iRES complete solutions for oral surgery

OUR **IMPLANT SYSTEMS**

RELIABLE, EFFICIENT, SAFE

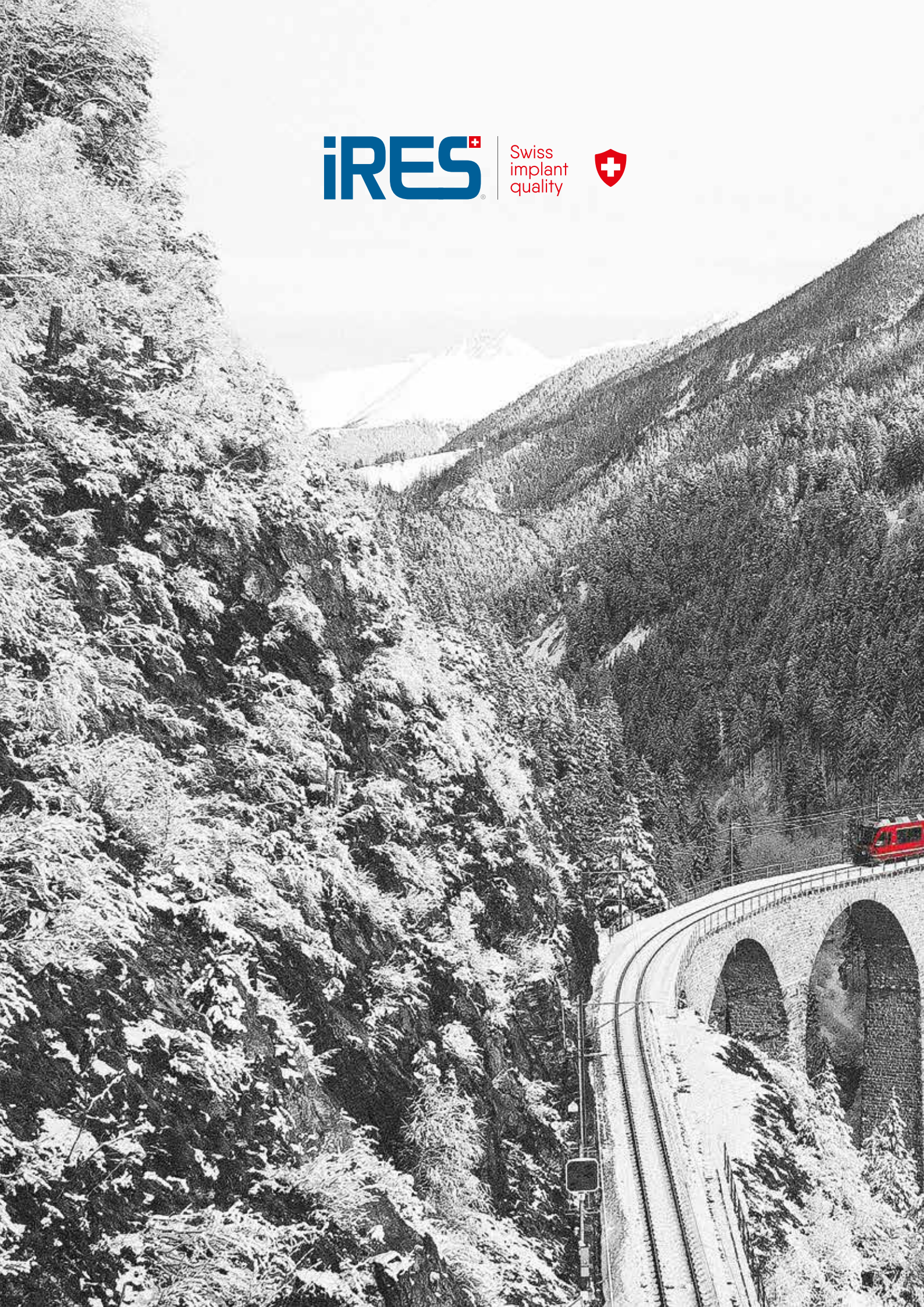
IESS GROUP DENTAL INTELLIGENCE

geass iRES

Implant catalog

iRES

Swiss
implant
quality



OUR **IMPLANT SYSTEMS**

Reliable
Efficient
Safe

SHAPEONE

- **Internal hex ø 3.7 - 4.1 - 4.7**

VOLUTION

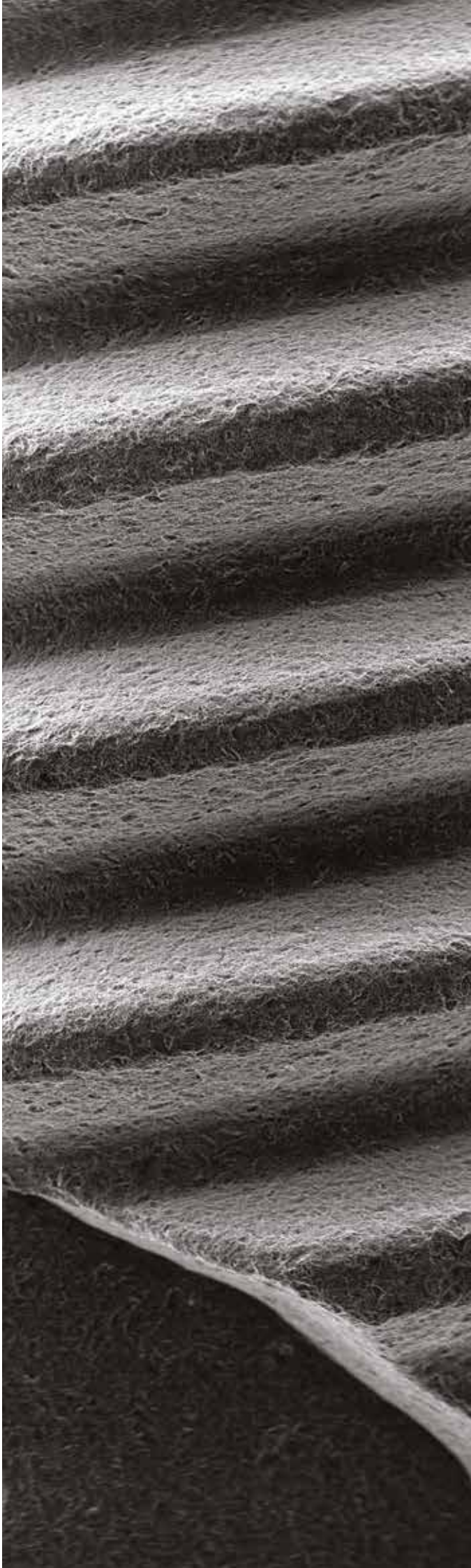
- **Internal hex ø 3.3 - 3.7 - 4.1 - 4.7 - 5.2**

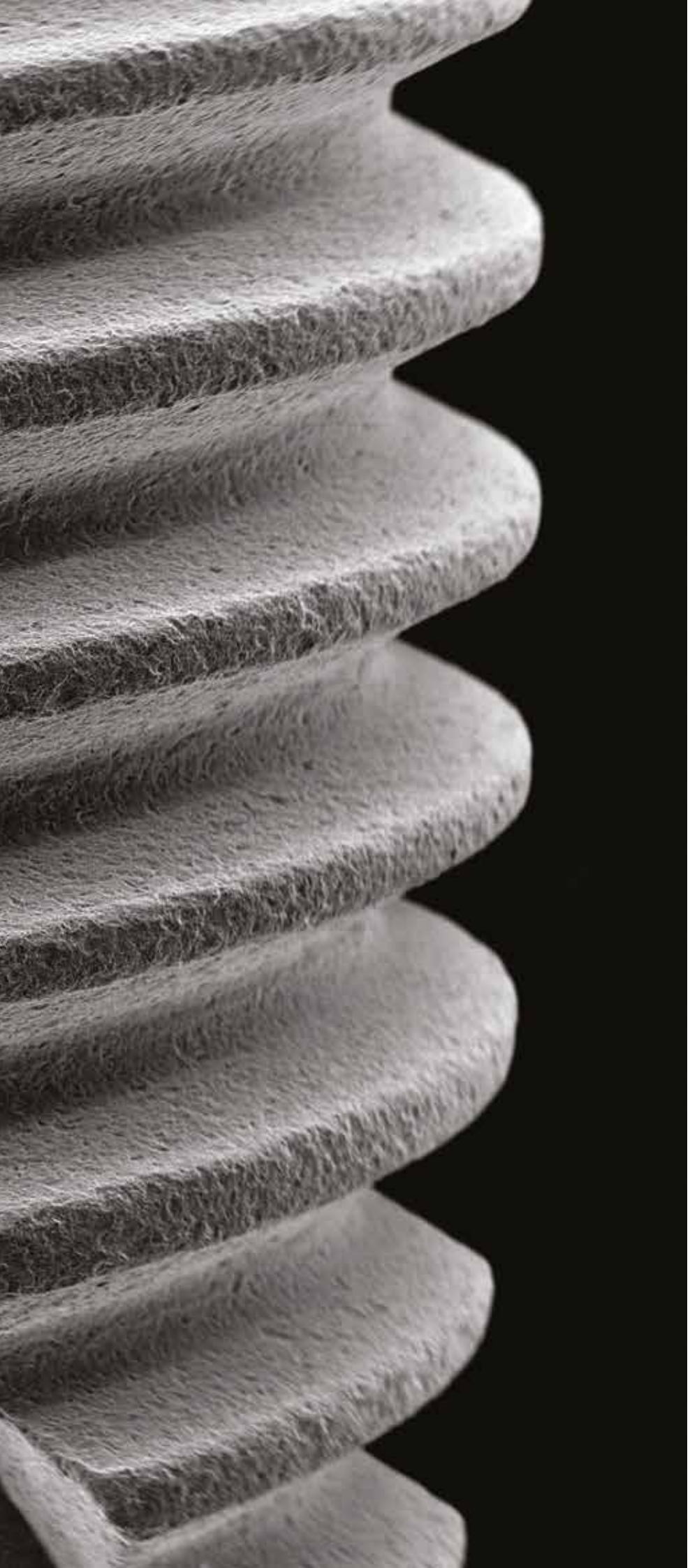
iMAX

- **Internal hex ø 3.3 - 3.7 - 4.1 - 4.7 - 5.2**
- **External hex ø 3.3 - 3.7 - 4.1 - 4.7 - 5.2**

iMAX MISIC

- **Cono-morse narrow ø 3.3 - 3.7 - 4.1 - 4.7 - 5.2**





BONE LEVEL IMPLANTS

INTERNAL HEX 2.1 mm | Bone Level ø 3.3

iMAX

UNIVERSAL SYSTEM FOR ALL TYPES OF BONES

FINE DOUBLE THREAD IMPLANT

Ø	Implant thread	Connection	Platform	Hex	Thread
3.3	Fine double thread 0.6 mm	Internal hex	3.2 mm	2.1 mm	1/72

	Ø 3.3
Heights (mm)	10 | 11.5 | 13 | 16
Material	Titanium Gr. 5

1. Platform switching

2a. 3 mm machined implant

2b. 1 mm machined neck

3. Cylindrical body

4. 60° 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

NHSI-HYHA

Hybrid with hyaluronic acid

165,00

NHSI-C

Neck Machined

135,00

DRIVERS

Material Surgical steel

Description	Code
h 25 mm	HDH21S

Description	Code
h 30 mm	HDH21L

INTERNAL HEX 2.1 mm | Bone Level ø 3.3

VOLUTION

BETTER INSERTION FACILITY

LARGE DOUBLE THREAD IMPLANT

Ø	Implant thread	Connection	Platform	Hex	Thread
3.3	Large double thread 0.9 mm	Internal hex	3.2 mm	2.1 mm	1/72

	Ø 3.3
Heights (mm)	8 | 10 | 11.5 | 13 | 16
Material	Titanium Gr. 5

1. Platform switching

2. Implant with ogival design (bullet type)

3. Pronounced spires with cutting profile with 10° and 20°. Higher primary stability

4. 2 spiral counter-unload furrows

5. Tip with self-perforating auger design with grinding effect

SVB-C

Neck Machined

135,00

DRIVERS

Material Surgical steel

Description	Code
h 25 mm	HDH21S

Description	Code
h 30 mm	HDH21L

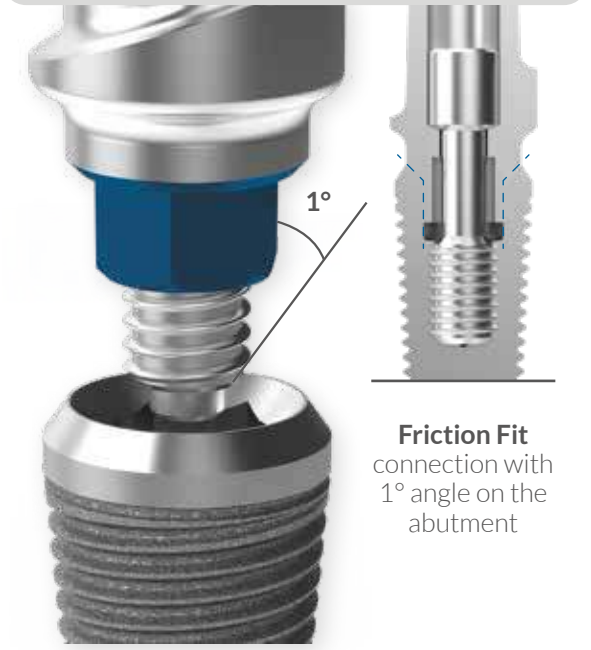
INTERNAL HEX 2.1 mm | Bone Level ø 3.3

IMPLANT CONNECTION

rationalization of prosthetic components

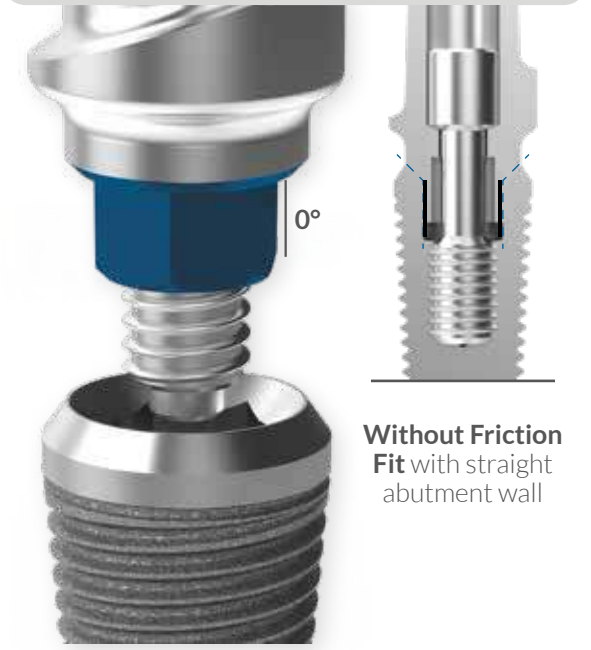
Prosthetic components with **Friction Fit** connection have been developed for **SVB** and **NHSI** implant systems with **internal hex** connection. This connection ensures a **"cold fusion"** between implant and abutment if the retaining screw has been tightened at 30 Ncm. It eliminates micro movements and reduces bacterial infiltration between implant and abutment.

Internal hex



Friction Fit connection with 1° angle on the abutment

Internal hex



Without Friction Fit with straight abutment wall

MANAGEMENT OF SOFT TISSUES

The following configurations are available for improved soft tissue management.

Straight profile

S profile

Concave profile

description | €

SURGICAL SCREWS

provided with the implant, available as spare parts | Material TI-6AI-4V

Ø 3.5 mm thread 1/72

15.00 €

S1BNCS

Ø 5.2 mm thread 1/72

15.00 €

S1BNCSL

PROSTHETIC SCREWS

Maximum screwing torque 30 Ncm — Material TI-6AI-4V

For abutments thread 1/72

15.00 €

S1BRS1

For comp MUA thread 1/72

15.00 €

S1BRS2

Long for transfer thread 1/72

15.00 €

S1BDTRS

Prosthetic screws torx

15.00 €

S1BRS1T6

HEALING SCREWS

Material TI-6AI-4V

Ø 3.5 mm

25.00 €

Code	h (mm)
S1BN3530HC	3
S1BN3545HC	4.5
S1BN3560HC	6

S1BN35 [XX] HC

With flared profile Ø 3.5 mm

25.00 €

Code	h (mm)
S1BN3510HCC	1
S1BN3530HCC	3
S1BN3545HCC	4.5
S1BN3560HCC	6

S1BN35 [XX] HCC

ANALOG

Material TI-6AI-4V

Analog

21.00 €

S1BNIA

Short analog for guided surgery

21.00 €

S1BNIAS

Digital analog

21.00 €

S1BNDIA

description | €

description | €

DIGITAL SCAN ABUTMENT

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

55.00 €

S1BNSA

INDIRECT IMPRESSION TRANSFER

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

Ø 3.5 mm
Indirect transfer cap included

65.00 €

S1BN135ITC

Indirect transfer cap

20.00 €

ITC

Multifunction abutment
Ø 3.5 mm

55.00 €

S1BN1A35

Multifunction abutment
Ø 3.5 mm
with flared profile

65.00 €

S1BN1M35C

DIRECT IMPRESSION TRANSFER

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

Ø 3.5 mm

35.00 €

S1BNDT35 *

Multifunction abutment
Ø 3.5 mm

55.00 €

S1BN1A35L *

Multifunction abutment
Ø 3.2 mm

55.00 €

S1BN1M35L *

3-components for disparallel systems
Ø 5 mm

45.00 €

S1BNDT403

description | €

TEMPORARY STRAIGHT ABUTMENTS

S1BRS1 screw included

PEEK
Ø 3.5 mm

55.00 €

S1BN135PP

Anti rotation
TI-6Al-4V
Ø 3.5 mm

45.00 €

S1BN135P

Rotating
TI-6Al-4V
Ø 3.5 mm

45.00 €

S1BN135PR

DEFINITIVE STRAIGHT ABUTMENTS | ANATOMIC

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

Friction Fit
Ø 3.5 mm

65.00 €

S1BN135FF

Anatomic
without
Friction Fit
Ø 4 mm

55.00 €

S1BN1 [x] 40

Code	h (mm)
S1BN1140	1
S1BN1340	3

Anatomic with
Friction Fit
Ø 4 mm

65.00 €

S1BN1 [x] 40F

Code	h (mm)
S1BN1140F	1
S1BN1340F	3

Abutments
for welded
technique

55.00 €

S1BN1TS

description | €

description | €

T-BASE

*S1BRS1 screw included | **S1BRS1 and S1BRS1T6 screw included | Material TI-6Al-4V

IMPLANT LIBRARIES AVAILABLE ON THE SITE https://it.ires.dental/media-kit/

Friction Fit
with emergence
profile
Ø 3.5 mm

65.00 €

S1BN135F*

Rotating
with emergence
profile
Ø 3.5 mm

55.00 €

S1BN135R*

Friction Fit
without
emergence
profile
Ø 3.5 mm

65.00 €

S1BN135FS*

Rotating
without
emergence
profile
Ø 3.5 mm

55.00 €

S1BN135RS*

Not rotating
Ø 3.7 mm
Cuff 0.8 mm
Shoulder
0.4 mm

75.00 €

S1BN11DCTB**

Not rotating
Ø 3.7 mm
Cuff 1.8 mm
Shoulder
0.4 mm

75.00 €

S1BN12DCTB**

Not rotating
Ø 3.7 mm
Cuff 2.8 mm
Shoulder
0.4 mm

75.00 €

S1BN14DCTB**

Not rotating
Ø 4.5 mm
Cuff 1.8 mm
Shoulder
0.8 mm

75.00 €

S1BN12DCTB50**

Not rotating
Ø 4.5 mm
Cuff 2.8 mm
Shoulder
0.8 mm

75.00 €

S1BN14DCTB50**

Rotating
Ø 3.7 mm
Cuff 0.8 mm
Shoulder
0.4 mm

75.00 €

S1BN11DCTBR**

Rotating
Ø 3.7 mm
Cuff 1.8 mm
Shoulder
0.4 mm

75.00 €

S1BN12DCTBR**

Rotating
Ø 3.7 mm
Cuff 2.8 mm
Shoulder
0.4 mm

75.00 €

S1BN14DCTBR**

description | €

Rotating
Ø 4.5 mm
Cuff 1.8 mm
Shoulder
0.8 mm

75.00 €

S1BN12DCTBR50**

description | €

Rotating
Ø 4.5 mm
Cuff 2.8 mm
Shoulder
0.8 mm

75.00 €

S1BN14DCTBR50**

Not rotating
Cerec shape

65.00 €

S1BN1DTBC

Rotating
Cerec shape

65.00 €

S1BN1DTBCR

ANATOMIC DEFINITIVE ANGLED ABUTMENTS

S1BRS2 screw included | Material TI-6AI-4V

Without
Friction Fit
15°
Ø 4 mm

65.00 €

Code	h (mm)
S1BN211540	1
S1BN231540	3

S1BN2 [x] 1540

Without
Friction Fit
25°
Ø 4 mm

65.00 €

Code	h (mm)
S1BN212540	1
S1BN232540	3

S1BN2 [x] 2540

Friction Fit
15°
Ø 4 mm

75.00 €

Code	h (mm)
S1BN211540F	1
S1BN231540F	3

S1BN2 [x] 1540F

Friction Fit
25°
Ø 4 mm

75.00 €

Code	h (mm)
S1BN212540F	1
S1BN232540F	3

S1BN2 [x] 2540F

CASTABLE ABUTMENTS

S1BRS1 screw included

Gold base
POM-C /
AU&PGM
Ø 4.5 mm

110.00 €

S1BN3GA35 *

POM-C
Ø 3.5 mm

29.00 €

S1BN3PC35

Rotating
POM-C
Ø 3.5 mm

29.00 €

S1BN3PCR35

Titanium base
TI-6AI-4V

75.00 €

S1BN3PTC45

*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 | €

description | €

STRAIGHT MUA ABUTMENTS

Mounter included | Material TI-6Al-4V

Ø 5 mm

55.00 €

S1BN4 [X]

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

For MUA prosthetic components visit page 66
Tighten with HDH20 driver (page 80)

ANGLED MUA ABUTMENTS

Mounter and S1BRS2 screw included | Material TI-6Al-4V

18°
Ø 5 mm
h 0/2 mm

85.00 €

S1BN518

30°
Ø 5 mm
h 0/2 mm

85.00 €

S1BN532

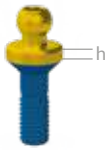
For MUA prosthetic components visit page 66

BALL ABUTMENTS

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

Ø 4 mm

45.00 €



S1BN6 [X]

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

Containment ring

CAH

Nylon containment cap

CALT

Tighten with MDS (page 81) or MDL (page 81) screwdriver

CONTAINMENT RING and CONTAINMENT CAP

Available as replacement

Material TI-6Al-4V

Containment ring

15.00 €

CAH

Nylon containment cap

7.50 €

CALT

description | €

description | €

iRETOR (Ring and cap not included)

TIN Treatment on the gold part

TIN

95.00 €

S1BN8 [XX]

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

Tighten with 8393 screwdriver (page 81)

iRETOR ACCESSORIES

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

50.00 €

8530

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

50.00 €

8505

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

27.50 €

S1B85

Resistant male
(1.8 kg)
Q.ty: 4

30.00 €

S1B8518

Light male
(1.2 kg)
Q.ty: 4

30.00 €

S1B8512

Extralight male
(0.6 kg)
Q.ty: 4

30.00 €

S1B8506

INTERNAL HEX da 2.5 mm | Bone level ø 3.7 - 4.1 - 4.7 - 5.2

SHAPEONE

EXCELLENT PRIMARY STABILITY ALSO IN BONE D4

FINE TRIPLE THREAD IMPLANT

Ø	Implant thread	Connection	Platform	Hex	Thread
3.75 - 4.1 - 4.7	Triple thread 0.9 mm	Internal hex	3.5 mm	2.5 mm	1/72

	Ø 3.75	Ø 4.1 e Ø 4.7
Heights (mm)	8 | 10 | 11.5 | 13 | 16	6.5 | 8 | 10 | 11.5 | 13 | 16
Material	Titanium Gr. 5	Titanium Gr. 4

1. Platform switching

2a. 3 mm machined implant

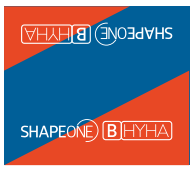
2b. 1 mm machined neck

3. Self tapping conical body

4. 60° triple thread over the entire body implant with a pitch of 1,8 mm

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



S1B-HYHA

Hybrid with hyaluronic acid

165,00

S1B-C

Neck Machined

130,00

DRIVERS

Material Surgical steel

Description	Code
h 25 mm	HDH25S

Description	Code
h 30 mm	HDH25L

INTERNAL HEX 2.5 mm | Bone level — ø 3.7 - 4.1 - 4.7 - 5.2

iMAX

UNIVERSAL SYSTEM FOR ALL TYPES OF BONES

FINE DOUBLE THREAD IMPLANT

Ø	Implant thread	Connection	Platform	Hex	Thread
3.75 - 4.1 - 4.7 - 5.2	Fine double thread 0.6 mm	Internal hex	3.5 mm	2.5 mm	1/72

	Ø 3.75	Ø 4.1 e Ø 4.7	Ø 5.2
Heights (mm)	8 | 10 | 11.5 | 13 | 16	6.5 | 8 | 10 | 11.5 | 13 | 16	6.5 | 8 | 10 | 11.5 | 13
Material	Titanium Gr. 5	Titanium Gr. 4	Titanium Gr. 4

1. Platform switching

2a. 3 mm machined implant

2b. 1 mm machined neck

3. Cylindrical body

4. 60° 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

NHSI-HYHA

Hybrid with hyaluronic acid

165,00

NHSI-C

Neck Machined

130,00

DRIVERS

Material Surgical steel

Description	Code
h 25 mm	HDH25S

Description	Code
h 30 mm	HDH25L

INTERNAL HEX 2.5 mm | Bone level — ø 3.7 - 4.1 - 4.7 - 5.2

VOLUTION

BETTER INSERTION FACILITY

LARGE DOUBLE THREAD IMPLANT

Ø	Implant thread	Connection	Platform	Hex	Thread
3.75 - 4.1 - 4.7 - 5.2	Large double thread 0.9 mm	Internal hex	3.5 mm	2.5 mm	1/72

	Ø 3.75	Ø 4.1 e Ø 4.7	Ø 5.2
Heights (mm)	8 | 10 | 11.5 | 13 | 16	6.5 | 8 | 10 | 11.5 | 13 | 16	6.5 | 8 | 10 | 11.5 | 13
Material	Titanium Gr. 5	Titanium Gr. 4	Titanium Gr. 4

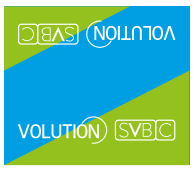
1. Platform switching

2. Implant with ogival design (bullet type)

3. Pronounced spires with cutting profile with 10° and 20°. Higher primary stability

4. 2 spiral counter-unload furrows

5. Tip with self-perforating auger design with grinding effect



SVB-C

Neck Machined

135,00

DRIVERS

Material Surgical steel

Description	Code
h 25 mm	HDH25S

Description	Code
h 30 mm	HDH25L

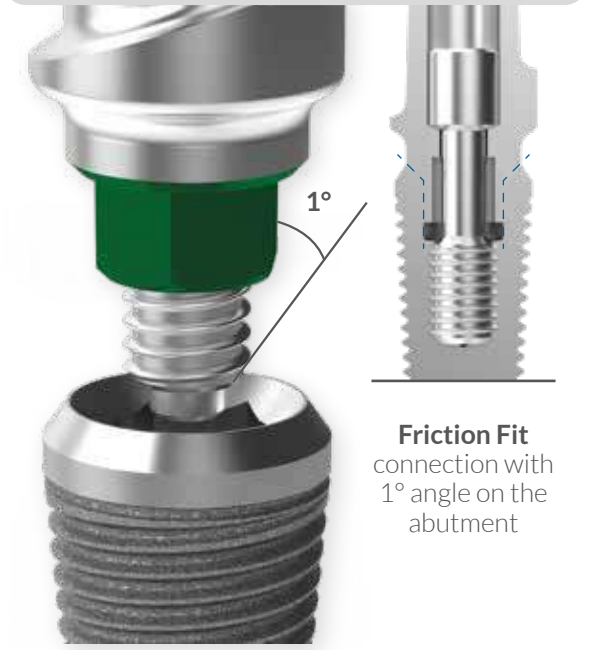
INTERNAL HEX 2.5 mm | Bone level — ø 3.7 - 4.1 - 4.7 - 5.2

IMPLANT CONNECTION

rationalization of prosthetic components

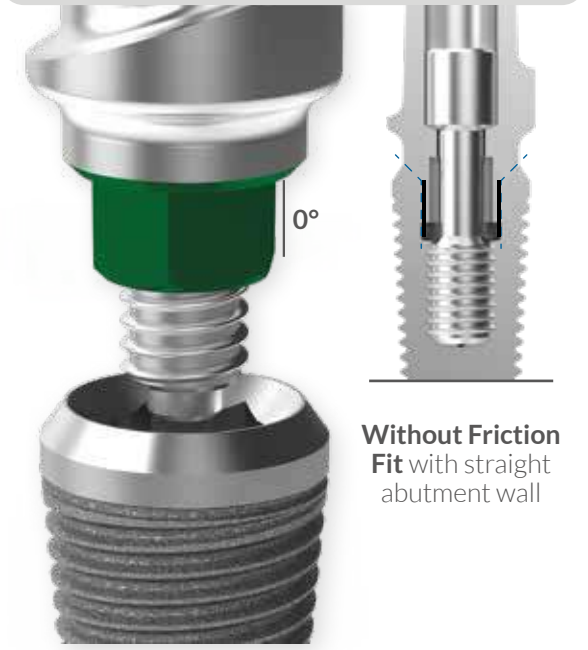
Prosthetic components with **Friction Fit** connection have been developed for **S1B, SVB** and **NHSI** implant systems with **internal hex** connection. This connection ensures a **"cold fusion"** between implant and abutment if the retaining screw has been tightened at 30 Ncm. It eliminates micro movements and reduces bacterial infiltration between implant and abutment.

Internal hex



Friction Fit connection with 1° angle on the abutment

Internal hex



Without Friction Fit with straight abutment wall

MANAGEMENT OF SOFT TISSUES

The following configurations are available for improved soft tissue management.

Straight profile

S profile

Concave profile

45° profile

description | €

description | €

SURGICAL SCREWS

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

Ø 3.5 mm
thread 1/72

15.00 €

S1BCS

Ø 5.2 mm
thread 1/72

15.00 €

S1BCSL

PROSTHETIC SCREWS

Maximum screwing torque 30 Ncm | Material TI-6Al-4V

For abutment
thread 1/72

15.00 €

S1BRS1

For MUA
thread 1/72

15.00 €

S1BRS2

Long for
transfer
thread 1/72

15.00 €

S1BDTRS

Torx screw
for digital

15.00 €

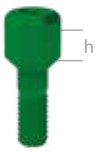
S1BRS1T6

HEALING SCREWS

Material TI-6Al-4V

Ø 3.5 mm

25.00 €



Code	h (mm)
S1B3530HC	3
S1B3545HC	4.5
S1B3560HC	6

S1B35 [xx] HC

Ø 5 mm

25.00 €

Code	h (mm)
S1B5030HC	3
S1B5045HC	4.5
S1B5060HC	6

S1B50 [xx] HC

Ø 6 mm

30.00 €

Code	h (mm)
S1B6030HC	3
S1B6045HC	4.5

S1B60 [xx] HC

description | €

description | €

HEALING SCREWS with FLARED PROFILE

Material TI-6AI-4V

Ø 3.5 mm

25.00 €

Code	h (mm)
S1B3530HCC	3
S1B3545HCC	4.5
S1B3560HCC	6

S1B35 [XX] HCC

Ø 5 mm

25.00 €

Code	h (mm)
S1B5030HCC	3
S1B5045HCC	4.5
S1B5060HCC	6

S1B50 [XX] HCC

Ø 6 mm

30.00 €

Code	h (mm)
S1B6030HCC	3
S1B6045HCC	4.5

S1B60 [XX] HCC

ANALOG

Material TI-6AI-4V

Analog

21.00 €

S1BIA

Short
for guided
surgery

21.00 €

S1BIAS

Digital
analog

21.00 €

S1BDIA

DIGITAL SCAN ABUTMENT

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

55.00 €

S1BSA

description | €

description | €

INDIRECT IMPRESSION TRANSFER *(continue)*

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

Ø 3.5 mm

65.00 €

S1B135ITC *

Indirect transfer cap

20.00 €

ITC

Ø 5 mm

65.00 €

S1B150ITC *

Multifunction abutment Ø 5 mm

55.00 €

S1B1A50 **

Multifunction abutment Ø 5 mm with flared profile

65.00 €

S1B1M50C **

DIRECT IMPRESSION TRANSFER

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

Ø 3.5 mm

35.00 €

S1BDT35 *

Ø 5 mm

35.00 €

S1BDT50 *

3-components for disparallel systems Ø 5 mm

45.00 €

S1BDT503

Multifunction abutment Ø 5 mm

55.00 €

S1B1A50L *

Multifunction abutment Ø 5 mm with flared profile

65.00 €

S1B1M50CL *

description | €

description | €

TEMPORARY STRAIGHT ABUTMENTS

S1BRS1 screw included

Rotating
TI-6AI-4V
Ø 4 mm

45.00 €

S1B140PR

Anti rotation
TI-6AI-4V
Ø 4 mm

45.00 €

S1B140P

PEEK
Ø 4 mm

55.00 €

S1B140PP

DEFINITIVE STRAIGHT ABUTMENTS | ANATOMIC

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

Friction Fit
Ø 3.5 mm

65.00 €

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
Ø 4.5 mm

55.00 €

S1B1 [X] 45

Code	h (mm)
S1B1145	1
S1B1345	3

Anatomic with
Friction Fit
Ø 4.5 mm

65.00 €

S1B1 [X] 45F

Code	h (mm)
S1B1145F	1
S1B1345F	3

Abutment
for welded
technique

55.00 €

S1B1TS

description | €

description | €

T-BASE

*S1BRS1 screw included | **S1BRS1 and S1BRS1T6 screw included | Material TI-6Al-4V

IMPLANT LIBRARIES AVAILABLE ON THE SITE https://it.ires.dental/media-kit/

Friction Fit
with emergence
profile
Ø 4.5 mm

65.00 €

S1B140F*

Rotating
with emergence
profile
Ø 4.5 mm

55.00 €

S1B140R*

Friction Fit
without
emergence
profile
Ø 4.5 mm

65.00 €

S1B140FS*

Rotating
without
emergence
profile
Ø 4.5 mm

55.00 €

S1B140RS*

Not rotating
Ø 3.4 mm
Cuff 0 mm
Shoulder
0.4 mm

75.00 €

S1B00DCTB**

Not rotating
Ø 3.7 mm
Cuff 0.5 mm
Shoulder
0.4 mm

75.00 €

S1B11DCTB**

Not rotating
Ø 3.7 mm
Cuff 1.8 mm
Shoulder
0.4 mm

75.00 €

S1B12DCTB**

Not rotating
Ø 5.7 mm
Cuff 1.8 mm
Shoulder
1.2 mm

75.00 €

S1B14DCTB**

Not rotating
Ø 4.5 mm
Cuff 1.8 mm
Shoulder
0.8 mm

75.00 €

S1B12DCTB50**

Not rotating
Ø 5.7 mm
Cuff 2.8 mm
Shoulder
1.2 mm

75.00 €

S1B14DCTB50**

Rotating
Ø 3.4 mm
Cuff 0 mm
Shoulder
0.4 mm

75.00 €

S1B00DCTBR**

Rotating
Ø 3.7 mm
Cuff 0.5 mm
Shoulder
0.4 mm

75.00 €

S1B11DCTBR**

description | €

Rotating
Ø 3.7 mm
Cuff 1.8 mm
Shoulder
0.4 mm

75.00 €

S1B12DCTBR**

Rotating
Ø 4.5 mm
Cuff 1.8 mm
Shoulder
0.8 mm

75.00 €

S1B12DCTBR50**

Not rotating
Cerec shape

65.00 €

S1B1DTBC

description | €

Rotating
Ø 5.7 mm
Cuff 1.8 mm
Shoulder
1.2 mm

75.00 €

S1B14DCTBR**

Rotating
Ø 5.7 mm
Cuff 2.8 mm
Shoulder
1.2 mm

75.00 €

S1B14DCTBR50**

Rotating
Cerec shape

65.00 €

S1B1DTBCR

ANGLED ABUTMENTS

S1BRS2 screw included | Material TI-6AI-4V

Friction Fit
20° Ø 4.5 mm

75.00 €

S1B250F

Friction Fit
without
emergence
profile
20° Ø 4.5 mm

75.00 €

S1B245FS

ANATOMIC DEFINITIVE ANGLED ABUTMENTS

S1BRS2 screw included | Material TI-6AI-4V

Without
Friction Fit
15°
Ø 4.5 mm

65.00 €

S1B2 [X] 1545

Code	h (mm)
S1B211545	1
S1B231545	3

Without
Friction Fit
25°
Ø 4.5 mm

65.00 €

S1B2 [X] 2545

Code	h (mm)
S1B212545	1
S1B232545	3

Friction Fit
15°
Ø 4.5 mm

75.00 €

S1B2 [X] 1545F

Code	h (mm)
S1B211545F	1
S1B231545F	3

Friction Fit
25°
Ø 4.5 mm

75.00 €

S1B2 [X] 2545F

Code	h (mm)
S1B212545F	1
S1B232545F	3

description | €

description | €

CASTABLE ABUTMENTS

S1BRS1 screw included

Gold base
POM-C / AU&PGM
Ø 5 mm

110.00 €

S1B3GA50 *

POM-C
Ø 4.5 mm

29.00 €

S1B3PC45

Rotating
POM-C
Ø 4.5 mm

29.00 €

S1B3PCR45

Titanium base
TI-6AI-4V

75.00 €

S1B3PTC45

*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.

STRAIGHT MUA ABUTMENTS

Mounter included | Material TI-6AI-4V

Ø 5 mm

55.00 €

S1B4 [X]

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

For MUA prosthetic components visit page 66
Tighten with HDH20 driver (page 80)

ANGLED MUA ABUTMENTS

Mounter and S1BRS2 screw included | Material TI-6AI-4V

18°
Ø 5 mm
h 0/2 mm

85.00 €

S1B518

30°
Ø 5 mm

85.00 €

S1B53 [X]

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

For MUA prosthetic components visit page 66

BALL ABUTMENTS

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

Ø 4 mm

45.00 €

S1B6 [X]

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

Containment ring

CAH

Nylon containment cap

CALT

Tighten with MDS (page 81) or MDL (page 81) screwdriver

description | €

description | €

CONTAINMENT RING and CONTAINMENT CAP

Available as replacement

Material TI-6AI-4V

Containment ring

15.00 €

CAH

Nylon containment cap

7.50 €

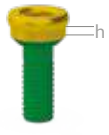
CALT

iRETOR (Ring and cap not included)

TIN Treatment on the gold part

TIN

95.00 €



S1B8 [XX]

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

Tighten with 8393 screwdriver (page 81)

iRETOR ACCESSORIES

Analog for iRETOR® female coupling
Q.ty: 4
AI

50.00 €

8530

Indirect impression tear pin for iRETOR®
Q.ty: 4
AI

50.00 €

8505

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

27.50 €

S1B85

Resistant male (1.8 kg)
Q.ty: 4

30.00 €

S1B8518

Light male (1.2 kg)
Q.ty: 4

30.00 €

S1B8512

Extralight male (0.6 kg)
Q.ty: 4

30.00 €

S1B8506

EXTERNAL HEX 2.4 mm | Bone Level — ø 3.3

iMAX

UNIVERSAL SYSTEM FOR ALL TYPES OF BONES

FINE DOUBLE THREAD IMPLANT

Ø	Implant thread	Connection	Platform	Hex	Thread
3.3	Fine double thread 0.6 mm	External hex	3.5 mm	2.4 mm	1.6 mm

	Ø 3.3
Heights (mm)	10 | 11.5 | 13 | 16
Material	Titanium Gr. 5

1a. 3 mm machined implant

1b. 1 mm machined neck

2. Cylindrical body

3. 60° 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

4. 2 apical cuts helicoidal

5. Conical apex flat tip

NHSE-HYHA

Hybrid with hyaluronic acid

165,00

NHSE-C

Neck Machined

135,00

DRIVERS

Material Surgical steel

Description	Code
h 25 mm	HDH24S

Description	Code
h 30 mm	HDH24L

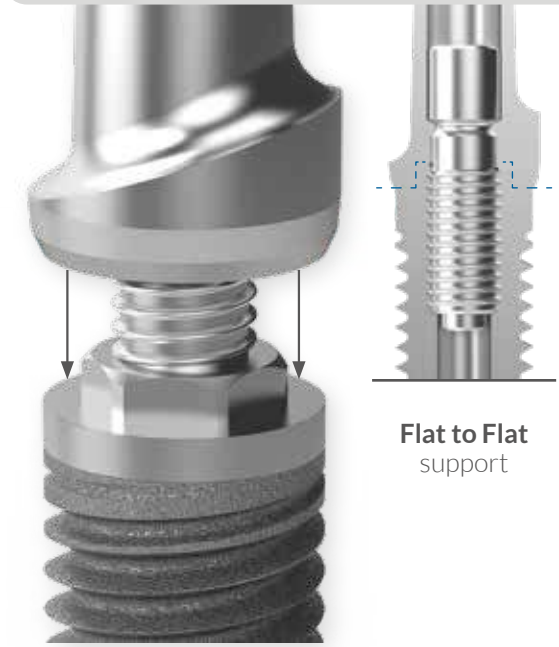
EXTERNAL HEX 2.4 mm | Bone Level ø 3.3

IMPLANT CONNECTION

rationalization of prosthetic components

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.

External hex



Flat to Flat
support

MANAGEMENT OF SOFT TISSUES

The following configurations are available for improved soft tissue management.

Straight profile

Slightly concave profile

description | €

description | €

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

PROSTHETIC SCREWS

Maximum screwing torque 25 Ncm | Material TI-6Al-4V

For abutment
thread 1.6 mm

15.00 €

S1EHNRS1

For abutment
thread 1.6 mm

15.00 €

S1EHNRS2

Long for
transfer
thread 1.6 mm

15.00 €

S1EHNDTRS

Torx screw
for digital

15.00 €

S1EHNRS1T6

HEALING SCREWS

Material TI-6Al-4V

Ø 3.5 mm

25.00 €

Code	h (mm)
S1EHN3530HC	3
S1EHN3545HC	4.5
S1EHN3560HC	6

S1EHN35 [xx] HC

description | €

description | €

ANALOG

Material TI-6AI-4V

21.00 €

S1EHNIA

Short
for guided
surgery

21.00 €

S1EHNIAS

Digital
analog

21.00 €

S1EHNDIA

DIGITAL SCAN ABUTMENT

S1EHNRS1 screw included | Material TI-6AI-4V

55.00 €

S1EHNSA

DIRECT IMPRESSION TRANSFER

S1EHNDTRS screw included | Material TI-6AI-4V

Ø 3.5 mm

35.00 €

S1EHNDT35

Multifunction
Ø 3.5 mm

65.00 €

S1EHN1A35L

TEMPORARY STRAIGHT ABUTMENTS

S1EHNRS1 screw included | Material TI-6AI-4V

Anti rotation
Ø 3.5 mm

45.00 €

S1EHN135P

Rotating
Ø 3.5 mm

45.00 €

S1EHN135PR

description | €

description | €

DEFINITIVE STRAIGHT ABUTMENTS | ANATOMIC

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

Multifunction
Ø 3.5 mm
colored internal prosthetic part

65.00 €

S1EHN1A35

Anti rotation
Ø 4 mm
colored internal prosthetic part

65.00 €

S1EHN140

Anatomic
Ø 3.5 mm
colored internal prosthetic part

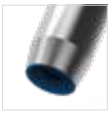
65.00 €

Code	h (mm)
S1EHN1135	1
S1EHN1335	3

S1EHN1 [X] 35

Abutments for welded technique
colored internal prosthetic part

55.00 €



S1EHN1TS

DIGITAL T-BASE

S1EHNRS1 and S1EHNRS1T6 screw included | Material TI-6Al-4V

Not rotating

70.00 €

S1EHN1DTB

Rotating

70.00 €

S1EHN1DTBR

STICKING BASES

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

Anti rotation
Ø 4 mm
colored internal prosthetic part

65.00 €

S1EHN135

Rotating
Ø 4 mm
colored internal prosthetic part

55.00 €

S1EHN135R

description | €

description | €

ANATOMIC DEFINITIVE ANGLED ABUTMENTS

S1EHNRS2 screw included | Material TI-6AI-4V

Angled 15°
Ø 4 mm
colored internal prosthetic part

75.00 €

Code	h (mm)
S1EHN211540	1
S1EHN231540	3

S1EHN2 [X] 1540

Angled 25°
Ø 4 mm
colored internal prosthetic part

75.00 €

Code	h (mm)
S1EHN212540	1
S1EHN232540	3

S1EHN2 [X] 2540

CASTABLE ABUTMENTS

*S1EHNRS1 screw included | Material POM-C

Gold base
POM-C /
AU&PGM
Ø 3.5 mm

110.00 €

S1EHN3GA *

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
rotante
POM-C /
AU&PGM
Ø 3.5 mm

110.00 €

S1EHN3GAR *

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.

Ø 3.5 mm

29.00 €

S1EHN3PC35 *

Rotating
Ø 3.5 mm

29.00 €

S1EHN3PCR35 *

STRAIGHT MUA ABUTMENTS

Mounter included | Material TI-6AI-4V

Ø 3.5 mm

55.00 €

S1EHN4 [X]

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

For MUA prosthetic components visit page 66
Tighten with HDH20 driver (page 80)

description | €

description | €

ANGLED MUA ABUTMENTS

S1EHNRS2 screw included | Mounter included | Material TI-6Al-4V

18°
h 0/2 mm
Ø 3.5 mm
colored internal prosthetic part

85.00 €

S1EHN518

30°
h 0/2 mm
Ø 3.5 mm
colored internal prosthetic part

85.00 €

S1EHN532

For MUA prosthetic components visit page 66

BALL ABUTMENTS

cah e calt included | TIN Treatment on the gold part |Material TI-6Al-4V

Ø 3.5 mm

45.00 €

S1EHN6 [X]

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

Containment ring

CAH

Nylon containment cap

CALT

Tighten with MDS (page 81) or MDL (page 81) screwdriver

CONTAINMENT RING and CONTAINMENT CAP

Available as replacement

Material TI-6Al-4V

Containment ring

15.00 €

CAH

Nylon containment cap

7.50 €

CALT

description | €

description | €

iRETOR (Ring and cap not included)

TIN Treatment on the gold part

TIN

95.00 €

S1EHN8 [XX]

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

Tighten with 8393 screwdriver (page 81)

iRETOR ACCESSORIES

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

50.00 €

8530

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

50.00 €

8505

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

27.50 €

S1B85

Resistant male
(1.8 kg)
Q.ty: 4

30.00 €

S1B8518

Light male
(1.2 kg)
Q.ty: 4

30.00 €

S1B8512

Extralight male
(0.6 kg)
Q.ty: 4

30.00 €

S1B8506

EXTERNAL HEX 2.7 mm | Bone Level — ø 3.7 - 4.1 - 4.7 - 5.2

iMAX

UNIVERSAL SYSTEM FOR ALL TYPES OF BONES

FINE DOUBLE THREAD IMPLANT

Ø	Implant thread	Connection	Platform	Hex	Thread
3.75 - 4.1 - 4.7 - 5.2	Fine double thread 0.6 mm	External hex	4.1 mm	2.7 mm	2 mm

	Ø 3.75	Ø 4.1 - Ø 4.7	Ø 5.2
Heights (mm)	6.5 | 8 | 10 | 11.5 | 13 | 16	6.5 | 8 | 10 | 11.5 | 13 | 16	6.5 | 8 | 10 | 11.5 | 13
Material	Titanium Gr. 5	Titanium Gr. 4	Titanium Gr. 4

1a. 3 mm machined implant

1b. 1 mm machined neck

2. Cylindrical body

3. 60° 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

4. 2 apical cuts helicoidal

5. Conical apex flat tip

NHSE-HYHA

Hybrid with hyaluronic acid

165,00

NHSE-C

Neck Machined

135,00

DRIVERS

Material Surgical steel

Description	Code
h 25 mm	HDH27S

Description	Code
h 30 mm	HDH27L

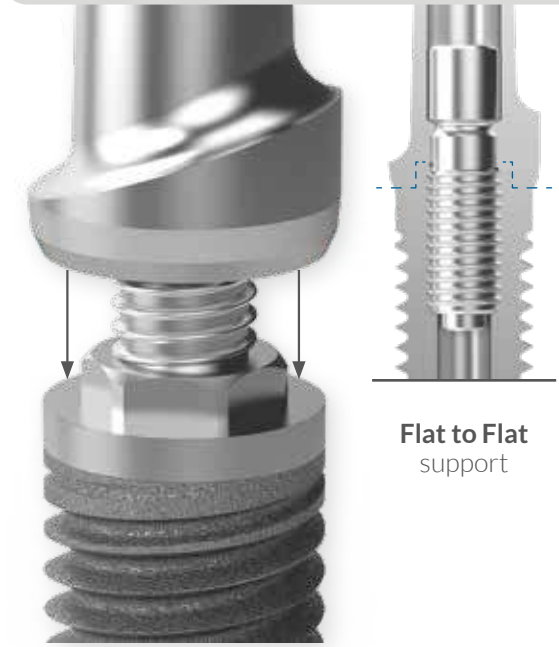
EXTERNAL HEX 2.7 mm | Bone Level ø 3.7 - 4.1 - 4.7 - 5.2

IMPLANT CONNECTION

rationalization of prosthetic components

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.

External hex



Flat to Flat
support

MANAGEMENT OF SOFT TISSUES

The following configurations are available for improved soft tissue management.

Slightly concave profile

description | €

description | €

SURGICAL SCREWS

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

Ø 4.1 mm
thread 2 mm

15.00 €

S1EHNCS

PROSTHETIC SCREWS

Maximum screwing torque 30 Ncm Material TI-6Al-4V

For abutment
thread 2 mm

15.00 €

S1EHRS1

For abutment
thread 2 mm

15.00 €

S1EHRS2

Long for
transfer
thread 2 mm

15.00 €

S1EHDTRS

Torx screw
for digital

15.00 €

S1EHRS1T6

HEALING SCREWS

Material TI-6Al-4V

Ø 4.1 mm

25.00 €

Code	h (mm)
S1EH4130HC	3
S1EH4145HC	5
S1EH4160HC	6

S1EH41 [XX] HC

Ø 5 mm

25.00 €

Code	h (mm)
S1EH5030HC	3
S1EH5045HC	5
S1EH5060HC	6

S1EH50 [XX] HC

description | €

description | €

ANALOG

Material TI-6AI-4V

21.00 €

S1EHIA

Short
for guided
surgery

21.00 €

S1EHIAS

Digital
analog

21.00 €

S1EHDIA

DIGITAL SCAN ABUTMENT

S1EHRS1 screw included | Material TI-6AI-4V

55.00 €

S1EHSA

DIRECT IMPRESSION TRANSFER

**S1EHDTRS screw included | Material TI-6AI-4V

Ø 4.1 mm

35.00 €

S1EHDT41 **

Ø 5 mm

35.00 €

S1EHDT50 **

Multifunction

55.00 €

S1EH1A50L **

description | €

description | €

TEMPORARY STRAIGHT ABUTMENTS

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

Anti rotation
Ø 4.1 mm

45.00 €

S1EH141P

Rotating
Ø 4.1 mm

45.00 €

S1EH141PR

DEFINITIVE STRAIGHT ABUTMENTS | ANATOMIC

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

Multifunction
Ø 5 mm
colored internal prosthetic part

65.00 €

S1EH1A50

Anti rotation
Ø 5 mm
colored internal prosthetic part

65.00 €

S1EH150

Anatomic
Ø 4.1 mm
colored internal prosthetic part

65.00 €

Code	h (mm)
S1EH1141	1
S1EH1341	3

S1EH1 [X] 41

Abutments for welded technique
colored internal prosthetic part

55.00 €

S1EH1TS

DIGITAL T-BASE

S1EHRS1 and S1EHRS1T6 screw included | Material TI-6Al-4V

Not rotating

70.00 €

S1EH1DTB

Rotating

70.00 €

S1EH1DTBR

STICKING BASES

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

Anti rotation
Ø 4.1 mm
colored internal prosthetic part

65.00 €

S1EH141

Rotating
Ø 4.1 mm
colored internal prosthetic part

55.00 €

S1EH141R

description | €

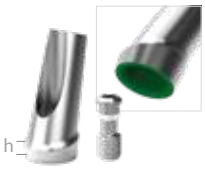
description | €

ANATOMIC DEFINITIVE ANGLED ABUTMENTS

S1EHRS2 screw included | Material TI-6AI-4V

Angled 15°
Ø 5 mm
colored internal prosthetic part

75.00 €



Code	h (mm)
S1EH211550	1
S1EH231550	3

S1EH2 [X] 1550

Angled 25°
Ø 5 mm
colored internal prosthetic part

75.00 €

Code	h (mm)
S1EH212550	1
S1EH232550	3

S1EH2 [X] 2550

CASTABLE ABUTMENTS

S1EHRS1 screw included | Material POM-C

Gold base
POM-C /
AU&PGM
Ø 4.1 mm

110.00 €

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
rotante
POM-C /
AU&PGM
Ø 4.1 mm

110.00 €

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.

Ø 4.1 mm

29.00 €

S1EH3PC41

Rotating
Ø 4.1 mm

29.00 €

S1EH3PCR41

STRAIGHT MUA ABUTMENTS

Mounter included | Material TI-6AI-4V

Ø 4.1 mm

55.00 €

S1EH4 [X]

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

For MUA prosthetic components visit page 66
Tighten with HDH20 driver (page 80)

description | €

description | €

ANGLED MUA ABUTMENTS

S1EHRS2 screw included | Mounter included | Material TI-6Al-4V

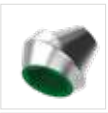
18°
h 0/2 mm
Ø 4.1 mm
colored internal prosthetic part

85.00 €

S1EH518

30°
Ø 4.1 mm
colored internal prosthetic part

85.00 €



S1EH53 [X]

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

For MUA prosthetic components visit page 66

BALL ABUTMENTS

cah e calt included | TIN Treatment on the gold part |Material TI-6Al-4V

Ø 4.1 mm

45.00 €

S1EH6 [X]

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

Containment ring

CAH

Nylon containment cap

CALT

Tighten with MDS (page 81) or MDL (page 81) screwdriver

CONTAINMENT RING and CONTAINMENT CAP

Available as replacement

Material TI-6Al-4V

Containment ring

15.00 €

CAH

Nylon containment cap

7.50 €

CALT

description | €

description | €

iRETOR (Ring and cap not included)

TIN Treatment on the gold part

TIN

95.00 €

S1EH8 [XX]

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

Tighten with 8393 screwdriver (page 81)

iRETOR ACCESSORIES

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

50.00 €

8530

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

50.00 €

8505

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

27.50 €

S1B85

Resistant male
(1.8 kg)
Q.ty: 4

30.00 €

S1B8518

Light male
(1.2 kg)
Q.ty: 4

30.00 €

S1B8512

Extralight male
(0.6 kg)
Q.ty: 4

30.00 €

S1B8506

CONICAL CONNECTION
2.1 mm | Bone Level

ø 3.3 - 3.7 - 4.1 - 4.7 - 5.2

iMAX NHSIC

UNIVERSAL SYSTEM FOR ALL TYPES OF BONES

FINE DOUBLE THREAD IMPLANT

Ø	Implant thread	Connection	Platform	Hex	Thread
3.3 - 3.75 - 4.1 - 4.7 - 5.2	Fine double thread 0.6 mm	Cono-morse	Narrow	2.1 mm	1/72

	Ø 3.3	Ø 3.7	Ø 4.1	Ø 4.7 - 5.2
Heights (mm)	10 | 11.5 | 13 | 16	8 | 10 | 11.5 | 13 | 16	6.5 | 8 | 10 | 11.5 | 13 | 16	6.5 | 8 | 10 | 11.5 | 13
Material	Titanium Gr. 5	Titanium Gr. 5	Titanium Gr. 4	Titanium Gr. 4

1. Platform switching, unique prosthesis for all the diameters

2. 1 mm machined neck

3. 60° 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

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%).

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

NHSIC-C

Neck Machined

155,00

DRIVERS

Material Surgical steel

Description	Code
h 25 mm	HDH25S

Description	Code
h 30 mm	HDH25L

CONICAL CONNECTION
2.1 mm | Bone Level

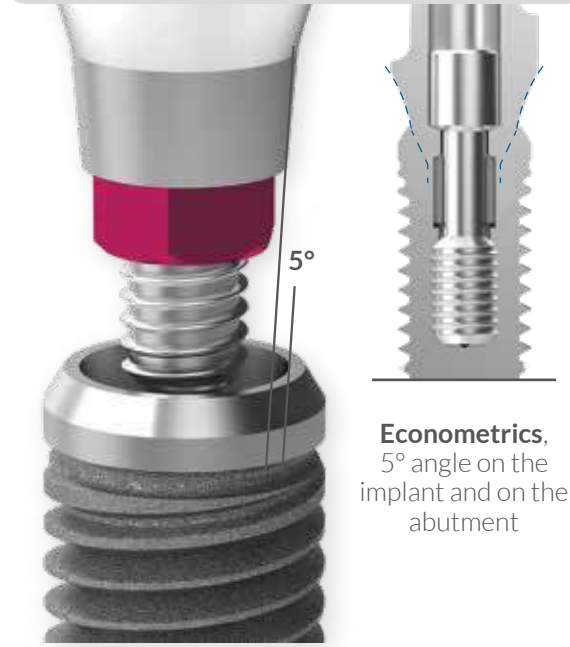
ø 3.3 - 3.7 - 4.1 - 4.7 - 5.2

IMPLANT CONNECTION

rationalization of prosthetic components

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.

Conical connection



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

MANAGEMENT OF SOFT TISSUES

The following configurations are available for improved soft tissue management.

Concave profile

description | €

description | €

SURGICAL SCREWS

provided with the implant, available as spare parts | Material TI-6AI-4V

15.00 €

NHSICNCS

PROSTHETIC SCREWS

Maximum screwing torque 30 Ncm | Material TI-6AI-4V

For abutment thread 1/72

15.00 €

S1BRS1

For MUA thread 1/72

15.00 €

S1BRS2

Long for transfer thread 1/72

15.00 €

S1BDTRS

Long for transfer MUA thread 1.4 mm

16.00 €

S1BDTRSA

Prosthetic screws torx

15.00 €

S1BRS1T6

HEALING SCREWS

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

Ø 4 mm

30.00 €

Code	h (mm)
NHSICN4030HC	3
NHSICN4045HC	4.5
NHSICN4060HC	6

NHSICN40 [XX] HC

description | €

ANALOG

Material TI-6AI-4V

Ø 4 mm

26.00 €

NHSICNIA

Guided surgery Ø 4 mm

30.00 €

NHSICNIAS

Digital analog

26.00 €

NHSICNDIA

DIGITAL SCAN ABUTMENT

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

Titanium base

65.00 €

NHSICNSA

DIRECT TRANSFER IMPRESSION

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

Ø 4 mm

45.00 €

Code	h (mm)
NHSICNDT140	1
NHSICNDT240	2
NHSICNDT440	4

NHSICNDT [X] 40

description | €

description | €

PEEK TEMPORARY ABUTMENTS

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

Ø 4 mm

50.00 €

NHSICN1 [X] 40PP

Code	h (mm)
NHSICN1140PP	1
NHSICN1240PP	2
NHSICN1440PP	4

STRAIGHT ABUTMENTS

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

Ø 4 mm

85.00 €

NHSICN1 [X] 40

Code	h (mm)
NHSICN1140	1
NHSICN1240	2
NHSICN1440	4

STICKING BASES

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

Ø 4 mm

75.00 €

NHSICN1 [X] 40SB

Code	h (mm)
NHSICN1140SB	1
NHSICN1240SB	2
NHSICN1440SB	4

Rotating
Ø 4 mm

75.00 €

NHSICN1 [X] 40RSB

Code	h (mm)
NHSICN1140RSB	1
NHSICN1240RSB	2
NHSICN1440RSB	4

DIGITAL T-BASE

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

Not rotating

75.00 €

NHSICN [X] DTB

Code	h (mm)
NHSICN1DTB	1
NHSICN2DTB	2
NHSICN4DTB	4

Rotating

75.00 €

NHSICN [X] DTBR

Code	h (mm)
NHSICN1DTBR	1
NHSICN2DTBR	2
NHSICN4DTBR	4

description | €

ANGLED ABUTMENTS

S1BRS2 screw included | Material TI-6AI-4V

Angled 15°
Ø 4 mm

85.00 €

NHSICN2 [X] 1540

Code	h (mm)
NHSICN211540	1
NHSICN221540	2
NHSICN241540	4

Angled 25°
Ø 4 mm

85.00 €

NHSICN2 [X] 2540

Code	h (mm)
NHSICN212540	1
NHSICN222540	2
NHSICN242540	4

CASTABLE ABUTMENTS GOLD BASE

S1BRS1 screw included

POM-C/
AU&PGM
Ø 4 mm

120.00 €

NHSICN3GA [X] 40

Code	h (mm)
NHSICN3GA140	1
NHSICN3GA240	2
NHSICN3GA440	4

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.

STRAIGHT MUA ABUTMENTS

Mounter included | Material TI-6AI-4V

Ø 4 mm

65.00 €

NHSICN4 [X]

Code	h (mm)
NHSICN41	1
NHSICN42	2
NHSICN43	3
NHSICN44	4

For MUA prosthetic components visit page 66
Tighten with HDH20 driver (page 80)

LINK

Material TI-6AI-4V

Ø 3.5 mm

85.00 €

NHSICNL350 [X]

Code	h (mm)
NHSICNL3502	2
NHSICNL3503	3

Ø 4.1 mm

85.00 €

NHSICNL410 [X]

Code	h (mm)
NHSICNL4102	2
NHSICNL4103	3

description | €

description | €

ANGLED MUA ABUTMENTS

Mounter and S1BRS2 screw included | Material TI-6Al-4V

18°
h 0/2 mm
Ø 4 mm

90.00 €

NHSICN518

30°
Ø 4 mm

90.00 €

NHSICN53 [X]

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

For MUA prosthetic components visit page 66

BALL ABUTMENTS

cah e calt included | TIN Treatment on the gold part | Material TI-6Al-4V

Ø 4 mm

55.00 €

NHSICN6 [X]

Code	h (mm)
NHSICN61	1
NHSICN62	2
NHSICN64	4

Containment ring

CAH

Nylon containment cap

CALT

Tighten with MDS (page 81) or MDL (page 81) screwdriver

CONTAINMENT RING and CONTAINMENT CAP

Available as replacement

Material TI-6Al-4V

Containment ring

15.00 €

CAH

Nylon containment cap

7.50 €

CALT

description | €

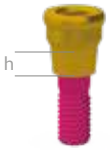
description | €

iRETOR (Ring and cap not included)

TIN Treatment on the gold part

TIN

95.00 €



NHSICN8 [XX]

Code	h (mm)
NHSICN80	0
NHSICN81	1
NHSICN825	2
NHSICN835	3
NHSICN845	4
NHSICN865	6

Tighten with 8393 screwdriver (page 81)

iRETOR ACCESSORIES

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

50.00 €

8530

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

50.00 €

8505

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

27.50 €

S1B85

Resistant male
(1.8 kg)
Q.ty: 4

30.00 €

S1B8518

Light male
(1.2 kg)
Q.ty: 4

30.00 €

S1B8512

Extralight male
(0.6 kg)
Q.ty: 4

30.00 €

S1B8506

OUR **IMPLANT SYSTEMS**

Reliable
Efficient
Safe

SHAPEONE

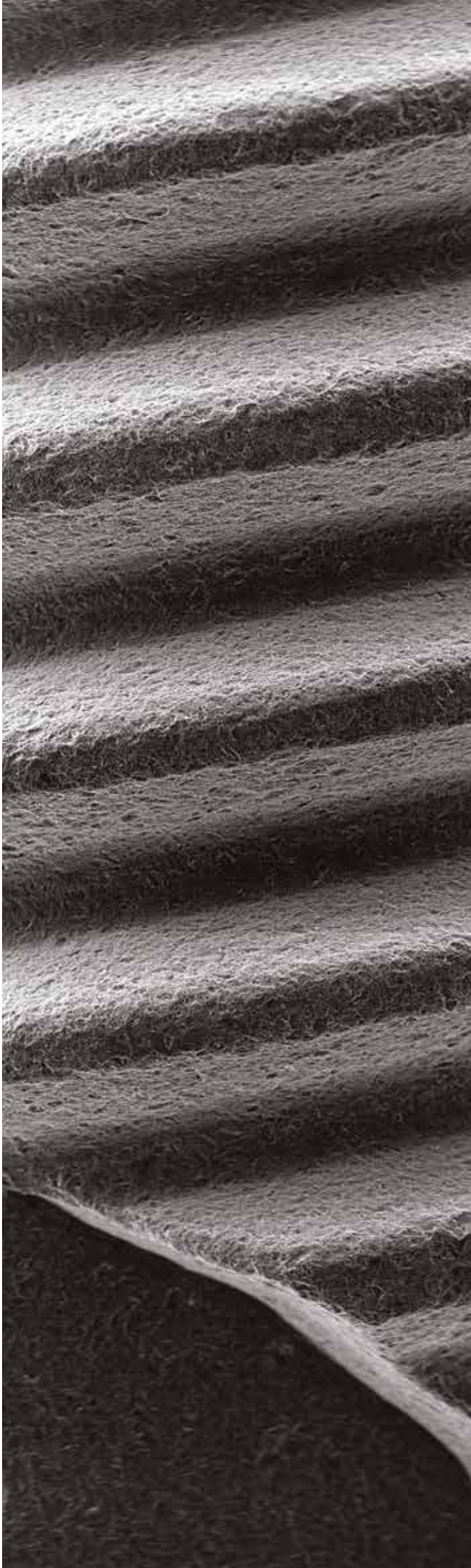
- **Tissue level with internal octagon ø 3.7 - 4.1 - 4.7**
- **Tissue level with internal hex ø 3.7 - 4.1 - 4.7**

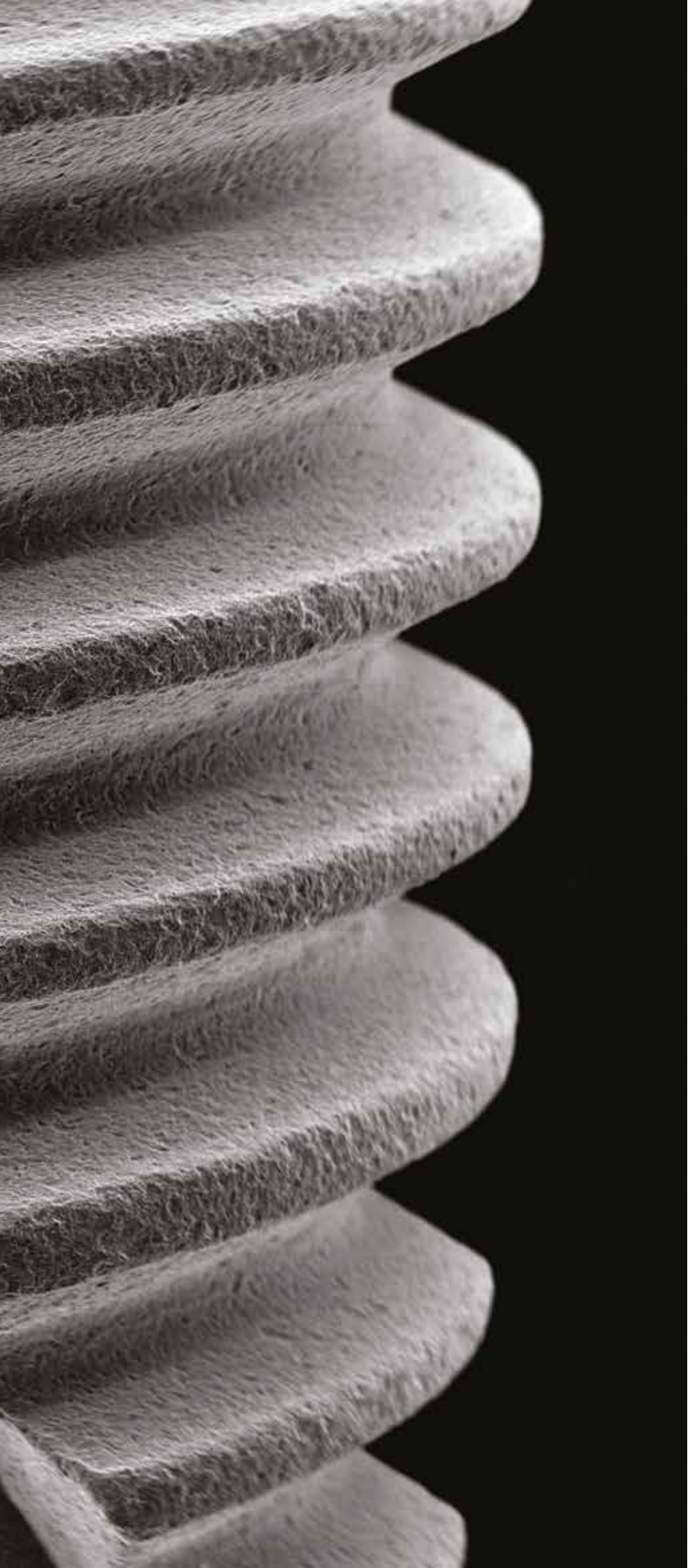
iMAXMUA

- **One Piece ø 3.3 - 3.7 - 4.1**

SHAPEMINI

- **TIN ball attachment system ø 2.7**





TISSUE LEVEL IMPLANTS

INTERNAL OCTAGON 3.1 mm | Tissue Level — ø 3.7 - 4.1 - 4.7

SHAPEONE

EXCELLENT PRIMARY STABILITY ALSO IN BONE D4

FINE TRIPLE THREAD IMPLANT

Ø	Implant thread	Connection	Platform	Octagon	Thread
3.75 - 4.1 - 4.7	Triple	Intenal octagon	4.8 mm	3.1 mm	2 mm

	Ø 3.7	Ø 4.1 - 4.7
Heights (mm)	8 | 10 | 11.5 | 13 | 16	4.5 | 6.5 | 8 | 10 | 11.5 | 13 | 16
Material	Titanium Gr. 5	Titanium Gr. 4

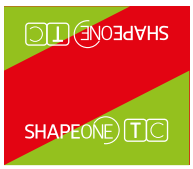
1. Platform switching

2. Self tapping conical body

3. 60° triple thread over the entire body implant with a pitch of 1,8 mm

4. 3 apical aggressive cuts provide a better primary stability and centering of the implant and the possibility to change direction during its insertion

5. Apex aggressive but rounded to protect the Schneider's membrane



S1T-C

Neck Machined

150,00

DRIVERS

Material Surgical steel

Description	Code
h 25 mm	HDH31S

Description	Code
h 30 mm	HDH31L

INTERNAL OCTAGON 3.1 mm | Tissue Level ø 3.7 - 4.1 - 4.7

IMPLANT CONNECTION

rationalization of prosthetic components

For the **S1T** line with internal **octagonal connection**, prosthetic components with cone inclined at 16 ° have been developed that prevent bacterial infiltration between implant and abutment.

16° angle on the implant and on the abutment

description | €

description | €

SURGICAL SCREWS

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

Surgical screw
Ø 4.8 mm
thread 2 mm

15.00 €

S1TCS

PROSTHETIC SCREWS

Maximum screwing torque 30 Ncm — Material TI-6AI-4V

For abutment
thread 2 mm

15.00 €

S1TRS1

For abutment
thread 2 mm

15.00 €

S1TRS2

Long for
transfer
thread 2 mm

15.00 €

S1TDTRS

Torx screw
for digital

15.00 €

S1TRS1T6

ANALOG

Material TI-6AI-4V

21.00 €

S1TIA

Digital
analog

21.00 €

S1TDIA

DIGITAL SCAN ABUTMENT

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

55.00 €

S1TSA

DIGITAL T-BASE

S1TRS1 and S1TRS1T6 screw included | Material TI-6AI-4V

Not rotating

75.00 €

S1T1DTB

Rotating

75.00 €

S1T1DTBR

description | €

description | €

CASTABLE ABUTMENTS

S1TRS1 screw included | Material POM-C

Ø 5 mm

29.00 €

S1T3PC50

Rotating
Ø 5 mm

29.00 €

S1T3PCR50

ABUTMENTS

*S1TRS1 screw included | **S1TDTRS screw included | ***S1TRS2 screw included | Material TI-6AI-4V

Multifunction abutment
Ø 5 mm

55.00 €

S1T1A50*

S1T1A50L**

Straight econometric connection abutment
Ø 4.5 mm

75.00 €

S1T140*

17° Angled econometric connection abutment
Ø 4.5 mm

85.00 €

S1T240***

BALL ABUTMENTS

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

Ø 4.5 mm

45.00 €

S1T6 [X]

Code	h (mm)
S1T60	0
S1T61	1
S1T62	2

Containment ring

CAH

Nylon containment cap

CALT

Tighten with MDS (page 81) or MDL (page 81) screwdriver

CONTAINMENT RING and CONTAINMENT CAP

Available as replacement

Material TI-6AI-4V

Containment ring

15.00 €

CAH

Nylon containment cap

7.50 €

CALT

INTERNAL HEX 2.5 mm | Tissue level — ø 3.7 - 4.1 - 4.7

SHAPEONE

EXCELLENT PRIMARY STABILITY ALSO IN BONE D4

FINE TRIPLE THREAD IMPLANT

Ø	Implant thread	Connection	Platform	Hex	Thread
3.75 - 4.1 - 4.7	Triple thread 0.9 mm	Internal hex	3.5 mm	2.5 mm	1/72

	Ø 3.75	Ø 4.1 e Ø 4.7
Heights (mm)	8 | 10 | 11.5 | 13 | 16	4.5 | 6.5 | 8 | 10 | 11.5 | 13 | 16
Material	Titanium Gr. 5	Titanium Gr. 4

1. Platform switching

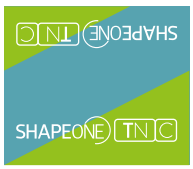
2. 3 mm machined implant

3. Self tapping conical body

4. 60° triple thread over the entire body implant with a pitch of 1,8 mm

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



S1TN-C

Neck Machined

135,00

DRIVERS

Material Surgical steel

Description	Code
h 25 mm	HDH25S

Description	Code
h 30 mm	HDH25L

INTERNAL HEX da 2.5 mm | Bone level ø 3.7 - 4.1 - 4.7

IMPLANT CONNECTION

rationalization of prosthetic components

Prosthetic components with **Friction Fit** connection have been developed for **S1TN** 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.

Uniko

Friction Fit
connection with
1° angle on the
abutment

description | €

PROSTHETIC SCREWS

Maximum screwing torque 30 Ncm — Material TI-6Al-4V

For abutment thread 1/72

15.00 €

S1BRS1

For abutment thread 2 mm

15.00 €

S1TRS2

Long for transfer thread 1/72

15.00 €

S1BDTRS

Prosthetic screws torx

15.00 €

S1BRS1T6

ANALOG

Material TI-6Al-4V

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-6AI-4V

Mounter transfer definitive straight abutment Ø 3.5 mm

55.00 €

S1TN1A [XX] L

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-6AI-4V

Mounter transfer definitive straight abutment

55.00 €

S1TN1A [XX]

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

ONE PIECE platform 4.3 mm | Tissue Level — ø 3.3 - 3.7 - 4.1

iMAXMUA

UNIVERSAL SYSTEM FOR ALL TYPES OF BONES

FINE DOUBLE THREAD IMPLANT

Ø	Implant thread	Connection	Platform	Angolo
3.3 - 3.75 - 4.1	Double	One Piece	4.3 mm	0°
3.75 - 4.1	Double	One Piece	4.3 mm	18° e 30°

	Ø 3.3 - 3.75	Ø 4.1
Heights (mm)	4.5 | 6 | 8 | 10 | 11.5 | 13	4.5 | 6 | 8 | 10 | 11.5 | 13
	(NHSM18) Ø 3.7 - 4.1	**(NHSM30) Ø 3.7 - 4.1**
Heights (mm)	11.5 | 13	11.5 | 13 | 16
Material	Titanium Gr. 5	Titanium Gr. 4

1. Hole for retaining screw

2. 1.5mm machined neck

3. Cylindrical body

4. 60° 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

NHSM00-HYHA	Hybrid	
0°	18°	30°
195,00	225,00	225,00

DRIVERS — Material Surgical steel

Description	Code
Implant driver	NHSMHDH

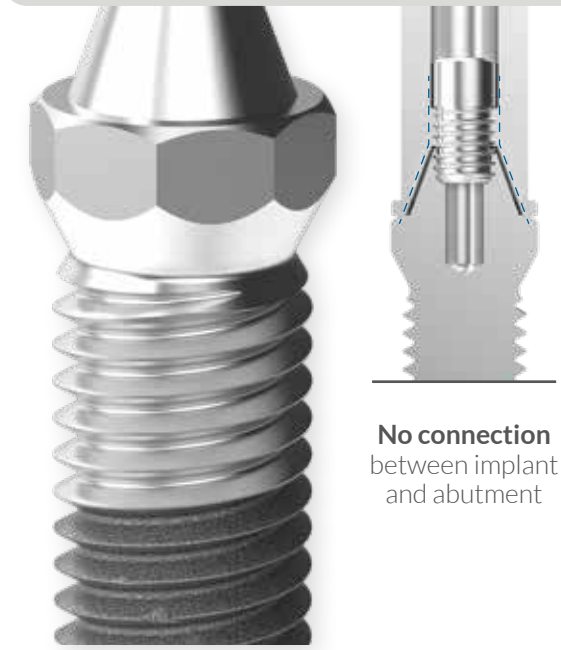
ONE PIECE platform 4.3 mm | Tissue Level ø 3.3 - 3.7 - 4.1

IMPLANT CONNECTION

rationalization of prosthetic components

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.

OnePiece



No connection
between implant
and abutment

description | €

description | €

RETAINING SCREWS

Maximum screwing torque 30 Ncm — Material TI-6AI-4V

Retaining screw for abutment thread 1/72

15.00 €

NHSMRS1

Long retaining screw for MUA transfer thread 1/72

15.00 €

NHSMDTRS

HEALING CAPS

NHSMRS1 screw included | Material TI-6AI-4V

Healing cup TI-6AI-4V

25.00 €

NHSMHCSRA

Healing cup POM-C

25.00 €

NHSMHCSRAA

ANALOG

Material TI-6AI-4V

21.00 €

NHSMIASRA

Digital analog

21.00 €

NHSMDIASRA

DIGITAL SCAN ABUTMENT

NHSMRS1 screw included | Material TI-6AI-4V

55.00 €

NHSMSAA

IMPRESSION TRANSFER

*NHSMRS1 screw included | **NHSMDTRS screw included | Material TI-6AI-4V

Indirect

55.00 €

NHSMITCSRA*

Direct

35.00 €

NHSMDTCSRA**

description | €

description | €

DIGITAL T-BASE

NHSMRS1 screw included | Material TI-6AI-4V

Rotating

65.00 €

NHSMTTADTB

ABUTMENTS

NHSMRS1 screw included | Material TI-6AI-4V

Temporary straight abutments

55.00 €

NHSMPTTA

Definitive straight abutments

55.00 €

NHSMTTA

Castable abutments

29.00 €

NHSMPCC

Abutments for welded technique

55.00 €

NHSMTS

THREADED ANTI ROTATION

NHSMRS1 screw included | Material TI-6AI-4V

55.00 €

NHSMTTAE

THREADED ABUTMENTS FOR BAR

NHSMRS1 screw included | Material TI-6AI-4V

55.00 €

NHSMTTAFB

TIN BALL ATTACHMENT SYSTEM | Tissue Level ø 2.7

SHAPEMINI

EXCELLENT PRIMARY STABILITY ALSO IN BONE D4

SELF-TAPPING IMPLANT WITH SINGLE THREAD

TECHNICAL FEATURES

Ø	Implant thread	Connection
2.7	Single	Tin ball attachment system

	Ø 2.7
Heights (mm)	8 | 10 | 11.5 | 13 | 16
Material	Titanium Gr. 4

1. Ball attachment system, ideal for overdenture

2. Self-tapping cylindrical body with single thread, pitch of 1.2 mm

3. Thread with lower angle of 43° and upper of 23°

Tighten with HDH25M (page 80) driver

SHAPEMINI

SHAPEMINI

SM

Tin ball attachment system

55,00

TIN BALL ATTACHMENT ø 2.7

description | €

description | €

ANALOG

Material TI-6AI-4V

21.00 €

SMIA

CASTABLE ABUTMENT

Material POM-C

29.00 €

SMC

CONTAINMENT RING and CONTAINMENT CAP

Material TI-6AI-4V

Containment ring

15.00 €

CAH

Nylon containment cap

7.50 €

CALT

ABUTMENTS (MUA)

description | €

description | €

RETAINING SCREWS

Maximum screwing torque 30 Ncm | Material TI-6Al-4V

Retaining screw for abutment

15.00 €

S1BRS3

Long retaining screw for MUA transfer thread 1/72

15.00 €

S1BDTRSA

HEALING CAPS

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

Healing cup TI-6Al-4V

25.00 €

S1BHCSRA

Healing cup POM-C

25.00 €

S1BHCSRAA

ANALOG

Material TI-6Al-4V

21.00 €

S1BIASRA

Digital analog

21.00 €

S1BDIASRA

DIGITAL SCAN ABUTMENT

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

55.00 €

S1BSAA

INDIRECT IMPRESSION TRANSFER

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

55.00 €

S1BITCSRA

ABUTMENTS (MUA)

description | €

description | €

DIRECT IMPRESSION TRANSFER

S1BDTRSA screw included | Material TI-6AI-4V

With long screw

35.00 €

S1BDTCSRA

ABUTMENTS

S1BRS3 screw included | Material TI-6AI-4V

Temporary straight abutments

55.00 €

S1BPTTA

Definitive straight abutments

55.00 €

S1BTTA

Castable abutments

29.00 €

S1BPCC

Abutments for welded technique

55.00 €

S1BTS

DIGITAL T-BASE

S1BRS3 screw included | Material TI-6AI-4V

Rotating

65.00 €

S1BTTADTB

THREADED ANTI ROTATION

S1BRS3 screw included | Material TI-6AI-4V

55.00 €

S1BTTAE

THREADED ABUTMENTS FOR BAR

S1BRS3 screw included | Material TI-6AI-4V

55.00 €

S1BTTAFB


Swiss
implant
quality

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

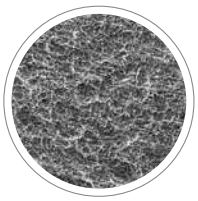
HYALURONIC ACID

HYHA

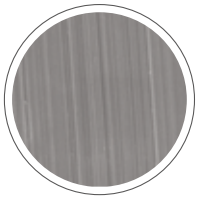
Partial surface treatment on the body implant with hyaluronic acid.
Cold plasma decontamination*

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



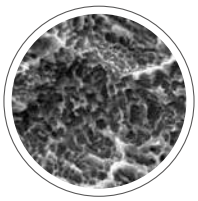
MAG
1.50 K X
WD
11.5 mm
EHT
20.00 kV
Signal A
SE1



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

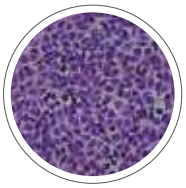
sand-blasting, double etching, cold plasma decontamination

* 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.

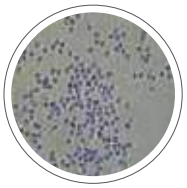
CYTOTOXICITY TEST

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

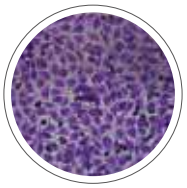
After treatment and decontamination, the implants proved to be perfectly cytocompatible, that is devoid of cytotoxic effects against L929 fibroblasts. In all wells, the cells always showed density and morphology fully comparable with those of the negative control. The fibroblasts proliferate homogeneously 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 monitoring of the process.

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

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

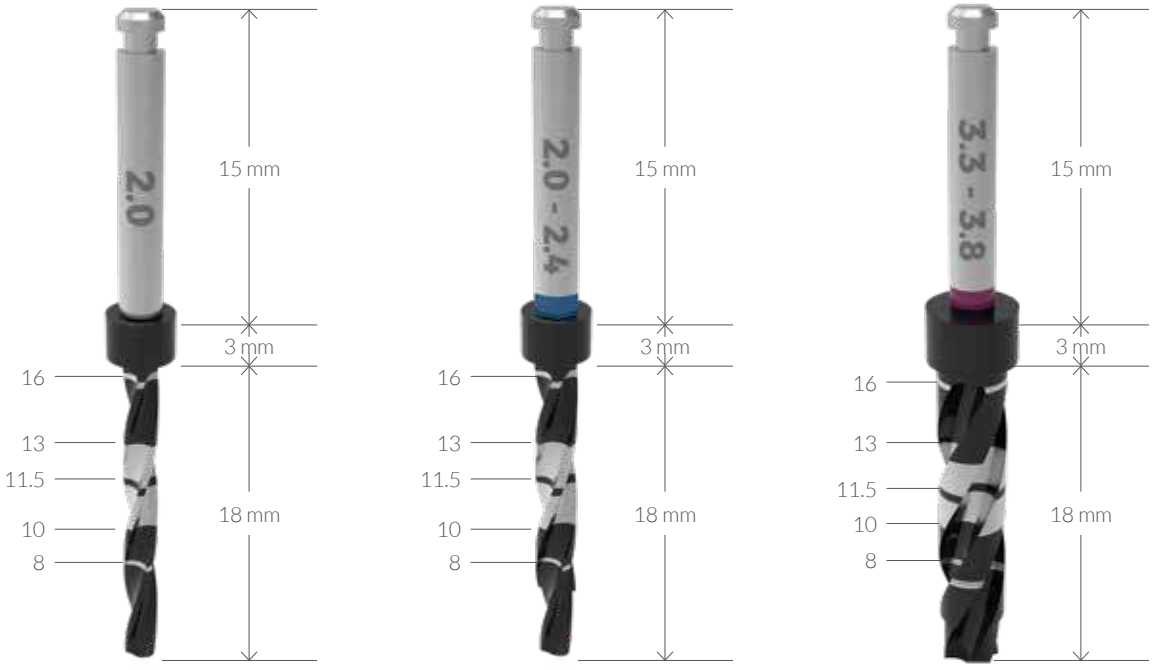
THE DRILLS

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						

The drills from 2.0 to 2.8 / 3.3 have a sharp apex, The drills from 33/38 - 38/44 - 44/48 have a flat apex, they do not increase the height of the cut, but are only used to widen the osteotomy.
They must not be used for cutting, but as an aid for inserting the implant.

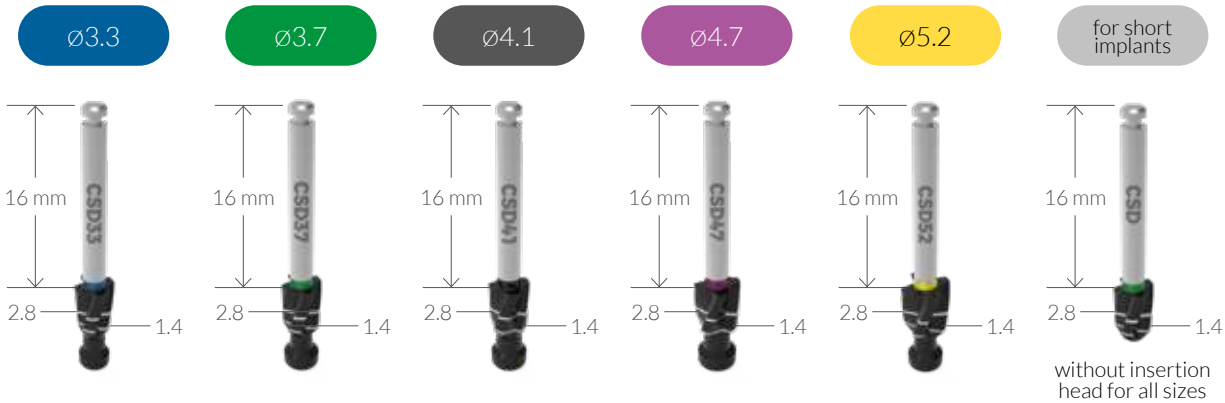
Cylindrical	Double cylindrical	Double cylindrical
Ø 2.0 mm	Ø 2.0/2.4 mm	Ø 2.4/2.8 - 2.8/3.3 - 3.3/3.8 - 3.8/4.4 4.4/4.8 mm



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.

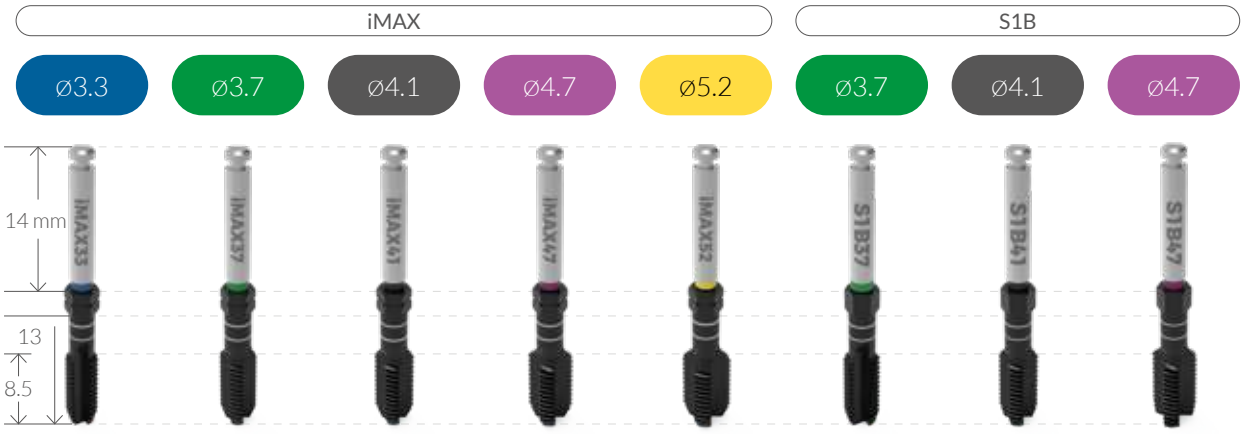
The countersinks present two laser markings that identify the depth to be reached on the basis of the bone consistency, at 1.4mm for a "D3" bone, at 2.8mm for both "D2" and "D1"bones. Above the marking at 2.8mm, the countersink continues with a cylindrical geometry that does not compromises the osteotomy 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.

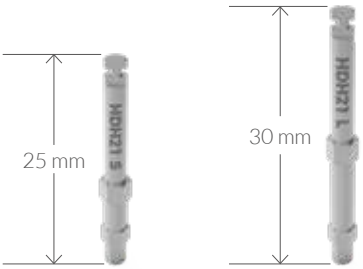


THE STOPS

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 + RATCHET WRENCH

Code: **TW4**

Reverse fixed ratchet
It allows to screw and unscrew without having to pull out and turn the adapter
Ratchet wrench
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 + 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

Code	Description
CSD52	countersink 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

SMALL SURGICAL KIT COMPOSITION

BASIC

Code	Description
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
THDDL	long driver
HDH21L	long driver hex 2.1
HDH25L	long driver hex 2.5
TWA2	complete ratchet

COMPLETE

Code	Description
DE	drill extender
TAPXXX33	tap Ø 3.3
TAPXXX37	tap Ø 3.7
TAPXXX41	tap Ø 4.1
TAPXXX47	tap Ø 4.7
TAPXXX52	tap Ø 5.2
PP	parallel pin 0°
PP18	parallel pin 18°
PP30	parallel pin 30°
THDDS	short driver
HDH21S	short driver hex 2.1
HDH25S	short driver hex 2.5
MDS	S prosthetic screwdriver
MDL	L prosthetic screwdriver
MDLAA	prosthetic screwdriver angled 30°
DS43341M	stop 4.5
DS63341M	stop 6.5
DS83341M	stop 8
DS103341M	stop 10
DS113341M	stop 11.5
DS133341M	stop 13

DRILLS, COUNTERSINK, TAPS, STOP

description | €

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

Ø 3.3 mm

48.00 €

HDHCSN

Ø 4 mm

48.00 €

HDHCSR

DRILLS

Material Surgical steel

Media
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

COUNTERSINK

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

DRILLS, COUNTERSINK, TAPS, STOP

description | €

description | €

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

STOPS FOR DRILLS - 2.0 / 2.0/2.4 - 2.4/2.8 - 2.8/3.3

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

DRIVERS

Material Surgical steel

Internal
Hex 2.1 mm
Narrow
h 25 mm

45.00 €

HDH21S

Internal
Hex 2.1 mm
Narrow
h 30 mm

45.00 €

HDH21L

DRILLS, COUNTERSINK, TAPS, STOP

description | €

description | €

DRIVERS

Material Surgical steel

External
Hex 2.4 mm
Narrow
h 25 mm

45.00 €

HDH24S

External
Hex 2.4 mm
Narrow
h 30 mm

45.00 €

HDH24L

For internal
Hex 2.5 mm
Regular
h 25 mm

45.00 €

HDH25S

For internal
Hex 2.5 mm
Regular
h 30 mm

45.00 €

HDH25L

For external
Hex 2.7 mm
Regular
h 25 mm

45.00 €

HDH27S

For external
Hex 2.7 mm
Regular
h 30 mm

45.00 €

HDH27L

For octagon
3.1 mm
h 25 mm

45.00 €

HDH31S

For octagon
3.1 mm
h 30 mm

45.00 €

HDH31L

For
straight MUA

45.00 €

HDH20

For Mini
implants
2 mm

45.00 €

HDH25M

For OnePiece
da 4.5mm

45.00 €

NHSMHDH

DRILLS, COUNTERSINK, TAPS, STOP

description | €

description | €

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 short

45.00 €

THDDS

For Hex 1.25 mm contra-angle connection long

45.00 €

THDDL

For hex 1.25 mm manual h 23 mm

45.00 €

MDS

For hex 1.25 mm manual h 29 mm

45.00 €

MDL

Torcx 1.25 mm manual angled h 29 mm

65.00 €

MDLA

Torcx 1.25 mm manual angled 30°

65.00 €

MDLAA

SCREWDRIVERS

Material Surgical steel

Long

65.00 €

IDL

For iRETOR®

95.00 €

8393

DRILLS, COUNTERSINK, TAPS, STOP

description | €

description | €

REMOVAL TOOLS

Material Surgical steel

For implants

95.00 €

TRI

For abutments

95.00 €

TRT

EXTRACTION KIT FOR RETAINING SCREWS

Material Surgical steel

Drill

110.00 €

D15RS

Guide
for drills

60.00 €

GRS

Holder
for GRS

100.00 €

SGRS

RATCHET

Material Surgical steel

Reverse
fixed ratchet +
Ratchet
wrench

230.00 €

TW4

Ratchet
adaptor

50.00 €

WH2

Complete
ratchet

280.00 €

TWA4

PROSTHETIC KIT COMPOSITION

*available on request

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
TWA4	ratchet wrench
MDLA*	angled screwdriver hex 1.25 mm h 29 mm

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

Code	Description
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


SUI

WW
frog

heights from 8 to 16 mm

SURGICAL PROTOCOL

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

Angolo	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

	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

	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

	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

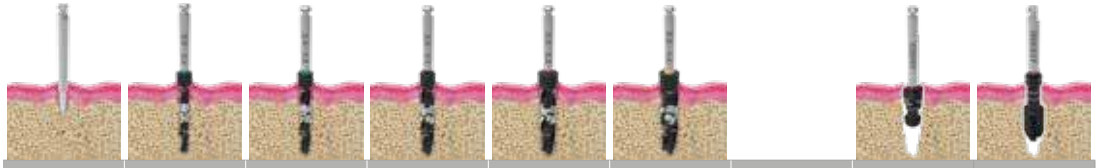
Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 4.1 countersink and 4.1 tap

	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

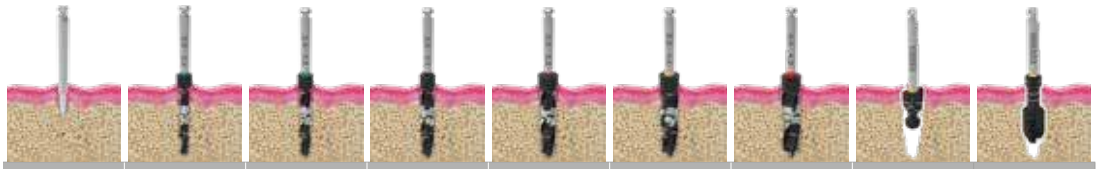


	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8	Step 9
Bone	Lance drill	Drill 2.0|2.4	Drill 2.4|2.8	Drill 2.8|3.3	Drill 3.3|3.8	Drill 3.8|4.4	Drill 4.4|4.8	Countersink	Tap
Soft d4	•	•	•	•	•				
Medium d3/d2	•	•	•	•	•	•		•	
Compact d1	•	•	•	•	•	•		•	•

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
3.7	h 6.5 mm
4.1	
4.7	
5.2	

DRIVERS - FINAL DRILLS - COUNTERSINKS - TAPS

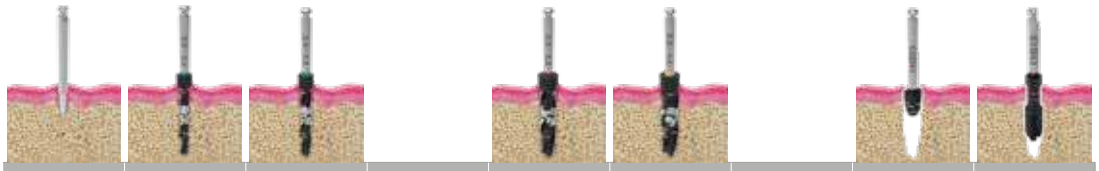
short implants

Implant system	Drivers	Ø	Final drills (Bone d4)	Final drills (Bone d3-d2-d1)	CSD (Bone d3 - d2)	TAP (d1 bone)
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



	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

	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

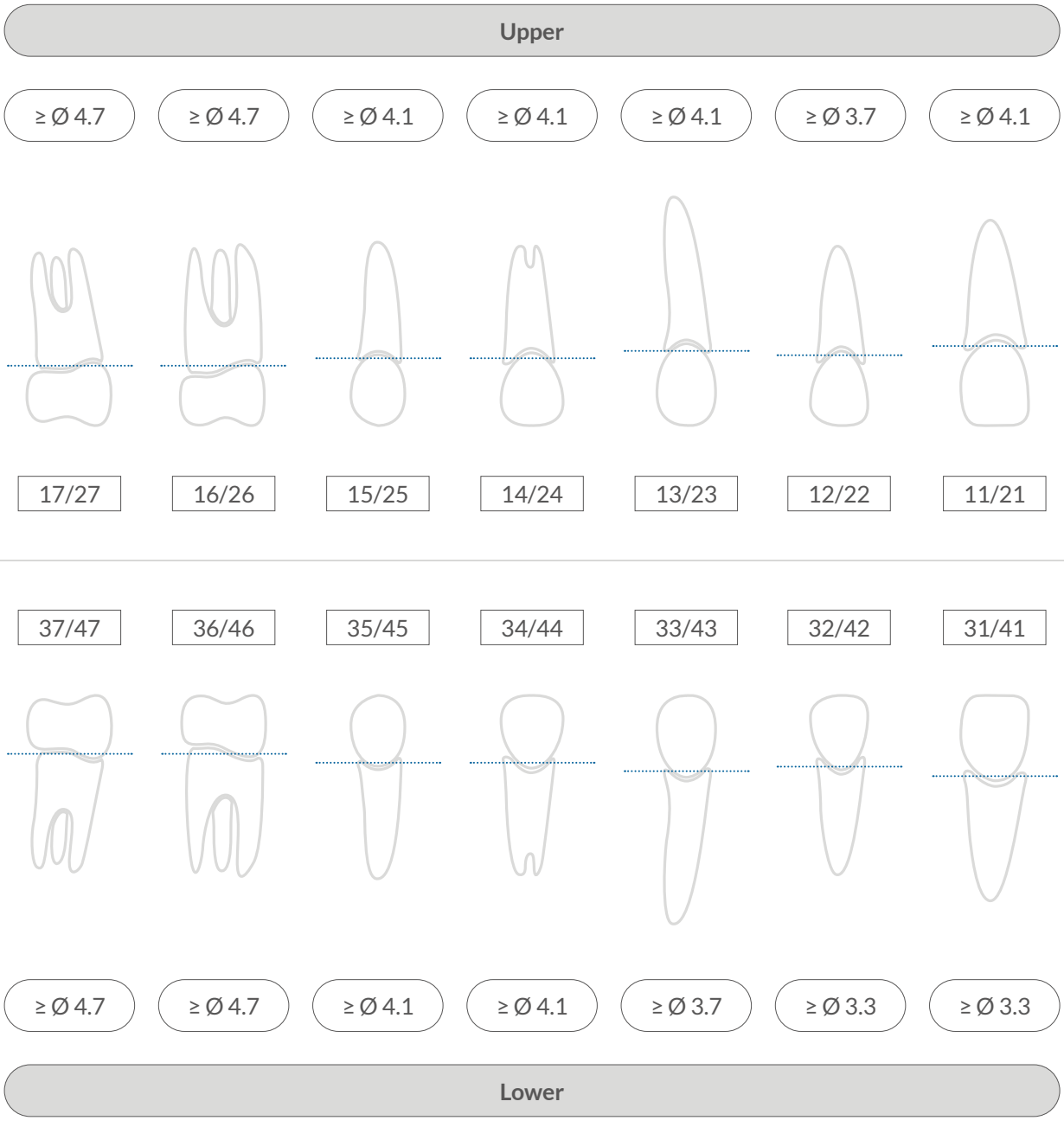
Sink countersink: up to 1.4mm for d3 medium bone/ up to 2.8mm for d2 medium bone and d1 compact bone
Use 5.2 countersink

	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, are not be respected as regard the implants position in relation to implants site and diameters

Implant head



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PRODUCT CHARACTERISTICS

The SHAPE1, IMAX, VOLUTION, iMAXMUA and SHAPEMINI 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 positioning A) submerged/bone level, B) transmucose/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 total 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 prosthesis, 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 operator 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, hindering 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 insertion. 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 mandibular 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 primary stability of the implant in the first phase of insertion, in patients with poor oral hygiene, smokers, with uncontrolled systemic pathologies and blood disorders. In addition to the normal contraindications for general surgery, the conditions described above can have a negative influence on the partial or total integration 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 techniques and the specific techniques for SHAPE1, IMAX, VOLUTION, iMAXMUA and SHAPEMINI, following the indications of the surgical protocol and specific training courses. An incorrect choice of implant and surgical 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 damaged 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, treatment plans, types of operations and prosthetic rehabilitations performed and everything that can be useful for the patient's medical history. The use of non-original 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 SHAPEMINI implant systems must be inserted with a maximum torque of 50 Ncm, exceeding this force could be prejudicial to the precision of connection with the subsequent 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 implants 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 dentures 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 fundamental importance. Physical, instrumental, and radiological 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 complications 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 osseointegration 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 sterilisation 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. I-RES' SAGL implants are DISPOSABLE devices. Their reuse is not desirable from a medical, legal and ethical point of view. The use of not validated sterilization procedures can cause both the infection onset in the patient 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 responsibility.

Symbols on the package

	Fabbricante - Manufactures iRES® SAGL Riva Caccia, 1/D 6900 Lugano [Switzerland] info@i-res-group.com www.i-res-group.com
	European Authorized Representative IESS GROUP SRL Via Madonna della Salute 23 - 33050 Pozzuolo del Friuli (UD) [Italy]
	CE Mark according to standard MDD93/42/EEC
	Batch number
	Use before the expiry date
	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

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

EC REP — European Authorized Representative
IESS GROUP SRL Via Madonna della Salute 23 - 33050 Pozzuolo del Friuli (UD) [Italy]

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

European Authorized Representative
IESS GROUP SRL Via Madonna della Salute 23 - 33050 Pozzuolo del Friuli (UD) [Italy]

CE Mark according to standard MDD93/42/EEC

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

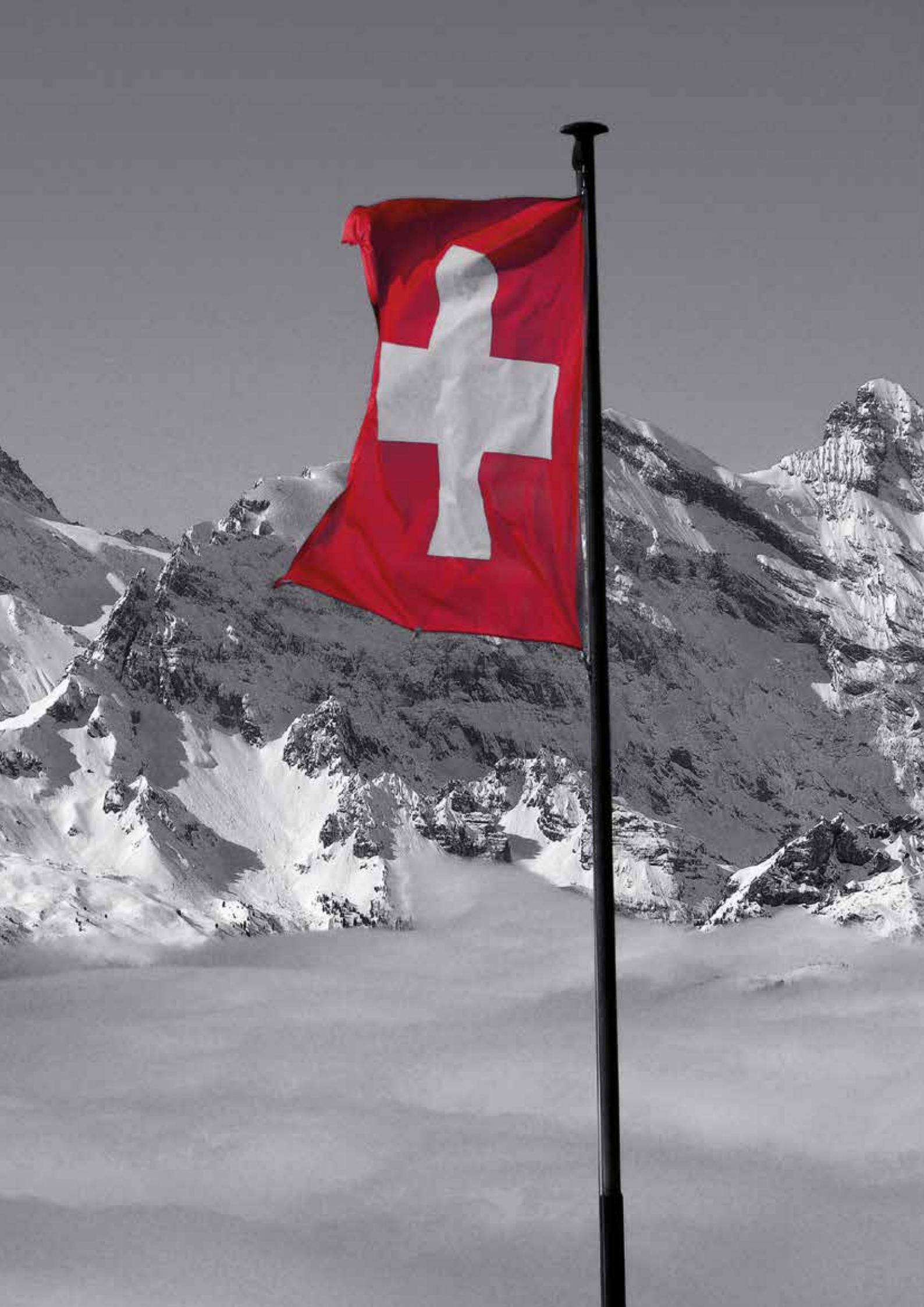
Do not use if the packaging is damaged

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



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