ora
Dental Implant

IMPLANT LINES

INTERNAL HEX

MINI IMPLANT

ora
Dental Implant

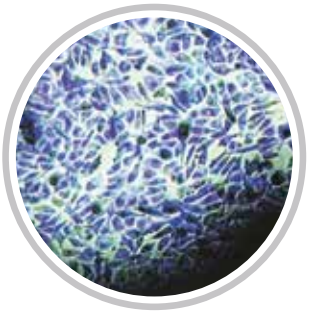
CONTENT INDEX

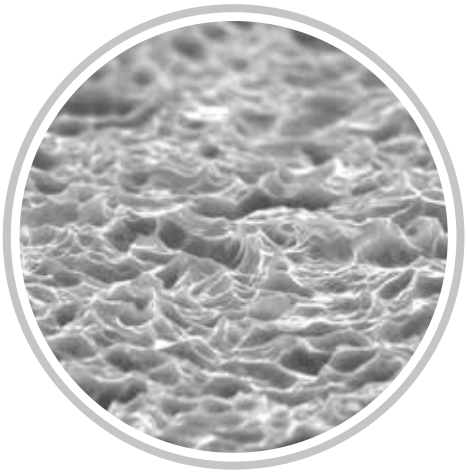
BWS®

a surface with over 20 years of history

CONSTANT OVER TIME

The capacity of **BWS®** to **retain fibrin**, lets osteoblasts migrate from the bone to the implant surface and reproduce there, **generating new bone** in direct contact with the titanium (contact Osseointegration).





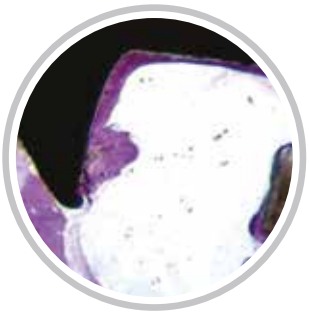
20 µm

SEM HV: 20.00 kV
SEM MAG: 4.82 kx
WD: 10.6470 mm
Det: SE Detector
View field: 62.05 µm

VEGA\\TESCAN

Bone tissue grown in direct contact with the surface **BWS®**

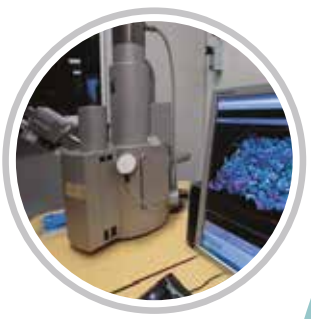
The process of sandblasting and acid etching the implant surface makes it possible to obtain **optimal values of roughness** creating the strongest fibrin adhesion to the surface and facilitating the bone healing process by **significantly reducing the time.**



2µm

EHT=18.00 kV WD=13 mm Mag=6.50 K X
Photo No.=6159 Detector= SE1

After the surface treatment and the classic washings, Dental Tech implants are additionally cleaned with **Argon Cold Plasma** to minimize carbon contamination. Subsequently, minute controls are performed on the fixture with **scanning electron microscopes (SEM).**



BWS®

- Packaging in controlled environments
- Clean room ISO 7
- Packaging impermeable to micro-organisms
- Gamma ray sterilisation process guarantee the creation of products that are extremely safe for users and their patients

IMPLANT LINES

PARALLEL IMPLANT
Fixture with cylindrical body and a conical apex.
Modulating the surgical procedure it is indicated in all bone types; even in the case of non-compact bone it is able to achieve a good primary stability.
You can use it for any type of prosthetic restoration, screwed and cemented. Using the concept of platform switching allows you to better manage the soft tissue in the area of the implant – abutment interface, and reduce peri-implant bone resorption over time.

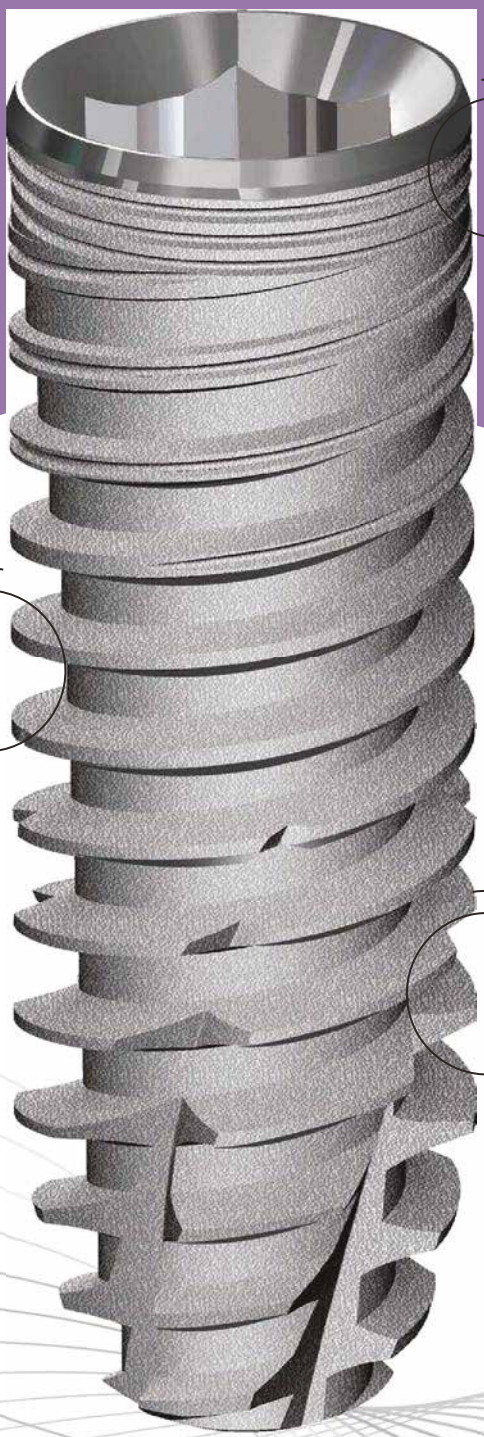
SHORT IMPLANT
Even if they are 6.0 mm length, allows the realization of surgical procedures without bone graft even in cases of advanced tissue resorption.

ACTIVE IMPLANT
Tapered implant that, thanks to its special spiral design, facilitates the users in the realization of Ridge Expansion procedures. The exceptional self tapping power of the thread, provides an excellent bone condensing and a high primary stability even in very complex clinical cases.
Implogic AT is recommended in cases of post extraction implants and in case of poor quality bone.

PACKAGING

ORA Dental Implant GHBH endosseous implants are supplied in sterile packaging which, if undamaged, guarantees the implant is protected from external agents and, if stored correctly, their sterility.

PARALLEL IMPLANT



Micro-grooves to limit bone resorption.

The implant's screwing axis can be adjusted.

BETTER PENETRATION
Spiral profile with hybrid progress: flat and radiating towards the root, triangular-shaped externally, for greater penetration into incompletely prepared sites.

APICAL DRILLS
Drills with helicoidal progress to enhance stable penetration.

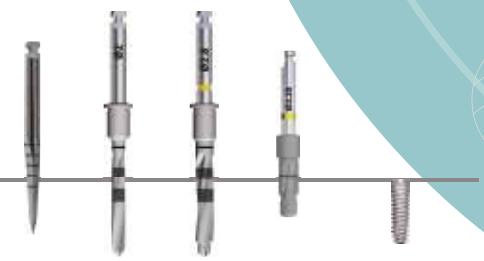
PARALLEL IMPLANT REFERENCE CODES

INTERNAL HEX

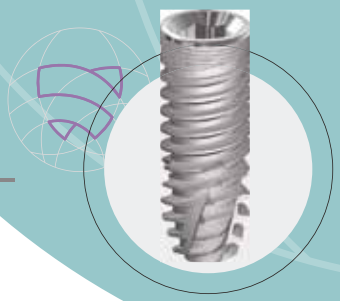
Diameter (Ø) mm
Ø ٣,٢٥

Length (L) mm	REF
10	**FTC٣٢١٠/SC**
11,5	**FTC٣٢١١/SC**
13	**FTC٣٢١٣/SC**
16	**FTC٣٢١٦/SC**

Recommended surgical sequence



DRLNC DRP200 DRP280 CTK325



Diameter (Ø) mm
Ø 3.75

Length (L) mm	REF
8	**١٠,٣٧٠٨**
10	**١٠,٣٧١٠**
11,5	**١٠,٣٧١١**
13	**١٠,٣٧١٣**
16	**١٠,٣٧١٦**

Recommended surgical sequence

DRLNC DRP200 DRP310 LOW DENSITY DRP325 HIGH DENSITY CTK375

Diameter (Ø) mm
Ø 4.25

Length (L) mm	REF
8	**١٠,٤٢٠٨**
10	**١٠,٤٢١٠**
11,5	**١٠,٤٢١١**
13	**١٠,٤٢١٣**
16	**١٠,٤٢١٦**

Recommended surgical sequence

DRLNC DRP200 DRP310 DRP360 LOW DENSITY DRP375 HIGH DENSITY CTK425

Diameter (Ø) mm
Ø 4.75

Length (L) mm	REF
8	**١٠,٤٧٠٨**
10	**١٠,٤٧١٠**
11,5	**١٠,٤٧١١**
13	**١٠,٤٧١٣**

Recommended surgical sequence

DRLNC DRP200 DRP280 DRP310 DRP360 DRP410 LOW DENSITY DRP425 HIGH DENSITY CTK475

Diameter (Ø) mm
Ø 0,0٠

Length (L) mm	REF
8	**١٠,٥٥٠٨**
10	**١٠,٥٥١٠**
11,5	**١٠,٥٥١١**
13	**١٠,٥٥١٣**

Recommended surgical sequence

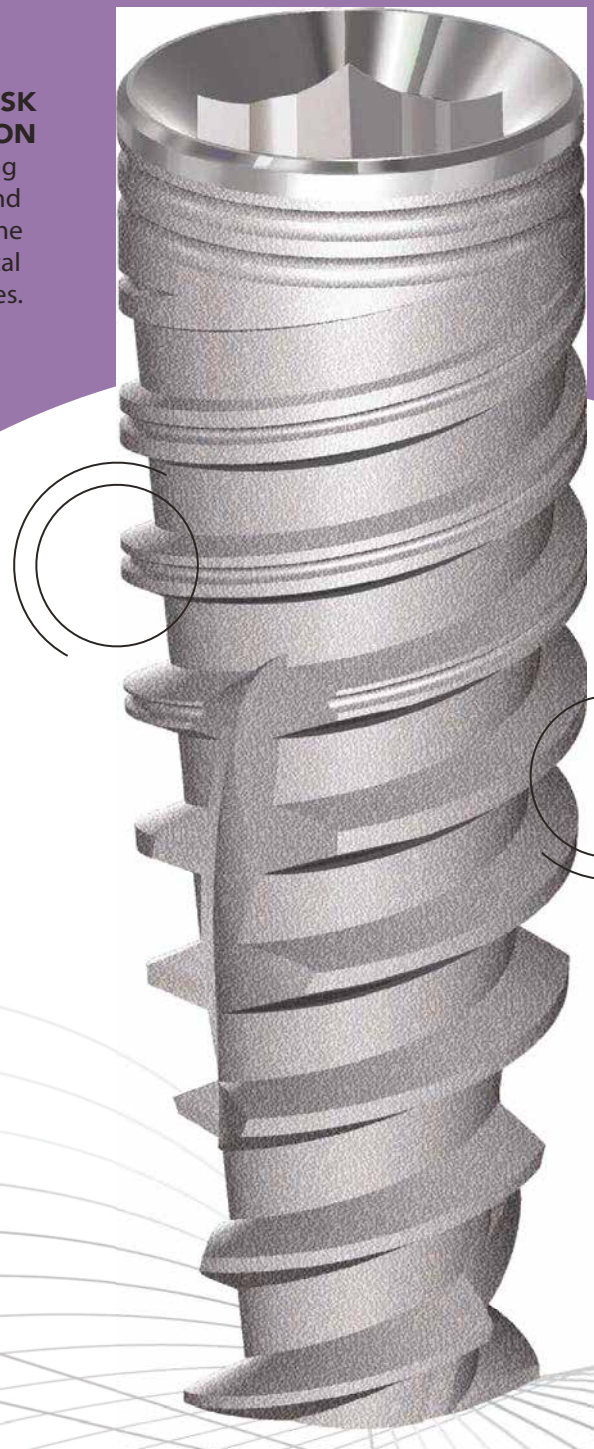
DRLNC DRP200 DRP280 DRP310 DRP360 DRP410 LOW DENSITY DRP425 HIGH DENSITY CTK475

TECHNICAL FEATURES

ACTIVE IMPLANT

SPIRAL DESIGN
The unusual spiral design simplifies the procedures of Ridge Expansion.

RISK REDUCTION
Less risk of damaging adjacent teeth and perforation of the lingual and/or buccal cortical plates.



SELF-TAPPING COIL
Exceptional self-tapping capability which provides improved bone condensation and increased primary stability, even in highly complex clinical cases.

BONE MAINTENANCE OVER TIME
Allows a greater reduction of bone osteotomy to be achieved, which results in lower bone loss and reduced surgical trauma.

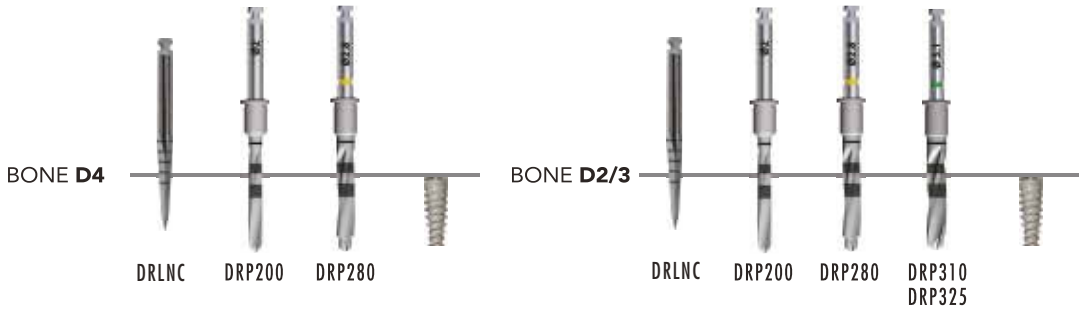
OPTIMAL CHOICE OF POSITIONING
Allows a change in direction in order to achieve the optimum position of restoration, especially in post-extraction sites.

ACTIVE IMPLANT REFERENCE CODES

INTERNAL HEX

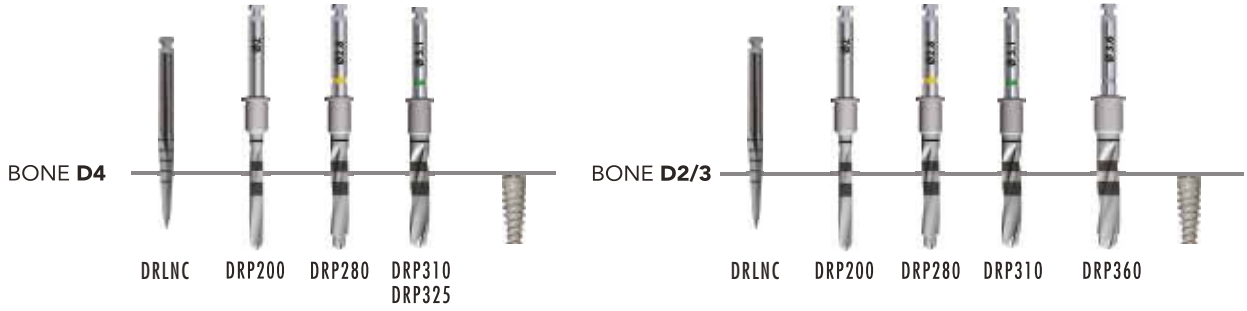
Diameter (Ø) mm
Ø 3.75

Length (L) mm	REF
8	11,375-08
10	11,375-10
11,5	11,375-11
13	11,375-13
16	11,375-16



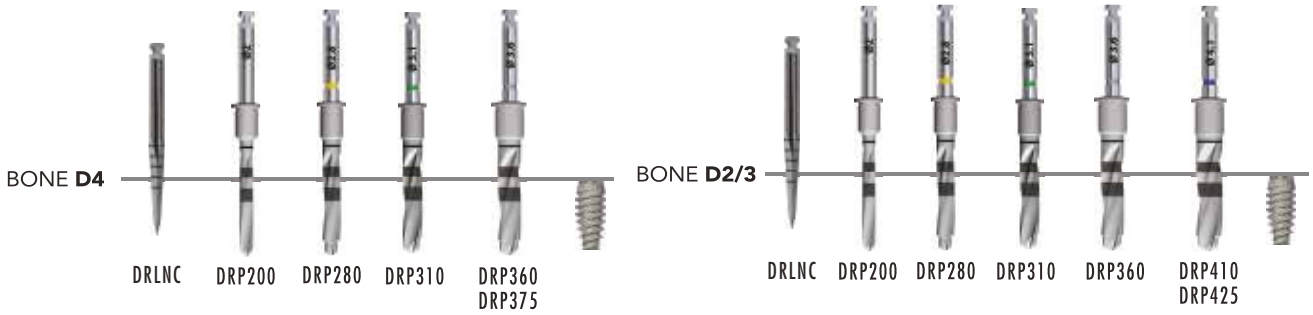
Diameter (Ø) mm
Ø 4.25

Length (L) mm	REF
8	11,425-08
10	11,425-10
11,5	11,425-11
13	11,425-13
16	11,425-16



Diameter (Ø) mm
Ø 4.75

Length (L) mm	REF
8	11,475-08
10	11,475-10
11,5	11,475-11
13	11,475-13



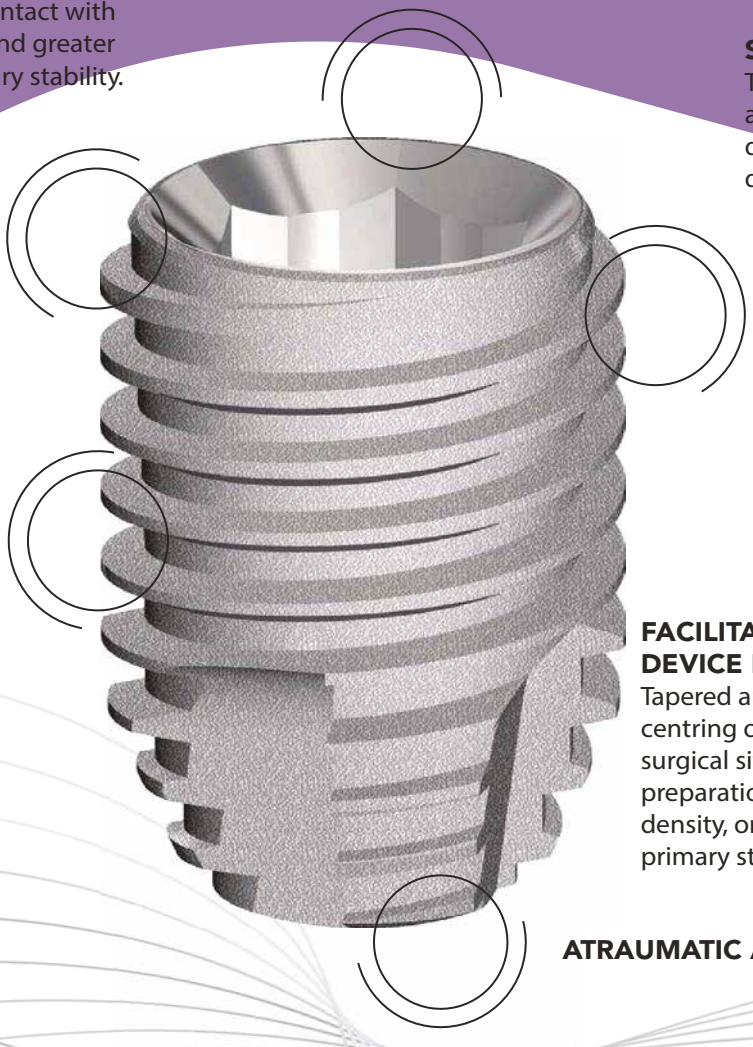
TECHNICAL FEATURES

SHORT IMPLANT

BONE MAINTENANCE OVER TIME
Polished coronal chamfer and implant collar are designed to better manage the biological width and maintain the level of bone over time.

SELF-TAPPING COIL
Self-tapping coil with double principle thread for increased contact with the bone and greater primary stability.

SPIRE GEOMETRY
The geometry of the spire aids osseous healing, both qualitatively and quantitatively.



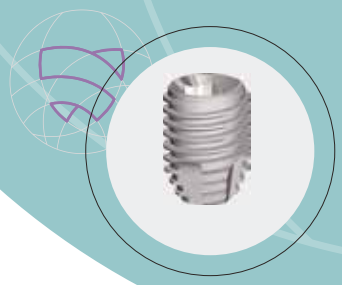
IMPROVED PENETRATION
Four wide cutting zones for greater penetration capacity and to gather bone fragments, therefore reducing compression.

FACILITATES POSITIONING THE DEVICE IN THE SURGICAL SITE
Tapered apical portion to facilitate centring of the device in the surgical site, even in cases of under preparation due to poor bone density, or to achieve greater primary stability.

ATRAUMATIC APEX

SHORT IMPLANT REFERENCE CODES

INTERNAL HEX



Diameter (Ø) mm
Ø 4.25

Length (L) mm	REF
7	L0,2405

Recommended surgical sequence						
Drill	DRLNC	DRP200	DRP280	DRP310	DRP360	
Stop		STC2506	STC2506	STC2506	STC3406	

Diameter (Ø) mm
Ø 4.75

Length (L) mm	REF
7	L0,2705

Recommended surgical sequence							
Drill	DRLNC	DRP200	DRP280	DRP310	DRP360	DRP410	
Stop		STC2506	STC2506	STC2506	STC3406	STC3406	

Diameter (Ø) mm
Ø 5,0

Length (L) mm	REF
7	L0,3005

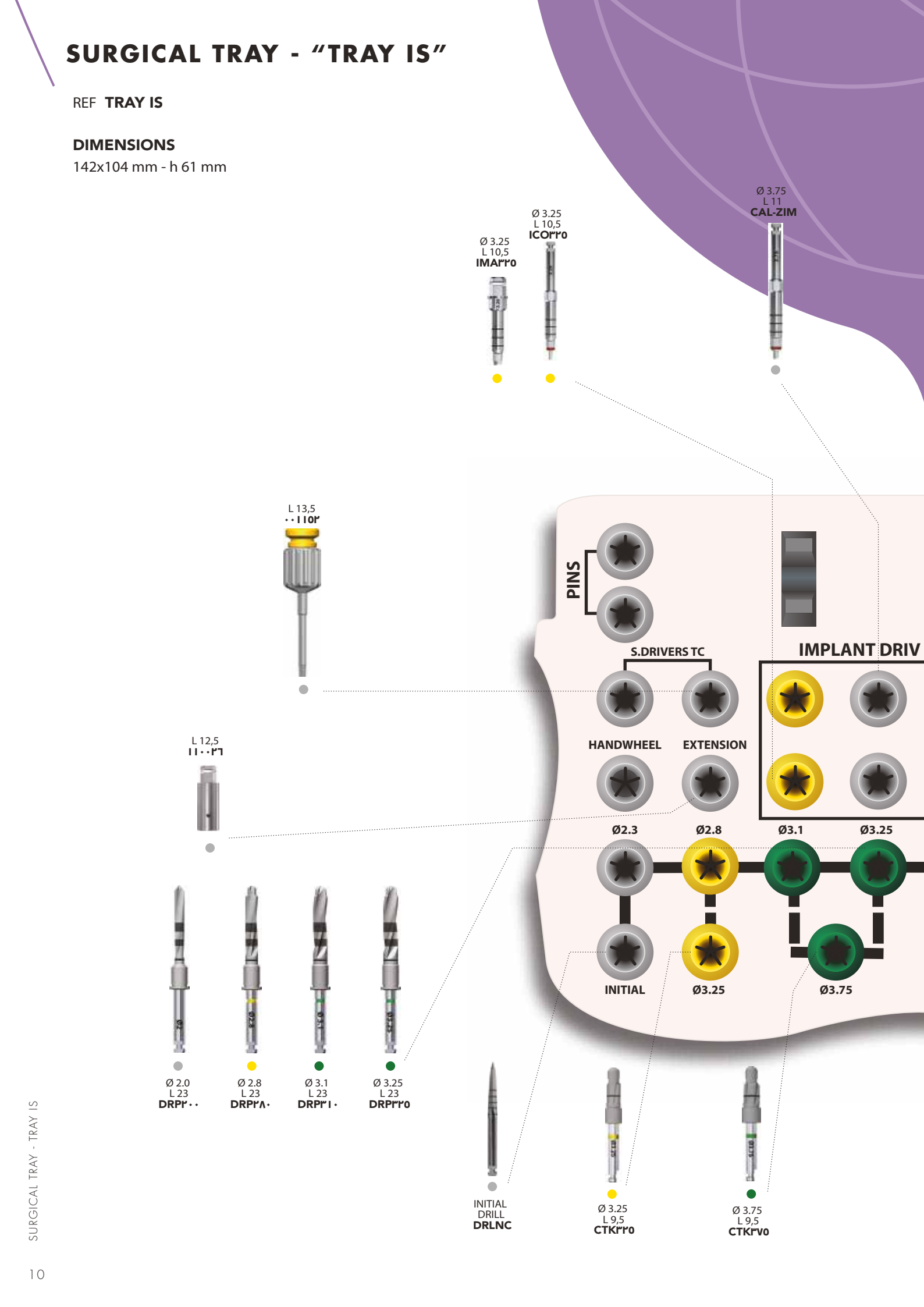
Recommended surgical sequence								
Drill	DRLNC	DRP200	DRP280	DRP310	DRP360	DRP410	**DRP425**	
Stop		STC2506	STC2506	STC2506	STC3406	STC3406	STC3406	

SURGICAL TRAY - “TRAY IS”

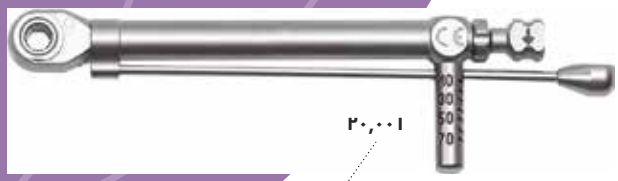
REF **TRAY IS**

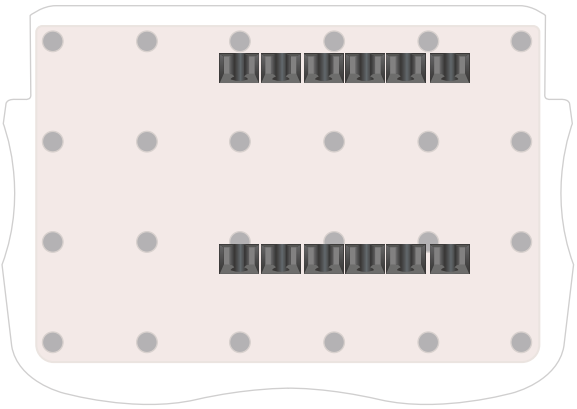
DIMENSIONS

142x104 mm - h 61 mm



SURGICAL TRAY - “TRAY IS”





COMPARTMENT INSIDE
DRILL STOP

Ø3.75
L 6
TW•••6

L 18,5
TW•••1L

L 12,5
TW•••1C

(at choice) (at choice)

L 14,3
GCG••3•

L 8,3
GCG••2E

(at choice) (at choice)

L 9
KIOA9

ERS

SPARE

SCREW
DRIVER C.

D.EXTENSION

Ø3.6 Ø3.75 Ø4.1 Ø4.25

Ø4.25 Ø4.75

Ø 3.6
L 23
DRP3L0

Ø 3.75
L 23
DRP3V0

Ø 4.1
L 23
DRP41•

Ø 4.25
L 23
DRP425

Ø 4.25
L 9,5
CTK425

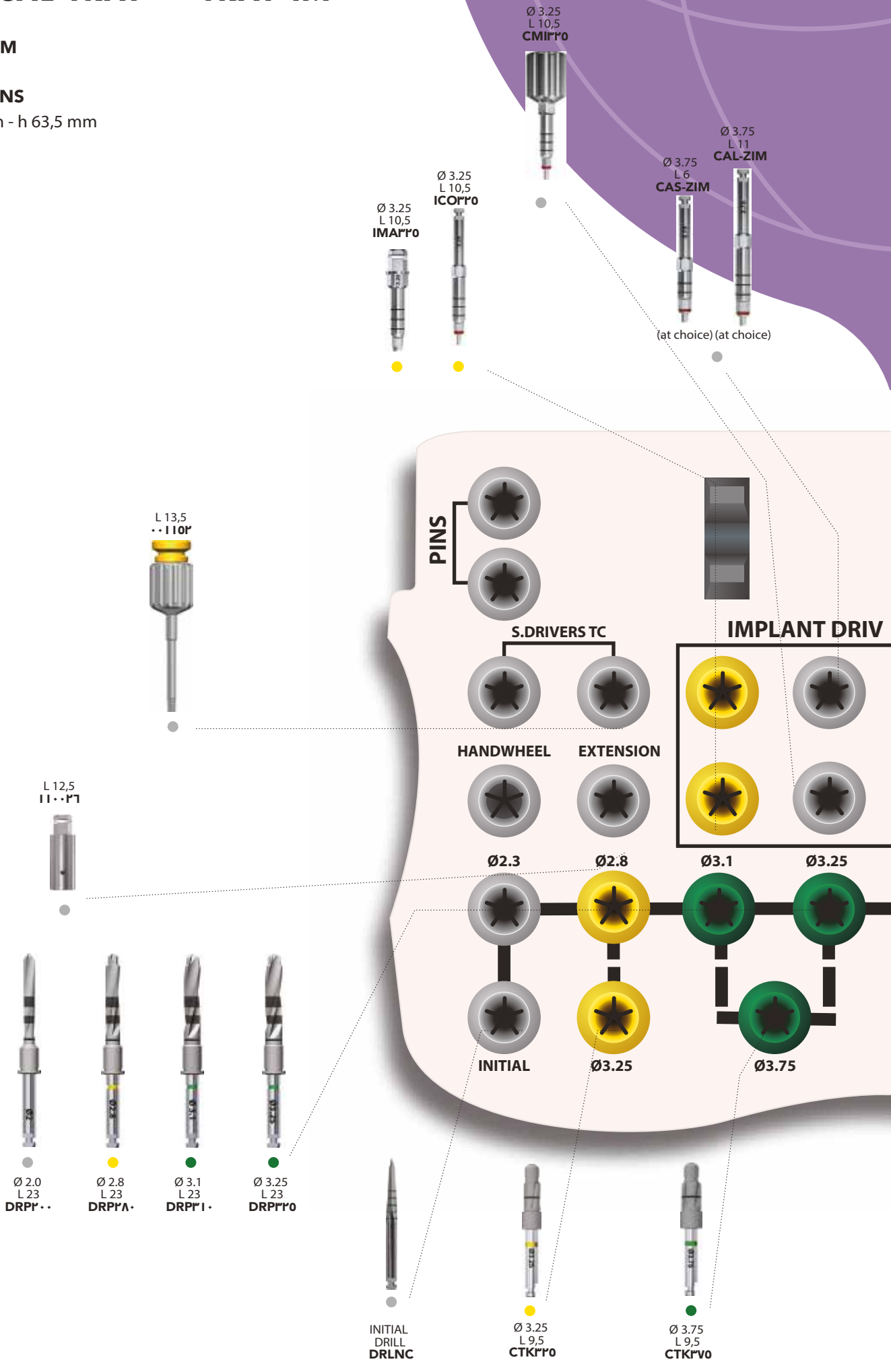
Ø 4.75
L 9,5
CTK475

SURGICAL TRAY - “TRAY IM”

REF **TRAY IM**

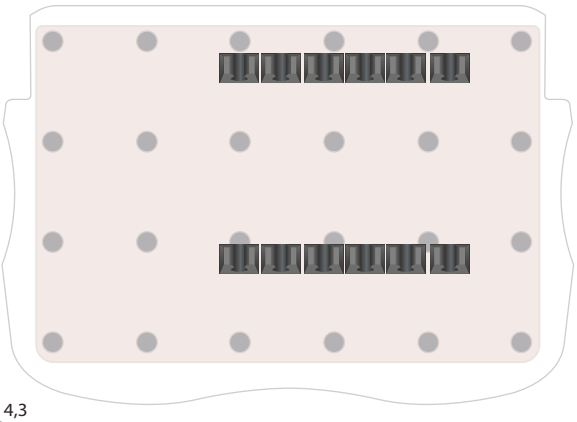
DIMENSIONS

176x143 mm - h 63,5 mm



SURGICAL TRAY - "TRAY IM"

۳۰,۰۰۱



COMPARTMENT INSIDE
DRILL STOP

Ø3.75
L 6
۳۰,۰۰٤

Ø3.75
L 11
۳۰,۰۰٥

(at choice) (at choice)

L 12,5
TW···1C

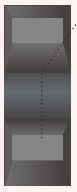
L 18,5
TW···1L

(at choice) (at choice)

L 14,3
GCG··۳·

L 8,3
GCG002٤

(at choice (at choice)



ERS

SPARE

SCREW
DRIVER C.

D.EXTENSION

Ø3.6 Ø3.75 Ø4.1 Ø4.25

Ø4.25 Ø4.75

L 9
K10A9

Ø 3.75
L 6
۳۰,۰۰٦

Ø 3.75
L 11
۳۰,۰۰۷

Ø 3.6
L 23
DRPF٦·

Ø 3.75
L 23
DRPF۷٥

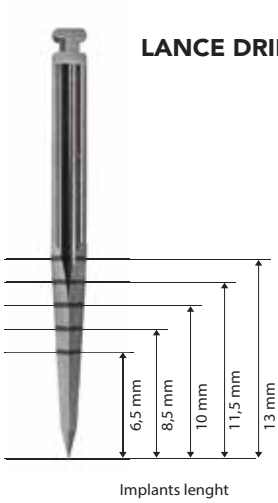
Ø 4.1
L 23
DRP٤1·

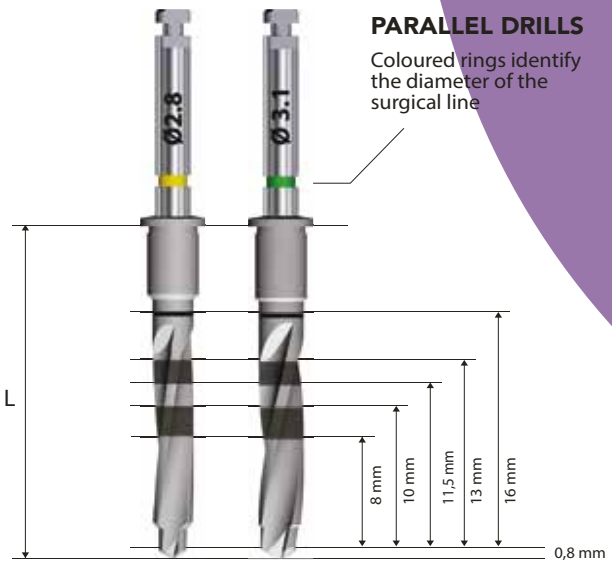
Ø 4.25
L 23
DRP٤۲٥

Ø 4.25
L 9,5
CTK٤۲٥

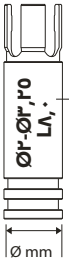
Ø 4.75
L 9,5
CTK٤۷٥

READING DEPTH NOTCHES AND SHARP DRILLS





DRILL STOP



Ti$_0$

Diameter (Ø) mm
Ø ε,0

Stop

Length (L) mm	REF
6	**STCr0·L**
7	**STCr0·V**
8	**STCr0·Λ**
10	**STCr0I·**
11,5	**STCr0II**

inox

Length (L) mm
L rr

Parallel Drill

Diameter (Ø) mm	REF
2.0	**DRPr··**
2.8	**DRPrΛ·**
3.1	**DRPrI·**
3.25	**DRPrr0**

Ti$_0$

Diameter (Ø) mm
Ø 0,0

Stop

Length (L) mm	REF
6	**STCrε·L**
7	**STCrε·V**
8	**STCrε·Λ**
10	**STCrεI·**
11,5	**STCrεII**

inox

Length (L) mm
L rr

Parallel Drill

Diameter (Ø) mm	REF
3.6	**DRPrL·**
3.75	**DRPrV0**
4.1	**DRPεI·**
4.25	**DRPεr0**

REF
DRLNC

inox

Countersink

Diameter (Ø) mm	REF
3.25	**CTKrr0**

inox

Countersink

Diameter (Ø) mm	REF
4.25	**CTKεr0**

inox

Countersink

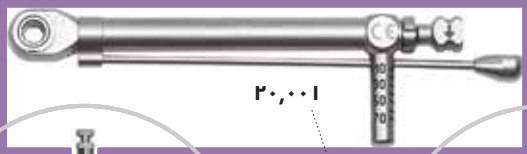
Diameter (Ø) mm	REF
3.75	**CTKrV0**

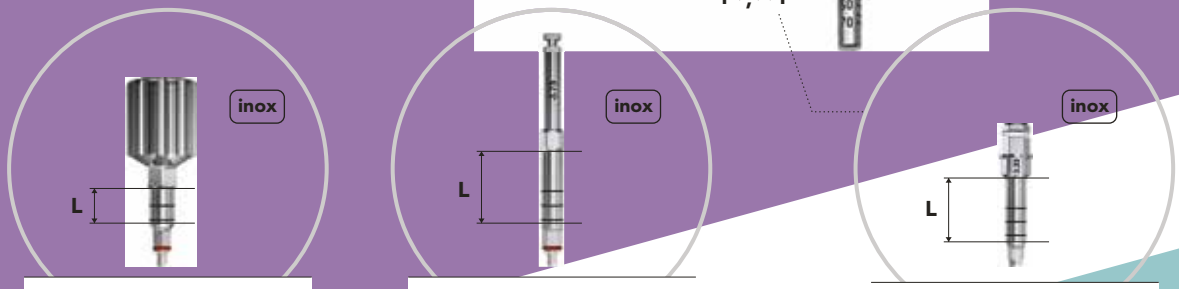
inox

Countersink

Diameter (Ø) mm	REF
4.75	**CTKεV0**

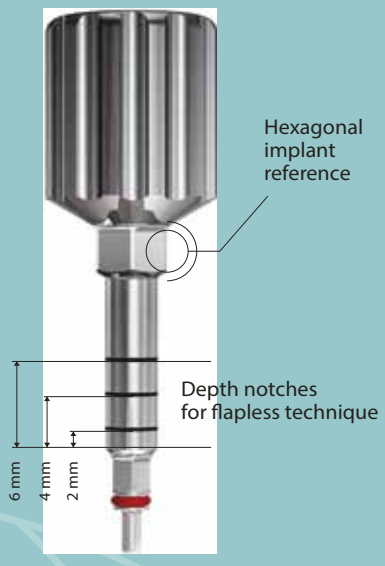
IMPLANT CONNECTIONS
FEATURES AND MEASURES





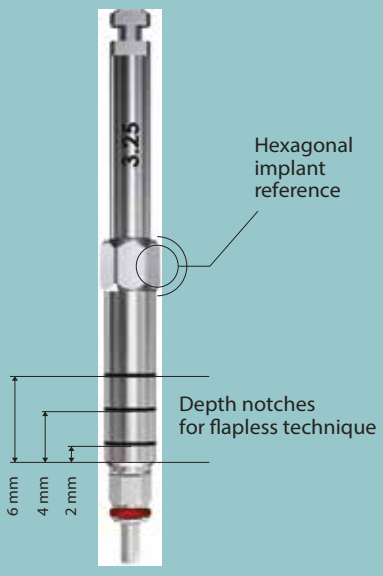
	IMPLANT HANDWEEL CONNECTION	IMPLANT CA CONNECTION	IMPLANT RATCHET CONNECTION
Ø ۴,۲۵ - L ۱۰,۵	REF **CMIrro** 	REF **ICOrro** 	REF **IMArro** 
Ø ۴,۷۵ - L ٦,۰ SHORT	REF ۴۰,۰۰٦ 	REF **CAS-ZIM** 	REF ۴۰,۰۰٤ 
Ø ۴,۷۵ - L ۱۱,۰ LONG	REF ۴۰,۰۰۷ 	REF **CAL-ZIM** 	REF ۴۰,۰۰۵ 

Ø Diameter mm - L Lenght mm



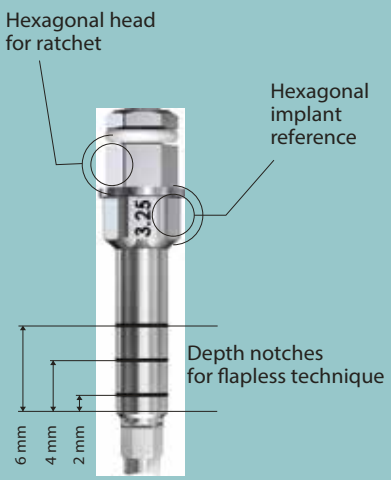
IMPLANT HANDWEEL CONNECTION

Allows removal of the implant from the ampoule and the start of insertion in the surgical site.



IMPLANT CA CONNECTION

Allows removal of the implant from the ampoule and its insertion in the surgical site using the contra-angle screwdriver.



IMPLANT RATCHET CONNECTION

A tool to be connected to the ratchet to complete insertion of the implant. It does not permit removal as it does not have an O-Ring seal.

IMPLANTS INSERTION PROCEDURE

WITH MANUAL CONTRA-ANGLE IMPLANT CONNECTION

Insert the direct manual contra-angle screwdriver into the implant with a slight rotating motion to allow the correct coupling of the two hexagons (implant - screwdriver) and remove the implant. (Fig. 5)

Fig.5

Begin insertion of the implant in the alveolar surgery (Fig. 6) after having set the following parameters on the surgical unit:

1) Bi-phase procedure (submerged) RPM 20-15
Torque max. 40-35 Ncm

2) Monophasic procedure realized with submerged implants and healing screws, with deferred load RPM 20-15
Torque max. 45-40 Ncm

3) Monophasic procedure with immediate load/prosthesis RPM 20-15
Torque is incremental from 20 to 70 Ncm

Fig.6

If a surgical unit with good torque control is available, both in quantity and quality, it is possible to terminate insertion of the implant with the contra-angle; if the opposite is true, insert the device in the alveolar surgery as long as the power of the machine permits and complete the insertion manually proceeding as follows:

IMPLANT RATCHET CONNECTION

Ensure that the tool is inserted in the position suitable for screwing and turn until the implant reaches the desired position. (Fig. 7)

Fig.7

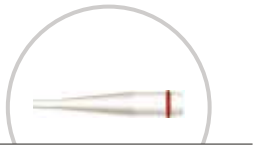
Complete the insertion of the implant using the dynamometric wrench connected to the direct screwdriver of the REF. IMA20.005 / 20.004 / 325 ratchets. At times it is necessary to use the extensions, short REF. PMC115 and long REF. 110026 to connect to the tools described above. (Fig. 8)

Fig.8

IMPLANT CONNECTION SCREWDRIVERS
O-RING REPLACEMENT TOOL

DESCRIPTION
The tools (DRO 375) facilitates replacement of the O-Ring on the screwdrivers.

Warning The O-Ring support tool is made of PMMA and, therefore, it cannot be sterilised in an autoclave.



REF **DRO٣٣٥**

REF **DRO٣٧٥**

REF **CMI٣٣٥**

REF **ICO٣٣٥**

REF **٣٠,٠٠٦**

REF **٣٠,٠٠٧**

REF **CAS-ZIM**

REF **CAL-ZIM**

Fig.11

Fig.12

Fig.13

RATCHET
REF **٣٠,٠٠١**

BALL ABUTMENTS ADAPTOR

for ball abutment Ø 2.25

inox

REF
RDS٣٣٥

SCREWDRIVERS ADAPTOR

inox

	REF
Short	**TW0001C**
Long	**TW0001L**

OVERDENTURE ABUTMENT ADAPTOR

Ti_5

REF
ADL150

MUA ADAPTOR

inox

REF
TW٠٠٨٠

ISO ADAPTOR

inox

Length (L) mm	REF
7	**ISO٣٧٠**

HEX SCREWDRIVER

inox

Length (L) mm		REF
8,8	Short	**GCG0024**
14,8	Long	**GCG0030**

SURGICAL INSTRUMENTS

DYNAMOMETRIC RATCHET

inox

REF
۳۰,۰۰۱

ADAPTOR FOR DYNAMOMETRIC RATCHET

inox

ISO connection for ratchet

Length (L) mm	REF
7	ISO۳۷۰

EXTENSION

inox

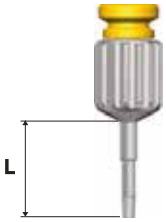
Length (L) mm	REF
12,5	۱۱۰۰۳۶

EXTENSION FOR DRILL

inox

Length (L) mm	REF
9	KI0۸۹

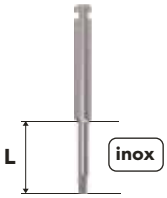
SCREWDRIVERS



inox

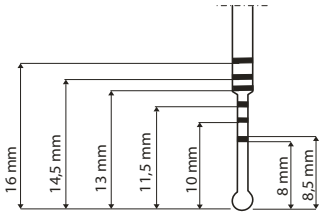
Length (L) mm	REF
4,5	GMX۱۰۰
11,5	GMM۳۵۰
18	۰۰۱۱۰۳

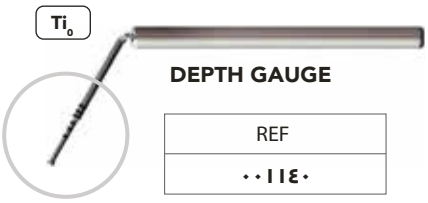
HEX CA DRIVER



inox

Length (L) mm	REF
8,3	Short GCG۰۰۳٤
14,3	Long GCG۰۰۳۰

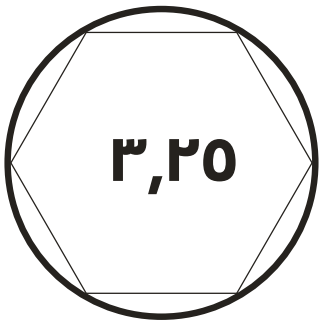




DEPTH GAUGE

REF
۰۰۱۱٤۰

OVERVIEW PROSTHETIC COMPONENTS
DIAMETER 3.25



H Height mm
Ø Diameter mm
ML Laser Marking

IMPLANTS

REF
FTC٣٢١٠/SC
FTC٣٢١١/SC
FTC٣٢١٢/SC
FTC٣٢١٦/SC

HEALING ABUTMENT

H	REF
2	VG٣٢٥٢
4	VG٣٢٥٤
6	VG٣٢٥٦

COMPONENTS FOR IMPRESSIONS AND MODELS

*Fastening screw included

PICK UP IMPRESSION COPY

Ti

Ø	REF
3.8	TPR٣٢٠٠

TRANSFER IMPRESSION COPING

Ti

REF
TST٣٢٢٥

IMPLANT ANALOGUES

Ti

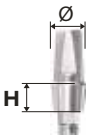
REF
AGL٣٢١٢

COMPONENTS FOR CEMENTED PROSTHETICS

REF **VFD٠٣٢**
Fastening screw included and available as a replacement

STRAIGHT ABUTMENT

Ti



H	Ø	ML	REF
1,5	3.8	325	MAS٣٢١٥
3	3.8	325	MAS٣٢٣٠

Ø	REF
3.8	PLT٣٢٢٥

٢٠Ncm Torque adapter REF TW0001

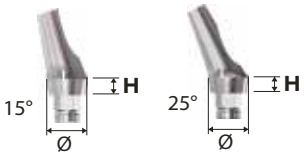
CASTABLE ABUTMENT

Pmma

REF
PCA٣٢٥

ANGLED ABUTMENT

Ti



H	Ø	ML	REF
1,5	3.8	15/325°	MPG٣٢١١
1,5	3.8	25/325°	MPG٣٢٢١
3	3.8	15/325°	MPG٣٢١٣
3	3.8	25/325°	MPG٣٢٢٣

٢٠Ncm Torque adapter REF TW0001

COMPONENTS FOR PROSTHETICS SCREWED AT THE IMPLANT LEVEL

REF **VFD٠٣٢**
Fastening screw included and available as a replacement

TEMPORARY CYLINDER

Peek

ML	REF
325E	PKE٣٢٠
325R	PKR٠٣٢

20Ncm Torque adapter REF TW0001

CYLINDER ABUTMENT

Ti

ML	REF
325E	PPE٣٢٥
325R	PPR٠٣٢

20Ncm Torque adapter REF TW0001

CASTABLE ABUTMENT

Pmma

REF
PCA٣٢٥
PCR٠٣٢

20Ncm Torque adapter REF TW0001

OVERVIEW PROSTHETIC COMPONENTS

DIAMETER 3.25

COMPONENTS FOR PROSTHETICS SCREWED TO AN ABUTMENT

REF **VBTrr••**
* Included and available as a replacement

ABUTMENT MUA

Ti

H	REF
1	**BTArr1•**
2,5	**BTArrr0**

20Ncm Torque adapter
REF TW0001

CYLINDER

Ti

REF
CITrr••

Pmma

REF
CBRrr••

20Ncm Torque adapter
REF TW0001

IMPRESSION TRANSFER

Ti

REF
TBTrr••

ABUTMENT ANALOGUE

Ti

REF
ABTrr••

PROTECTIVE CAP

REF
GBTrr••

CAD-CAM COMPONENTS

* Fastening screw included and available as a replacement

SCAN ABUTMENT

Ti

REF
SCANrr0

Digital CAD-CAM Intraoral Scan and Laboratory Scan.
For single cemented and screwed elements.
For multiple cemented elements.

DIGITAL ANALOGUE

Ti

REF
AGLrrDG

Analog for digital models, specific for applications through the manufacture of models made with 3D printing/prototyping. The characteristic shape with rounded edges, allows easy insertion into the model seat, without interference and friction with the resinous material of the models.
The apical screw allows to always obtain a total working stability.
This prosthetic component must be used through the Libraries.

TI BASE SIRONA

Ti

H	REF	REF
0,5	**PSSrr0**	**PSSrr0R**
1	**PSSrr1•**	**PSSrr1•R**
2	**PSSrrr•**	**PSSrrr•R**

Digital CAD-CAM bonding technique.
For single cemented and screwed elements.
For multiple cemented elements.

20Ncm Torque adapter
REF TW0001

MUA BONDING BASE

Ti

REF
BCMrr0

Digital CAD-CAM and traditional bonding technique.
For multiple elements screwed into an MUA Pillar.

20Ncm Torque adapter
REF TW0001

CAD-CAM COMPONENTS

SCAN BTA

Ti_0

REF
SCANBTA

Screw included

Suitable for digital CAD-CAM technique for intraoral and laboratory scans. For multiple screw-retained elements.

DIGITAL ANALOGUE

Ti_0

REF
ABTrr··DG

Analogue for digital models, specific for applications through the manufacture of models made with 3D printing/prototyping. The characteristic shape with rounded edges allows an easy insertion in the seat model made, without interference and friction with the resinous material of the models. The apical screw allows to always obtain a total working stability. This prosthetic component must be used in conjunction with the Libraries.

OVERDENTURE COMPONENTS - BALL ATTACHMENT

BALL ABUTMENT O-RING

Pack. 10 pcs

Ti_5

REF
POR225

REF
ORG225

BALL ABUTMENT ANALOG

Ti_5

REF
AAFrr0

BALL ABUTMENT

Ti_5

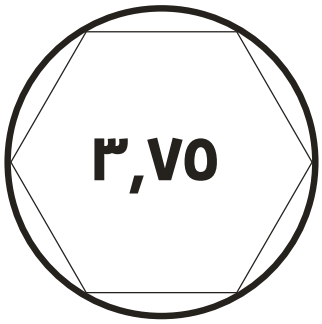
Ør,r0

H	REF
0,5	**ASFrr··**
1,5	**ASFrr10**
3	**ASFrrr·**

20Ncm Torque adapter REF RDS225

OVERVIEW PROSTHETIC COMPONENTS

DIAMETER 3.75



H Height mm
Ø Diameter mm
ML Laser Marking

IMPLANTS

REF	REF	REF	REF
١٠,٣٧٠٨	١٠,٤٢٠٨	١٠,٤٧٠٨	١٠,٥٥٠٨
١٠,٣٧١٠	١٠,٤٢١٠	١٠,٤٧١٠	١٠,٥٥١٠
١٠,٣٧١١	١٠,٤٢١١	١٠,٤٧١١	١٠,٥٥١١
١٠,٣٧١٣	١٠,٤٢١٣	١٠,٤٧١٣	١٠,٥٥١٣
١٠,٣٧١٦	١٠,٤٢١٦		

REF	REF	REF
١١,٣٧٠٨	١١,٤٢٠٨	١١,٤٧٠٨
١١,٣٧١٠	١١,٤٢١٠	١١,٤٧١٠
١١,٣٧١١	١١,٤٢١١	١١,٤٧١١
١١,٣٧١٣	١١,٤٢١٣	١١,٤٧١٣
١١,٣٧١٦	١١,٤٢١٦	

REF	REF	REF
١٠,٤٢٠٦	١٠,٤٧٠٦	١٠,٥٥٠٦

HEALING ABUTMENT

Parallel

H	REF
2	٠٥,٠٠١
4	٠٥,٠٠٢
6	٠٥,٠٠٣

Taper

H	REF
2	٠٥,٠٠٤
4	٠٥,٠٠٥
6	٠٥,٠٠٦

Taper Large

H	REF
2	٠٥,٠٠٧
4	٠٥,٠٠٨
6	٠٥,٠٠٩

COMPONENTS FOR IMPRESSIONS AND MODELS

* Fastening screw included

PICK UP IMPRESSION COPY

Ti$_0$

*٠٥,٠٨٠

Ø	ML	REF
4.5	Z	٠٥,٠١١
5.6	ZL	٠٥,٠١٢

Ø	ML	REF
3.5	Z	٠٥,٠١٠

TRANSFER IMPRESSION COPING

Ti$_0$

*٠٥,٠٨١

ML	REF
Z	٠٥,٠١٤

ML	REF
Z	٠٥,٠١٣

IMPLANT ANALOGUES

Ti$_0$

ML	REF
Z	٠٥,٠١٥

COMPONENTS FOR CEMENTED PROSTHETICS

REF ٠٥,٠٨٢
Fastening screw included and available as a replacement

STRAIGHT ABUTMENT

Ti$_0$

Ø	ML	REF
3.75	Z	٠٥,٠١٦

H	Ø	ML	REF
1,5	4.5	Z	٠٥,٠١٧
3	4.5	Z	٠٥,٠١٨
1,5	5.5	ZL	٠٥,٠١٩
3	5.5	ZL	٠٥,٠٢٠

٣٠Ncm Torque adapter REF TW0001

CASTABLE ABUTMENT

Pmma

ML	REF
ZE	٠٥,٠٢٩

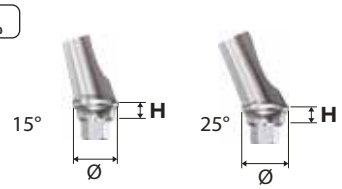
٣٠Ncm Torque adapter REF TW0001

COMPONENTS FOR CEMENTED PROSTHETICS

REF ٠,٠٨٣
Fastening screw included and available as a replacement

ANGLED ABUTMENT

Ti$_0$



H	Ø	ML	REF
1,5	4.5	Z15	٠,٠٢١
1,5	4.5	Z25	٠,٠٢٣
3	4.5	Z15	٠,٠٢٢
3	4.5	Z25	٠,٠٢٤
1,5	5.5	ZL15	٠,٠٢٥
1,5	5.5	ZL25	٠,٠٢٧
3	5.5	ZL15	٠,٠٢٦
3	5.5	ZL25	٠,٠٢٨

٢٠Ncm Torque adapter REF TW0001

COMPONENTS FOR PROSTHETICS SCREWED AT THE IMPLANT LEVEL

REF ٠,٠٨٣
Fastening screw included and available as a replacement

TEMPORARY CYLINDER

Peek

ML	REF
ZE	٠,٠٢٢
ZR	٠,٠٢١

20Ncm Torque adapter REF TW0001

CYLINDER ABUTMENT

Ti$_0$

ML	REF
ZE	٠,٠٢٣
ZR	٠,٠٢٤

20Ncm Torque adapter REF TW0001

CASTABLE ABUTMENT

Pmma

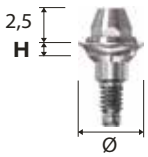
ML	REF
ZE	٠,٠٢٩
ZR	٠,٠٣٠

20Ncm Torque adapter REF TW0001

COMPONENTS FOR PROSTHETICS SCREWED TO AN ABUTMENT

MUA STRAIGHT ABUTMENT

Ti$_0$



H	Ø	REF
1	4.5	٠,٠٣٥
3	4.5	٠,٠٣٦

Supplied with transfer handle

٢٠Ncm Torque adapter REF TW0080

MUA ANGLED ABUTMENT

*REF ٠,٠٨٣

Ti$_0$

H	Ø	ML	REF
1	4.5	Z17	٠,٠٣٧
3	4.5	Z17	٠,٠٣٨
1	4.5	Z30	٠,٠٣٩
3	4.5	Z30	٠,٠٤٠

Supplied with transport and parallelization screw*

٢٠Ncm Torque adapter REF TW0001

MUA PROTECTION CAP

Peek

ML	REF
ZM	٠,٠٤١

Use only on MUA abutments

Pack. 2 pcs

MUA CYLINDER

Ti$_0$

ML	REF
ZM	٠,٠٤٢

Pmma

ML	REF
ZM	٠,٠٤٣

Use only on MUA abutments

Lock manually

MUA PROSTHETIC SCREW

Ti$_0$

REF
٠,٠٤٤

Ti$_0$

REF
٠,٠٤٥

Use only on MUA abutments Pack. 2 pcs

Lock manually

OVERVIEW PROSTHETIC COMPONENTS

DIAMETER 3.75

COMPONENTS FOR PROSTHETICS SCREWED TO AN ABUTMENT

* Fastening screw included

MUA PRECISION TRANSFER

Ti

*0,0Σ8

ML	REF
ZM	0,0Σ7

MUA ABUTMENT ANALOGUE

Ti

ML	REF
ZM	0,0Σ8

MUA SCAN ABUTMENT

Ti

Screw included

Suitable for digital CAD-CAM technique for intraoral and laboratory scans. For multiple screw-retained elements.

ML	REF
ZM	0,005

MUA DIGITAL ANALOGUE

Ti

ML	REF
ZD	0,008

Analogue for digital models, specific for applications through the manufacture of models made with 3D printing/prototyping. The characteristic shape with rounded edges allows an easy insertion in the seat model made, without interference and friction with the resinous material of the models. The apical screw allows to always obtain a total working stability. This prosthetic component must be used in conjunction with the Libraries.

CAD-CAM COMPONENTS

* Fastening screw included and available as a replacement

SCAN ABUTMENT

Ti

*0,008

ML	REF
Z	0,000

Digital CAD-CAM Intraoral Scan and Laboratory Scan.
For single cemented and screwed elements.
For multiple cemented elements.

DIGITAL ANALOGUE

Ti

ML	REF
ZD	0,007

Analog for digital models, specific for applications through the manufacture of models made with 3D printing/prototyping. The characteristic shape with rounded edges, allows easy insertion into the model seat, without interference and friction with the resinous material of the models.
The apical screw allows to always obtain a total working stability.
This prosthetic component must be used through the Libraries.

TI BASE SIRONA

H

*0,008

Ti

H	ML	REF	REF
0,5	Z	0,0Σ9	0,00Σ
1	Z	0,000	0,00Σ
2	Z	0,001	0,00Σ

Digital CAD-CAM and traditional bonding technique.
For single cemented and screwed elements.
For multiple cemented elements.

20Ncm Torque adapter
REF TW0001

MUA BONDING BASE

Ti

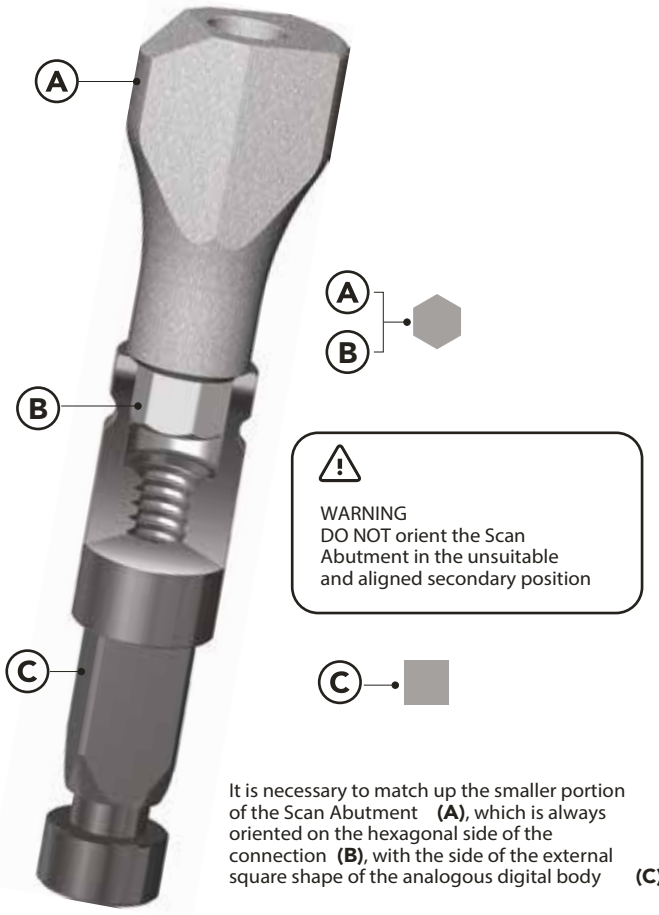
*0,0ΣΣ

ML	REF
ZM	0,0Σ8

Digital CAD-CAM and traditional bonding technique.
For multiple screwed elements on MUA pillar.

20Ncm Torque adapter
REF TW0001

DIGITAL ANALOGUE - INDICATIONS OF USE



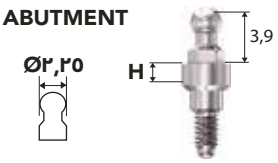
WARNING
DO NOT orient the Scan Abutment in the unsuitable and aligned secondary position

It is necessary to match up the smaller portion of the Scan Abutment **(A)**, which is always oriented on the hexagonal side of the connection **(B)**, with the side of the external square shape of the analogous digital body **(C)**.

OVERDENTURE COMPONENTS – BALL ATTACHMENT

BALL ABUTMENT

Ti5



H	REF
0,5	0,09
1,5	0,10
3	0,11
5	0,12

20Ncm Torque adapter REF RDS225

BALL ABUTMENT O-RING

Ti5

REF
POR225

REF
ORG225

Pack. 10 pcs

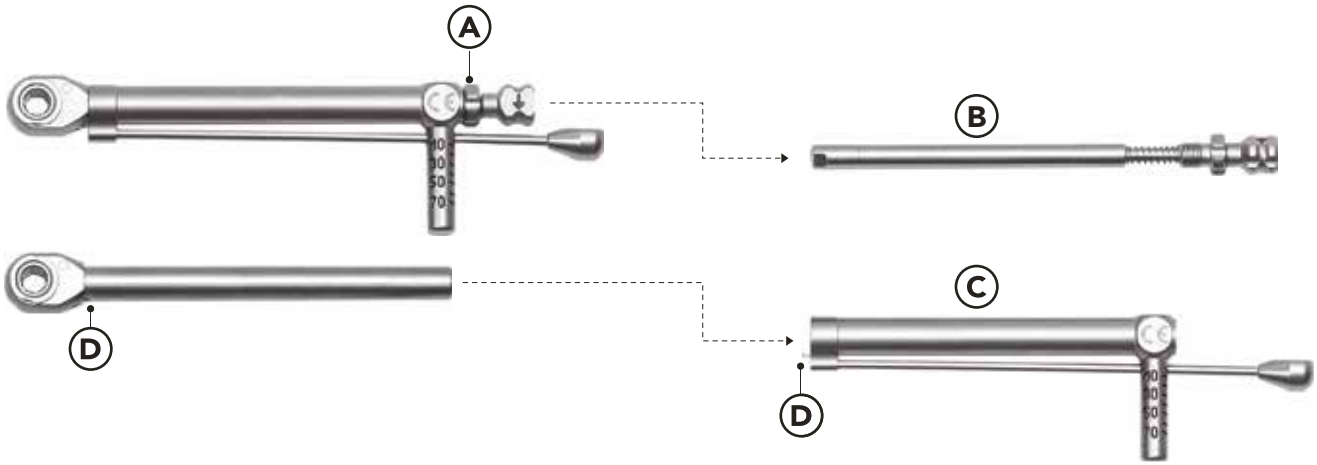
BALL ABUTMENT ANALOG

Ti5

REF
AAF120

RATCHET
CLEANING AND MAINTENANCE

RATCHET
REF ۴۰,۰۰۱



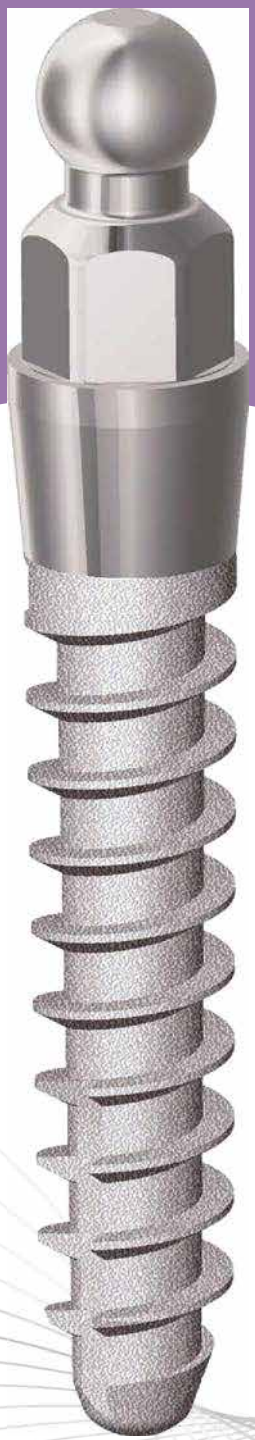
The dynamometric ratchet, after each use, must be disassembled for cleaning. This maintenance operation does not require any tools.

Completely unscrew the screw **(A)**, remove the whole pawl **(B)** and then the flexible dynamometric bar **(C)**. Once disassembled, clean according to the instructions for use and maintenance attached to the device, brush with non-metallic rigid bristles, even in hollow areas with pipe cleaner for a complete removal of biological residues.

Once the cleaning and disinfection phase has been completed, reassemble the ratchet using the reverse disassembly procedure, making sure to match the pin **(D)** in the housing dedicated.

MINI IMPLANT

The MINI IMPLANT system meets the growing clinical need to have small diameter implants for instant stabilisation of total prostheses. Designed for long-term rehabilitation and conceived for excellent clinical results.



EXCELLENT RESISTANCE
The implant is a monocomponent made of Titanium Gr5 for maximum mechanical resistance.

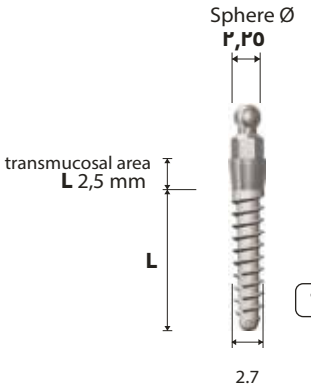
SMALL PROFILE
The diameter (barely 2.7 mm) allows to place the implant in the thin crestal bone to avoid bone regeneration procedures.

MAXIMUM BONE SURFACE CONTACT
The development of implant macrotopography and the clinically tested surface obtained with the BWS ® system ensures excellent primary stability of the device and a high BIC (Bone Implant Contact).

EXCEPTIONALLY EASY
Implant characteristics make the surgical phase very easy. The ergonomics of supplied components facilitate prosthetic procedures. Hence, implants can be inserted and the prosthesis can be stabilised in just one session.

MINIMALLY INVASIVE SURGERY
The dentist can choose whether to insert the implant with a traditional or flapless technique.

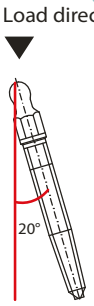
REFERENCE CODES
MINI IMPLANT



Sphere diameter (Ø) mm
Ø 2,20

Ti$_0$

Lenght (L) mm	REF
10	**SPH2V10/S**
11,5	**SPH2V11/S**
13	**SPH2V13/S**



Static load
Breakage at N 1500

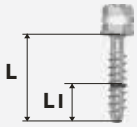
Stress resistance
N 505 x 5,000,000 cycles
No breakages

The tests were performed on devices with Ø2mm to evaluate either the same or higher diameters.

INITIAL CYLINDRICAL DRILL

inox

Lenght (L) mm	REF
2,0	**DRP2..**



TAP

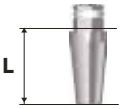
Ti$_0$

Lenght (L) mm	REF
L 10 - **L1** 5	**MSPH2V..**

HANDWHEEL

Ti$_0$

Lenght (L) mm	REF
6	**AMC.17**



IMPLANTS SCREWDRIVERS

inox

Lenght (L) mm	REF
10	**RDS220**

RATCHET

inox

REF
20,001

ABUTMENT

Ti$_0$

REF
PTSPH

BALL ABUTMENT O-RING

Ti$_5$

REF
POR225

REF
ORG225

Pack. 10 pcs

BALL ABUTMENT ANALOG

Ti$_5$

REF
AAF225

Remove the device Mini Implant, which is connected to the plastic cap, from the ampoule by concurrently pulling and gently rotating the cap. (Fig. 14)

Fig.14

Carry the implant into the mouth with the cap/support, and use it to start placing the implant in the osteotomy site. Screw the implant onto the bone until it reaches the stability level that allows to extract the support from the device by pulling upwards. (Fig. 15)

Fig.15

Complete the insertion of the Mini Implant by using manual key assembled with the dedicated adaptor to screw it on, leaving the entire hexagonal portion that is under the sphere outside the soft tissue. This will prevent the O-RING retention device from causing compression of soft tissues. (Fig. 16)

Other instruments can also be used as an alternative to the pawl. (Fig. 17)

Fig.16

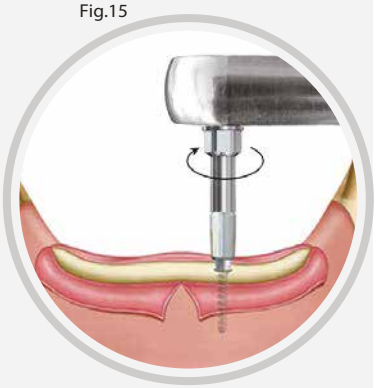


Fig.17

Insertion of the implant must ensure that O-RING retainers are correctly in place. Hence the need to ensure a distance of at least 7mm between the osteotomies. (Fig. 18)

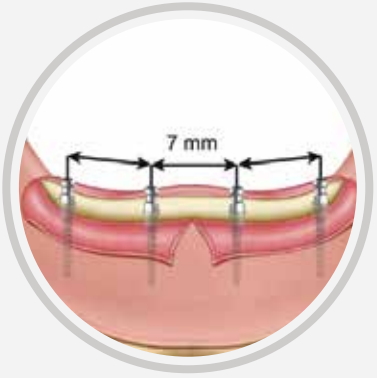


Fig.18

⚠ **Warning** Do not exceed 20 rpm and 55 Ncm of torque when screwing on the implant.

PRELIMINARY INDICATIONS
FOR SURGICAL INSTRUMENT USE

PREVENTION

Besides correct and continuous long-term maintenance, wear and tear of the instruments can also be prevented and slowed down.

In the first place every instrument must only be used for the envisaged and indicated use.

The instruments used must be cleaned immediately after the end of surgery.

Remove residue and encrustations only with soft brushes and NOT with metal brushes.

When envisaged, disassemble the instruments and deeply clean the cavity. The devices must be fully immersed in the most appropriate detergents or disinfectants for the material, and left to rest for a period of time that never exceeds the manufacturer's instructions.

After disinfecting them, rinse thoroughly with water and dry the devices with a clean and dry cloth. Complete with a jet of compressed air.

CLEANING PHASES

PACKAGING AND STERILITY

- ORA Implant tools are supplied as non sterile in heat -sealed Pouches in containing the leaflet.
- ORA Implant tools can be used again and therefore it has to be washed and sterilised prior to their usage.

Dental Tech validated the following cleansing and disinfection method:

MANUAL CLEANING

- Just after the use of ORA Implant equipment, place the equipment into a container with a peracetic acid based solution at concentration of 2% (NO GLUTARALDEHYDE OR SODIUM HYPOCHLORITE), as long as 18 minutes.
- After-ward rinse carefully.

MANUAL DISINFECTION

- Place the equipment into a container with a peracetic acid based solution at concentration of 4% (NO GLUTARALDEHYDE OR SODIUM HYPOCHLORITE), as long as 15 minutes.
- Rinse generously
- Examine the equipment and make sure there are no organic remains. Carefully scrub the outer parts with a non-metal bristled brush.

MANUAL RINSE

- Place the equipment into ultrasound bath, and wash it for approx. 18 minute and then rinse carefully.

DRY

- Perfectly dry the equipment, seal it individually with material suitable for moist heat sterilisation.

CHECK

After the cleaning phases, check that none of the instruments presents signs of corrosion, contamination or damage. Especially use a magnifying lens to check the most concealed areas, the joints and the handles.

If any contamination is detected, repeat the cleaning procedure.

In case of damage, dispose of the instrument as established by the laws in force for waste management.

STERILISATION

Sterilise in a steam autoclave saturated with distilled water by using a systematically validated and controlled sterilisation method, according to provisions laid down by standard ISO 1:2007-17665 "Sterilisation of healthcare products" (as amended). Requirements for validation and routine control of moist heat sterilisation in healthcare facilities".

- Dental Tech validated the following Autoclave moist heat sterilization cycle:

3 minutes

134 °C

⚠ **Warning** The use of suitable protection during cleaning and sterilisation of contaminated instruments enhances personal safety during these phases.

Since Dental Tech tools are manufactured in different materials, they shall be washed and sterilized one by one.

PRESERVATION

After the sterilisation phase, the instruments must be preserved in the sterilised package in a dry, dust-free place, far from heat sources. The bags must only be opened before use.

The storage period of sterilised items must not exceed the period recommended and indicated on the bag.

DISPOSAL PROCEDURES

At the end of its life the medical device must be disposed of according to the methods established by national laws in force for waste management.

INSTRUMENTS FOR SURGERY
WARNINGS AND LEGENDS

INSTRUMENT FOR SURGERY

The surgical instrumentation of the Dental Tech Implant System is simple and essential, responding to every clinical need and treatment protocol. All drills and components are laser marked, to allow preparation of the implant site correctly to the established depth, and a predictable and safe positioning of the implant. The instruments are available individually or in sets with different types of surgical kit.

HOW TO USE THE SURGICAL INSTRUMENTS

So as not to cause mechanical and/or thermal damage to bone tissue in the zone in which the implant is to be inserted, and to obtain a congruous surgical site (indispensable to achieving good osseointegration of the implant) some fundamental rules must be respected:

- Use drills with gradual diameter progression: the same instruments must not be used for more than 25 osteotomies;
- Do not exceed 800 RPM during the osteotomy;
- Do not exceed 20 RPM in the event of tapping with the contra-angle;
- Ensure, during the osteotomy, that the instruments work in axis;
- Do not exert lateral pressure during the osteotomy and tapping;
- The osteotomy must be performed exercising light pressure and back and forth movements on the axis of the instrument;
- Use generous irrigation with physiological solution, both during drilling and tapping of the surgical site;
- Ensure that during the intervention the irrigation canals of the instruments are clear;
- Avoid categorically, during surgery, the cooling of instruments and the implant site with the air-water syringes tips.

NON-ROTATING INSTRUMENT

The non-rotating instrument is compatible with all Dental Tech implant systems.

WARNINGS

RESPONSABILITY The use of non-original components, produced by third-parties may compromise the functionality of the implants and their elements, compromising the final result and voiding the guarantee of the manufacturer. The application of the product occurs outside the control of Dental Tech and is the sole responsibility of the end user. We accept no liability for any damage resulting from such activities.

INSTRUCTIONS FOR USE These are to be considered solely as recommendations. This information is not sufficient and does not exempt the user from ensuring the adequacy of the product for its intended use through continued training.

VALIDITY This nullifies all previous versions. The images, the content and the products illustrated are subject to modification without warning.

MATERIALS LEGEND

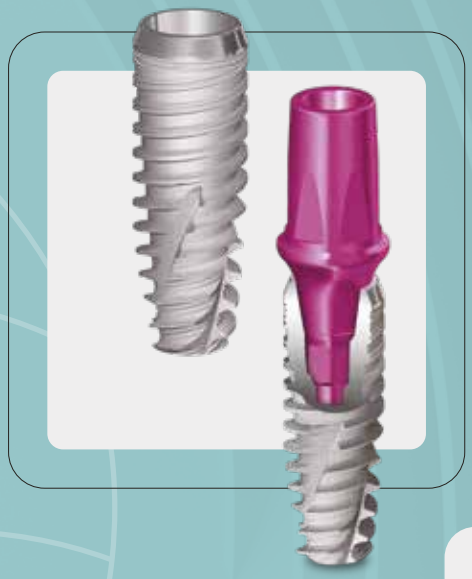
Au	Gold Alloy
inox	Surgical Stainless Steel
Peek	Polyetereeterechetone
Pmma	Polymethylmethacrylate
Ti_0	Titanium gr.V ELI for medical use
Plastic	Polymer

PACKAGING SYMBOLS LEGEND

LOT	Lot number
STERILE R	Sterilized by gamma rays
NON STERILE	Not sterile
REF	Product code
RIUTILIZZABILE	Reusable
	Use by
	Non-reusable
	Attention, consult the supplied documentation
CE	Directive 94/93/CEE conformity mark
CE ۰۱۲۳	Notified body identification

IMPLANT LINE

IMPLASSIC FTP



CONTENT INDEX

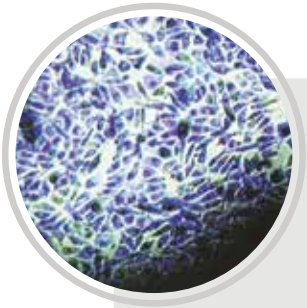
ora
Dental Implant

BWS®

a surface with over 20 years of history

CONSTANT OVER TIME

The capacity of **BWS®** to **retain fibrin**, lets osteoblasts migrate from the bone to the implant surface and reproduce there, **generating new bone** in direct contact with the titanium (contact Osseointegration).



20 µm

SEM HV: 20.00 kV
SEM MAG: 4.82 kx
WD: 10.6470 mm
Det: SE Detector
View field: 62.05 µm

VEGA\\TESCAN Dental Tech

Bone tissue grown in direct contact with the surface **BWS®**

The process of sandblasting and acid etching the implant surface makes it possible to obtain **optimal values of roughness** creating the strongest fibrin adhesion to the surface and facilitating the bone healing process by **significantly reducing the time.**

2µm

EHT=18.00 kV WD=13 mm Mag=6.50 K X
Photo No.=6159 Detector= SE1

After the surface treatment and the classic washings, Dental Tech implants are additionally cleaned with **Argon Cold Plasma** to minimize carbon contamination. Subsequently, minute controls are performed on the fixture with **scanning electron microscopes (SEM).**

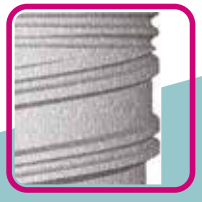
BWS®

- Packaging in controlled environments
- Clean room ISO 7
- Packaging impermeable to micro-organisms
- Gamma ray sterilisation process guarantee the creation of products that are extremely safe for users and their patients

TECHNICAL FEATURES

Conometric connection at 6 °, with hexagonal position index and screw through, extremely precise and stable.

Smooth collar 0,75mm. The eccentric course between implant and connection diameter offers an anatomical path to the prosthetic component.



The geometric peculiarity of the cortical spiral allows to obtain an high primary stability, even in the presence of a few millimeters of bone.

Thanks to the flat shape of the central loop, the FTP implant allows the condensation of the bone matrix during the insertion of the fixture.

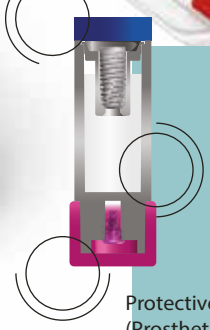
Apical spiral with progressive course allow greater directionality in insertion, in addition to the high primary stability in poor quality bone.

The atraumatic apex, without cutting areas, makes the implant suitable even in cases where it is necessary to safeguard anatomical structures, such as maxillary sinus and alveolar nerve.

PACKAGING

ORA Dental Implant GHBH endosseous implants are supplied in sterile packaging which, if undamaged, guarantees the implant is protected from external agents and, if stored correctly, their sterility.

Protective implant cap supported by a titanium ring. (Surgical colour code)



Transparent ampoule

Protective closure screw cap. (Prosthetic colour code)

SURGICAL PROCEDURE AND REFERENCE CODES

Diameter (Ø) mm **Ø 4,10**

Lenght (L) mm	REF
10	**FTP4V10/SC**
11,5	**FTP4V11/SC**
13	**FTP4V13/SC**
16	**FTP4V16/SC**

Prosthetic colour code
Surgical colour code

Cover screw included

Recommended surgical sequence

DRLNC · DRP200 DRP230 · CPT3747 · DRP310 LOW DENSITY · DRP325 HIGH DENSITY · CTK375 ★

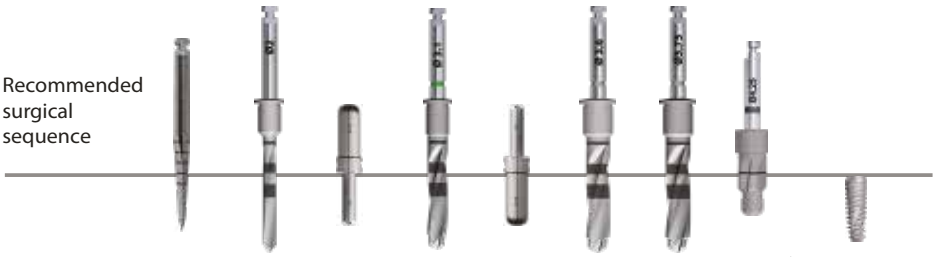
Diameter (Ø) mm **Ø 4,25**

Lenght (L) mm	REF
8	**FTP425A/SC**
10	**FTP4251/SC**
11,5	**FTP4511/SC**
13	**FTP4513/SC**
16	**FTP4516/SC**

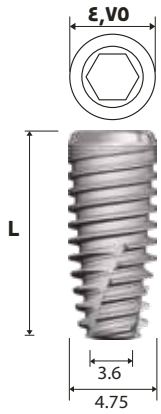
Prosthetic colour code
Surgical colour code

Cover screw included

Recommended surgical sequence



DRLNC · DRP200 DRP230 · CPT3747 · DRP310 · CPT3747 · DRP360 LOW DENSITY · DRP375 HIGH DENSITY · CTK425 ★



Diameter (Ø) mm **Ø 4,50**

Lenght (L) mm	REF
8	**FTP45A/SC**
10	**FTP451/SC**
11,5	**FTP4511/SC**
13	**FTP4513/SC**

Prosthetic colour code
Surgical colour code

Cover screw included

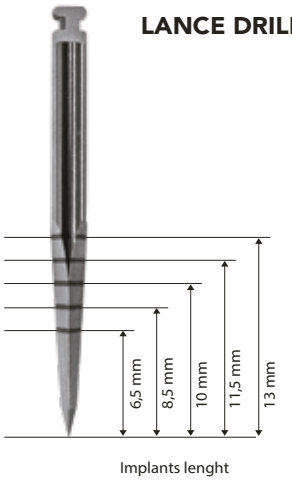
Recommended surgical sequence

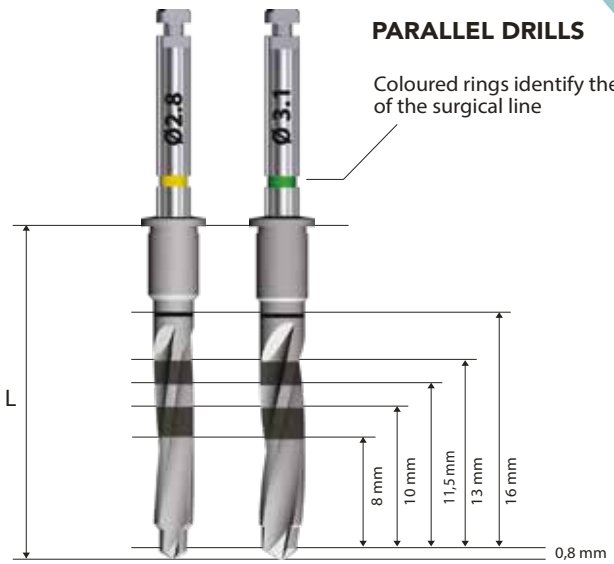
DRLNC · DRP200 DRP230 · CPT3747 · DRP310 · CPT3747 · DRP410 LOW DENSITY · DRP425 HIGH DENSITY · CTK475 ★

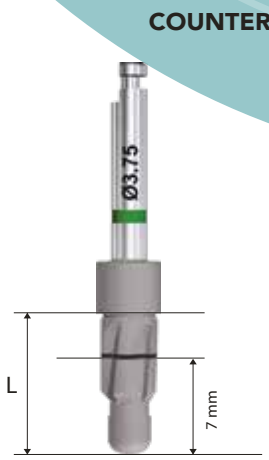
★ It is reccomanded if the cortical bone is very persistent.

Warning All DRP drills are 0,8 mm longer than the implant. In the planning stage and while drilling in proximity to vital anatomical structures, this added length must be considered.

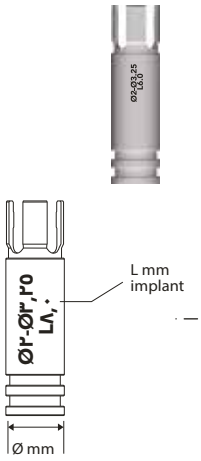
READING DEPTH NOTCHES AND SHARP DRILLS







DRILL STOP



Diameter (Ø) mm
Ø ε,0

Stop

Lenght (L) mm	REF
6	STCr0·7
7	STCr0·V
8	STCr0·Λ
10	STCr0I·
11,5	STCr0II
13	STCr0IM
16	STCr0I7

Ti$_0$

inox

Lenght (L) mm
L MM

Parallel Drill

Diameter (Ø) mm	REF
2.0	DRPM··
2.3	DRPMM·
2.8	DRPMΛ·
3.1	DRPMI·
3.25	DRPMMO

Diameter (Ø) mm
Ø 0,0

Stop

Lenght (L) mm	REF
6	STCrε·7
7	STCrε·V
8	STCrε·Λ
10	STCrεI·
11,5	STCrεII
13	STCrεIM
16	STCrεI7

Ti$_0$

inox

Lenght (L) mm
L MM

Parallel Drill

Diameter (Ø) mm	REF
3.6	DRPM7·
3.75	DRPMVO
4.1	DRPεI·
4.25	DRPεMO

STOP INSERTION AND REMOVAL PROCEDURE

STOP **INSERTION**

Hold the drill by the stalk and insert the stop, with the retentive flaps facing towards the drill, until it comes into contact with the metal stop located on the drill itself. (Fig. 3 -2 - 1)

STOP **REMOVAL**

Hold the stop and remove the drill, pulling on the side of the stalk.

CORRECT

Fig.1

Fig.2

Fig.3

STOP **WRONG INSERTION**

The Stop insertion with the wings facing the tip of the drill is incorrect. (Fig. 4)

WRONG

Fig.4

DEPTH STOP FOR DIFFERENT LENGTHS

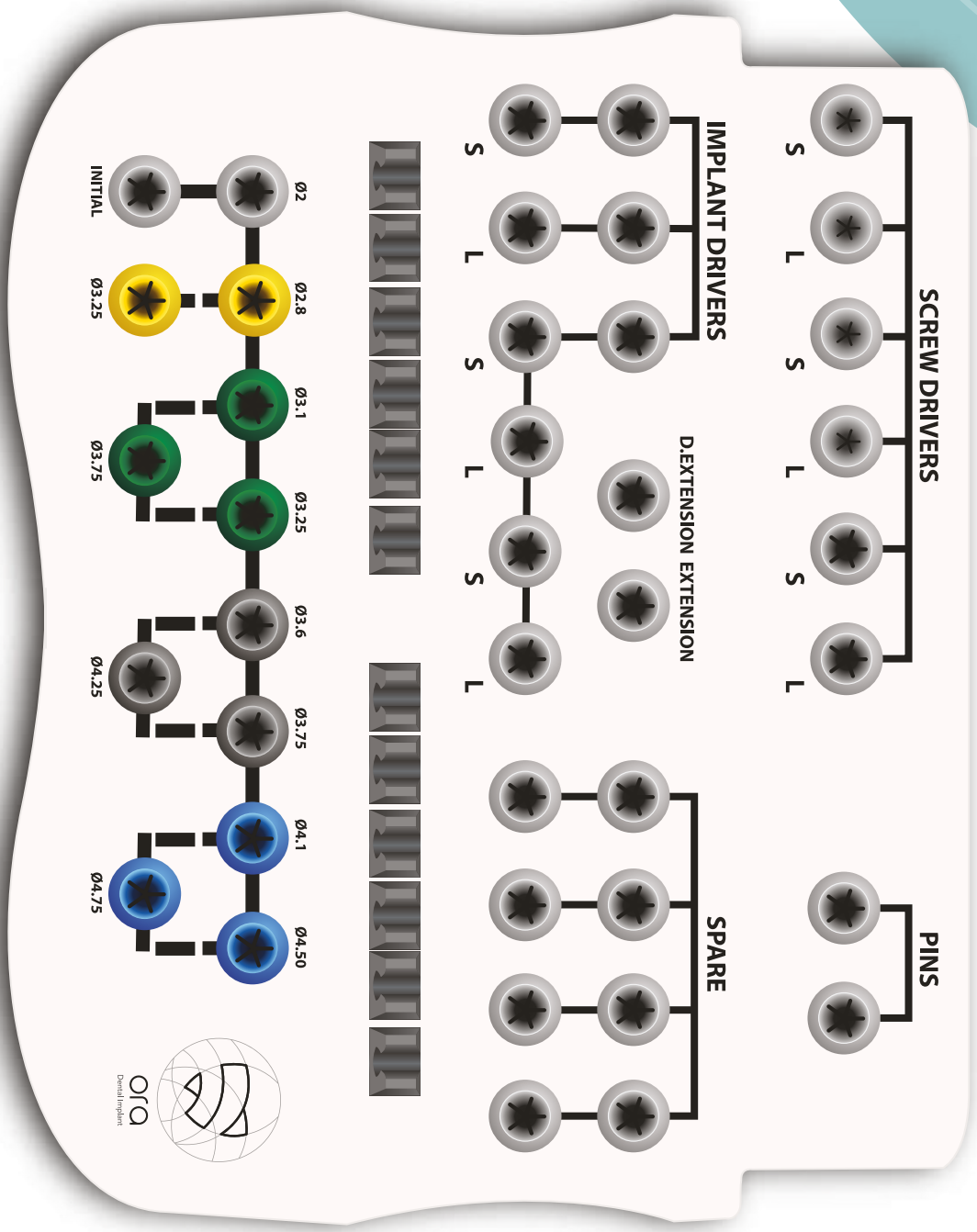
ADVANTAGES

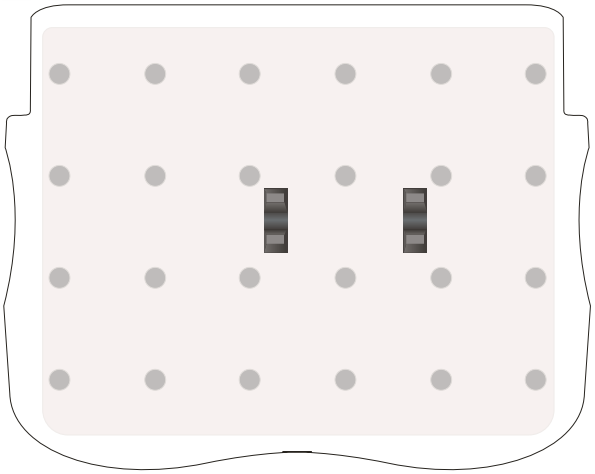
- Optimum control of depth during Preparation of the surgical site, even in conditions of poor visibility in the operative field;
- Reduction of surgical risk;
- Reduction of operator stress;
- Greater patient safety;
- Facilitates the insertion and removal of the drill stop and increased safety during surgery for the doctor and assistant, the cutting portion of the instrument is never touched by the operators.

SURGICAL TRAY - “TRAY IM”

REF **TRAY IM**

DIMENSIONS
176x143 mm - h 63,5 mm





COMPARTMENT INSIDE
DYNAMOMETRIC RATCHET ۲۰,۰۰۱

SURGICAL TRAY - "TRAY M"

(at choice)

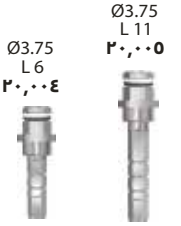
(at choice)

(at choice)

(at choice) (at choice)

(at choice) (at choice)

(at choice) (at choice)



(at choice) (at choice)

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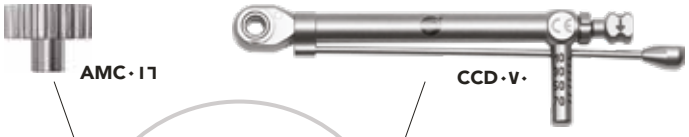
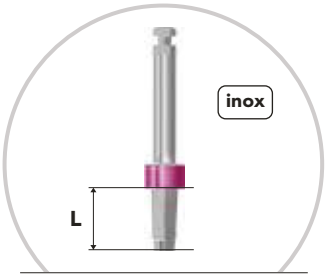
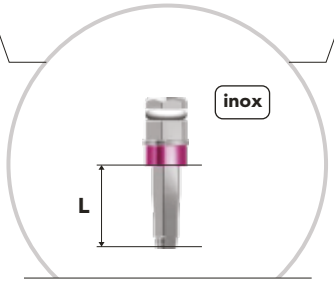
(at choice)

SCREWDRIVERS
FEATURES AND MEASURES





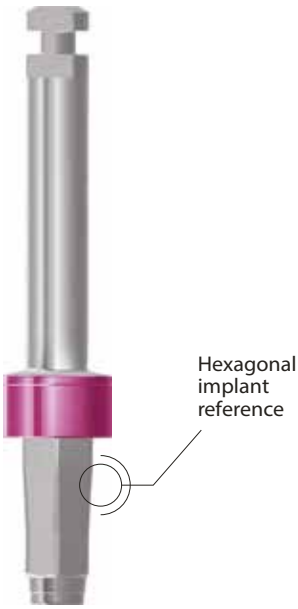
DIRECT MANUAL
CONTRAANGLE SCREWDRIVER



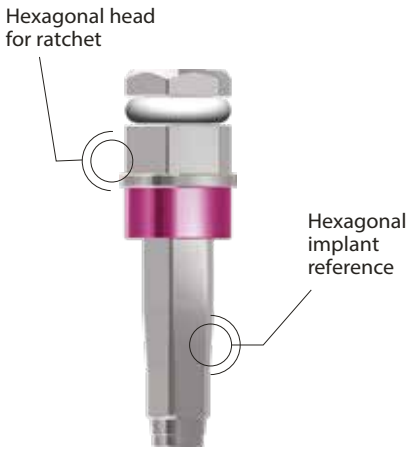
FINAL STEP SCREWDRIVER

L 7,0	REF **ICOFTP1··**	REF **IMAFTP··1** L 8
L 11	REF **ICOFTP2··**	REF **IMAFTP··2** L 12
L 10,0	REF **ICOFTP3··**	REF **IMAFTP··3** L 17,0

L Lenght mm



DIRECT MANUAL CONTRAANGLE SCREWDRIVER



FINAL STEP SCREWDRIVER
It allows the implant removal from the ampoule and its insertion into the surgical site by ratchet or handwheel.

SCREWDRIVERS'
References in millimeters.
Useful for the management of hard and soft tissues in the positioning of the implants.

WITH MANUAL SCREWDRIVER

Insert the screwdriver (IMAFTP001-IMAFTP002-IMAFTP003), connected to the handwheel (AMC016), into the implant making a slight rotation to allow good matching of the two hexagons (implant - screwdriver) and remove the implant. (Fig. 1)

Begin insertion of the implant in the alveolar surgical site using the manual screwdriver. Where bone density permits, it is possible complete insertion of the implant using the manual wrenches. (Fig. 2)

Fig.1

Fig.2

To remove, exercise a slight lateral movement, right and left, in order to free the conometric matching.

WITH DIRECT CONTRA-ANGLE SCREWDRIVER

Insert the direct manual contra-angle screwdriver into the implant with a slight rotating motion to allow the correct coupling of the two hexagons (implant - screwdriver) and remove the implant. (Fig. 3)

Begin insertion of the implant in the alveolar surgery (Fig. 4) after having set the following parameters on the surgical unit:

1) Bi-phase procedure (submerged) RPM 20-15
   Torque max. 40-35 Ncm

2) Monophasic procedure realized with submerged implants and healing screws, with deferred load RPM 20-15
   Torque max. 45-40 Ncm

3) Monophasic procedure with immediate load/prosthesis RPM 20-15 Torque is incremental from 20 to 70 Ncm

If a surgical unit with good torque control is available, both in quantity and quality, it is possible to terminate insertion of the implant with the contra-angle; if the opposite is true, insert the device in the alveolar surgery as long as the power of the machine permits and complete the insertion manually proceeding as follows.

Fig.3

Fig.4

To remove, exercise a slight lateral movement, right and left, in order to free the conometric matching.

FINAL SCREWDRIVER

Ensure that the tool is inserted in the position suitable for screwing and turn until the implant reaches the desired position. (Fig. 5)

Complete the insertion of the implant using the dynamometric wrench connected to the direct screwdriver of the ratchets. At times it is necessary to use the extensions, short REF. PMC115 and long REF. 110026 to connect to the tools described above. (Fig. 6)

Fig.5

Fig.6

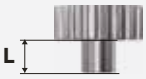
To remove, exercise a slight lateral movement, right and left, in order to free the conometric matching.

Ti

PROSTHETIC EXTRACTOR

Lenght (L) mm	REF
21	**EXPFTP**
28	**EXPFTPL**

HANDWHEEL



Ti

Lenght (L) mm	REF
6	**AMC٠١٦**

DYNAMOMETRIC RATCHET

inox

REF
CCD٠٧٠

ADAPTOR FOR DYNAMOMETRIC RATCHET

inox

ISO connection for ratchet

Lenght (L) mm	REF
7	**ISO٣٧٠**

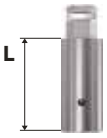
Ti

PARALLEL PIN

REF
CPT٣٧٤٧

RATCHET

REF
PGI١٠٠



inox

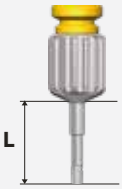
EXTENSION

Lenght (L) mm	REF
7	**PMC١١٥**
12,5	**١١٠٠٣٦**

inox

EXTENSION FOR DRILL

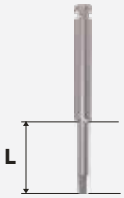
Lenght (L) mm	REF
9	**KI٥٨٩**



inox

HEX SCREWDRIVER

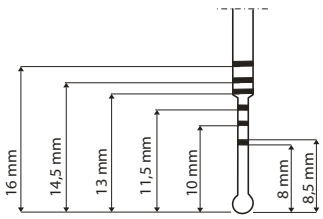
Lenght (L) mm		REF
4,5	Micro	**GMX١٠٠**
11,5	Extra Short	**GMM٣٥٠**
13,5	Long	**٠٠١١٥٣**



inox

HEX CA DRIVER

Lenght (L) mm		REF
8,3	Short	**GCG٠٠٣٤**
14,3	Long	**GCG٠٠٣٠**



Ti

DEPTH GAUGE

REF
٠٠١١٤٠

HEALING ABUTMENT PROSTHETIC CONNECTION

ORA Dental Implant GHBH's FTP implant line offers clinicians **versatility of use** that makes this type of implant suitable for any surgical indication.

The **1° conometric connection**, with hexagonal position index and through screw, allows an accurate and stable matching of the prosthetic components.

Conometric matching at 6° between fixture and abutment, with the presence of a hexagonal index to facilitate the positioning of the abutment.

IMPLASSIC FTP

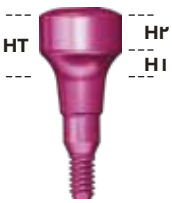
Ø mm	Lenght mm
3.75	16 - 13 - 11,5 - 10
4.25	16 - 13 - 11,5 - 10 - 8
4.75	13 - 11,5 - 10 - 8

Important Warning

Excessive torques can compromise the hexagonal shape of the screws and screwing tools, causing impediments, even irreversible, during operating and prosthetic phases. The recommended tightening torques for the screws are summarized in the following table:

SCREW DESCRIPTION	INSTRUMENT	TORQUE Ncm
Surgical Screw	Manual screwdrivers	manually 10/8Ncm
Healing Abutment	Manual screwdrivers	manually 10/8Ncm
Transfer Screw	Manual screwdrivers	manually 10/8Ncm
Fixing Screw Abutment MUA (M1,4)	Manual screwdrivers	manually 10/8Ncm
Scan Abutment screws	Man ual screwdrivers	manually 10/8Ncm
Fixing Screw Abutment	Adaptor for dynamometric ratchet Contra-Angle Screwdriver	20Ncm

Given the importance of tightening torque, it is recommended to always monitor the perfect functionality of the tightening tools, evaluating carefully the tools and subjecting them to constant maintenance.
It is always recommended to start thigtening the screws using manual screwdrivers and, only for the determination of the correct tightening torque, for screws that have a specific torque, use the appropriate tools to impress the indicated torque.



ANATOMIC HEALING ABUTMENT

Height (HT) mm	H1	H2	REF
4	2	2	**VGFTPE·0·**
6	3	3	**VGFTP1·0·**

Ti_0

CYLINDRICAL HEALING ABUTMENT

Height (H) mm	REF
4	**VGFTPH·0E·**
6	**VGFTPH·01·**

Ti_0

COMPONENTS FOR PROSTHETIC CONOMETRY

Ti$_0$

FASTENING SCREW
Included and available as a replacement

REF **VMTP٠٣٧**
Tighten to 20 Ncm

CONOMETRIC ABUTMENT ٠°

Ti$_0$

(HT) mm	REF
١	MTP٣٧١٠
٣	MTP٣٧٣٠

CONOMETRIC ABUTMENT ١٠°

Ti$_0$

(HT) mm	REF	
١	PTP٣٧١١	⬢
١	PTP٣٧١١R	●
٣	PTP٣٧١٣	⬢
٣	PTP٣٧١٣R	●

CONOMETRIC ABUTMENT ٢٠°

Ti$_0$

(HT) mm	REF	
١	PTP٣٧٢١	⬢
١	PTP٣٧٢١R	●
٣	PTP٣٧٢٣	⬢
٣	PTP٣٧٢٣R	●

CONOMETRIC CAP FOR WELDING

Ti$_0$

REF
CPDɛ٠٠

CONOMETRIC CAP FOR AESTHETIC MATERIAL

Ti$_0$

REF
CPP٠٠ɛ

CONOMETRIC TRANSFER SNAP

Pmma

REF
CAI٠00

CONOMETRIC ANALOG

Ti$_0$

REF
AFTPCAP

HEALING ABUTMENTS PROSTHETIC CONOMETRY ABUTMENTS

Pmma

REF
CGD١٠٠

Ti$_0$

FASTENING SCREW
Included and available as a replacement

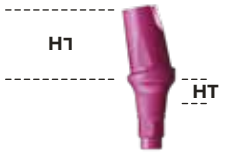
REF **VMTP·۲۷**
Tighten to 20 Ncm

STRAIGHT ABUTMENT SNAP

Ti$_0$

(HT) mm	REF
۲	**PDFTP۱··**
۳	**PDFTP۲··**

ANGLED ABUTMENT ۱۰° SNAP



Ti$_0$

(HT) mm	REF
۲	**PAFTP۱··۱**
۳	**PAFTP۱··۲**

ANGLED ABUTMENT ۲۰° SNAP

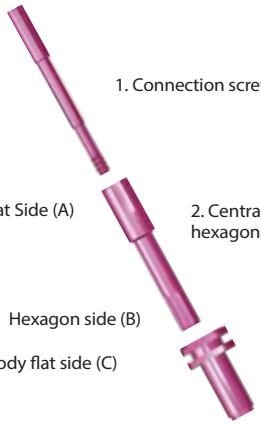
Ti$_0$

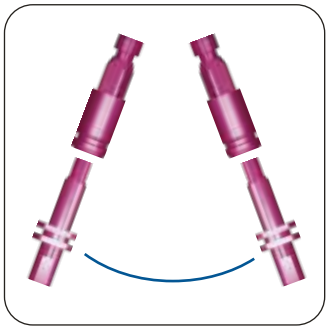
(HT) mm	REF
۲	**PAFTP۲··۱**
۳	**PAFTP۲··۲**

THREE-PART PRECISION TRANSFER FOR PICK-UP TECHNIQUE

Ti$_0$

REF
TPRFTP





Transfer for Pick Up technique. Used with a perforated impression tray, it allows the removal of the central body of the Transfer by extracting the anti-rotation hexagonal connection, in order to facilitate the removal of the impression, in the event of disparallelisms between implants.

Indications Analog alignment:

the flat side (A) is always corresponding to the connection hexagon side (B). For a practical alignment it is recommended to keep the flat side (A) and connection hexagon side (B) in correspondence with the external body flat side (C).

PLASTER ANALOG

Ti$_0$

REF
AGFTP۲۷

TRANSFER SNAP

For PDFTP and PAFTP abutments

Peek

REF
SNAPFTP

Pack. 4 pcs

OVERVIEW PROSTHETIC COMPONENTS

EQUATOR FTP

(HT) mm	REF
٠,0	٠٣٠FTPE٠0
١	٠٣٠FTPE١
٢	٠٣٠FTPE٢
٤	٠٣٠FTPE٤

٣٠ Ncm Torque adapter

KIT SMART BOX

REF
٣٣٥SBC

CAPS ASSORTMENT KIT

REF
١٩٣ECE

VIOLET CAP
GR 2700 (strong)

REF
١٤٠CEV

Pack. 4 pcs

CLEAR CAP
GR 1800 (standard)

REF
١٤٠CET

Pack. 4 pcs

PINK CAP
GR 1200 (soft)

REF
١٤٠CER

Pack. 4 pcs

YELLOW CAP
GR 600 (extra-soft)

REF
١٤٠CEG

Pack. 4 pcs

BLACK CAP FOR LABORATORY

REF
١٤٠CEN

Pack. 4 pcs

STAINLESS STEEL HOUSING

REF
١٤١CAE

Pack. 4 pcs

SMARTBOX HOUSING WITH BLACK CAP

REF
٣٣٠SBE

LABORATORY ANALOG

REF
١٤٤AE

Pack. 2 pcs

IMPRESSION COPINGS NORMAL SIZE – OT EQUATOR

REF
٠٤٤CAIN

Pack. 2 pcs

TRANSPARENT PROTECTIVE DISKS

REF
١٠٠PD

Pack. 10 pcs

Ti$_0$

FASTENING SCREW
Included and available as a replacement

REF **VMTP·۳V**
Tighten to 20 Ncm

ABUTMENT TYPE SIRONA S

HT

Ti$_0$

(HT) mm	REF
·,0	PSFTP·0·
۱	PSFTP۱··
۲	PSFTP۲··

Suitable for digital and traditional bonding technique CAD-CAM. For single screwed elements on the implant. **Portion coronal compatible SIRONA.**

ROTATING ABUTMENT TYPE SIRONA S

HT

Ti$_0$

(HT) mm	REF
·,0	PSFTP·0·R
۱	PSFTP۱··R
۲	PSFTP۲··R

Suitable for digital and traditional bonding technique CAD-CAM. For single screwed elements on the implant. **Portion coronal compatible SIRONA.**

SCAN ABUTMENT SIRONA

Plastica

REF
٦٤۲۲۲۱۱

Pack. 36 pcs

Digital CAD-CAM Intraoral Scan and Laboratory Scan. For single cemented and screwed elements. On SIRONA pillar.

CYLINDER

Ti$_0$

REF
CTFTP٤۲·
CTFTP٤۲·R

CASTABLE ABUTMENT

Pmma

REF
CCFTP۲V·
CCFTP۲V·R

PREMILLED

Ti$_0$

REF
PRML۱۱FTP
PRML۱٦FTP

FASTENING SCREW
Included and available as a replacement

REF **VMTP·۳V**
Tighten to 20 Ncm

The Pre-Milled are indicated to design and carry out customized abutment processing depending on the patient's clinical case. The Dental Technician, through the ORA Libraries, has the possibility to determine the morphology of the abutment with the main CAD Designers. The Pre-Milled are available in 2 diameters (11.5mm and 16mm) for each prosthetic platform, depending on the inclination designed and are compatible with the most widespread attachment-machine on the market.

PROSTHETIC DIGITAL COMPONENTS

SCAN ABUTMENT

✳ **SCAN ABUTMENT SCREW included**

Also available as a replacement.
REF **VFSFTP**

Ti_0

REF
SCANFTP

Digital CAD-CAM Intraoral Scan and Laboratory Scan.
For single cemented and screwed elements - multiple cemented elements.

DIGITAL ANALOG

Ti_0

REF
AGFTPrVDG

Analog for digital models, specific for applications through the manufacture of models made with 3D printing/prototyping. The characteristic shape with rounded edges, allows easy insertion into the model seat, without interference and friction with the resinous material of the models. The apical screw allows to always obtain a total working stability. This prosthetic component must be used through the ORA Libraries.

DIGITAL ANALOG - INDICATIONS OF USE

CORRECT POSITIONING

⚠

WARNING
DO NOT orient the Scan Abutment in the unsuitable and aligned secondary position

It is necessary to match up the smaller portion of the Scan Abutment, which is always oriented on the hexagonal side of the connection, with the side of the external square shape of the analogous digital body.

OVERVIEW PROSTHETIC COMPONENTS FOR TORONTO BRIDGE, SCREWED BRIDGE AND FULL ARCH

ABUTMENT MUA TRANSFER

Ti$_0$

REF
HTMƐ١٠٦

ABUTMENT MUA ANALOG

Ti$_0$

REF
HLM٠٠Ɛ١

PROTECTION CAP MUA

Peek

REF
HPMƐ١٠٠

Pack. 2 pcs

Prosthetic screw NOT included

STRAIGHT ABUTMENT MUA

Ti$_0$

(HT) mm	REF
١,٥	PEFTP١٥٠
٢	PEFTP٢٠٠

ANGLED ABUTMENT ١٧° MUA

Ti$_0$

(HT) mm	REF
٢	PEFTP١٧٢٠
٣	PEFTP١٧٣٠

ANGLED ABUTMENT ٢٠° MUA

Ti$_0$

(HT) mm	REF
٢	PEFTP٢٠٢٠
٣	PEFTP٢٠٣٠

CYLINDER MUA

Ti$_0$

REF
HMT٠٠Ɛ١

Prosthetic screw NOT included

CASTABLE ABUTMENT MUA

Pmma

REF
HMCƐ١٠٠

Prosthetic screw NOT included

PROSTHETIC SCREW

Ti$_0$

REF	
VPCEM	Short
VPLEM	Long

Pack. 2 pcs

ABUTMENT MUA DIGITAL COMPONENTS

SCAN MUA

Ti$_0$

REF
SCANMA

Screw included (REF VPCEM)

Suitable for digital CAD-CAM technique, for intraoral and laboratory scans.
For multiple screwed elements.

DIGITAL ANALOG MUA

Ti$_0$

REF
HLM٠٠Ɛ١DG

Analog for digital models, specific for applications through the manufacture of models made with 3D printing/prototyping. The characteristic shape with rounded edges, allows easy insertion into the model seat, without interference and friction with the resinous material of the models.
The apical screw allows to always obtain a total working stability.
This prosthetic component must be used through the ORA Libraries.

BONDING BASE FOR ABUTMENT MUA

Ti$_0$

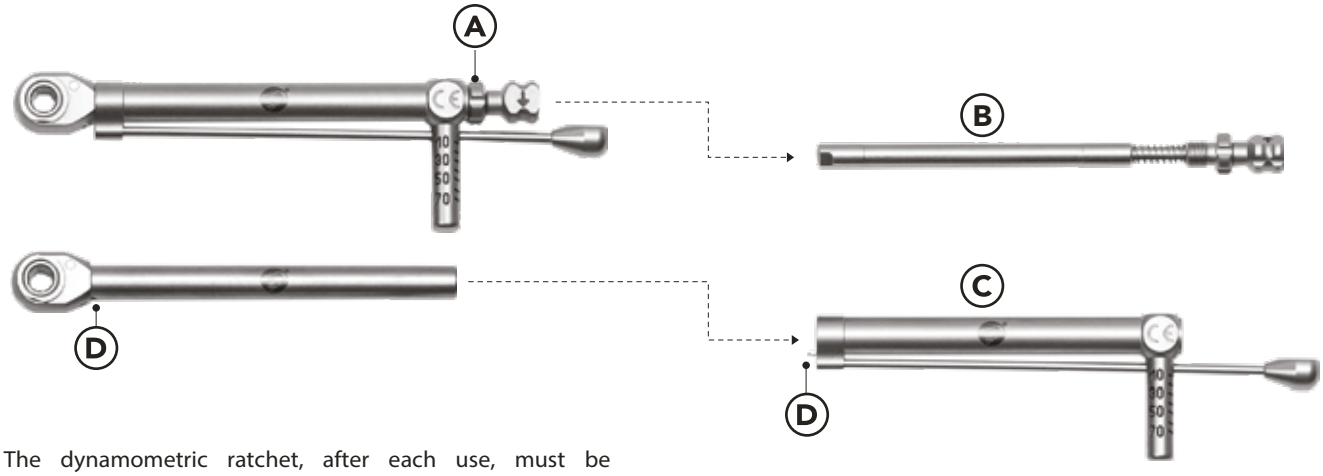
REF
BCMHEX

Suitable for digital CAD-CAM technique, for intraoral and laboratory scans.
For multiple screwed elements.

INSTRUMENTS

DYNAMOMETRIC RATCHET
REF **CCD·V·**

CLEANING AND MAINTENANCE



The dynamometric ratchet, after each use, must be disassembled for cleaning. This maintenance operation does not require any tools.

Completely unscrew the screw **(A)**, remove the whole pawl **(B)** and then the flexible dynamometric bar **(C)**. Once disassembled, clean according to the instructions for use and maintenance attached to the device, brush with non-metallic rigid bristles, even in hollow areas with pipe cleaner for a complete removal of biological residues.

Once the cleaning and disinfection phase has been completed, reassemble the ratchet using the reverse disassembly procedure, making sure to match the pin **(D)** in the housing dedicated.

TIGHTENING TOOLS FOR DYNAMOMETRIC RATCHET

ADAPTOR FOR FASTENING SCREWS

inox

	REF
Short	**TW0001C**
Long	**TW0001L**

OCTA ABUTMENT ADAPTOR

inox

REF
TW··Λ·

ISO CONNECTION FOR RATCHET

inox

Lenght (L) mm	REF
7	**ISOr'v·**

HEX SCREWDRIVER

inox

Lenght (L) mm		REF
8,8	Short	**GCG0024**
14,8	Long	**GCG0030**

PREVENTION

Besides correct and continuous long-term maintenance, wear and tear of the instruments can also be prevented and slowed down.

In the first place every instrument must only be used for the envisaged and indicated use.

The instruments used must be cleaned immediately after the end of surgery.

Remove residue and encrustations only with soft brushes and NOT with metal brushes.

When envisaged, disassemble the instruments and deeply clean the cavity. The devices must be fully immersed in the most appropriate detergents or disinfectants for the material, and left to rest for a period of time that never exceeds the manufacturer's instructions.

After disinfecting them, rinse thoroughly with water and dry the devices with a clean and dry cloth. Complete with a jet of compressed air.

PACKAGING AND STERILITY

- ORA Implant tools are supplied as non sterile in heat -sealed Pouches in containing the leaflet.
- ORA Implant tools can be used again and therefore it has to be washed and sterilised prior to their usage.

Dental Tech validated the following cleansing and disinfection method:

MANUAL CLEANING

- Just after the use of ORA Implant equipment, place the equipment into a container with a peracetic acid based solution at concentration of 2% (NO GLUTARALDEHYDE OR SODIUM HYPOCHLORITE), as long as 18 minutes.
- After-ward rinse carefully.

MANUAL DISINFECTION

- Place the equipment into a container with a peracetic acid based solution at concentration of 4% (NO GLUTARALDEHYDE OR SODIUM HYPOCHLORITE), as long as 15 minutes.
- Rinse generously
- Examine the equipment and make sure there are no organic remains. Carefully scrub the outer parts with a non-metal bristled brush.

MANUAL RINSE

- Place the equipment into ultrasound bath, and wash it for approx. 18 minute and then rinse carefully.

DRY

- Perfectly dry the equipment, seal it individually with material suitable for moist heat sterilisation .

CHECK

After the cleaning phases, check that none of the instruments presents signs of corrosion, contamination or damage. Especially use a magnifying lens to check the most concealed areas, the joints and the handles.

If any contamination is detected, repeat the cleaning procedure.

In case of damage, dispose of the instrument as established by the laws in force for waste management.

STERILISATION

Sterilise in a steam autoclave saturated with distilled water by using a systematically validated and controlled sterilisation method, according to provisions laid down by standard ISO 1:2007-17665 "Sterilisation of healthcare products" (as amended). Requirements for validation and routine control of moist heat sterilisation in healthcare facilities".

- Dental Tech validated the following Autoclave moist heat sterilization cycle:

3 minutes

134 °C

⚠ **Warning** The use of suitable protection during cleaning and sterilisation of contaminated instruments enhances personal safety during these phases.

Since ORA tools are manufactured in different materials, they shall be washed and sterilized one by one.

PRESERVATION

After the sterilisation phase, the instruments must be preserved in the sterilised package in a dry, dust-free place, far from heat sources. The bags must only be opened before use.

The storage period of sterilised items must not exceed the period recommended and indicated on the bag.

DISPOSAL PROCEDURES

At the end of its life the medical device must be disposed of according to the methods established by national laws in force for waste management.

INSTRUMENTS FOR SURGERY
WARNINGS AND LEGENDS

INSTRUMENT FOR SURGERY

The surgical instrumentation of the Dental Tech Implant System is simple and essential, responding to every clinical need and treatment protocol. All drills and components are laser marked, to allow preparation of the implant site correctly to the established depth, and a predictable and safe positioning of the implant. The instruments are available individually or in sets with different types of surgical kit.

HOW TO USE THE SURGICAL INSTRUMENTS

So as not to cause mechanical and/or thermal damage to bone tissue in the zone in which the implant is to be inserted, and to obtain a congruous surgical site (indispensable to achieving good osseointegration of the implant) some fundamental rules must be respected:

- Use drills with gradual diameter progression: the same instruments must not be used for more than 25 osteotomies;
- Do not exceed 800 RPM during the osteotomy;
- Do not exceed 20 RPM in the event of tapping with the contra-angle;
- Ensure, during the osteotomy, that the instruments work in axis;
- Do not exert lateral pressure during the osteotomy and tapping;
- The osteotomy must be performed exercising light pressure and back and forth movements on the axis of the instrument;
- Use generous irrigation with physiological solution, both during drilling and tapping of the surgical site;
- Ensure that during the intervention the irrigation canals of the instruments are clear;
- Avoid categorically, during surgery, the cooling of instruments and the implant site with the air-water syringes tips.

NON-ROTATING INSTRUMENT

The non-rotating instrument is compatible with all ORA implant systems.

WARNINGS

RESPONSABILITY The use of non-original components, produced by third-parties may compromise the functionality of the implants and their elements, compromising the final result and voiding the guarantee of the manufacturer. The application of the product occurs outside the control of ORA and is the sole responsibility of the end user. We accept no liability for any damage resulting from such activities.

INSTRUCTIONS FOR USE These are to be considered solely as recommendations. This information is not sufficient and does not exempt the user from ensuring the adequacy of the product for its intended use through continued training.

VALIDITY This nullifies all previous versions. The images, the content and the products illustrated are subject to modification without warning.

MATERIALS LEGEND

Au	Gold Alloy
inox	Surgical Stainless Steel
Peek	Polyetereeterechetone
Pmma	Polymethylmethacrylate
Ti_0	Titanium gr.V ELI for medical use
Plastic	Polymer

PACKAGING SYMBOLS LEGEND

LOT	Lot number
STERILE R	Sterilized by gamma rays
NON STERILE	Not sterile
REF	Product code
RIUTILIZZABILE	Reusable
	Use by
	Non-reusable
	Attention, consult the supplied documentation
CE	Directive 94/93/CEE conformity mark
CE 0123	Notified body identification

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A. Capri, MD / G. Di Santi, MD / R. Giardino, MD / M. Fini, MD.
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