 4 mm
NHSICN1 [X] 40SB

Code	h
NHSICN1140SB	1.5 mm
NHSICN1240SB	2.5 mm
NHSICN1440SB	4 mm

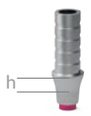


Ø 4.5 mm
NHSIC1 [X] 45SB

Code	h
NHSIC1145SB	1.5 mm
NHSIC1245SB	2.5 mm
NHSIC1445SB	4 mm

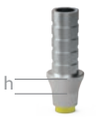
Rotating

75.00 €



Ø 4 mm
NHSICN1 [X] 40RSB

Code	h
NHSICN1140RSB	1.5 mm
NHSICN1240RSB	2.5 mm
NHSICN1440RSB	4 mm



Ø 4.5 mm
NHSIC1 [X] 45RSB

Code	h
NHSIC1145RSB	1.5 mm
NHSIC1245RSB	2.5 mm
NHSIC1445RSB	4 mm

ANGLED ABUTMENTS

S1BRS1 screw included | Material TI-6AI-4V

15° Angled

85.00 €

Ø 4 mm
NHSICN2 [X] 1540

Code	h
NHSICN211540	1.5 mm
NHSICN221540	2.5 mm
NHSICN241540	4 mm

Ø 4.5 mm
NHSIC2 [X] 1545

Code	h
NHSIC211545	1.5 mm
NHSIC221545	2.5 mm
NHSIC241545	4 mm

25° Angled

85.00 €

Ø 4 mm
NHSICN2 [X] 2540

Code	h
NHSICN212540	1.5 mm
NHSICN222540	2.5 mm
NHSICN242540	4 mm

Ø 4.5 mm
NHSIC2 [X] 2545

Code	h
NHSIC212545	1.5 mm
NHSIC222545	2.5 mm
NHSIC242545	4 mm

CASTABLE GOLD BASE ABUTMENTS

S1BRS1 screw included

POM-C/
AU&PGM

120.00 €

Ø 4 mm
NHSICN3GA [X] 40

Code	h
NHSICN3GA140	1.5 mm
NHSICN3GA240	2.5 mm
NHSICN3GA440	4 mm

Ø 4.5 mm
NHSIC3GA [X] 45

Code	h
NHSIC3GA145	1.5 mm
NHSIC3GA245	2.5 mm
NHSIC3GA445	4 mm

Gold alloy AU60% PD15% PT24,9% IR0,1% AU e PGM100%. Melting range C° 1350/1460 Tensile modulus GPa 110.
Elastic limit MPa 450-720. Stretching %18-12. Breaking load MPa 580-810. Vickers hardness HV5/30 105-205-230.

description | €

iMAX NHSIC Narrow

iMAX NHSIC Regular

STRAIGHT MUA ABUTMENTS

Mounter included | TIN Treatment on the gold part | Material TI-6Al-4V

65.00 €

Ø 4 mm
NHSICN4 [X]

Code	h
NHSICN41	1.5 mm
NHSICN42	2.5 mm
NHSICN43	3 mm
NHSICN44	4 mm

Ø 4.5 mm
NHSIC4 [X]

Code	h
NHSIC41	1.5 mm
NHSIC42	2.5 mm
NHSIC43	3 mm
NHSIC44	4 mm

ANGLED MUA ABUTMENTS

Mounter and S1BRS2 screw included | TIN Treatment on the gold part | Material TI-6Al-4V

18°
h 0/2 mm

90.00 €

Ø 4 mm
NHSICN518

Ø 4.5 mm
NHSIC518

30°

90.00 €

Ø 4 mm
NHSICN53 [X]

Code	h
NHSICN532	0/2 mm
NHSICN534	2/4 mm

Ø 4.5 mm
NHSIC53 [X]

Code	h
NHSIC532	0/2 mm
NHSIC534	2/4 mm

BALL ABUTMENTS

Cah and Calt included | TIN Treatment on the gold part | Material TI-6Al-4V

55.00 €

Ø 4 mm
NHSICN6 [X]

Code	h
NHSICN61	1.5 mm
NHSICN62	2.5 mm
NHSICN64	4 mm

Ø 4.5 mm
NHSIC6 [X]

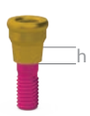
Code	h
NHSIC61	1.5 mm
NHSIC62	2.5 mm
NHSIC64	4 mm

iRETOR

TIN Treatment on the gold part

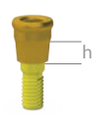
TIN

95.00 €



NHSICN8 [XX]

Code	h
NHSICN80	0 mm
NHSICN81	1 mm
NHSICN825	2.5 mm
NHSICN835	3.5 mm
NHSICN845	4.5 mm
NHSICN865	6.5 mm



NHSIC8 [XX]

Code	h
NHSIC80	0 mm
NHSIC81	1 mm
NHSIC825	2.5 mm
NHSIC835	3.5 mm
NHSIC845	4.5 mm
NHSIC865	6.5 mm

Implant systems
Internal hex prosthetic solutions
External hex prosthetic solutions
Conical connection prosthetic solutions
Internal octagon prosthetic solutions
Shapemini prosthetic solutions
MUA and OnePiece components
Accessories, rings and retaining caps
Digital prosthetic solutions
Drills, countersinks taps, stops
Surgical kit
Surgical protocol
Package leaflets

description| €	ShapeOne T	ShapeOne Tn

SURGICAL SCREWS

*Provided with the implant, available as spare parts | S1BRS1 screw included

description| €	ShapeOne T	ShapeOne Tn
Surgical screw Ø 4.8 mm thread 2 mm 15.00 €	 S1TCS	

PROSTHETIC SCREWS

Material TI-6Al-4V

description| €	ShapeOne T	ShapeOne Tn
For abutments/ lab work thread 2 mm 15.00 €	 S1TRS1	 S1TRS2

ANALOG

Material TI-6Al-4V

description| €	ShapeOne T	ShapeOne Tn
21.00 €	 S1TIA	
22.00 €		 S1TNIA [XX]

Code	Ø
S1TNIA37	3.7 mm
S1TNIA41	4.1 mm
S1TNIA47	4.7 mm

DIRECT IMPRESSION TRANSFER

S1BDTRS screw included | Material TI-6Al-4V

description| €	ShapeOne T	ShapeOne Tn
Mounter|transfer straight definitive abutment Ø 3.5 mm 55.00 €		 S1TN1A35L

Code	Ø
S1TN1A35L	3.5 mm
S1TN1A37L	3.7 mm
S1TN1A41L	4.1 mm
S1TN1A47L	4.7 mm

INDIRECT IMPRESSION TRANSFER

S1BRS1 screw included | Material TI-6Al-4V

description| €	ShapeOne T	ShapeOne Tn
Mounter|transfer straight definitive abutment 55.00 €		 S1TN1A [XX]

Code	Ø
S1TN1A35	3.5 mm
S1TN1A37	3.7 mm
S1TN1A41	4.1 mm
S1TN1A47	4.7 mm

description | €	ShapeOne T	ShapeOne Tn

ABUTMENTS

S1TRS1 screw included | Material TI-6Al-4V

description | €	ShapeOne T	ShapeOne Tn
Multifunction abutment Ø 5 mm 55.00 €	 S1T1A50	
Straight econometric connection abutment Ø 4.5 mm 75.00 €	 S1T140	
17° Angled econometric connection abutment Ø 4.5 mm 85.00 €	 S1T240	

CASTABLE ABUTMENTS

S1TRS1 screw included | Material POM-C

description | €	ShapeOne T	ShapeOne Tn
Ø 5 mm 29.00 €	 S1T3PC50	
Rotating Ø 5 mm 29.00 €	 S1T3PCR50	

BALL ABUTMENTS

Cah and Calt included | TIN Treatment on the gold part | Material TI-6Al-4V

description | €	ShapeOne T	ShapeOne Tn
Ø 4.5 mm 45.00 €	 S1T6 [X]	

Code	h
S1T60	0 mm
S1T61	1 mm
S1T62	2 mm

Shape Mini

description | €	ShapeMini with ball connection in TIN	ShapeMini with fixed abutment
	Material TI-6Al-4V	
Analog 21.00 €	 SMIA	 with fixed abutment SMIAF
Castable POM-C abutment 29.00 €	 SMC	
Straight abutment 29.00 €		 SMF

description | €	Onepiece iMAXMUA	MUA abutments

RETAINING SCREWS

Material TI-6Al-4V

Retaining screw for abutment 15.00 €	 NHSMRS1	 S1BRS3
Long retaining screw for MUA transfer thread 1.72 mm 15.00 €	 NHSMDTRS	 S1BDTRSA

HEALING CAPS

*NHSMRS1 screw included | **S1BRS3 screw included | Material TI-6Al-4V

Healing TI-6Al-4V cup 25.00 €	 NHSMHCSRA *	 S1BHCSRA **
POM-C Healing cup 25.00 €	 NHSMHCSRAA *	 S1BHCSRAA **

DIRECT IMPRESSION TRANSFER

*NHSMDTRS screw included | **S1BDTRSA screw included | Material TI-6Al-4V

With long screw 35.00 €	 NHSMDTCSRA *	 S1BDTCSRA **

INDIRECT IMPRESSION TRANSFER

*NHSMRS1 screw included | **S1BRS3 screw included | Material TI-6Al-4V

55.00 €	 NHSMITCSRA *	 S1BITCSRA **

description | €	Onepiece iMAXMUA	MUA abutments
ANALOG		Material TI-6Al-4V
21.00 €	NHSMIASRA	S1BIASRA
TEMPORARY STRAIGHT ABUTMENTS		*NHSMRS1 screw included | **S1BRS3 screw included | Material TI-6Al-4V
45.00 €	NHSMPTTA *	S1BPTTA **
DEFINITIVE STRAIGHT ABUTMENTS		*NHSMRS1 screw included | **S1BRS3 screw included | Material TI-6Al-4V
55.00 €	NHSMTTA *	S1BTTA **
THREADED ABUTMENTS FOR BAR		*NHSMRS1 screw included | **S1BRS3 screw included | Material TI-6Al-4V
55.00 €	NHSMTTAB *	S1BTTAB **
CASTABLE ABUTMENTS		*NHSMRS1 screw included | **S1BRS3 screw included | Material POM-C
29.00 €	NHSMPCC *	S1BPCC **
ABUTMENTS FOR WELDED TECHNIQUE		*NHSMRS1 screw included | **S1BRS3 screw included | Material TI-6Al-4V
55.00 €	NHSMTS *	S1BTS **

Accessories, Rings and retaining Caps for pro overdenture connection

description | €

CONTAINMENT RING

Material TI-6Al-4V

Containment ring

15.00 €

CAH

CONTAINMENT CAP

Material Nylon

Nylon containment cap

7.50 €

CALT

iRETOR ACCESSORIES

Analog for iRETOR® female coupling
Q.tà: 4
Al

50.00 €

8530

Indirect impression tear pin for iRETOR®
Q.tà: 4
Al

50.00 €

8505

Set of cups and rings for parallel implants
Q.tà: 1
Ti | Nylon

27.50 €

S1B85

Accessories, Rings and retaining Caps for pro overdenture connection

description | €	
iRETOR ***(continued)***	
Resistant male (1.8 kg) Q.tà: 4 30.00 €	S1B8518
Light male (1.2 kg) Q.tà: 4 30.00 €	S1B8512
Extralight male (0.6 kg) Q.tà: 4 30.00 €	S1B8506

description | €

Prosthetic solutions

SCREWS and SCREWDRIVERS

Material TI-6Al-4V

description	€				
	15.00 €	Vite di ritenzione filetto 1.72 mm S1BRS1			
Torx screw	15.00 €	internal hex S1BRS1T6	external hex S1EHRS1T6	external hex S1ENHRS1T6	internal octagon S1TRS1T6
	65.00 €	Torx screwdriver MDLAA			

DIGITAL SCAN ABUTMENTS

Material Peek

description	€	iMAX NHSI 3.3	iMAX NHSI - ShapeOne B - Volution SVB
With Titanium base and S1BRS1 screw included	55.00 €	S1BNSA	S1BSA

description	€	iMAX NHSE 3.3	iMAX NHSE
*S1EHNRS1 screw included **S1EHRS1 screw included	55.00 €	S1EHNSA *	S1EHSA **

description	€	iMAX NHSIC Narrow	iMAX NHSIC Regular
Titanium base S1BRS1 screw included	65.00 €	NHSICNSA	NHSICSA

description	€	ShapeOne T
Titanium base S1TRS1 screw included	55.00 €	S1TSA

description | €

Prosthetic solutions

DIGITAL SCAN ABUTMENTS *(continued)*

Materiale Peek

	Onepiece iMAXMUA	Scan abutment (MUA)
*NHSMRS1 screw included **S1BRS3 screw included 55.00 €	 NHSMSAA *	 S1BSAA **

DIGITAL T-BASE

Material TI-6Al-4V

	iMAX NHSI 3.3	
S1BRS1 screw included 65.00 €	 S1BN1DTB	 Rotating S1BN1DTBR
	iMAX NHSI - ShapeOne B - Volution SVB	
S1BRS1 screw included 65.00 €	 S1B1DTB	 Rotating S1B1DTBR
	iMAX NHSE 3.3	
S1EHNRS1 screw included 65.00 €	 S1EHN1DTB	 Rotating S1EHN1DTBR
	iMAX NHSE	
S1EHRS1 screw included 65.00 €	 S1EH1DTB	 Rotating S1EH1DTBR
	iMAX NHSIC Narrow	
S1BRS1 screw included 75.00 €	 NHSICN [X] DTB	 Rotating NHSICN [X] DTBR

Code	h
NHSICN1DTB	1 mm
NHSICN2DTB	2 mm
NHSICN4DTB	4 mm

Code	h
NHSICN1DTBR	1 mm
NHSICN2DTBR	2 mm
NHSICN4DTBR	4 mm

description | €

DIGITAL T-BASE *(continued)*

Material TI-6Al-4V

iMAX NHSIC Regular

S1BRS1
screw included

65.00 €

NHSIC [X] DTB

Code	h
NHSIC1DTB	1 mm
NHSIC2DTB	2 mm
NHSIC4DTB	4 mm

Rotante
NHSIC [X] DTBR

Code	h
NHSIC1DTBR	1 mm
NHSIC2DTBR	2 mm
NHSIC4DTBR	4 mm

ShapeOne T

S1TRS1
screw included

65.00 €

S1T1DTB

Rotating
S1T1DTBR

descrizione | €

Onepiece iMAXMUA

*NHSMRS1
screw included
**S1BRS1
screw included

65.00 €

Rotating
NHSMTTADTB *

Monconi a spalla (MUA)

Rotating
S1BTTADTB **

DIGITAL T-BASE FOR CEREC

Material TI-6Al-4V

iMAX NHSI 3.3

For internal
hex

65.00 €

S1BN1DTBC

Rotating
S1BN1DTBCR

iMAX NHSI - ShapeOne B - Volution SVB

For internal
hex

65.00 €

S1B1DTBC

Rotating
S1B1DTBCR

description | €

DIGITAL ANALOG

Material Peek

	iMAX NHSI 3.3	iMAX NHSI - ShapeOne B - Volution SVB
For internal hex 21.00 €	 S1BNDIA	 S1BDIA

	iMAX NHSE 3.3	iMAX NHSE
For external hex 21.00 €	 S1EHNDIA	 S1EHDIA

	iMAX NHSIC Narrow	iMAX NHSIC Regular
For conical connection 26.00 €	 NHSICNDIA	 NHSICDIA

	ShapeOne T
For internal octagon 21.00 €	 S1TDIA

	Onepiece iMAXMUA	Scan abutment (MUA)
Per MUA 21.00 €	 NHSMDIASRA	 S1BDIASRA

One surgical kit for all the implant systems

PROSTHETIC INSTRUMENTS **PROTOCOL AND SURGICAL KIT**

The purpose of **surgical trays** is to store the instruments used to insert dental implants. The kit can be carried, sterilized and kept in a horizontal position with the lid closed. All the instruments must be cleaned and sterilized before the first use. **The surgical kit and instruments are not sterile at the time of delivery.**

CLEANING

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

STERILIZATION

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

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

THE DRILLS

For a proper osteotomy and to maintain the integrity of bone quality, the maximum recommended speed is 800rpm with direct input on drill of saline solution to facilitate cooling. All drills are made of medical stainless steel and subjected to hardening heat treatment. Maximum recommended number of use of the devices 30 times.

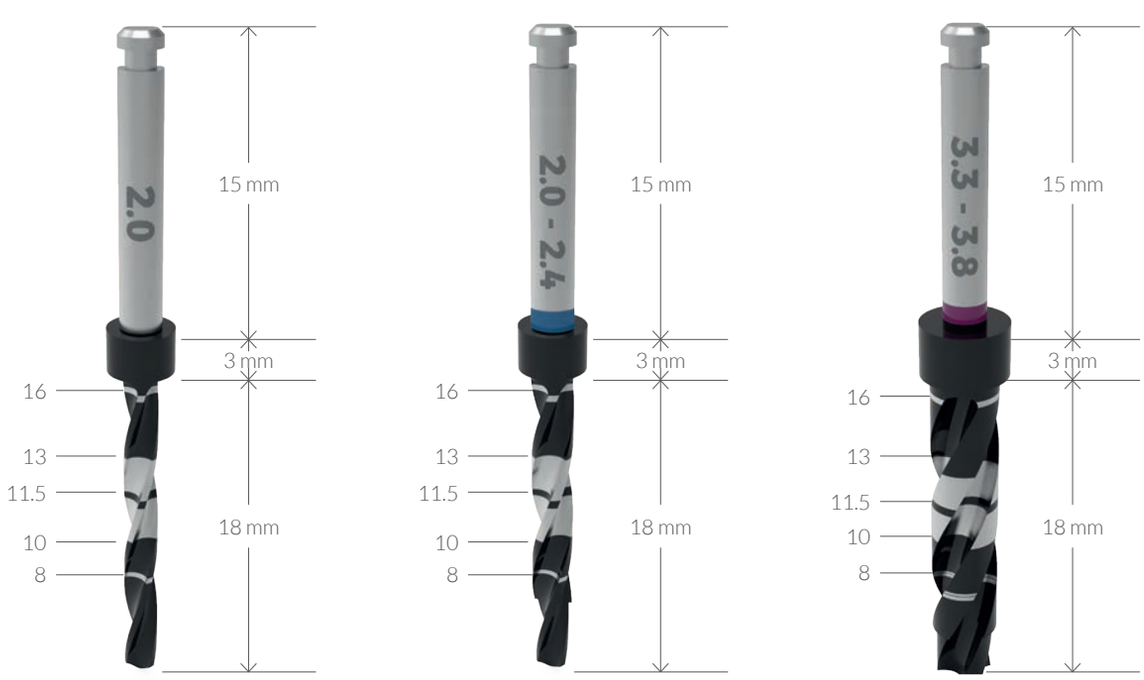
The helical milling cutters have reference laser markings that identify the depth to reach, until 8mm with a thin white line, from 10 to 13mm with a white band in which at half is identified the 11.5mm height, and finally a thin white line for the 16mm. This system gives a clear and intuitive glance of the depth level reached by the drill. 4.5 and 6.5mm are not present to avoid confusion in reading the demarcation lines, and being these measures close to the nerve, it is always recommended to use stop by 4.5 and 6.5mm.

2.0 | 2.0/2.4 | 2.4/2.8 | 2.8/3.3 | 3.3/3.8 | 3.8/4.4 | 4.4/4.8

h drills 36 mm

33/38 - 38/44 - 44/48 are flathead drills. They can not be used to cut, but only to help you to insert the implant

Cylindrical	Double cylindrical	Double cylindrical
Ø 2.0 mm	Ø 2.0/2.4 mm	Ø 2.4/2.8 - 2.8/3.3 - 3.3/3.8 - 3.8/4.4 4.4/4.8 mm



THE COUNTERSINKS

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

THE TAPS

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

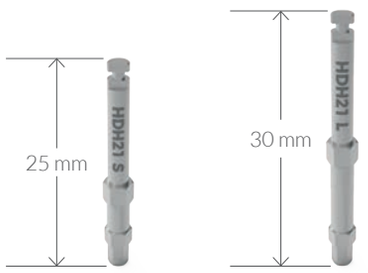
The maximum recommended speed is 30 rpm with direct input on tap of saline solution to facilitate cooling.

THE STOPS

The length of the stops ranges from 4.5mm to 13mm and they are available for all the implant lengths. 33/38 - 38/44 - 44/48 are flathead drills. They can not be used to cut, but only to help you to insert the implant.

RATCHET 10/100 NCM and CONNECTORS

In the kit all the connectors have a handpiece attack that may be used both in manual mode and with the ratchet, thanks to the special washer (WH2). The insertion torque for the immediate loading will be in the range from 35 to 50Ncm. For the conventional load the insertion torque should never exceed 70Ncm.



1. The new ratchet uses connectors with HANDLE ATTACK

2. the DRIVE HEXAGON confers greater solidity during the tightening phase

3. POSITION HEXAGON during the insertion allows to see the internal positioning of the hexagon

4. HEXAGON CONNECTION that reaches the stop of the system, has a steel retention ring reinforced and raised both to avoid interferences during the implant insertion and to reduce the wear of the retention

RATCHET ADAPTOR

code: **WH2**

Ø 8 mm reinforced that adding solidity

REVERSE FIXED RATCHET

code: **R2**

It allows to screw and unscrew without having to pull out and turn the adapter

RATCHET WRENCH

code: **TW2**

Mounted on the reverse ratchet, it allows to measure up to 100Ncm2 without breaking the rod through the stop final race

REVERSE FIXED RATCHET + RATCHET ADAPTOR

code: **RA2**

REVERSE FIXED RATCHET + RATCHET ADAPTOR + RATCHET WRENCH

code: **TWA2**

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

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

Under the 100Ncm is present a safety catch to prevent the leakage of the dragging arm, avoiding its breakage.

SURGICAL KIT COMPOSITION

Code	Description
DE	drill extender
LD	lance drill
D20M	pilot drill Ø 2.0
D2024M	drill Ø 2.0|2.4 mm
D2428M	drill Ø 2.4|2.8 mm
D2833M	drill Ø 2.8|3.3 mm
D3338M	drill Ø 3.3|3.8 mm
D3844M	drill Ø 3.8|4.4 mm
D4448M	drill Ø 4.4|4.8 mm
CSD33	countersink Ø 3.3
CSD37	countersink Ø 3.7
CSD41	countersink Ø 4.1
CSD47	countersink Ø 4.7
CSD52	countersink Ø 5.2
TAPS1B37	tap Ø 3.7
TAPS1B41	tap Ø 4.1
TAPS1B47	tap Ø 4.7
TAPiMAX33	tap Ø 3.3
TAPiMAX37	tap Ø 3.7
TAPiMAX41	tap Ø 4.1

Code	Description
TAPiMAX47	tap Ø 4.7
TAPiMAX52	tap Ø 5.2
DS43341M	stop 4.5
DS63341M	stop 6.5
DS83341M	stop 8
DS103341M	stop 10
DS113341M	stop 11.5
DS133341M	stop 13
TWA2	complete ratchet
THDDS	short driver
THDDL	long driver
PP	parallel pin 0°
PP18	parallel pin 18°
PP30	parallel pin 30°

INTERNAL HEX DRIVERS

Code	Description	Hex
HDH21S	short driver hex 2.1	internal
HDH21L	long driver hex 2.1	internal
HDH25S	short driver hex 2.5	internal
HDH25L	long driver hex 2.5	internal

EXTERNAL OCTAGON DRIVERS

Code	Description	Octagon
HDH31S	short driver oct. 3.1	external
HDH31L	long driver oct. 3.1	external

Drills, Countersinks, Taps, Stops

description | €

DRILL EXTENDER

Material Surgical steel

40.00 €

DE

LANCE DRILL

Material Surgical steel

Ø 2 mm

45.00 €

LD

TISSUE PUNCH

Material Surgical steel

48.00 €

Ø 3.3 mm
HDHCSN

Ø 4 mm
HDHCSR

DRILLS

Material Surgical steel

Medium
h 36 mm

70.00 €

Ø 2 mm
D20M

Ø 2.0|2.4 mm
D2024M

Ø 2.4|2.8 mm
D2428M

Ø 2.8|3.3 mm
D2833M

Ø 3.3|3.8 mm
D3338M

Ø 3.8|4.4 mm
D3844M

Ø 4.4|4.8 mm
D4448M

COUNTERSINKS

Material Surgical steel

90.00 €

Ø 3.3 mm
CSD33

Ø 3.7 mm
CSD37

Ø 4.1 mm
CSD41

Ø 4.7 mm
CSD47

Ø 5.2 mm
CSD52

ShapeOne® TAPS

Material Surgical steel

90.00 €

Ø 3.7 mm
TAPS1B37

Ø 4.1 mm
TAPS1B41

Ø 4.7 mm
TAPS1B47

iMAX® TAPS

Material Surgical steel

90.00 €

Ø 3.3 mm
TAPIMAX33

Ø 3.7 mm
TAPIMAX37

Ø 4.1 mm
TAPIMAX41

Ø 4.7 mm
TAPIMAX47

Ø 5.2 mm
TAPIMAX52

SHORT STOPS FOR DRILLS

Material Ti-Gr4

35.00 €

h 4 mm
DS43341M

h 6 mm
DS63341M

h 8 mm
DS83341M

h 10 mm
DS103341M

h 11 mm
DS113341M

h 13 mm
DS133341M

PARALLEL PINS

Material Ti-Gr4

20.00 €

0°
PP

18°
PP18

30°
PP30

IMPLANT DRIVERS

Material Surgical steel

Internal
Hex 2.1 mm
Narrow

45.00 €

h 25 mm
HDH21S

h 30 mm
HDH21L

External
Hex 2.4 mm
Narrow

45.00 €

h 25 mm
HDH24S

h 30 mm
HDH24L

description | €

IMPLANT DRIVERS *(continued)*

Material Surgical steel

For internal Hex 2.5 mm Regular 45.00 €	 h 25 mm HDH25S	 h 30 mm HDH25L
For external Hex 2.7 mm Regular 45.00 €	 h 25 mm HDH27S	 h 30 mm HDH27L
For octagon 3.1 mm 45.00 €	 h 25 mm HDH31S	 h 30 mm HDH31L
For straight MUA 45.00 €	 HDH20	
For Mini implants 2 mm 45.00 €	 HDH25M	
For OnePiece da 4.5mm 45.00 €	 NHSMHDH	

ORIENTER POSITION

Material Surgical steel

For OnePiece NHSM

21.00 €

NHSMFL

GUIDE TO DRILL INCLINATION

Material Surgical steel

0° - 18° - 30°

120.00 €

NHSMG

PROSTHETIC SCREWDRIVERS

Material Surgical steel

For Hex 1.25 mm contra-angle connection

45.00 €

short
THDDS

long
THDDL

For hex da 1.25 mm manual

45.00 €
65.00 € (angled)

h 23 mm
MDS

h 29 mm
MDL

angled h 29 mm
MDLA

30° angled
MDLAA

SCREWDRIVERS

Material Surgical steel

Long

65.00 €

IDL

For iRETOR®

95.00 €

8393

description | €

REMOVAL TOOLS

Material Surgical steel

95.00 €

for implants
TRI

For abutments
TRT

EXTRACTION KIT FOR RETAINING SCREWS

Material Surgical steel

Full kit

270.00 €

Drill
D15RS
110.00 €

Guide for drills
GRS
60.00 €

Holder for GRS
SGRS
100.00 €

RATCHET

Material Surgical steel

Reverse fixed ratchet

90.00 €

R2

Ratchet adaptor

50.00 €

WH2

ratchet wrench

140.00 €

TW2

Fixed ratchet + ratchet wrench

140.00 €

RA2

Complete ratchet

280.00 €

TWA2

PROSTHETIC KIT COMPOSITION

Code	Description
MDS	short screwdriver hex 1.25 mm h 23 mm
MDL	long screwdriver hex 1.25 mm h 29 mm
TRT	removal tool for abutments
HDH20	Implant driver for straight MUA
THDDS	short prosthetic screwdriver hex 1.25
THDDL	long prosthetic screwdriver hex 1.25
TWA2	ratchet wrench
MDLA*	angled screwdriver hex 1.25 mm h 29 mm

*available on request

ERGO KIT COMPOSITION

Code	Description
DE	drill extender
LD	lance drill
D20M	pilot drill Ø 2.0
D2428M	drill Ø 2.4|2.8 mm
D2833M	drill Ø 2.8|3.3 mm
D3338M	drill Ø 3.3|3.8 mm
D3844M	drill Ø 3.8|4.4 mm
D4448M	drill Ø 4.4|4.8 mm
CSD37	countersink Ø 3.7
CSD41	countersink Ø 4.1
CSD47	countersink Ø 4.7
CSD52	countersink Ø 5.2
TAPS1B37	tap Ø 3.7
TAPS1B41	tap Ø 4.1
TAPS1B47	tap Ø 4.7
TAPiMAX37	tap Ø 3.7
TAPiMAX41	tap Ø 4.1
TAPiMAX47	tap Ø 4.7
TAPiMAX52	tap Ø 5.2
DS43341M	stop 4.5
DS63341M	stop 6.5
DS83341M	stop 8
DS103341M	stop 10
DS113341M	stop 11.5
DS133341M	stop 13
TWA2	complete ratchet
THDDS	short screwdriver
THDDL	long screwdriver
HDH25S	short driver hex 2.5
HDH25L	long driver hex 2.5

SINUS LIFT COMPOSITION

Code	Description
DE	drill extender
SPD	standard pilot drill
SPI	standard start drill
SD5	standard drill h 5 mm
SD6	standard drill h 6 mm
SD7	standard drill h 7 mm
SD8	standard drill h 8 mm
SBL	standard body lift
APD	advanced pilot drill
AID	advanced start drill
AD2	advanced drill h 2 mm
AD3	advanced drill h 3 mm
AD4	advanced drill h 4 mm
ABL	advanced body lift
RBL	ratchet body lift

ShapeOne — S1B - S1T - S1Tn

Ø	Heights
3.7	h 8 - 10 -11.5 - 13 - 16 mm
4.1	
4.7	

iMAX — NHSI - NHSE

Ø	Heights
3.3	h 10 -11.5 - 13 - 16 mm
3.7	h 8 - 10 -11.5 - 13 - 16 mm
4.1	
4.7	
5.2	h 8 - 10 -11.5 - 13 mm

iMAX — NHSIC

Ø	Heights
3.3	h 10 -11.5 - 13 - 16 mm
3.7	h 8 - 10 -11.5 - 13 - 16 mm
4.1	
4.7	h 8 - 10 -11.5 - 13 mm
5.2	

iMAX MUA OnePiece — NHSM

Angle	Ø	Heights
0°	3.3	h 10 -11.5 - 13 mm
	3.7	
	4.1	
18°	3.7	h 11.5 - 13 mm
	4.1	
30°	3.7	h 11.5 - 13 - 16 mm
	4.1	

Volution — SVB

Ø	Heights
3.3	h 10 -11.5 - 13 - 16 mm
3.7	h 8 - 10 -11.5 - 13 - 16 mm
4.1	
4.7	
5.2	h 8 - 10 -11.5 - 13 mm

DRIVERS- FINAL DRILLS- COUNTERSINKS - TAPS

heights from 8 to 16 mm

Implant system	Drivers	Ø	Final drills (Bone d4)	Final drills (Bone d3-d2-d1)	CSD (Bone d3 - d2)	TAP (d1 bone)
iMAX **NHSI 3.3**	HDH21S HDH21L	3.3	D2024M	D2428M	CSD33	TAPIMAX33
SHAPEONE **B**	HDH25S HDH25L	3.7	D2428M	D2833M	CSD37	TAPS1B37
		4.1	D2833M	D3338M	CSD41	TAPS1B41
		4.7	D3338M	D3844M	CSD47	TAPS1B47
SHAPEONE **Tn**	HDH25S HDH25L	3.7	D2428M	D2833M	CSD37	TAPS1B37
		4.1	D2833M	D3338M	CSD41	TAPS1B41
		4.7	D3338M	D3844M	CSD47	TAPS1B47
iMAX **NHSI**	HDH25S HDH25L	3.7	D2428M	D2833M	CSD37	TAPiMAX37
		4.1	D2833M	D3338M	CSD41	TAPiMAX41
		4.7	D3338M	D3844M	CSD47	TAPiMAX47
		5.2	D3844M	D4448M	CSD52	TAPiMAX52
iMAX **NHSIC Narrow**	HDH21S HDH21L	3.3	D2024M	D2428M	CSD33	TAPIMAX33
		3.7	D2428M	D2833M	CSD37	TAPiMAX37
iMAX **NHSIC Regular**	HDH25S HDH25L	4.1	D2833M	D3338M	CSD41	TAPiMAX41
		4.7	D3338M	D3844M	CSD47	TAPiMAX47
		5.2	D3844M	D4448M	CSD52	TAPiMAX52
Volution **SVB**	HDH21S HDH21L	3.3	D2024M	D2428M	CSD33	
	HDH25S HDH25L	3.7	D2428M	D2833M	CSD37	
		4.1	D2833M	D3338M	CSD41	
		4.7	D3338M	D3844M	CSD47	
		5.2	D3844M	D4448M	CSD52	
iMAX NHSE 3.3	HDH24S HDH24L	3.3	D2024M	D2428M	CSD33	TAPIMAX33
iMAX **NHSE**	HDH27S HDH27L	3.7	D2428M	D2833M	CSD37	TAPiMAX37
		4.1	D2833M	D3338M	CSD41	TAPiMAX41
		4.7	D3338M	D3844M	CSD47	TAPiMAX47
		5.2	D3844M	D4448M	CSD52	TAPiMAX52
SHAPEONE **T** (abutment included in the pack)	HDH25S HDH25L	3.7	D2428M	D2833M	CSD37	TAPS1B37
		4.1	D2833M	D3338M	CSD41	TAPS1B41
		4.7	D3338M	D3844M	CSD47	TAPS1B47
SHAPEONE **T** (after removing the abutment tighten the implant)	HDH31S HDH31L	3.7	D2428M	D2833M	CSD37	TAPS1B37
		4.1	D2833M	D3338M	CSD41	TAPS1B41
		4.7	D3338M	D3844M	CSD47	TAPS1B47
iMAXMUA 0°	NHSMHDH NHSMFL (driver)	3.3	D2024M	D2428M	CSD33	TAPIMAX33
iMAXMUA 18°		3.7	D2428M	D2833M	CSD37	TAPiMAX37
iMAXMUA 30°		4.1	D2833M	D3338M	CSD41	TAPiMAX41
SHAPEMINI	HDH25M	2.7	D20M	D2024M		

SHAPEONE

Ø 3.7

Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 3.7 countersink and 3.7 tap
For S1T implant system use the removal tool for abutments TRT after the implant has been placed in the bone

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8
Bone	Lance drill	Drill 2.0|2.4	Drill 2.4|2.8	Drill 2.8|3.3	Drill 3.3|3.8	Drill 3.8|4.4	Countersink	Tap
Soft d4	●	●	●					
Medium d3,d2	●	●	●	●			●	
Compact d1	●	●	●	●			●	●

SHAPEONE

Ø 4.1

Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 4.1 countersink and 4.1 tap
For S1T implant system use the removal tool for abutments TRT after the implant has been placed in the bone

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8
Bone	Lance drill	Drill 2.0|2.4	Drill 2.4|2.8	Drill 2.8|3.3	Drill 3.3|3.8	Drill 3.8|4.4	Countersink	Tap
Soft d4	●	●	●	●				
Medium d3,d2	●	●	●	●	●		●	
Compact d1	●	●	●	●	●		●	●

SHAPEONE

Ø 4.7

Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 4.7 countersink and 4.7 tap
For S1T implant system use the removal tool for abutments TRT after the implant has been placed in the bone

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8
Bone	Lance drill	Drill 2.0|2.4	Drill 2.4|2.8	Drill 2.8|3.3	Drill 3.3|3.8	Drill 3.8|4.4	Countersink	Tap
Soft d4	●	●	●	●	●			
Medium d3,d2	●	●	●	●	●	●	●	
Compact d1	●	●	●	●	●	●	●	●

iMAX - iMAXMUA - iMAX NHSIC

Ø 3.3

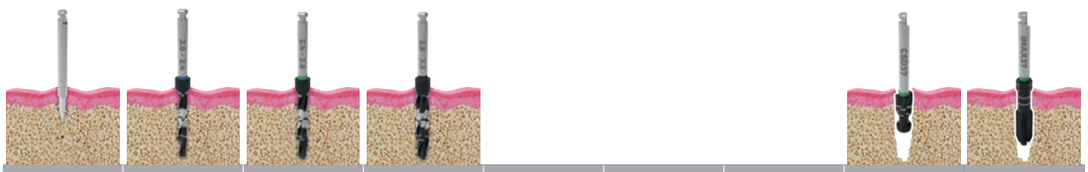
Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 3.3 countersink and 3.3 tap

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8	Step 9
Bone	Lance drill	Drill 2.0|2.4	Drill 2.4|2.8	Drill 2.8|3.3	Drill 3.3|3.8	Drill 3.8|4.4	Drill 4.4|4.8	Countersink	Tap
Soft d4	•	•							
Medium d3,d2	•	•	•					•	
Compact d1	•	•	•					•	•

iMAX - iMAXMUA - iMAX NHSIC

Ø 3.7

Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 3.7 countersink and 3.7 tap



	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8	Step 9
Bone	Lance drill	Drill 2.0|2.4	Drill 2.4|2.8	Drill 2.8|3.3	Drill 3.3|3.8	Drill 3.8|4.4	Drill 4.4|4.8	Countersink	Tap
Soft d4	•	•	•						
Medium d3,d2	•	•	•	•				•	
Compact d1	•	•	•	•				•	•

iMAX - iMAXMUA - iMAX NHSIC

Ø 4.1

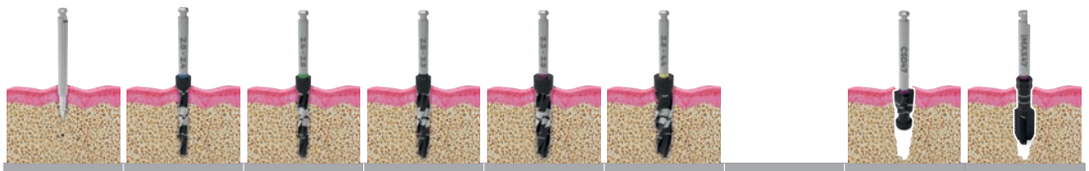
Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 4.1 countersink and 4.1 tap

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8	Step 9
Bone	Lance drill	Drill 2.0|2.4	Drill 2.4|2.8	Drill 2.8|3.3	Drill 3.3|3.8	Drill 3.8|4.4	Drill 4.4|4.8	Countersink	Tap
Soft d4	•	•	•	•					
Medium d3,d2	•	•	•	•	•			•	
Compact d1	•	•	•	•	•			•	•

iMAX - iMAX NHSIC

Ø 4.7

Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 4.7 countersink and 4.7 tap



	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8	Step 9
Bone	Lance drill	Drill 2.0|2.4	Drill 2.4|2.8	Drill 2.8|3.3	Drill 3.3|3.8	Drill 3.8|4.4	Drill 4.4|4.8	Countersink	Tap
Soft d4	●	●	●	●	●				
Medium d3,d2	●	●	●	●	●	●		●	
Compact d1	●	●	●	●	●	●		●	●

iMAX - iMAX NHSIC

Ø 5.2

Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 5.2 countersink and 5.2 tap

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8	Step 9
Bone	Lance drill	Drill 2.0|2.4	Drill 2.4|2.8	Drill 2.8|3.3	Drill 3.3|3.8	Drill 3.8|4.4	Drill 4.4|4.8	Countersink	Tap
Soft d4	●	●	●	●	●	●			
Medium d3,d2	●	●	●	●	●	●	●	●	
Compact d1	●	●	●	●	●	●	●	●	●

VOLUTION

Ø 3.3

Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 3.3 countersink

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8
Bone	Lance drill	Drill 2.0|2.4	Drill 2.4|2.8	Drill 2.8|3.3	Drill 3.3|3.8	Drill 3.8|4.4	Drill 4.4|4.8	Countersink
Soft d4	●	●						
Medium d3,d2	●	●	●					●
Compact d1	●	●	●					●

VOLUTION

Ø 3.7

Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 3.7 countersink

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8
Bone	Lance drill	Drill 2.0|2.4	Drill 2.4|2.8	Drill 2.8|3.3	Drill 3.3|3.8	Drill 3.8|4.4	Drill 4.4|4.8	Countersink
Soft d4	●	●	●					
Medium d3,d2	●	●	●	●				●
Compact d1	●	●	●	●				●

VOLUTION

Ø 4.1

Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 4.1 countersink

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8
Bone	Lance drill	Drill 2.0|2.4	Drill 2.4|2.8	Drill 2.8|3.3	Drill 3.3|3.8	Drill 3.8|4.4	Drill 4.4|4.8	Countersink
Soft d4	●	●	●	●				
Medium d3,d2	●	●	●	●	●			●
Compact d1	●	●	●	●	●			●

VOLUTION

Ø 4.7

Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 4.7 countersink

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8
Bone	Lance drill	Drill 2.0|2.4	Drill 2.4|2.8	Drill 2.8|3.3	Drill 3.3|3.8	Drill 3.8|4.4	Drill 4.4|4.8	Countersink
Soft d4	●	●	●	●	●			
Medium d3,d2	●	●	●	●	●	●		●
Compact d1	●	●	●	●	●	●		●

VOLUTION

Ø 5.2

Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 5.2 countersink

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8
Bone	Lance drill	Drill 2.0|2.4	Drill 2.4|2.8	Drill 2.8|3.3	Drill 3.3|3.8	Drill 3.8|4.4	Drill 4.4|4.8	Countersink
Soft d4	●	●	●	●	●	●		
Medium d3,d2	●	●	●	●	●	●	●	●
Compact d1	●	●	●	●	●	●	●	●

SURGICAL **PROTOCOL**

short implants

ShapeOne — **S1B**

Ø	Heights
4.1	h 6.5 mm
4.7	

ShapeOne — **S1T - S1Tn**

Ø	Heights
4.1	h 4.5 - 6.5 mm
4.7	

iMAX — **NHSI - NHSE**

Ø	Heights
3.7	h 6.5 mm (NHSE only)
4.1	h 6.5 mm
4.7	
5.2	

iMAX — **NHSIC**

Ø	Heights
4.1	h 6.5 mm
4.7	
5.2	

Volution — **SVB**

Ø	Heights
3.3	h 6.5 mm
3.7	
4.1	
4.7	
5.2	

DRIVERS- FINAL DRILLS- COUNTERSINKS - TAPS

short implants

Implant system	Drivers	Ø	Final drills (Bone d4)	Final drills (Bone d3-d2-d1)	CSD (Bone d3 - d2)	TAP (Bone d1)
SHAPEONE **B**	HDH25S HDH25L	4.1	D3338M	D3844M	CSD41	TAPS1B41
		4.7	D3844M	D4448M	CSD47	TAPS1B47
SHAPEONE **Tn**	HDH25S HDH25L	4.1	D3338M	D3844M	CSD41	TAPS1B41
		4.7	D3844M	D4448M	CSD47	TAPS1B47
iMAX **NHSI**	HDH25S HDH25L	3.7	D2833M	D3338M	CSD37	TAPiMAX37
		4.1	D3338M	D3844M	CSD41	TAPiMAX41
		4.7	D3844M	D4448M	CSD47	TAPiMAX47
		5.2	D4448M	D4448M	CSD52	TAPiMAX52
iMAX **NHSIC Regular**	HDH25S HDH25L	4.1	D3338M	D3844M	CSD41	TAPiMAX41
		4.7	D3844M	D4448M	CSD47	TAPiMAX47
		5.2	D4448M	D4448M	CSD52	TAPiMAX52
Volution **SVB**	HDH21S HDH21L	3.3	D2428M	D2833M	CSD33	
	HDH25S HDH25L	3.7	D2833M	D3338M	CSD37	
		4.1	D3338M	D3844M	CSD41	
		4.7	D3844M	D4448M	CSD47	
		5.2	D4448M	D4448M	CSD52	
iMAX **NHSE**	HDH27S HDH27L	3.7	D2833M	D3338M	CSD37	TAPiMAX37
		4.1	D3338M	D3844M	CSD41	TAPiMAX41
		4.7	D3844M	D4448M	CSD47	TAPiMAX47
		5.2	D4448M	D4448M	CSD52	TAPiMAX52
SHAPEONE **T** (abutment included in the pack)	HDH25S HDH25L	4.1	D3338M	D3844M	CSD41	TAPS1B41
		4.7	D3844M	D4448M	CSD47	TAPS1B47
SHAPEONE **T** (after removing the abutment tighten the implant)	HDH31S HDH31L	4.1	D3338M	D3844M	CSD41	TAPS1B41
		4.7	D3844M	D4448M	CSD47	TAPS1B47

SHAPEONE

short implants | Ø 4.1

Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 4.1 countersink and 4.1 tap
For S1T implant system use the removal tool for abutments TRT after the implant has been placed in the bone

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8	Step 9
Bone	Lance drill	Drill 2.0|2.4	Drill 2.4|2.8	Drill 2.8|3.3	Drill 3.3|3.8	Drill 3.8|4.4	Drill 4.4|4.8	Countersink	Tap
Soft d4	●	●	●		●				
Medium d3,d2	●	●	●		●	●		●	
Compact d1	●	●	●		●	●		●	●

SHAPEONE

short implants | Ø 4.7

Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 4.7 countersink and 4.7 tap
For S1T implant system use the removal tool for abutments TRT after the implant has been placed in the bone

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8	Step 9
Bone	Lance drill	Drill 2.0|2.4	Drill 2.4|2.8	Drill 2.8|3.3	Drill 3.3|3.8	Drill 3.8|4.4	Drill 4.4|4.8	Countersink	Tap
Soft d4	●	●	●	●		●			
Medium d3,d2	●	●	●	●		●	●	●	
Compact d1	●	●	●	●		●	●	●	●

iMAX

short implants | Ø 3.7

Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 3.7 countersink and 3.7 tap

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8	Step 9
Bone	Lance drill	Drill 2.0|2.4	Drill 2.4|2.8	Drill 2.8|3.3	Drill 3.3|3.8	Drill 3.8|4.4	Drill 4.4|4.8	Countersink	Tap
Soft d4	●	●		●					
Medium d3,d2	●	●		●	●			●	
Compact d1	●	●		●	●			●	●

iMAX - iMAX NHSIC

short implants | Ø 4.1

Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 4.1 countersink and 4.1 tap

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8	Step 9
Bone	Lance drill	Drill 2.0|2.4	Drill 2.4|2.8	Drill 2.8|3.3	Drill 3.3|3.8	Drill 3.8|4.4	Drill 4.4|4.8	Countersink	Tap
Soft d4	●	●	●		●				
Medium d3,d2	●	●	●		●	●		●	
Compact d1	●	●	●		●	●		●	●

iMAX - iMAX NHSIC

short implants | Ø 4.7

Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 4.7 countersink and 4.7 tap

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8	Step 9
Bone	Lance drill	Drill 2.0|2.4	Drill 2.4|2.8	Drill 2.8|3.3	Drill 3.3|3.8	Drill 3.8|4.4	Drill 4.4|4.8	Countersink	Tap
Soft d4	●	●	●	●		●			
Medium d3,d2	●	●	●	●		●	●	●	
Compact d1	●	●	●	●		●	●	●	●

iMAX - iMAX NHSIC

short implants | Ø 5.2

Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 5.2 countersink and 5.2 tap

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8	Step 9
Bone	Lance drill	Drill 2.0|2.4	Drill 2.4|2.8	Drill 2.8|3.3	Drill 3.3|3.8	Drill 3.8|4.4	Drill 4.4|4.8	Countersink	Tap
Soft d4	●	●	●	●	●		●		
Medium d3,d2	●	●	●	●	●		●	●	
Compact d1	●	●	●	●	●		●	●	●

VOLUTION

short implants | Ø 3.3

Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 3.3 countersink

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8
Bone	Lance drill	Drill 2.0|2.4	Drill 2.4|2.8	Drill 2.8|3.3	Drill 3.3|3.8	Drill 3.8|4.4	Drill 4.4|4.8	Countersink
Soft d4	•		•					
Medium d3,d2	•		•	•				•
Compact d1	•		•	•				•

VOLUTION

short implants | Ø 3.7

Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 3.7 countersink

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8
Bone	Lance drill	Drill 2.0|2.4	Drill 2.4|2.8	Drill 2.8|3.3	Drill 3.3|3.8	Drill 3.8|4.4	Drill 4.4|4.8	Countersink
Soft d4	•	•		•				
Medium d3,d2	•	•		•	•			•
Compact d1	•	•		•	•			•

VOLUTION

short implants | Ø 4.1

Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 4.1 countersink

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8
Bone	Lance drill	Drill 2.0|2.4	Drill 2.4|2.8	Drill 2.8|3.3	Drill 3.3|3.8	Drill 3.8|4.4	Drill 4.4|4.8	Countersink
Soft d4	•	•	•		•			
Medium d3,d2	•	•	•		•	•		•
Compact d1	•	•	•		•	•		•

VOLUTION

short implants | Ø 4.7

Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 4.7 countersink

	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8
Bone	Lance drill	Drill 2.0|2.4	Drill 2.4|2.8	Drill 2.8|3.3	Drill 3.3|3.8	Drill 3.8|4.4	Drill 4.4|4.8	Countersink
Soft d4	●	●	●	●		●		
Medium d3,d2	●	●	●	●		●	●	●
Compact d1	●	●	●	●		●	●	●

VOLUTION

short implants | Ø 5.2

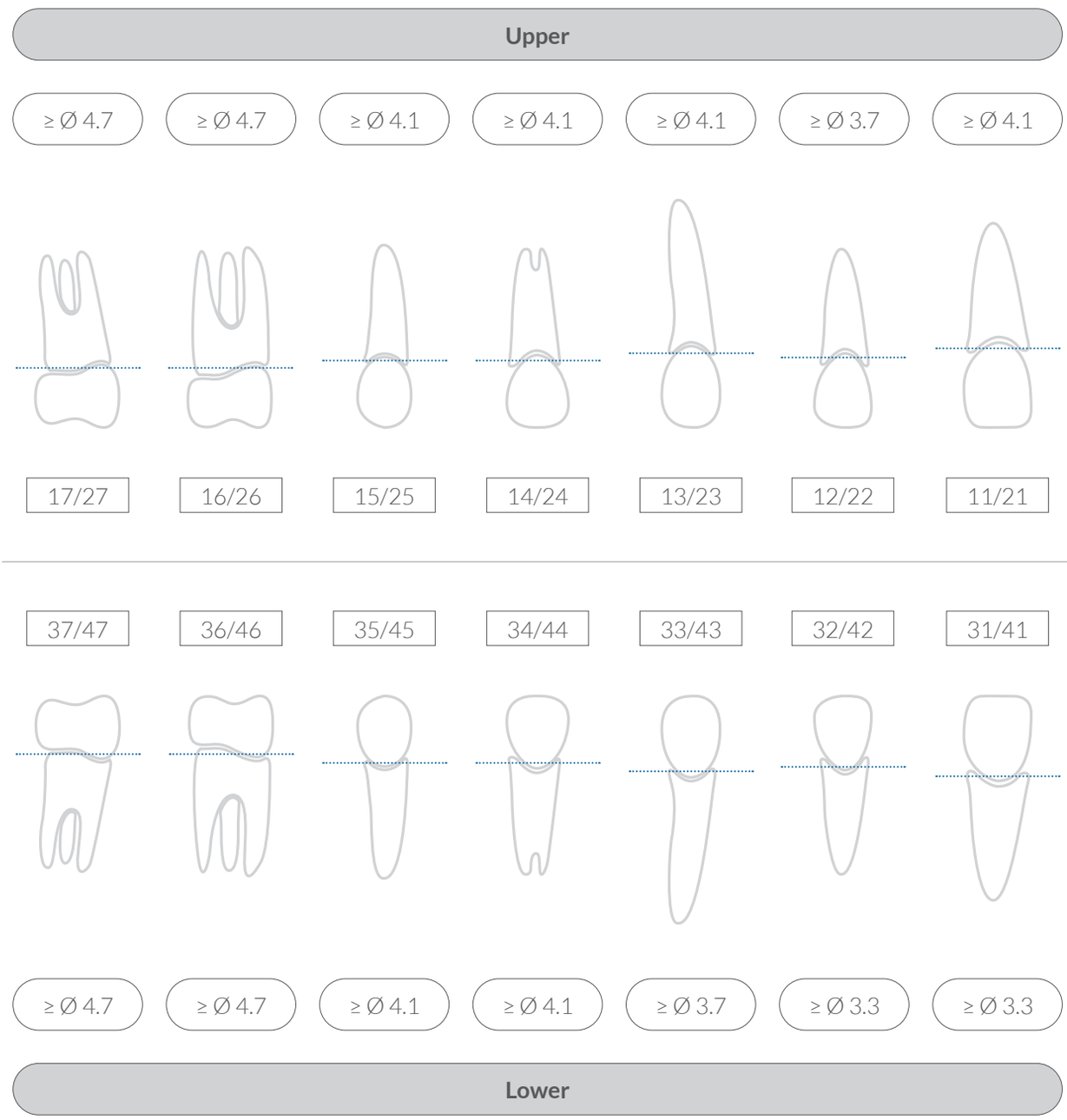
Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 5.2 countersink

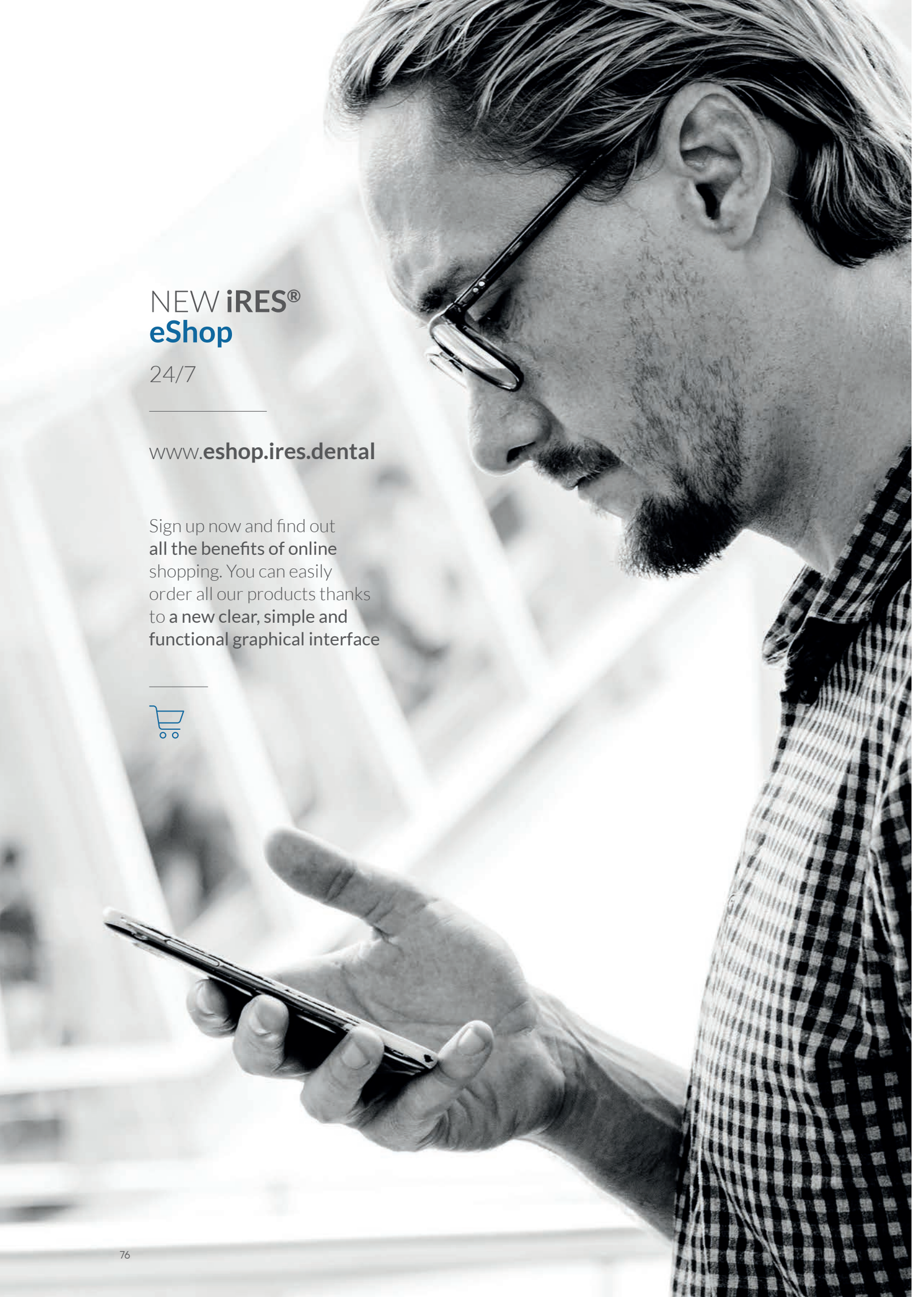
	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8
Bone	Lance drill	Drill 2.0|2.4	Drill 2.4|2.8	Drill 2.8|3.3	Drill 3.3|3.8	Drill 3.8|4.4	Drill 4.4|4.8	Countersink
Soft d4	●	●	●	●		●		
Medium d3,d2	●	●	●	●		●	●	●
Compact d1	●	●	●	●		●	●	●

MINIMUM IMPLANTS SIZE ALLOWED FOR POSITION

iRES declines all responsibility in case of failure if the information leaflet on page 73, are not be respected as regard the implants position in relation to implants site and diameters

Implant head





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24/7

www.**eshop.ires.dental**

Sign up now and find out **all the benefits of online** shopping. You can easily order all our products thanks to **a new clear, simple and functional graphical interface**

Product characteristics:

The SHAPE1, IMAX, VOLUTION, iMAXMUA and SHAPEM- INI implant systems, by I-RES Sagl, offers the dentist a wide choice of titanium implant configurations that differ in diameter, height and possibility of surgical po- sitioning A) submerged/bone level, B) transmucosal/ tissue level, and various prosthetic components for the different rehabilitation procedures.

Indications for use:

The SHAPE1, IMAX, VOLUTION, iMAXMUA and SHAPEMINI implant systems are indicated for surgical treatment in the upper or lower jaw for the partial or to- tal replacement of teeth in patients who have lost part or all of their teeth.
The implant to be used must be chosen by the medical personnel based on the medical history and on the subsequent surgical and prosthetic plan required for each individual patient. The onepiece implants iMAXMUA, having the same geometric shape of iMAX dental implants, ensure an excellent retention of the prosthe- sis, thanks to the ability to accommodate the retained screw designed for MUA components with a pitch of 1,72 mm instead of 1,4 mm as in the classic MUA.
The implants are delivered in sterile packs and the op- erator must pay great attention when positioning it in the oral cavity, so that the implant does not come in contact with elements that could alter the surface, hin- dering the healing processes, so all manoeuvres must be performed in an environment suitable for surgical activities.
The SHAPE1, IMAX, VOLUTION and iMAXMUA implant system has a series of dedicated surgical instruments for its implant lines, useful for the non-traumatic preparation of the site that is to receive the implant, and instruments designed for extracting the implant from the blister and transporting it to the mouth for in- sertion. Each blister containing the implant is provided with a closing screw, useful for sealing the internal part of the implant after it has been inserted in the mandib- ular or maxillary bone.
SHAPEMINI implants fix the dentures but can also be used for the replacement of a single tooth.

Contraindications:

Do not use SHAPE1, IMAX, VOLUTION, iMAXMUA and SHAPEMINI implant systems in patients who have a scarce amount of bone suitable to guarantee the pri- mary stability of the implant in the first phase of inser- tion, in patients with poor oral hygiene, smokers, with uncontrolled systemic pathologies and blood disor- ders. In addition to the normal contraindications for general surgery, the conditions described above can have a negative influence on the partial or total inte- gration of the implant.

Warnings:

To use the SHAPE1, IMAX, VOLUTION, iMAXMUA and SHAPEMINI implant systems by I-RES Sagl, the dentist must know the general surgical and prosthetic tech-

niques and the specific techniques for SHAPE1, IMAX, VOLUTION, iMAXMUA and SHAPEMINI, following the indications of the surgical protocol and specific train- ing courses. An incorrect choice of implant and surgi- cal technique can be prejudicial to the success of the operation, causing the loss of the implant and of the surrounding bone. No implant must be used that has been used previously, or that has come in contact with the organic elements of third parties.

The sterility of the implant is guaranteed by the sealed packaging and by correct storage in controlled dry environments; packages that are not intact or dam- aged are prejudicial to the use of the implant. For product traceability it is important to keep the batch number marked on the implant package and on the adhesive labels to be found in the same package. For the same reason it is recommended that the dentist keep as long as possible his patients' medical files, in which he has a record of their medical history, treat- ment plans, types of operations and prosthetic reha- bilitations performed and everything that can be useful for the patient's medical history. The use of non-orig- inal I-RES instruments is not advised, as is the failure to follow the indications for inserting the SHAPE1, IMAX, VOLUTION, iMAXMUA and SHAPEMINI implant systems and the respective prosthetic components, because they have been designed to obtain the best result.

SHAPE1, IMAX, VOLUTION, iMAXMUA and SHAPEMI- NI implant systems must be inserted with a maximum torque of 50 Ncm, exceeding this force could be prej- udicial to the precision of connection with the subse- quent prosthetic part.

The SHAPE1, IMAX, VOLUTION, iMAXMUA and SHAPEMINI implant system includes, in its range, some implants with very small diameters (such as Ø 3.3 and Ø 2,7 mm for mini-implants) which must be used as im- plants only in the front of the mouth and not in diatoric areas where there is great masticatory stress.

Especially the mini implants, with a Ø 2.7 mm, may be used only for the anchorage of the prosthesis. Furthermore, the implants with Ø 3.7 mm must not be inserted individually on premolars and molars, but at most should be only linked with bars to distribute the loading force.

SHAPEMINI mini-implants may be used only in the front part of the mouth for single tooth replacement and not in the rear part of the mouth where masticatory stress are higher, in this sites, they can only be used for den- tures anchoring.

THE COMPANY I-RES SAGL. DISCLAIMS HERSELF FOR ANY LIABILITY DUE TO THE NON OBSERVANCE OF THE INDICATIONS REPORTED IN THIS INSTRUCTION LEAFLET.

Collateral effects:

The known possible collateral effects are the partial or total failure of osseointegration, with consequent loss of the prosthetic function for which the implant system is intended, pain and transient paresthesia, fracture due to excessive load on the implant system, post or prosthesis

Pre-operative planning:

The careful study and assessment of patients who are candidates for implant-prosthetic therapy is of funda- mental importance. Physical, instrumental, and radio- logical examinations and the study of models allow the dentist to make the best diagnosis and consequent therapy. The preparation of the patient for surgical implant therapy and the preparation of the operating room must be given the same care and attention as general surgery; the preparation of the implant site using dedicated drills with controlled revolutions, cooled with saline solution, these are all indispensable conditions for implant therapy.

Surgical complications:

Implant surgery operations may lead to some compli- cations that are usually temporary and restricted to the area of operation, such as inflammation, paresthesia, haematoma; there may also be injuries to nerves, to vascular complexes and the membrane of the maxillary sinus. Bone sequestration has rarely occurred.

Materials and packaging:

The SHAPE1, IMAX, VOLUTION, iMAXMUA and SHAPEMINI implant system is made of commercially pure grade 4 titanium (ASTM F67) and grade 5 titanium alloy (ASTM F136).
SHAPE1, IMAX, VOLUTION, iMAXMUA and SHAPEMINI implants are surface treated to improve osseo- ointe- gration by means of sandblasting followed by double acid-etching.
In the market are also available implants with different surface treatments depending on the intended use of the product, as well as implants with a final coating with hyaluronic acid for a better bone tissue healing.
The only machined implants are suitable for the patient with periodontitis.
The Hybrid implants (presenting a surface half machined and half superficially treated) are specified both for patients with periodontitis and for all those patients where stimulation is necessary to facilitate a rapid osseointegration aimed to reduce the real and possible insurgence of the periimplantitis.
Decontamination is performed with cold Argon plasma followed by packaging in a cleanroom, for the final sterilization phase with gamma or beta rays. The pack containing the implant and the respective cover screw must be opened in a sterile environment in the phases of surgical implant therapy.
Ires' Sagl implants are DISPOSABLE devices. Their re- use is not desirable from a medical, legal and ethical point of view. The use of not validated sterilization pro- cedures can cause both the infection onset in the pa- tient and impair the product performances. The failure compliance with these instructions implies a different use as provided by the manufacturer and those who make the reuse must take this action on their own re- sponsibility.

Symbols on the package:

	MANUFACTURER I-RES® SAGL Riva Caccia, 1/D 6900 Lugano [Switzerland] info@ires.dental www.ires.dental
CE 0426	CE Mark according to standard MDD93/42/EEC
LOT	Batch number
	use before the expiry date
STERILE R	Sterilized by gamma or beta rays
	Do not reuse
	Do not restirilize
	Follow the instructions given in the illustrative leaflet
	Do not expose to direct sunlight
	Do not expose to rain and keep in an environment free from damp
	Do not use if the packaging is damaged

IFU_Shape1_Rev02 - 02/2017

PROSTHETIC COMPONENTS

package leaflet

The I-RES implant-prosthetic system is intended for use in the oral cavity and is provided with useful components to enable the dentist and the dental technician to prosthetically complete the operation begun by the dentist by inserting the implant in the patient. The I-RES implant-prosthetic system completes the line of I-RES dental implants and the respective I-RES instruments.

Product characteristics

Healing screws. The healing screw is a device used by the dentist to keep the oral mucosa pervious in the vi- cinity of the implant previously inserted. Once the soft tissues have healed, this will allow the dentist to per- form the subsequent manoeuvres for prosthetization. The healing screws are made of grade 5 titanium.

Transfer. The transfer in grade 5 titanium is the instru- ment that allows the transfer from the mouth to a model of the information needed for the prosthetic connec- tion and for making the respective prosthesis. There are two types of transfer: "closed tray and open tray", and they are all composed of two parts (a screw and a repositioner). After being inserted in the implant and secured to it with the screw, the transfer is ready to take the impression in the mouth.

Analog. The analog made of grade 5 titanium has the function of reproducing the internal characteristics of the implant and it must be securely fixed to the transfer. Once joined, the model can be cast.

Straight, angled and millable posts. They are made of grade 5 titanium; they have different shapes depend- ing on the characteristics they have to satisfy, they are used mostly for prosthetic rehabilitations of bridges or crowns. The choice of the device that must be con- nected to the analog in the first phase is dictated by the clinical and processing decisions, which are at the discretion of the dentist and the dental technician.

Plastic posts. Plastic posts may be divided into two families, one for using directly in the oral cavity, appropriately modified and connected to the post to support temporary prostheses, one for the transformation of plastic posts into metal posts by the dental technician, with processing characteristics that are at the discretion of the dentist and the dental technician.

Gold Bases. These are components made of gold alloy and allow the creation of customized posts using overcasting techniques.

Ball attachments. Ball attachments are made of grade 5 titanium and, once fixed to the implants, they are able to act as an anchorage by means of special attach- ments to the patient's mobile prosthesis.

Contraindications:

Do not use I-RES products on patients who have allergies to the materials of which the component is made. The use of I-RES components in patients who have metabolic and periodontal diseases or poor oral hygiene may be prejudicial to the success of the

work, as may prosthetic constructions not in line with international standards. The lack of periodic controls, which the patient must undergo with his dentist after prosthetisation, may compromise the life of the im- plant-prosthetic system.

Warnings:

I-RES prosthetic components are reserved for use by personnel with knowledge of the subject. I-RES points out that alterations to the implant/post connections may be prejudicial to the success of the work, as may the failure to use original components. When using prosthetic components it is important to follow the instructions given by the dentist and the dental technician. When using prosthetic components in the oral cavity it is important to respect the final tightening value which must be between 20 and 30 Ncm, as better specified in the catalogue.

Collateral effects

Today there are no known collateral effects in the use of I-RES components that can endanger the patient's health.

Prosthetic planning:

The choice of the I-RES components to be used for the case is the specific responsibility of the dentist and of the dental technician, depending on their requirements.

Materials and packaging:

All I-RES prosthetic components are packed in such a way as to be immediately identifiable, once removed from their pack; it is important for the operator to pay great attention in identifying them to avoid changes of position during work. It is useful to make note of the material batch used on the patient's file, for the pur- pose of traceability. Whether it has been processed or not, before inserting the I-RES prosthetic component in the oral cavity it is of fundamental importance that it be washed and sterilized. Some I-RES components are single-use, so intended for only one patient.

Cleaning | sterilization | storage:

Caution !!! All prosthetic components for dental implants are sold NON-STERILE.

Before use, all prosthetic components must be cleaned, disinfected and sterilized. These process- es must also be performed before intraoral use, i.e. before each use for any test phases and in any case before final restoration loading. Repetition of the pro- cesses described in this paragraph does not alter the characteristics of these devices. Failure to follow these indications may lead to the onset of infections and complications for the implant and, more generally, for the patient. Important: care must be taken during the subsequent phases in preserving the zone of the connection with the implant (hexagon/octagon/threading).

a. Cleaning:

In case of automatic cleaning: use an ultrasound bath with a suitable detergent solution. Use neutral detergents only. Follow the manufacturer's instructions concerning concentrations and washing times. Use demineralised water to prevent the formation of stains and marks.

When cleaning manually: use a suitable neutral detergent and follow the manufacturer's user instructions. Brush the products with a soft-bristled brush (non-metal bristles) under running water. Use the brush to apply the detergent to all surfaces. Rinse with dis- tilled water. After rinsing, dry the devices thoroughly and place them inside suitable sterilization bags.

b. Sterilization:

Place in a vacuum autoclave and sterilize as follows: Temperature = 121 – 124°C, with autoclave cycle of at least 20 minutes and drying cycle of 15 minutes.

c. Storage:

After sterilization, the product must remain in the ster- ilization bags. Only open the bags immediately prior to use. In normal conditions, sterilization bags main- tain the sterility of the contents, unless the wrapping is damaged. Therefore, do not use components if the bags in which they were kept are damaged, and rest- erilizes in new bags before using them again. The stor- age time of products sterilized inside the bags should not exceed that recommended by the manufacturer of the bags.

The product must be stored in a cool dry place, away from direct sunlight, water and heat sources.

ATTENTION:

Some components such as transfers and healing screws are devices that can be reused after.

CLEANING/STERILIZATION/STORAGE (follow the re- spective indications).

DO NOT REUSE a device classified as SINGLE-USE. Although it cannot be seen, it could be mechanically deformed or have been contaminated.

Disposal procedures:

If removed from the oral cavity due to biological or mechanical failure, the prosthetic components must be disposed of as biological waste according to local regulations. More detailed information on the use of the medical device can be found in the specific Surgical Protocol available on the site www.i-res-group.com or in the IRES Shape1 catalogue supplied by the Manufacturer.

Symbols on the package:

MANUFACTURER
I-RES® SAGL Riva Caccia, 1/D
6900 Lugano [Switzerland]
info@ires.dental www.ires.dental

CE 0426 — CE Mark according to standard MDD93/42/EEC

LOT — Batch number

use before the expiry date

Do not reuse

Follow the instructions given in the illustrative leaflet

Do not expose to direct sunlight

Do not expose to rain and keep in an environment free from damp

Do not use if the packaging is damaged

NON STERILE — not sterile

INSTRUCTIONS FOR iRES ROTARY INSTRUMENTS (DRILLS - COUNTERSINKS - TAPS) FOR THE PREPARATION OF THE SITE THAT HAS TO RECEIVE IRES® SHAPE1® IMPLANTS

Product description:

Dental drills, produced by I-RES Sagl, must be used as tools to perforate the bone. The diameters to be used, the lengths and the drilling sequence (number of drills to be used) are the sole choice and decision of the dentist, depending on the surgical protocol that must be followed. The maximum recommended speed is 800 rpm with saline solution applied directly on the drill to assist cooling.

a) The sole purpose of the initial precision drill is to incise the cortical bone in a very precise point where it will later be drilled.

b) The helical drills have laser markings for reference which identify the depth to be reached. Of course, in the use of this type of drill the manual skill and experience of the dental surgeon are extremely important, especially for stopping at the chosen depth.

c) Countersinks are used when it is necessary to widen the initial part of the hole made to adapt the shape that of the neck of the implant to be inserted. The maximum recommended speed is 300 rpm with saline solution applied directly on the drill to assist cooling.

d) Bone taps: in particularly dense bone (type I), before insertion it is advisable to use a bone tap with the same profile as the implant to be inserted. The bone tap has a greater cutting power than the implant, allowing the site to be prepared with reduced trauma. The maximum recommended speed is 30 rpm with saline solution applied directly on the bone tap to

assist cooling.

Materials used:

All I-RES Sagl drills are made of medical grade steel and undergo hardening heat treatment. The maximum recommended number of uses of the devices is 40 times.

Warnings and general precautions:

• It is fundamental to respect the surgical protocol that establishes the diameters, lengths and the sequence of use. The operator is fully responsible for any uses other than those indicated.

•Check that the drills to be used are in good condition, already cleaned and sterilized.

• Check that the drills are in good condition and have not been used more than 40 times.

• Before using them, check that the hand-piece holds the drills perfectly secure and that they rotate in the correct direction.

• Ensure that there is adequate irrigation.

• The application of leverage during drilling could cause breakage of the drill, the hand-piece, or the

bone walls on which you are working.

During drilling always exert alternating pressure, using the intermittent drilling technique.

• Always check that the laser marking that indicates diameter and length is clearly visible.

• Any eccentricity or lack of straightness in the drill could result in an oversized hole.

• Wear eye protection, to protect against particles that may be ejected.

CLEANING / STERILIZATION / STORAGE:

The medical devices are supplied NON-STERILE.

Before use, all rotary devices must be cleaned, disinfected and sterilized.

Failure to follow these indications may lead to the onset of infections and complications for the implant and, more generally, for the patient.

a. Cleaning

In case of automatic cleaning: use an ultrasound bath with a suitable detergent solution. Use neutral detergents only. Follow the manufacturer's instruc- tions concerning concentrations and washing times. Use demineralised water to prevent the formation of stains and marks.

When cleaning manually: use a suitable neutral detergent and follow the manufacturer's user instructions. Brush the products with a soft-bristled brush (non-metal bristles) under running water. Use the brush to apply the detergent to all surfaces. Rinse with distilled water. After rinsing, dry the devices thoroughly and place them inside suitable sterilization bags.

b. Sterilization

Place in a vacuum autoclave and sterilize as follows: Temperature = 121 – 124°C, with autoclave cycle of at least 20 minutes and drying cycle of 15 minutes.

c. Storage

After sterilization, the product must remain in the ster- ilization bags. Only open the bags immediately prior to use. In normal conditions, sterilization bags main- tain the sterility of the contents, unless the wrapping is damaged. Therefore, do not use components if the bags in which they were kept are damaged, and re-sterilize in new bags before using them again. The storage time of products sterilized inside the bags should not exceed that recommended by the man- ufacturer of the bags. The product must be stored in a cool dry place, away from direct sunlight, water and heat sources.

More detailed information on the use of the medical device can be found in the Surgical Protocol. If you do not have a copy, request one from your distributor or directly from the manufacturer.

Symbols on the package:

MANUFACTURER
I-RES® SAGL Riva Caccia, 1/D
6900 Lugano [Switzerland]
info@ires.dental
www.ires.dental

CE 0426 — CE Mark according to standard MDD93/42/EEC

LOT — Batch number

Follow the instructions given in the illustrative leaflet

Do not expose to direct sunlight

Do not expose to rain and keep in an environment free from damp

Do not use if the packaging is damaged

NON STERILE — Not sterile

CERTIFICATION

iRES® SAGL is a company with system EN ISO 13485 quality management whose quality standards are rigorously tested by the Notified Body. Process of on going FDA certification.

Certified Management System
ITALCERT
EN ISO 13485

implant systems

prosthetic solutions

continuing education

guided surgery

regenerative materials

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