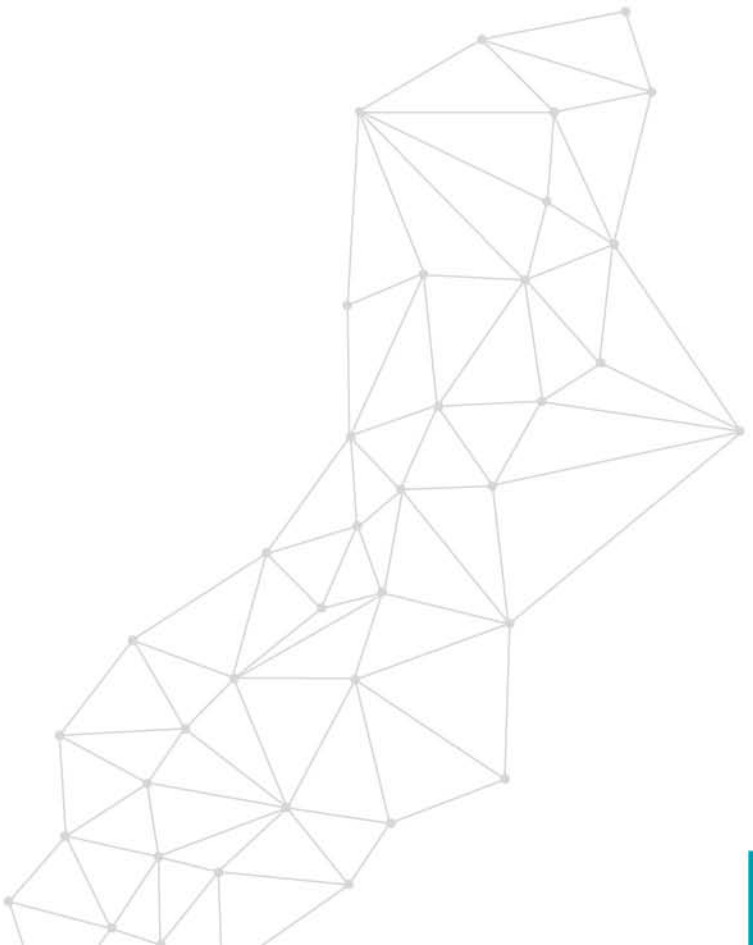
geass

omny

product catalog & surgical manual

Index




stop
15
Equator
omny

Key

Material

Inox	Stainless steel	NY	Nylon	PTFE	Polytetrafluoroethylene
HSS	High speed steel	PA	Polyamide	PP	Polypropylene
Al	Aluminium	PPSU	Polyphenyisulphone	PU	Polyurethane
NBR	Nitrile rubber	PMMA	Polymethylmethacrylate	SI	Silicone
EVA	Ethylene vinyl acetate	POM	Polyoxymethylene	TI	Titanium

Handling instruments


equator


microesam


stepper

Restorative components


engaging


non engaging


Small profile


Large profile

Abbreviations

H Height

ø Diameter

L Length

The measurements shown in the catalog are expressed in mm.
The images shown are exclusively representative of the products.

omny

Simply, everything

Omny has been designed specifically to facilitate your team in the development of implant-prosthesis rehabilitations, from the most simple to the most complex ones.

Simplicity

One connection: same implant seat for all implants, with optimal characteristics to reduce peri-implant bone resorption.

Simple protocol: a few surgical steps, no tapper, control of the osteotomy thanks to the drill stops.

Direct and rapid positioning: rapid insertion, without mounting device and with a single insert for all implants.

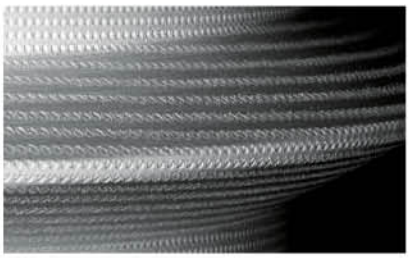
Completeness

Wide range: diameters and lengths to tackle any clinical need.

Two profiles for restoration, to better reproduce the characteristics of the natural element.

Complete prosthetic solutions, going from classic components to more innovative ones, specific to cemented, screwed, hybrid and CAD-CAM techniques.

Innovation



Synthegra is the patented laser implant surface by Geass, which acts in two ways: it **reduces the risks of peri-implantitis infection** and, at the same time, **promotes osseointegration**. In fact:
- it is a smooth surface, able to obstacle bacterial adhesion;
- it behaves like a rough surface, favoring osseointegration.

CAD–CAM Performa: an innovative solution which, thanks to a unique technology, integrates the **advantages of milling**, used to reproduce the profiles of the anatomical part freely, with those **of machine turning**, used to obtain precise and repeatable implant connections.
Various solutions in several types of **Zirconia, PMMA** and **laser melting** complete the Performa offer.

Affordability

Multifunction component: included in the implant pack, can be used as a coping, temporary or definitive abutment.

Essential kit: reduced number of instruments.

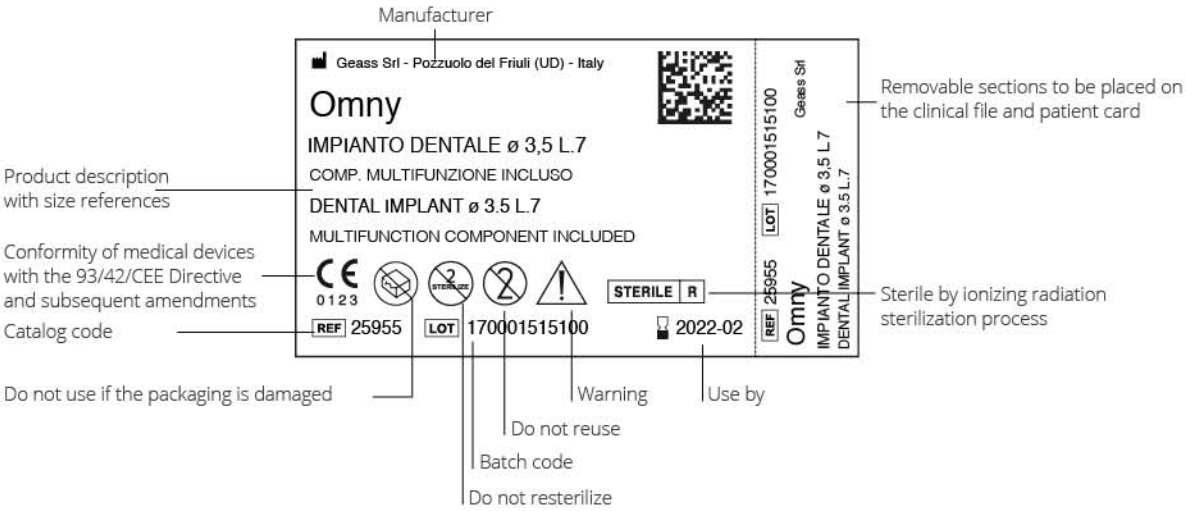
Value for money to optimize the practice's resources.

Thanks to unique features, Omny is an excellent solution which answers the growing requirements of patients, who are looking for functional and esthetic rehabilitions in short time and with reduced costs.

Packaging

The implants Omny are packed in a blister in PETG and Tyvek to guarantee sterility; at the back of each blister an informative label is placed and the blister is contained in a box which shows the same informative label.
The integrity of the packaging is guarantee by the sealing sticker, which also indicated diameter and length of the implant.
Besides the implant, each package contains:
- cover screw of the implant;
- multifunction component;
- short screw and long screw for the multifunction component.

Label



Sterilization

The implants are sterilized with ionizing radiation according to the protocol validated based on current regulations.
All of the other products are supplied decontaminated in non sterilizable packaging.

implants

Implants

ø 3.5

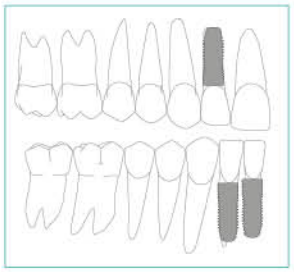
L	
7	25955
8.5	25956
10	25957
11.5	25958
13	25959
15	28190

Ti

ø 3.5 XL

L	
7	27729
8.5	27730
10	27731
11.5	27732
13	27733
15	28157

Ti



ø 4.1

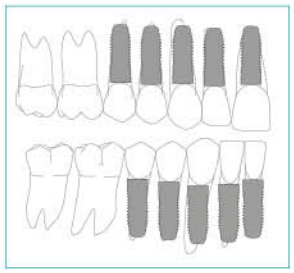
L	
7	25960
8.5	25961
10	25962
11.5	25963
13	25964
15	28193

Ti

ø 4.1 XL

L	
7	25965
8.5	25966
10	25967
11.5	25968
13	25969
15	28196

Ti



ø 4.6

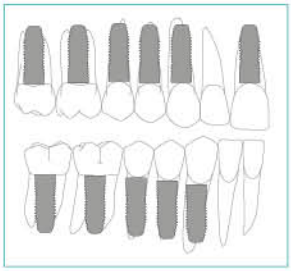
L	
7	28100
8.5	28103
10	28106
11.5	28109
13	28112
15	28115

Ti

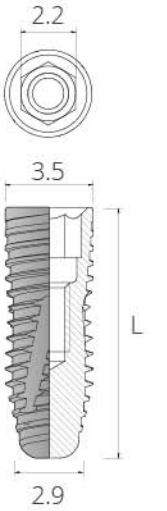
ø 4.6 XL

L	
7	28608
8.5	28611
10	28614
11.5	28617
13	28620
15	28623

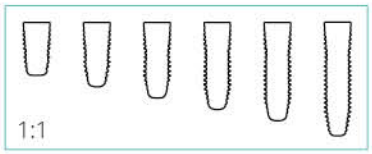
Ti

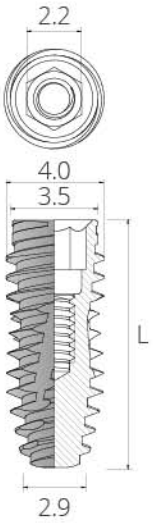


! The XL Omny implants are not to be used in D1 bone

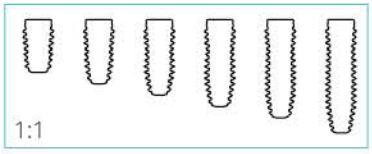


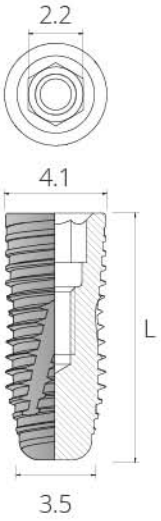
ø 3.5



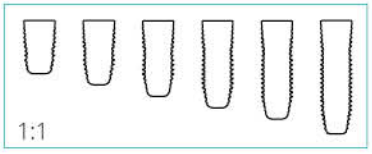


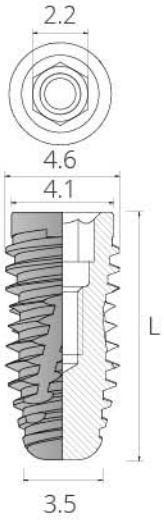
ø 3.5 XL



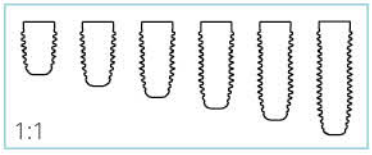


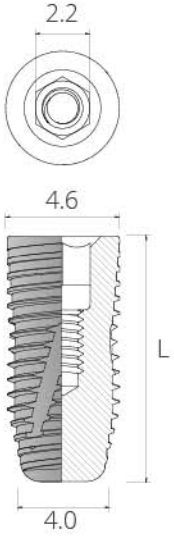
ø 4.1



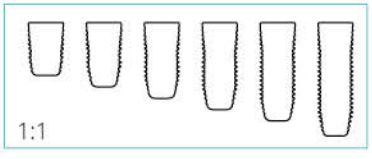


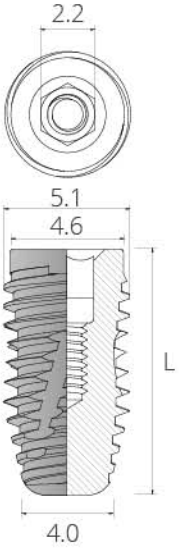
ø 4.1 XL



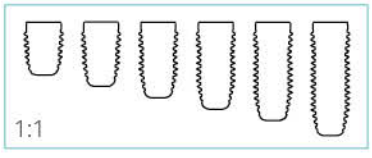


ø 4.6





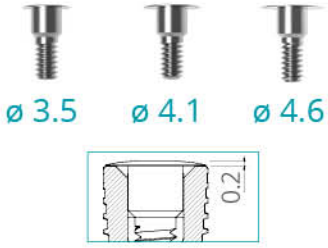
ø 4.6 XL



Cover screw

Supplied with the implant, it seals the implant seat during the healing phase.

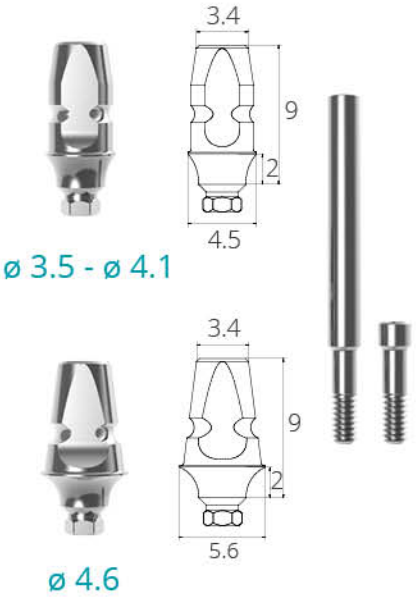
Ti 15 N•cm



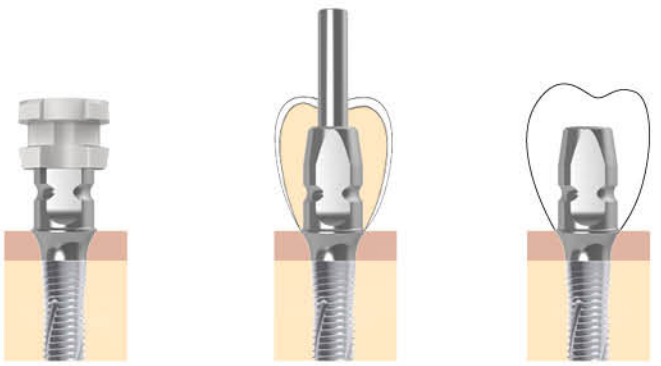
Multifunction component

Included in the implant pack, screws included.

Ti 15 N•cm 25 N•cm if used as definitive abutment



The multifunction component can be used as a coping (standard impression tray), temporary or definitive abutment.
Supplied with the long screw for the preparation of the temporary restoration and short screw to be used in all other cases.



coping temporary definitive

Surgical protocol

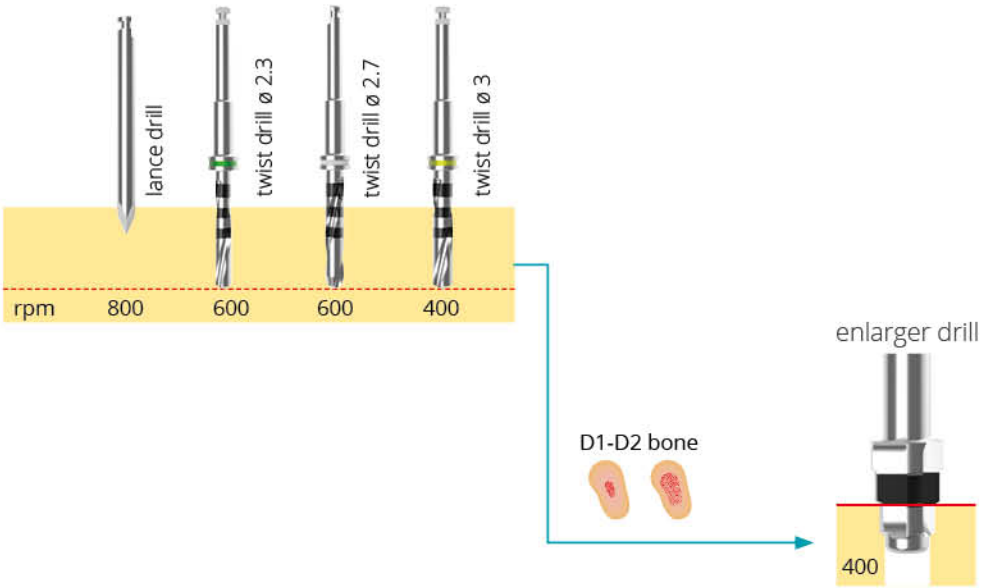
Preparation of the implant site

The modalities and instruments for the preparation of the implant site depend exclusively from the diameter of the implant and the type of bone.*.

! In case of **compact bone**, or when the implant insertion torque exceeds 50 **Ncm**, it is necessary to proceed with an additional widening of the hole to be performed with the **enlarger drill**.
The use of XL implants is not foreseen in case of bone D1.

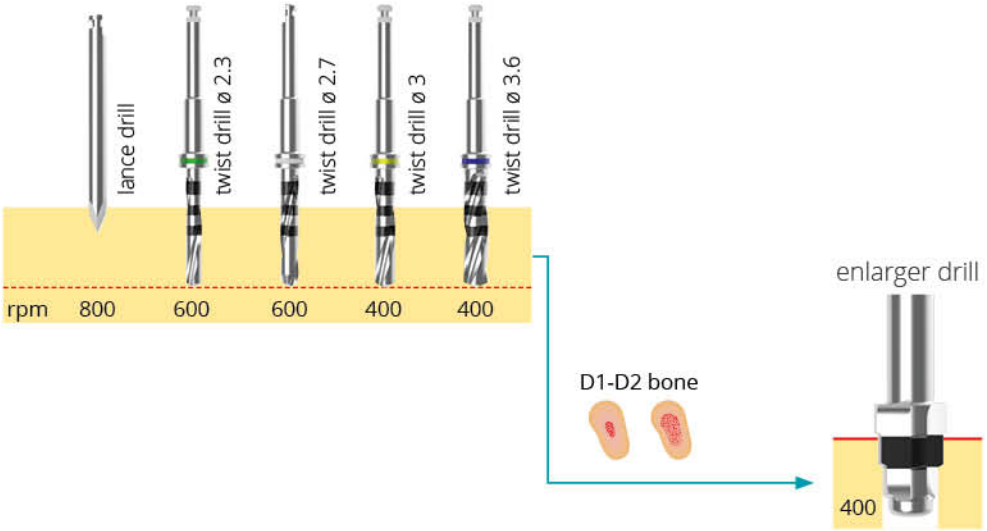
*The classification is the one created by Misch (Bone character: second vital implant criterion, Dent Today 7:39-40,1998), which distinguishes four types of bone density based on the macroscopic characteristics of the cortical and trabecular bone of the edentulous portion to be treated.

Surgical sequence ø 3.5 - ø 3.5 XL



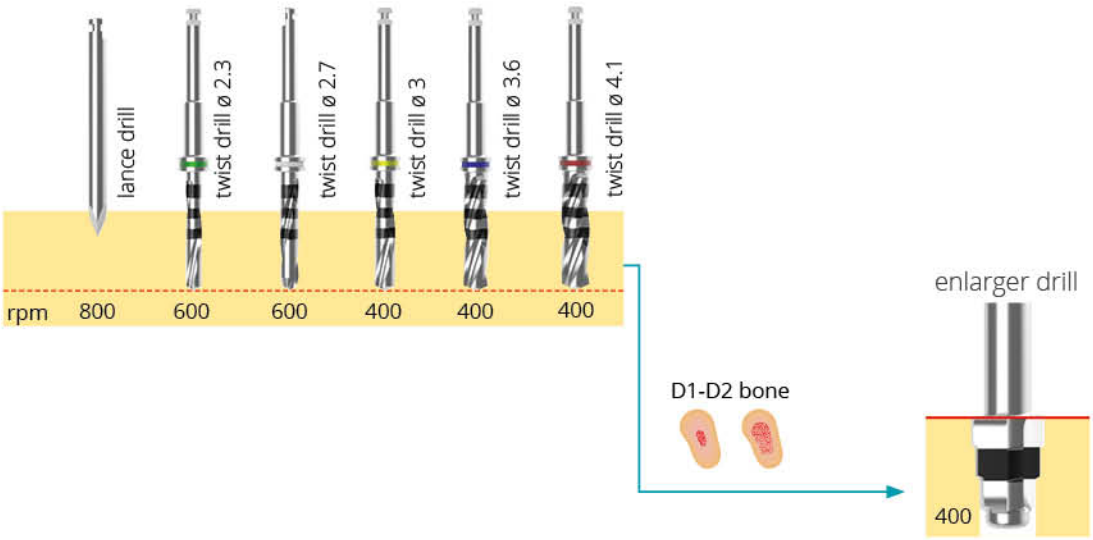
! In case of **compact bone**, or when the implant insertion torque exceeds 50 **Ncm**, it is necessary to further widen the hole with the **enlarger drill**, sinking it up to the beginning of the mark.
This avoids eccessive compression of the tissues at crest level.

Surgical sequence ø 4.1 - 4.1XL



! In case of **compact bone**, or when the implant insertion torque exceeds 50 Ncm, it is necessary to further widen the hole with the **enlarger drill**, sinking it up to the mark.

Surgical sequence ø 4.6 - 4.6XL



! In case of **compact bone**, or when the implant insertion torque exceeds 50 Ncm, it is necessary to further widen the hole with the **enlarger drill**, sinking it for the entire working part.

Removal of implant

Touch&go

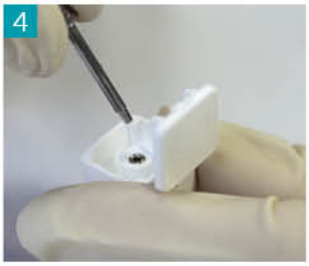
The touch&go functional solution is an innovative system which allows for the **removal of the implant in a rapid and sure** fashion without compromising its sterility.
Its special ergonomics allows you to block the implant in place, facilitating coupling between the implant seat and the insert.

1 Before **opening the implant packaging**, check on the label on its back that the diameter and length measurements of the implant are suitable to the intervention. Opening of the blister must be carried out according to the clinician's own procedure to **maintain sterility**.

2 **Keep touch&go in a vertical position and remove the upper part** which contains the cover screw.

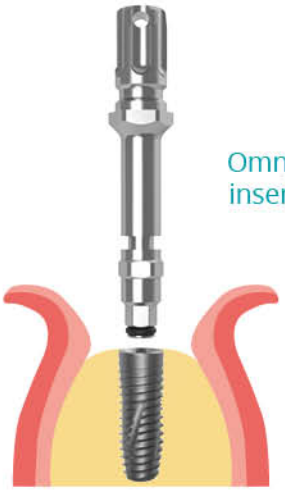
3 **Press the extruding parts** so that the two titanium sheets move towards each other, always keeping touch&go in a vertical position; in this way the implant is stable and can be removed using the Omny **insert or driver**. Once the tip has coupled with the implant, **remove the implant** while slightly releasing the touch&go.

4 **Remove the cover screw** contained in the upper body of the touch&go using the Microesam driver or insert.



Omny implant insertion

Manual insertion

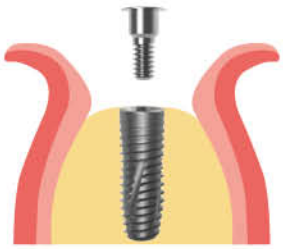


Remove the implant from the touch&go holder using the spanner with Omny insert.
Insert it into the implant site and **complete the insertion of the implant** at crest level.

Insertion with micromotor

Remove the implant from the touch&go holder using the Omny driver.
Insert it into the implant site and complete the insertion of the implant at crest level; keep below 15 rpm and do not exceed the torque of **50 N•cm**.

Tightening of the cover screw



Microesam
instruments

Remove the cover screw from the **upper part of the touch&go** holder, using a spanner with the **Microesam tip**.
After having cleaned the implant seat, tighten the cover screw, with a maximum torque of **15 Ncm**.

Surgical organizer

PPSU SI

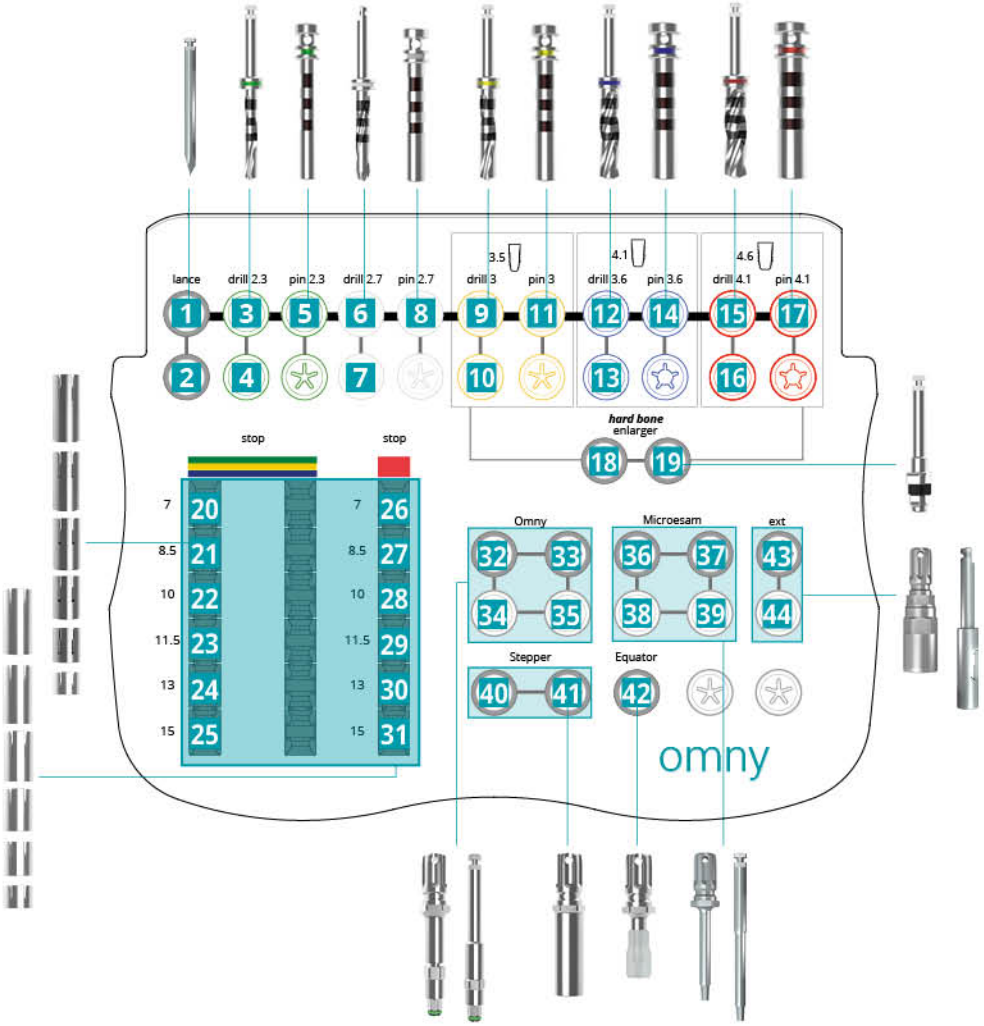
Instruments not included 30168

Organizer, made up of two elements, containing the surgical and restorative instruments of the Omny implant system in an organized manner.
In the tray there are the rotary instruments and the inserts, on bottom wrenches are accomodated. Once open, the tray remains inclined for an easy access to the instruments; beneath the tray there are non-slip silicone feet.
Produced in plastic material, it is **autoclavable**.
Supplied with x-ray template.

Products of the line Omny which can be hosted inside the kit.

1	Lance drill ø 2.3 short	11664
2	Lance drill ø 2.3 long	11665
3	Twist drill ø 2.3 short	25734
4	Twist drill ø 2.3 long	25743
5	Indicator pin ø 2.3	25946
6	Twist drill ø 2.7 short	29210
7	Twist drill ø 2.7 long	29212
8	Indicator pin ø 2.7	29328
9	Twist drill ø 3 short	25737
10	Twist drill ø 3 long	25746
11	Indicator pin ø 3	25949
12	Twist drill ø 3.6 short	25740
13	Twist drill ø 3.6 long	25749
14	Indicator pin ø 3.6	25975
15	Twist drill ø 4.1 short	28120
16	Twist drill ø 4.1 long	28122
17	Indicator pin ø 4.1	28149
18	Enlarger drill short	28125
19	Enlarger drill long	28128
20	Drill stop - implant L 7	25931
21	Drill stop - implant L 8.5	25934
22	Drill stop - implant L 10	25937
23	Drill stop - implant L 11.5	25940
24	Drill stop - implant L 13	25943
25	Drill stop - implant L 15	28097

26	Drill stop - implant ø 4.6 L 7	28131
27	Drill stop - implant ø 4.6 L 8,5	28134
28	Drill stop - implant ø 4.6 L 10	28137
29	Drill stop - implant ø 4.6 L 11.5	28140
30	Drill stop - implant ø 4.6 L 13	28143
31	Drill stop - implant ø 4.6 L 15	28146
32	Omny insert - short	25809
33	Omny insert - long	25812
34	Omny driver - short	25803
35	Omny driver - long	28940
36	Microesam insert - short	11655
37	Microesam insert - long	11656
38	Microesam driver - short	11657
39	Microesam driver - long	11658
40	Stepper insert - short	10473
41	Stepper insert - long	10474
42	Equator insert	26496
43	Drill extension	28450
44	Insert extension	21126
45	I-Move screwdriver	14242
46	Newton adjustment key	-
47	Newton wrench	26870
48	Insertion-extractor tool Equator	26868
49	Depth probe	29993


lance
drill 2.3
pin 2.3
drill 2.7
pin 2.7
3.5
drill 3
pin 3
4.1
drill 3.6
pin 3.6
4.6
drill 4.1
pin 4.1
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
hard bone
enlarger
18
19
stop
stop
7
8.5
10
11.5
13
15
20
21
22
23
24
25
26
27
28
29
30
31
Omny
Microesam
ext
32
33
34
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38
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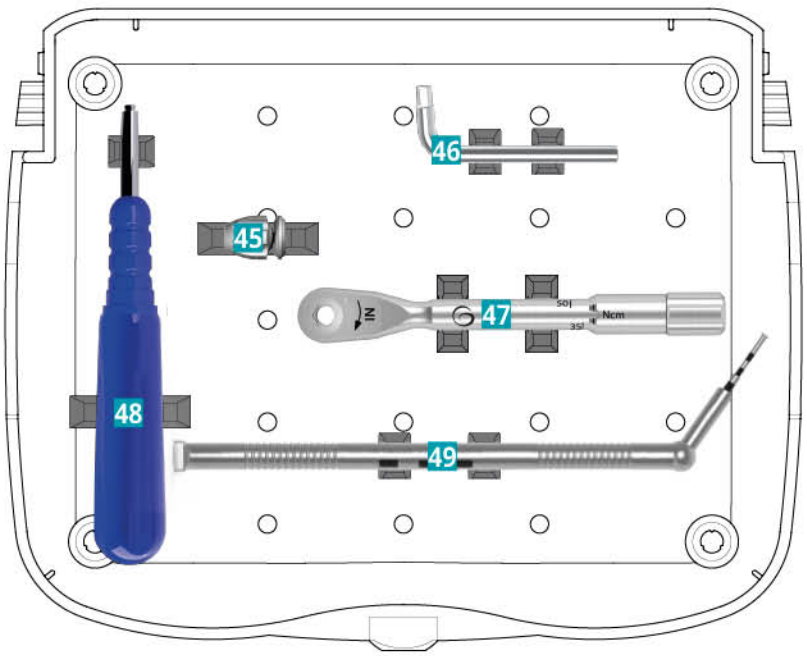
43
44
Stepper
Equator
40
41
42
omny


46
45
47
Ncm
48
49

Drills

The **visual references** present on the drills allow you to evaluate the depth drilled based on the length of the implant chosen.
The drilling phases must be carried out with **an up and down movement, without exceeding the maximum speed** indicated in each phase of the protocol.
Do not use drills which result as damaged, are not sharp or which have been used for more than 20 applications in order to reduce risks of overheating and bone trauma which may compromise the osseointegration process.

Lance drill

Inox

	short	11664
	long	11665

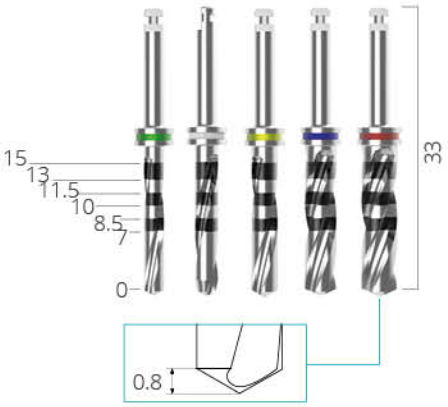
This creates a **niche on the cortical** bone for the subsequent drills. It creates a **precise entrance point** thanks to its perfect centering and excellent stability. The depth should not exceed 2 mm.

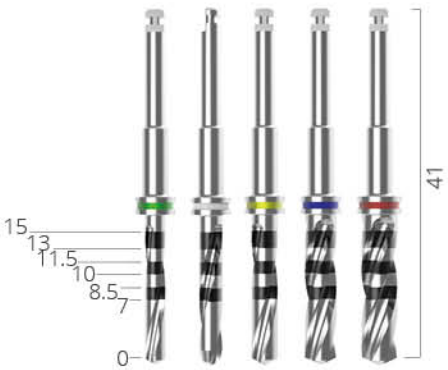
Twist drill

Inox

new

	ø	L	
	2.3	short	25734
	2.3	long	25743
	2.7	short	29210
	2.7	long	29212
	3	short	25737
	3	long	25746
	3.6	short	25740
	3.6	long	25749
	4.1	short	28120
	4.1	long	28122





This prepares the implant site based on the length of the chosen implant. **The measurements indicated by the notches do not include the tip of the drill**, about 0.8 mm. It is therefore advisable to consider this difference when planning the perforation phases.

Drill stop

Inox

	Implant length					
	7	8.5	10	11.5	13	15
■ ■ ■ ■	25931	25934	25937	25940	25943	28097
■	28131	28134	28137	28140	28143	28146

The mechanical stops are to be inserted on the twist drills to guarantee maximum safety for the Clinician and the Patient. Do not use with postextractive techniques or with a surgical guide.

Indicator pin

Ti PU

new

	ø	
■	2.3	25946
■	2.7	29328
■	3	25949
■	3.6	25975
■	4.1	28149

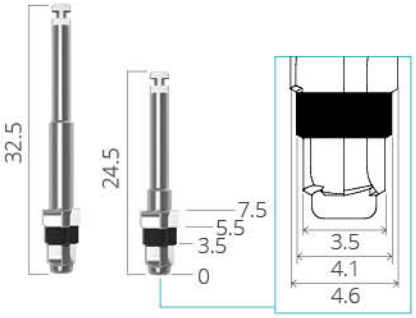
Inserted into the implant site being created, it indicates axis and depth thanks to the notch, as shown in the side diagram.

Enlarger drill

Inox

short	28125	
long	28128	

To be used in case of compact bone or when the implant insertion torque exceeds 50 Ncm, to avoid excessive compression at crest level. The depth of use depends from the diameter of the implant to be inserted.



Drill extension

Inox

	28450

To be used with rotating instruments in order to easily reach the intervention regions between two dental elements.

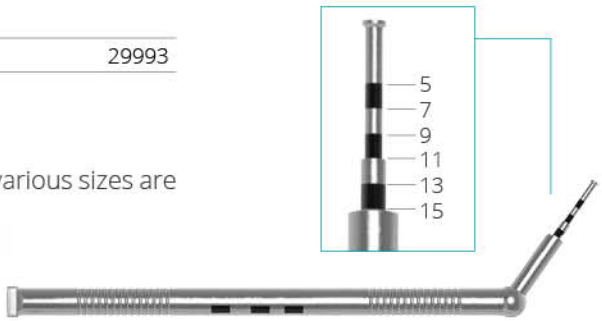
new

Depth probe

29993

Inox

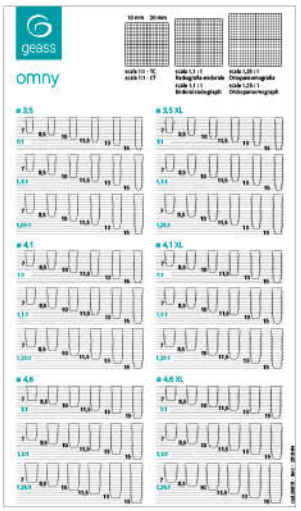
Ideal instrument to verify the depth of the osteotomy; the various sizes are reported also on the shank to facilitate the reading



X-ray template

26019

It presents all the sizes of Omny implants, according to the following scale:
1:1 Computerized Tomography (CT);
1,1:1 Endoral radiography;
1,25:1 Orthopantomogram (OPG).



Motors for implantology

new

Thanks to a detailed design,safety of use and high level materials, the W&H equipment satisfies the required standards, thus guaranteeing maximum precision in oral surgery.

The Implantmed unit has been specifically developed for implant interventions and it offers all the instruments to obtain maximum precision, safety and reliability.

The **W&H contra-angles**, made of **high quality stainless steel** with special anti-scratch coating, are characterized by particular **strength** and **efficient ergonomics**.

As undisputed leader in the **LED technology**, W&H has developed surgical contra-angles with **Mini-LED+**, offering an excellent illumination with high-contrast natural light.

The offer of W&H product is highly flexible: the professional can choose among various options, in relation to the LED+ connection, foot control wireless or without cables, possibility of Osstell ISQ module for controlling and reporting of the osseointegration values.

Inserts and spanners

To be used for handling the implants and prosthetic components. All inserts can be used alone or in combination with the screwdriver, the Newton wrench; in the latter cases, verify that the matching between the two devices is correct.

The drivers are to be inserted on the handpiece to handle the various devices easily and quickly; ensure that they are effectively retained. A maximum speed of 15rpm is advisable. For the tightening of the prosthetic components, always use a controlled torque wrench, as the use of the screwdriver or of the ratchet wrench can easily lead to excessive torque.

When using spanners and inserts, it is important to avoid lateral bendings, which may cause the instrument break or the damage of the handled components.

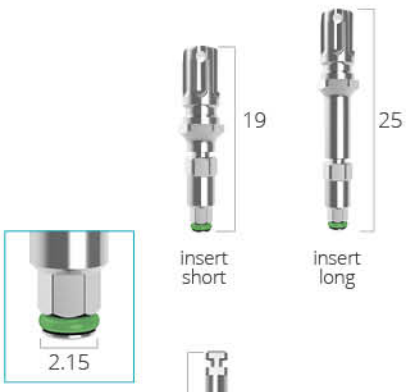
Omny

Inox SI

To remove the implant from touch&go holder and insert into the implant site.

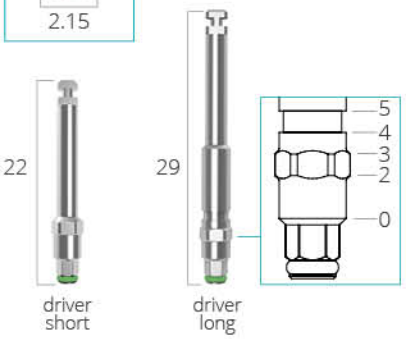
Insert

short	25809
long	25812
o-ring	*25821*



Driver

short	25803
long	28940
o-ring	*25821*



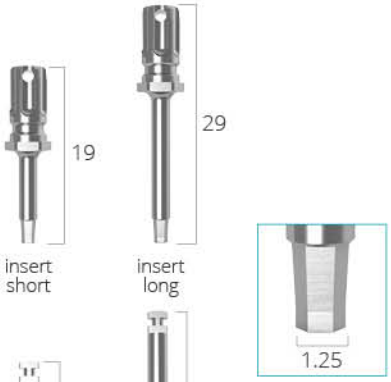
Microesam

Inox

To handle cover screws. To be also used with the majority of the prosthetic components of Omny implants.

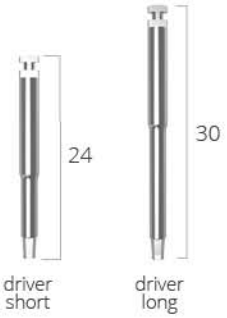
Insert

short	11655
long	11656



Driver

short	11657
long	11658

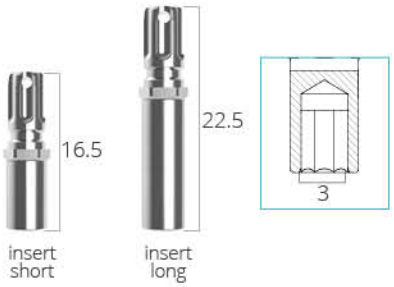


Stepper insert

Inox

To handle Mua straight abutment and abutment for bar.

short	10473
long	10474



Equator insert

Inox POM

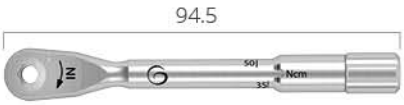
	26496
holder (spare part)	*26497*

Handling instruments

Newton torque wrench

Inox SI

	26870
lubricant	*17002*
o-ring (3 pcs)	*21143*



Coupled with the inserts, it is used to screw and unscrew the various devices easily and quickly, according to two modes: ratchet (no predefined torque limit) or dynamometric (calibrated torque).

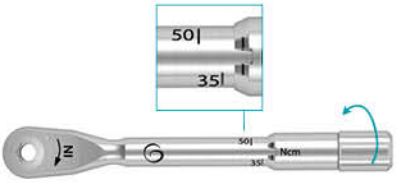
Once the suitable insert has been selected, insert it into the head of the wrench and verify that the hexagonal profiles of the two devices are properly coupled and push the insert downwards.

The arrow 'IN' on the wrench head shows the position of the wrench when tightening; by turning the device over, the arrow **"OUT" is used when loosening screws**. Pay attention to the position of the wrench during use, so that the rotation axis coincides with the axis of the handled device.

To select the torque limit, rotate the handle until the desired value; the adjustment key supplied in the package allows you to switch faster from one value to the other. The selection of the torque must always be performed, during screwing of the handle clockwise; therefore, in order to adjust to an inferior torque to that set, it is important to unscrew the handle by two turns under the desired torque value, then screw again to the required value.

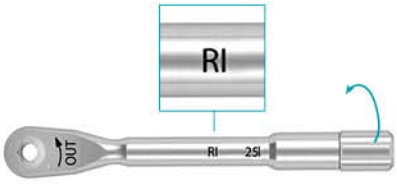
Tightening in torque mode

To tighten with a pre-set value of torque, rotate the handle until it is positioned exactly in line with the required value, then move the wrench in the direction indicated by the arrow; once the torque value has been reached, the wrench spins freely.



Tightening in ratchet mode

To use the wrench without a pre-set value of torque, rotate the handle until the writing "R".



I-Move screwdriver

	14242
o-ring (3 pcs)	*21143*

Inox SI

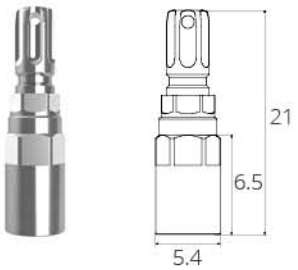
It allows you to use the **various inserts manually**, giving you the utmost perception and sensitivity in your handling.
You will feel a **click** when the insert connects with the screwdriver, indicating that insertion has taken place correctly.

Insert extension

	21126
o-ring (3 pcs)	*21144*

Inox NBR

To be used with the inserts in order to easily reach the intervention region **between two dental elements**.



new

Universal screwdriver

	28641

Inox SI

Coupled with the inserts, it allows for an easier handling during the implant insertion, guaranteeing an excellent direction control.
Due to the high torque levels it can easily reach, it must not be used for the tightening of the prosthetic components.

Insertion-extractor tool Equator

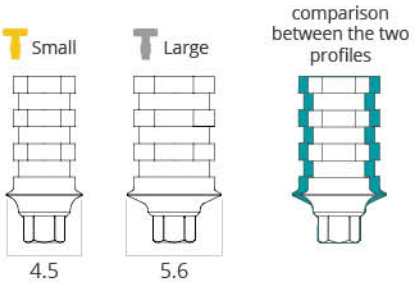
	26868

Inox PA

To insert and extract the caps of Equator system. Autoclavable.

prosthetic components

The connection is unique for all the prosthetic components; some have two profiles, **Small** and **Large**, to better reproduce the characteristics of the natural element.



	Single elements	Bridges	Structures
healing		cover screw	healing abutment
impression		Pick-up coping	Basic coping
temporary restoration	temporary abutment Single-Temp		temporary abutment Multi-Temp
definitiv restoration – cemented	Precision abutment; Melty abutment; Shoulderless abutment		
definitiv restoration – screwed	Melty abutment	Melty abutment; abutment for bar	Melty abutment; abutment for bar; Equator abutment; spherical abutment; Mua abutment

Fixing screw is always supplied with the prosthetic components; this screw is to be used for the definitive fixing only.

Management of soft tissues

Healing abutment

Ti 15 N·cm

H	T	T
2	25874	25883
4	25877	25886
6	25880	25889

To guide the healing of periimplant soft tissues.
Choose the proper height, according to the mucosal thickness.

Temporary abutment Single-Temp

Ti 15 N·cm

H	T	T
1	25892	25895
3	25978	25979
5	26031	26034
short screw	*15833*	
long screw	*17227*	

For single temporary elements.

Temporary abutment Multi-Temp

Ti 15 N·cm

H	T	T
1	25898	25901
3	26022	26025
5	26037	26040
short screw	*15833*	
long screw	*17227*	

For temporary restoration on multiple elements.
It can also be used as an abutment for electrowelding.

Impression

Pick-up coping

Ti 15 N·cm

For custom impression tray.

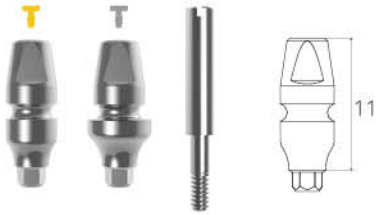
H	T	T
3	25904	25907
screw	*17225*	
7	25916	25919
screw	*17227*	
extra long screw	*29352*	

Basic coping

Ti 15 N·cm

For standard impression tray.

	25910	25913
screw	*17225*	



Cap for Basic coping

POM *pack. 10 pcs*

To be used with Basic coping to increase the accuracy of the impression, in specific cases of disparallelism.
Not to be used with the multifunction component.

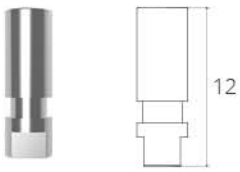
	16390

Omny analog

Ti

It reproduces the position of the implant in the plaster model.

	25922



Definitive restoration

Precision abutment

Ti 25 N·cm

straight

H		
1	25925	25733
3	25928	25736
5	26043	26046

angulated 15°

1	25739	25745
3	25742	25748
5	26536	26539

angulated 25°

1	25814	25855
3	25817	25856
5	26542	26545

screw	*15833*

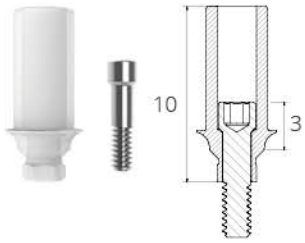
The versatile conformation makes them suitable for a wide variety of restorative solutions.

Melty abutment

PMMA 4 N·cm in lab
25 N·cm definitive element

To create extremely versatile and mouldable artifacts.

	25977
screw	*15833*



Abutment for bar

castable

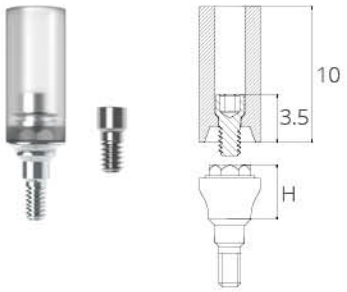
PMMA 4 N·cm in lab
25 N·cm definitive element

base

Ti 25 N·cm

Specific for overdenture restoration with bars.

H	
1	25857
3	25858
screw	*22986*

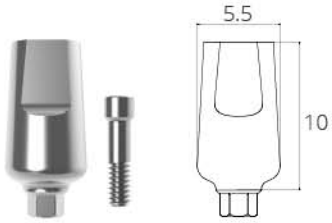


Shoulderless abutment

Ti 25 N·cm

Specific for the vertical preparation technique.

	25980
screw	*15833*

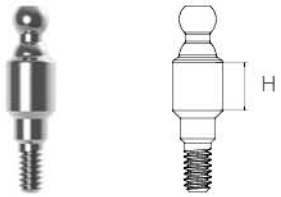


Spherical abutment

Ti 25 N·cm

For the creation of overdentures. To be used with the retainer.

H	
1	28629
2	28632
3	28635
5	28638



Retainer

Ti NBR

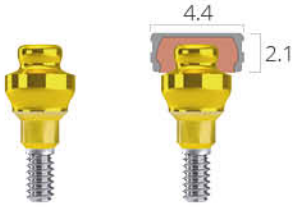
To be used with the spherical abutment, it is inglobated in the mobile prothesis. Supplied with o-ring.

	11674
o-ring replacement	*11675*

Equator abutment

Ti 25 N•cm

H	
1	26484
2	26487
3	26490
5	26493
new 6	29164



Specific for the creation of implant overdenture prosthesis, OT Equator is characterized by significantly reduced emcumbrances and by the possibility to adjust the disparallelism until 30°.

Cap assortment kit

Ti PA EVA NY

	26861

It allows to correct disparallelism up to 25°.
Each pack contains:
1 container for caps in titanium
1 black cap for lab use
1 protective disk
4 retentive caps (1 for each retention grade)

Kit Smartbox

Ti PA EVA NY

	27723

It allows to correct disparallelism up to 50°.
Each pack contains:
1 container with cap for lab
1 pink protective disk
4 retentive caps (1 for each retention grade)

Spare containers

Inox	Titanium	Smartbox (with cap)
24088	24089	27724
pack. 2 pcs		*pack. 1 pcs*

Spare caps

white/clear	yellow	pink	violet	black	black Smartbox
Standard 1800g	Extra-soft 600g	Soft 1200g	Strong 2700g	Only for lab.	Only for lab
26864	26863	26865	26862	24087	27725
pack. 4 pcs					

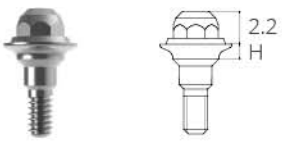
Mua

Created for total fixed restorations with distally inclined implants, the Mua components allow the emerging parts of inclined implants in posterior sectors to be parallel. Prosthesis positioning, fitting and fixing operations are therefore much more simple.

Mua straight abutment

Ti 25 N·cm

H	
1	25842
3	25845



For easy handling, there is an accessory in peek in the pack. Once the straight abutment is positioned, simply bend and remove the accessory, pulling it out; then, fix the abutment with the Stepper insert at the indicated torque.

Mua angulated abutment

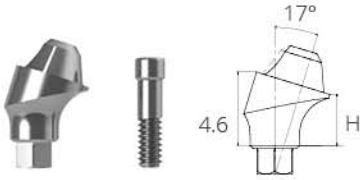
Ti 25 N·cm

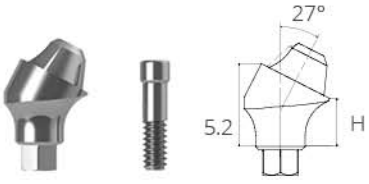
17°

H	
1	25830
3	25833
screw	*25868*

27°

H	
1	25836
3	25839
screw	*25868*



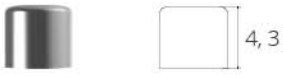


It includes a titanium pre-mounted accessory, which facilitates the positioning and allows to verify the direction of the prosthetic axis. Once tightened the angulated abutment with the Microesam insert at the indicated torque, remove the accessory by unscrewing it for a few rounds.

Mua healing abutment

	25848

Ti 15 N·cm



Used during the healing phase of soft tissues.

Mua analog

	25851

Ti

It recreates the position of the implant, on which the Mua abutment has been fixed.

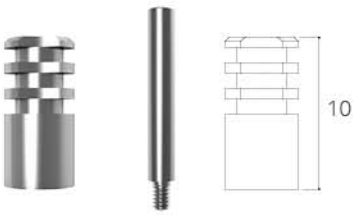
new

Mua Pick-up coping

	29970
screw	*25974*

Ti 15 N·cm

For custom impression tray.

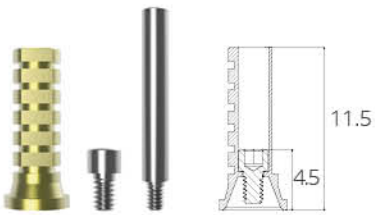


Mua App abutment

	25854
short screw	*25865*
long screw	*25974*

Ti 15 N·cm

It may act as temporary abutment, coping or as definitive solution.

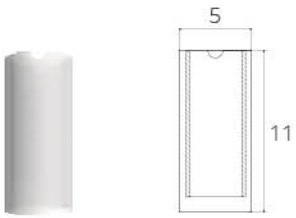


Mua App accessories

	26871

PMMA PEEK

To create a definitive restoration with the App abutment.

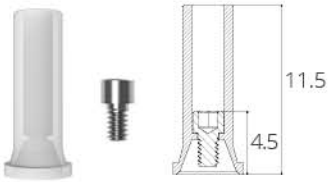


Mua castable

	25862
screw	*25865*

PMMA 4 N·cm in lab
15 N·cm definitive element

To create the definitive restoration.



Impression

Custom impression tray

Position
Pick-up coping

Pick-up coping

Standard impression tray

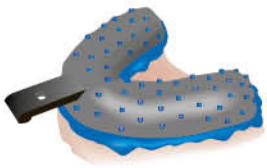
Position
Basic coping

Basic coping

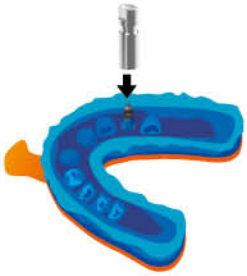
multifunction component

Position cap

Custom impression tray



Standard impression tray



Position analog

Reposition the coping, fixed onto the analog

Creation of the model

Creation of the model

Temporary restoration

Single elements

Single temp abutment

multifunction component

Multiple elements

Multi temp abutment

Insert the abutment onto the implant and fix it with the long screw.

Re-line the temporary crown and fix it onto the abutment with resin.

Once the resin has hardened, unscrew the screw, remove the product and finish it.

Substitute the long screw for the short one for definitive fixing. Position some material (e.g., cotton) on the head of the screw and seal it with resin. On removal of the temporary abutment, create a hole in the upper part with the round bur until finding the head of the screw; the material previously introduced is to signal to the Clinician the proximity to the screw making sure not to ruin it.

Fixed restoration

Precision abutment | multifunction component | shoulderless abutment

Melty abutment

Fix onto the analog

Fix onto the analog

Cemented | Screwed

Mill

Wax

Position the abutments

Position the abutments

Cementation of the esthetic part on the abument

Cementation of the esthetic part

Fixing of the esthetic part

Protesi su barra

abutment
for bar

Fix onto the analogs

Modeling of the abutments and bar

Cast bar

Verification of passivation
and anchorage of prostheses

Protesi mobile

spherical
abutment

Fix onto the implants

Placement of the retainers on the abutments.
Creation of space for the retainers on the prosthesis

Cold relining through acrylic casting on the retainers
and on the prosthesis.
Anchorage of the prosthesis

Mobile restoration

Fixing of the Equator abutment in the laboratory

Fix onto the analogs

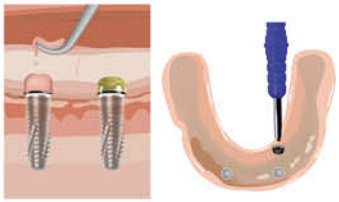
Equator abutment

Fixing of the Equator abutment in practice

Fix the abutment onto the implants

Equator abutment

Position the ring and retainer onto the abutments. Create the space for retainers on the prosthesis



Cold cure relining by pouring the acrylic onto the retainers and into the prosthesis

Remove the black protection cap

Position the colored caps

digitals

Digital evolution

The **digital solutions** proposed by **Geass** are in an **open system, both flexible and good value** which allows you to:
- achieve a complete digital flow;
- operate innovative technologies adaptable to any IT system;
- implement your own digital structure with versatile equipment and instruments;
- define an effective studio-laboratory workflow.

Geass is able to **offer a complete and professional service** for your investment in the digital world, with specific advice, **operative support** in the practice and lab, **events and education** courses as well as post-sales assistance on site and from a distance.

Digital impression taking

Intraoral scanner CS3600

Ease of use, **fluid** process of image acquisition, **precision** results: all this for an excellent workflow, accurate and fast.

Computer assisted surgery

Geadrive and Geass 3D

Geadrive is the **computer assisted surgery** which allows you to carry out accurate and complete **diagnoses**, plan the optimal position of the implant and design the prosthetic rehabilitation while operating in total **safety**.

CAD-CAM personalized prosthesis

Performa

To overcome the limits of the current CAD-CAM productions on implants, Geass uses an **innovative technology** which **integrates** the **advantages** of **milling** with those of **machine turning**. Various solutions in several types of **Zirconia**, **PMMA** and **laser melting** complete the Performa offer.

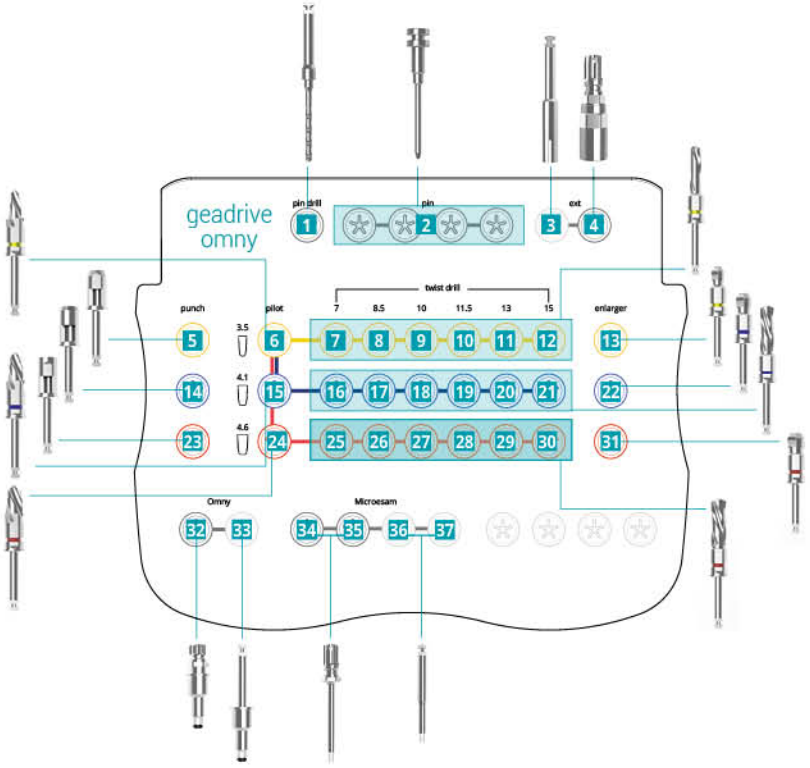
Geadrive

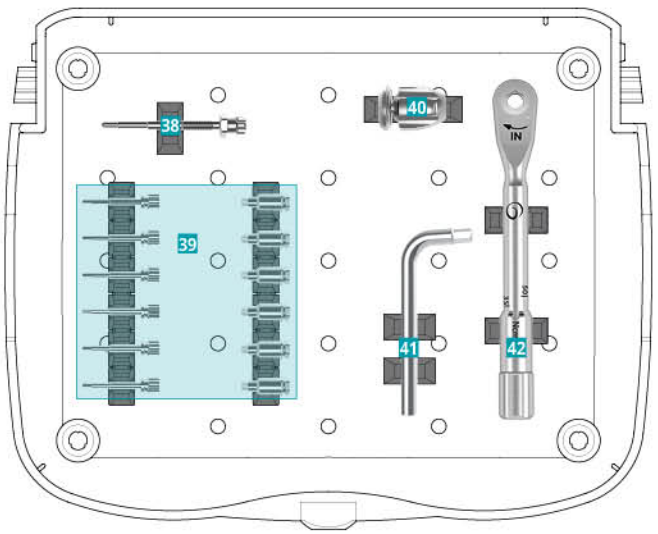
Omny organizer

PPSU | SI | *instruments not included* 28475

Products of Omny line which can be hosted inside the Geadrive organizer:

1	Drill for pin	30437
2	Fixing pin	20341
3	Drill extension	28450
4	Insert extension	21126
5	Mucotome ø 3.5	28368
6	Centering drill ø 3	28359
7	Twist drill ø 3 L. 7	28377
8	Twist drill ø 3 L. 8.5	28380
9	Twist drill ø 3 L. 10	28383
10	Twist drill ø 3 L. 11.5	28386
11	Twist drill ø 3 L. 13	28389
12	Twist drill ø 3 L. 15	28392
13	Enlarger drill ø 3.5	28431
14	Mucotome ø 4.1	28371
15	Centering drill ø 3.6	28362
16	Twist drill ø 3,6 L. 7	28395
17	Twist drill ø 3,6 L. 8,5	28398
18	Twist drill ø 3,6 L. 10	28401
19	Twist drill ø 3,6 L. 11,5	28404
20	Twist drill ø 3,6 L. 13	28407
21	Twist drill ø 3,6 L. 15	28410
22	Enlarger drill ø 4.1	28434
23	Mucotome ø 4.6	28374
24	Centering drill ø 4.1	28365
25	Twist drill ø 4.1 L. 7	28413
26	Twist drill ø 4.1 L. 8.5	28416
27	Twist drill ø 4.1 L. 10	28419
28	Twist drill ø 4.1 L. 11.5	28422
29	Twist drill ø 4.1 L. 13	28425
30	Twist drill ø 4.1 L. 15	28428
31	Enlarger drill ø 4.6	28437
32	Omny insert	28440
33	Omny driver	28443
34	Microesam insert short	11655
35	Microesam insert long	11656
36	Microesam driver short	11657
37	Microesam driver long	11658
38	Mounter extractor	28305
39	Mounter	30432
40	I-Move screwdriver	14242
41	Newton adjustment key	-
42	Newton torque wrench	26870





Drill for pin

	30437

Inox

It allows you to create a seat for the fixing pins.; maximum speed: 500 rpm.

Fixing pin

	20341

Ti

It allows you to fix the surgical guide.

Mucotome

ø 3.5	28368
ø 4.1	28371
ø 4.6	28374

Inox

To incise and remove the soft tissues; maximum speed: 40 rpm.

Centering drill

	ø 3.0	28359
	ø 3.6	28362
	ø 4.1	28365

Inox

It creates the first osteotomy to facilitate the precise centering and positioning for the subsequent drills, thus levelling the bone crest at the same time, if necessary. Maximum speed: 400 rpm for ø 3.0, 300 rpm for ø 3.6 and 4.1 mm.

Twist drill

	L	7	8,5	10	11,5	13	15
	ø 3.0	28377	28380	28383	28386	28389	28392
	ø 3.6	28395	28398	28401	20404	28407	28410
	ø 4.1	28413	28416	28419	28422	28425	28428

Inox

For the initial preparation of implant site, it is characterized by the integrated stop, which guarantees greater safety.
Maximum speed: 400 rpm for ø 3.0, 300 rpm for ø 3.6 and 4.1 mm.

Enlarger drill

Inox

	ø 3.5	28431
	ø 4.1	28434
	ø 4.6	28437

To be used in cases of D1 bone; or when the implant insertion torque exceeds 50 Ncm. Maximum speed: 300 rpm.

Omny

To remove the implant from touch&go holder and insert it for some threads into the implant site.

Insert

Inox SI

28440

Driver

Inox SI

284430

Contra-angle adapter

Inox NBR

29358

o-ring (3 pcs) 21144

To be used with mounters for the implant insertion with micromotor.

Mounter

Inox

30432

It allows to remove the implant from the touch&go holder and to place it into the implant site; it can be used with the screwdriver and the Newton screwdriver.
Do not exceed the torque of 50 Ncm, during use.
Left into the implant site, it helps to maintain the surgical guide in the correct position until the end of the intervention.

Mounter extractor

28305

Inox

Screwed into the mounter instead of the screw, it allows to remove it, in case it remains blocked in the implant seat.

Sleeve for guide

28356

Ti

Fixed on the surgical guide, it allows to guide the drills so that the osteotomy corresponds to the virtual planning of the treatment.

Sleeve for pin

28047

Ti

Fixed on the surgical guide, it allows to guide the drill for pin.

The other instruments in the Geadrive organizer are in common with the traditional surgery (pp. 24-27).

Performa

Scanbody

Ti PEEK

short	26548
long	27250
screw	*26554*

To transfer the position of the implant to the CAD software in three dimensions. **They always have to be matched up with Geass library; the use of the matting spray** is not required during scanning.
To tighten with Performa Torque at **4 N•cm**.
As it is **sterilizable**, it can also be used for **intraoral scanning**; in this case, use the Performa screwdriver for fixing.

Linker V2

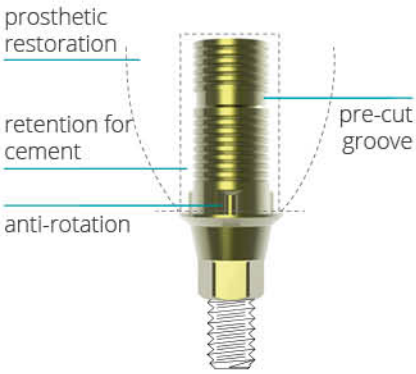
Ti 25 N•cm

engaging	29369
screw	*26554*

Ti 25 N•cm

non engaging	29372
screw	*26554*

Linkers have the base in titanium, on which it is possible to create CADCAM artifacts in ceramics, particularly indicated in cases of high **esthetic value**. They are characterized by the checkering, which improves retention of the cement. The coloring is yellow to mask the metal reflection in transparency and thus improve the esthetic result.
The **height** of the Linker is easy to adapt, according to the clinical situation and thanks to the **pre-cut groove** , which facilitates the technician even in the design of the prosthesis, as it corresponds to the **libraries**.



Base for wax up

	25513

PMMA *pack 3 pcs*

To be used in the laboratory to model the wax-up, then to be sent subsequently to Geass for digitalization.

Ti-Base Sirona

	25871
screw	*26554*

Ti 25 N•cm

Digital analog

	28258

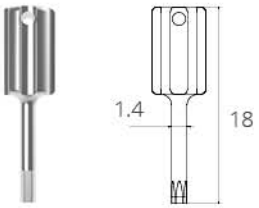
Ti

Specific for the process which derives from the **digital impression taking**. It guarantees the correct repositioning on the 3D printed model thanks to the presence of hexagonal sides, which make insertion easy.
The included screw allows for the stability of the analog on the model and in many cases it avoids the use of adhesive substances; the screw shall be tightened with the Performa Torque tool.
Geass digital analogs include the **implant libraries** to be used for virtual modeling through the main CAD softwares and for the creation of models through printing.

Performa screwdriver

	23918

Inox

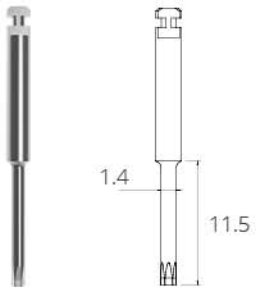


To be used in the oral cavity to handle the scanbody on the implants.

Performa driver

	28472

Inox



To be used in the oral cavity to handle the scanbody on the implants.

Insert tilted holes

short	25449
long	25112

Inox

For the tightening of the screws for tilted hole, in the CAD-CAM prosthesis. The definitive tightening of the screws for tilted hole is foreseen at 25 Ncm, with the exception of the screws on MUA which are to be tightened at 15 Ncm.

Contra-angle tilted holes

short	25455
long	25452

Inox

For the tightening of the screws for tilted hole, in the CAD-CAM prosthesis. The definitive tightening of the screws for tilted hole is foreseen at 25 Ncm, with the exception of the screws on MUA which are to be tightened at 15 Ncm.

Performa Torque

	23788

Inox POM

To be used exclusively in lab to tighten the scanbody and the castable abutment in PMMA on the analog, at a predefined torque of 4 Ncm.

advanced

Regenerative solutions

Easy Bone Management

EBM organizer

instruments not included 30377

PPSU SI

To keep and organize the EBM drills.

EBM spherical drill ø 5

29317

Inox WC

For sinus lift with EBM technique, in compact bone.

EBM spherical drill ø 7

29320

Inox WC

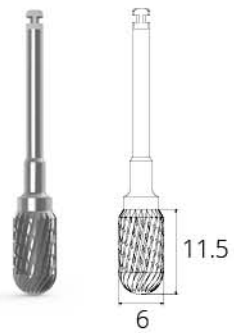
For sinus lift with EBM technique, in soft bone.

EBM oval drill ø 6

29323

Inox WC

To model the crestal part of the jaw bones.



Sinus lift

Osteotome insert

Ti

ø 2.9	27090
ø 3.5	27093
ø 4.1	28154

Specific for the minor sinus lift technique with Omny implants, it allows you to fracture the sinus cortical bone, raising it along with the membrane.

Osteotome handle

Inox

	11459

The insert suitable to the type of selected implant is to be inserted onto the hand piece.

Angled adapter for osteotome

Inox

	16496

Inserted onto the hand piece, it allows to reach the less easy areas.

Surgical mallet

Inox

	2995.Y0.05

It allows you to calibrate the force and concentrare it in a short instant, thus obtaining a precise fracture.

Endosteal elevator

Inox

n.1	11479
n.2	11480
n.3	11481

Ideal to easily access the antral window, allowing you to carry out elevation of the sinus endosteum.

Split crest

Chisel - double edge

Inox

width	
3	11485
6	11486
9	11487

Used to increase the transverse volume in greenstick osteotomy interventions.

Widener organizer

instruments not included	30545

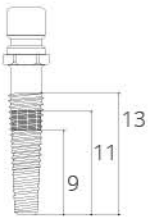
PPSU SI

Tray to effectively store the wideners and the handling instruments. The serigraphy allows to immediately identify the widener and the instruments to be used.

Widener

Ti

Nr.		ø pilot hole	ø	ø	ø	ø	ø	ø
		ø apical	L. 8	L. 9	L. 10	L. 11	L. 12	L. 13-15
1	15702	2,0	2,20	2,25	2,30	2,35	2,45	2,50
2	15703	2,5	2,60	2,65	2,70	2,75	2,85	2,90
3	15704	2,8	2,95	3,00	3,10	3,15	3,25	3,30
4	15705	3,0	3,15	3,20	3,30	3,35	3,45	3,50
5	15706	3,5	3,60	3,70	3,75	3,85	3,90	4,00
6	15707	4,0	4,15	4,20	4,30	4,35	4,45	4,50

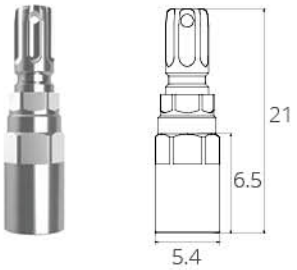


They allow you to gradually enlarge the crest, expanding the available bone and reducing surgical trauma. They increase the transverse volume in presence of thin edentulous ridges with suitable height.

Insert extension

	21126
o-ring (3 pcs)	*21144*

Inox NBR



It allows you to use the wideners in less accessible areas or between two dental elements.

Bone regeneration

Tack holder

tack not included	11342

Ti

To conserve and organise the tacks tidily.

Tack inserter

	11392

Ti Inox

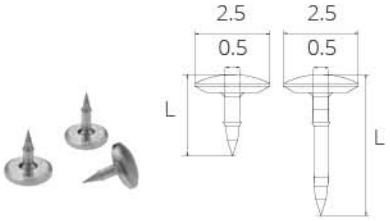
For the removal of the tack from the support and for positioning it in situ in conjunction with the mallet.

Tack

L	
3	11369
5	11370

Ti *pack 5 pcs*

Used for fixing membranes.



Osteosynthesis kit SQ12 SQ17

instruments not included	11341

PP Al

It contains instruments and microscrews for fixing grafts, meshes and plates.

Drill SQ12 ø 1,0

short	11355
long	11356

Inox

For creating an entrance on the cortical for the microscrews SQ12.

Drill SQ17 ø 1.3

Inox

short	11357
long	11358

It creates an entrance on the cortical for the microscrews SQ17.

Drill stop

PTFE *pack 3 pcs*

SQ12	11359
SQ17	11360

Mechanical stops to control the perforation depth on the cortical.

Manual spanner

Inox

SQ12	11344
SQ17	11345

It provides excellent sensitivity when inserting the microscrew while applying adequate torque to it.

Contra-angle

Inox

SQ12	11346
SQ17	11347

Extremely useful in areas which are difficult to reach thanks to the fitting on the hand piece.

Screwdriver

Inox

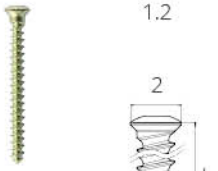
SQ12	11348
SQ17	11349

To handle microscrews in the frontal region, allowing excellent directional contral and of the torque applied.

Microscrew SQ12 ø 1.2

Ti *pack 3 pcs*

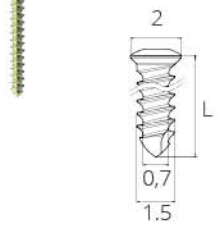
L	
3	11371
4	11372
5	11373
6	11374
7	11375
8	11376
11	11377



Emergency microscrew SQ12 ø 1.5

Ti *pack 3 pcs*

L	
4	11378
6	11379
8	11380

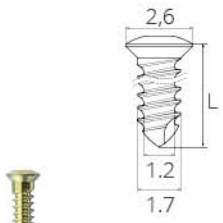


Ideal for the fixing of meshes and plates.

Microscrew SQ17 ø 1.7

Ti *pack 3 pcs*

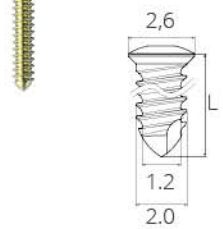
L	
9	11385
11	11386
13	11387



Emergency microscrew SQ17 ø 2.0

Ti *pack 3 pcs*

L	
11	11390
13	11391



Ideal for the fixing of bone grafts.

Biomaterials

Granules Adbone BCP

dimension	g	
Fine 0.1-0.5 mm	0,5	BCP010505G
	0.5-*5 pcs*	BCP010505P
	1	BCP010510G
	1-*5 pcs*	BCP010510P
Medium 0.5-1 mm	0,5	BCP050105G
	0.5-*5 pcs*	BCP050105P
	1	BCP050110G
	1-*5 pcs*	BCP050110P
Course 1-2 mm	1	BCP010210G
	1-*5 pcs*	BCP010210P

Adbone BCP is a **porous synthetic biomaterial in granules**, made up of 25 % of Tricalcium phosphate (TCP) and 75% of Hydroxyapatite (Hap).
The biphasic composition makes it possible to achieve **optimal reabsorption in two stages**, compatible with the rapid formation of the bone and the maintenance of the architecture of soft tissues.

Putty Sintlife

2 syringes da 0.5 cc	PFS015056-04-00

Sintlife is a **reabsorbable synthetic biomaterial in putty**, made up of nanocrystals of next generation biomimetic hydroxyapatite. The presence of **magnesium ions** makes the hydroxyapatite biologically active, favoring neoformation of bone and it promotes reabsorbtion of the material.

Membrane Tisseos

dimension	
15x20	TO1520
15x25	TO1525
20x30	TO2030
30x40	TO3040

Tisseos is a double layer **synthetic membrane, biocompatible and totally reabsorbable**, ideal for guided regeneration of the bone and soft tissues.

100% producers of smile

Geass is the Italian company which has achieved quality and innovation over the last thirty years, offering implant-restorative solutions in order to obtain excellent results.

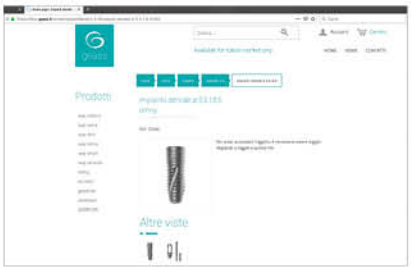
An internal production line, rigid quality control and next generation technology are all guarantees for reliability of the product, safety and innovation.

www.geass.it

Keep updated with all the latest news on Geass website.

shop.geass.it

A modern tool for your purchases and lots of new promotions.



Social media

News and updates on Geass products and events.

Communication to patient

Materials for the clinician to explain the implant treatment.

Smile club

Smile club is a fidelity programme, dedicated to the implant customers, which allows to access to exclusive advantages, giving more and more value to the Professionist and his clinic.

Warnings and sales conditions

Avvertenze
Warnings

1. Manufacturer responsability (according to the 93/42 EEC Directive and subsequent amendments)

The Omny implant-restoration system is made up of a number of medical devices for Dentistry according to the Directive, aimed at dental restoration of the oral cavity of human beings. The instruments and components dedicated for this purpose make up an integral and indispensable part of the system and must therefore always be used for the application of Omny dental implants, scrupulously following the instructions and recommendations supplied by the manufacturer (according to the Directive). Every use of the Omny system which is different from the one stated or the use of instruments or components in a manner different to the one foreseen or the use of instruments or components which do not belong to the system, produced by third parties, compromises the functionality of the Omny system and is considered as 'improper use', exonerating the manufacturer from any obligation or responsibility. Information concerning the use of Geass products is supplied to the user in written form in paper documentation, like the instructions for use, surgical and restorative protocols, in electronic form (audiovisual and IT instruments) or potentially through practical demonstrations (training courses). These correspond to the current state of art recognized on commercialization of the product and only constitute a supplement to a professional education and experience, as they are not sufficient for an immediate use of the Geass implant systems.

2. User responsability

Choice and application of the product are acts carried out by the Clinician in total autonomy of judgement and according to the knowledge assumed by the acceptance into the medical-health profession and subsequent professional refreshers; no responsibility can be attributed to Geass for damages of a nature that derive from such acts. The availability of technical-scientific information supporting the client, in fact, does not exonerate the user from the obligation to personally verify the suitability of the product to the purpose of the foreseen procedures. The user is obliged to continually update his knowledge on the development and the applications of the Geass implantological systems. Any use of the system different from the one given, is considered as 'improper use', exonerating the manufacturer from any obligation or responsibility. For uses not expressly foreseen or advised, the user must contact the manufacturer and obtain explicit authorization. The working, handling, and application of the product is performed outside of the manufacturer's control and therefore the responsibility falls to the user. For endoral application of medical devices, it is advisable to always adopt the necessary precautions (e.g. dental dam) in order to eliminate the risk of accidental inhalation.

3. Guarantee

The manufacturer, within the terms and conditions of sale, guarantees that the products do not have any defects. Geass recognizes a guarantee of twelve months from the delivery date of the product. Geass is obliged to substitute the quantity of products recognized as defective due to manufacture or origin. The guarantee is forfeit and any form of recompense from the manufacturer is excluded should there be improper product use, according to the cases listed in paragraph 1 (manufacturer responsibility) and 2 (user responsibility). Returns must be previously agreed on with the manufacturer and accompanied by the specific documentation. Information on the existence of patents, brand protection rights or other intangible goods is not legally binding.

4. Documentation

The brochures and detailed instructions for use for the implantological Geass systems must be requested from our commercial representatives, area dealers or directly from the head office. Customer service: telephone: +39 0432 669191 – fax +39 0432 665323 e-mail: servizioclienti@geass.it website: www.geass.it

Information herein contained shows the state of the art at the moment of commercialization of the product. This does not exonerate the user from the responsibility of personally verifying that the product is suitable for the purposes and procedures foreseen.

5. Seminars and educational course

Geass regularly organizes seminars and educational courses in order to allow users of their products to be informed and refresh their knowledge on the characteristics and on the suitable use of the Geass implant systems.

6. Product identification

All Geass products are identifiable by the article and lot code shown on the accompanying label of the medical devices..

7. Sales packaging

Unless otherwise indicated in the catalog, each product unit identified by the article code is sold in single packaging.

8. Delivery and availability

Geass products are sold to Dentists and Dental laboratories, or for them, according to the relevant competences. Some components may not be available in some Countries or commercial areas.

9. Copyright

Omny is a registered brand.

10. Note

For anything not shown in these warnings, see the technical specifications, conditions of use and instructions contained in the Geass informative materials.

Ordering method

1. On placing orders, always refer to the article code.
2. Orders that are received before 12.30 p.m. will be delivered by the end of the following day depending on entity, availability and particular zones.

Sales conditions

1. These terms and conditions of sale are intended as accepted by the client on delivery of the order. Any variations, the stipulation of which are hereby illustrated, shall only be valid if accepted by Geass in writing.
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4. The delivery terms may undergo variations. Any misunderstandings owing to shipping inefficiency cannot be attributed to Geass.
5. Geass reserves the right to carry out partial delivery.
6. The price list applied is the one valid at the time of the order. Payment of orders must be according to payment method and within the terms established. In the case of default, Geass reserves the right to vary the conditions of payment for subsequent supplies or to put into practice every effective or precautionary measure to totally recoup any outstanding credit.
7. Any complaints, relative to a lack of adherence to the terms and conditions of sale, must be communicated in writing to Geass Customer Service within 8 (eight) days of receiving the goods.
8. Geass srl offers you the possibility to substitute products purchased under the following conditions:
- product cost equal to or above (payment of any difference by client);
- within 12 months of the invoice date and within 6 months of the product going out of date – date shown on label;
- residual product whole; original packaging complete and sealed;
- product accompanied by transport documentation and a copy of the purchase invoice;
- should these above mentioned conditions not be fulfilled, the product will not be considered suitable and will be returned to the sender and all shipping costs will be charged. Geass srl recognizes the right of withdrawal within 14 working days from the date of the delivery of the goods.
9. Geass declines any responsibility for any involuntary errors in the catalog and price lists.
10. For anything not expressly foreseen in the general terms and conditions of sale, Italian law will be applied. For any disputes, the Court of Udine (Italy) is the competent body.

Document validity

This document substitutes the previous edition.

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