OVERMED

MEDICAL DEVICES / MADE IN MILANO

EasyLineImplant®

EasyPiece®

EasyArch
All in One

EasyPiece®

the monophasic implant with integrated prosthetic connection which guarantees velocity of intervention and simplicity in the prosthetic finalization for the EasyArch technique.

Advantages EasyPiece®

1

Simplified use, only one component to reduce the mistakes in the implant-abutment connection.

2

Improved tissue healing thanks to the removal of the microgap between implant and abutment, cause of bacterial infiltration.

3

Compact dimensions of implant and prosthetic connection compared to traditional standards.

4

Higher surgical performances.

5

The reduced dimensions leave more space to the prosthetic structure and to the coating, assuring an optimal aesthetic result.

6

Easily usable also in guided surgery thanks to the possibility to have guides of small sizes.

7

Thanks to the use of a M1,8 thread the unscrewing and fracture of prosthetic screws are reduced.

8

Macro design and surface treatment with proved validity for more than 15 years of use.

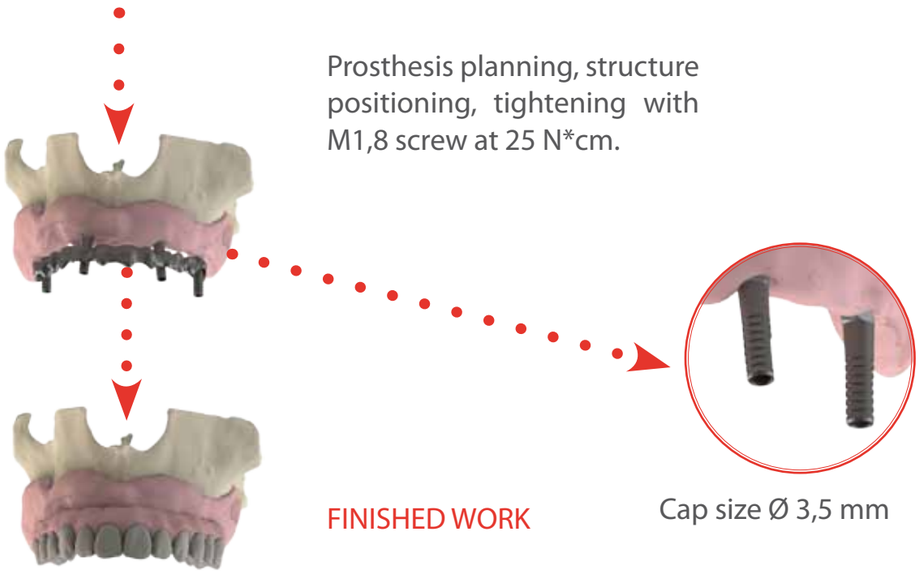
9

Sensible reduction of the chair time thanks to the one stage surgical protocol.

10

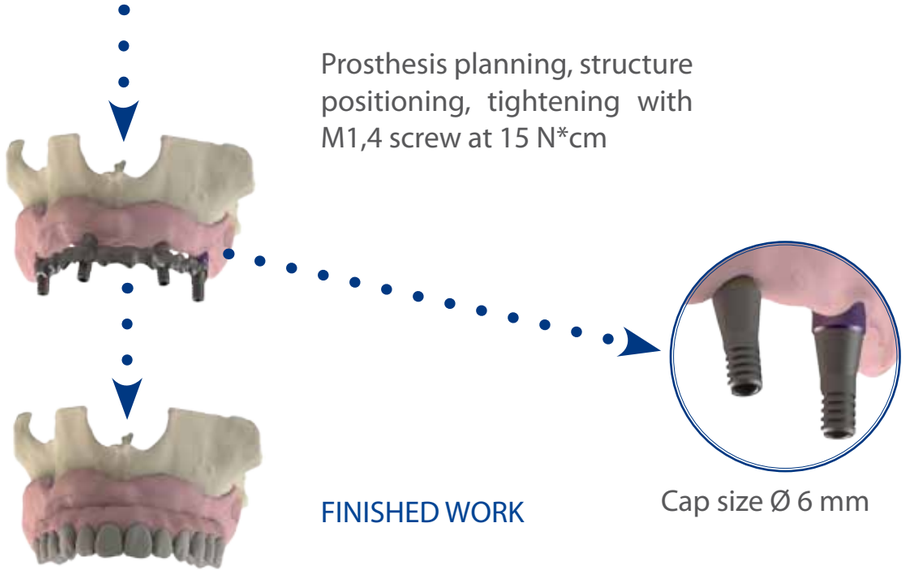
Low costs thanks to the reduction in the number of components.

EasyArch with EasyPiece®



The reduced dimensions leave more space to the prosthetic structure and to the coating, assuring an optimal esthetic result.

Comparison between EasyArch and EasyDip® + MUA



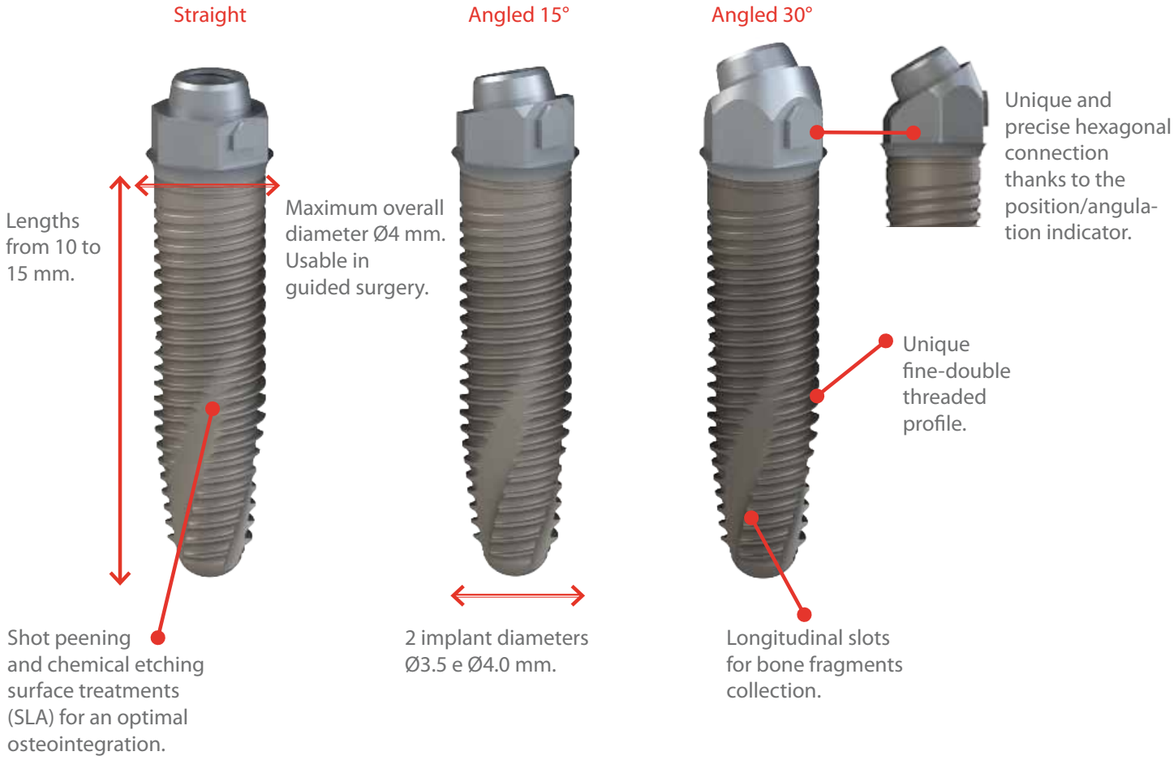
Implant dimensions and characteristics

The new and exclusive dental implant system "EASYPIECE" is made of monophasic dental implants whose endosseous part traces the morphology and the thread of EasyLine fine threaded implants, whereas the transmucosal part traces the MUA abutments with different angulation and height: straight, angled 15° and 30°.

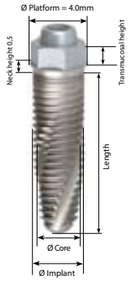
EASYPIECE implants are recommended for all cases of aesthetic rehabilitations and functional restoration of patients with partial or total edentulism. They are particularly indicated with EasyArch technique with guided or traditional surgery.

Fastening screw M1,8 for a better stability and seal (25 N*cm). Reduced cap dimension (Ø3.5 mm). Caps are available in Titanium, Peek and castable.

2 transmucosal heights for each implant and angulation.



Implant dimensions EasyPiece® Ø 3,5 mm



L = Length

ØP = Ø Platform 4.0mm

Ø = Ø implant bone space filled by the implant, threads included

Øn = Ø core bone space filled by the implant, threads excluded

TH = Transmucosal Height

Color code (yellow) identifies the implants with the same core diameter. Thus color code is used to identify the correct surgical instrument, too.

EasyPiece			
Øn	2,9		

EasyPiece®
Straight

Code	Ø (mm)	L (mm)	HT (mm)
EP003510A	3,5	10	1.5
EP0035115A	3,5	11.5	1.5
EP003513A	3,5	13	1.5
EP003510B	3,5	10	2.5
EP0035115B	3,5	11.5	2.5
EP003513B	3,5	13	2.5

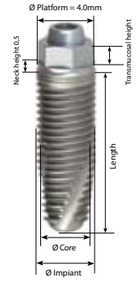
EasyPiece®
Angled 15°

Code	Ø (mm)	L (mm)	HT (mm)
EP1535115A	3,5	11.5	2
EP153513A	3,5	13	2
EP153515A	3,5	15	2
EP1535115B	3,5	11.5	3
EP153513B	3,5	13	3
EP153515B	3,5	15	3

EasyPiece®
Angled 30°

Code	Ø (mm)	L (mm)	HT (mm)
EP3035115A	3,5	11.5	3
EP303513A	3,5	13	3
EP303515A	3,5	15	3
EP3035115B	3,5	11.5	4
EP303513B	3,5	13	4
EP303515B	3,5	15	4

Implant dimensions EasyPiece® Ø 4,0 mm



L = Length

ØP = Ø Platform 4.0mm

Ø = Ø implant bone space filled by the implant, threads included

Øn = Ø core bone space filled by the implant, threads excluded

TH = Transmucosal Height

Color code (blue) identifies the implants with the same core diameter. Thus color code is used to identify the correct surgical instrument, too.

EasyPiece			
Øn		3,4	

EasyPiece®
Straight

Code	Ø (mm)	L (mm)	HT (mm)
EP004010A	4,0	10	1.5
EP0040115A	4,0	11.5	1.5
EP004013A	4,0	13	1.5
EP004010B	4,0	10	2.5
EP0040115B	4,0	11.5	2.5
EP004013B	4,0	13	2.5

EasyPiece®
Angled 15°

Code	Ø (mm)	L (mm)	HT (mm)
EP1540115A	4,0	11.5	2
EP154013A	4,0	13	2
EP154015A	4,0	15	2
EP1540115B	4,0	11.5	3
EP154013B	4,0	13	3
EP154015B	4,0	15	3

EasyPiece®
Angled 30°

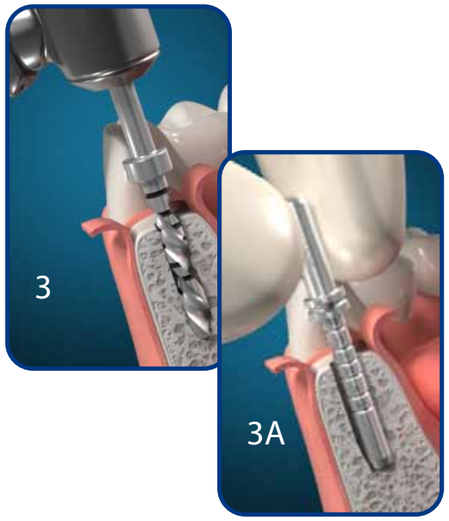
Code	Ø (mm)	L (mm)	HT (mm)
EP3040115A	4,0	11.5	3
EP304013A	4,0	13	3
EP304015A	4,0	15	3
EP3040115B	4,0	11.5	4
EP304013B	4,0	13	4
EP304015B	4,0	15	4

Surgical procedure EasyPiece®

1
Cut a full-thickness flap with a first incision wide enough to expose the area where you intend to operate. If necessary, use mesial or distal incisions around the selected site.
Make a careful dissection of the lingual and buccal periosteum layer, preventing laceration and at the same time removing any fibrous adhesions. In case you do not want to practice the surgical flap, you can intervene using the circular punch ELCM to create a gingival operculum of 5 mm diameter.

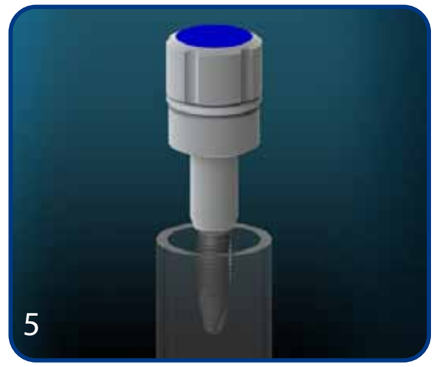
2
After the preparation of the surgical site, mark the position of the implants on the outer cortex with the precision drill ELOSD, using if necessary a surgical guide. Drill at a maximum speed of 1000 rpm, cooling the site with sterile saline solution at 5°C. It is advisable to flush the implant site with an antibiotic.
During this phase it is possible to approximately quantify the quality of cortical bone.

3 e 3A
Proceed by drilling the selected sites with the pilot reamer ELPD, controlling both the mesiodistal direction (as perpendicular to the ridge as possible) and the bucco-lingual one, sometimes affected by anatomical limitations. During drilling (maximum cutting speed 800 rpm), move the contra-angle back and forth to cool the drill and to extract the chips of bone. In the case of compact bone do not exert excessive pressure on the contra-angle, it could overheat the bone tissue with a consequent risk of thermal necrosis.
During this process, care should be taken to check the direction and depth using the depth gauge and parallel indicator ELPAP.



4
In order to insert the fixture in the prepared site, create a thread with the dedicated bone tap. This delicate phase can be performed using the contra-angle with the contra-angle mounter key ELKC at low speed (15/20 rpm), while cooling the site with sterile saline solution at 5°C. The same operation can be done manually with the ratchet ELKW and the ratchet mounter key ELKMC1 (short) or ELKMC2 (long). In the presence of poor quality bone we recommend avoiding tapping to obtain greater primary implant stability.

5
After having checked that the contents of the package to be opened corresponds to the size of the implant previously selected, open the package and manually extract the implant raising the plug which holds the implant inside the ampoule.



6
Manually insert the implant in the surgical site with the PEEK plug until a slight resistance is perceived. Remove the plug and finish the insertion mechanically (7) or manually with the torque ratchet (8).

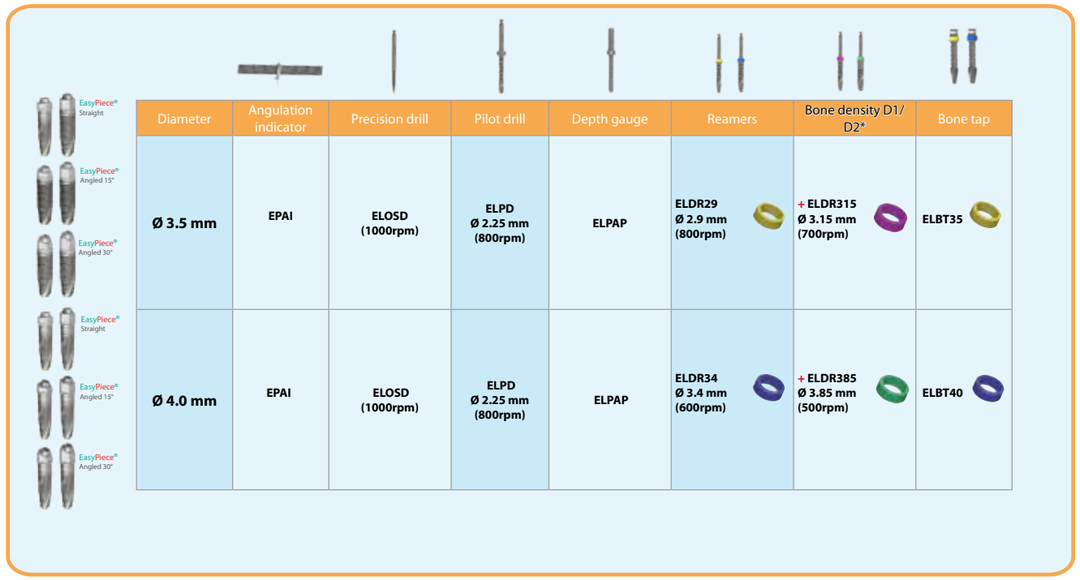
Surgical procedure EasyPiece®

7
Insert the contra-angle key, choosing between the two lengths available (short EPKC1 or long EPKC2), paying attention to match the laser marked hexagonal face with the indicator positioned on the implant hexagon.
Proceed with implant insertion at low speed (15/20 rpm).
It is suggested to not exceed the torque value of 50 N*cm.

8
Insert the torque ratchet key, choosing between the two lengths available (short EPKID1 or long EPKID2), paying attention to match the laser marked hexagonal face with the indicator positioned on the implant hexagon.
Insert the torque ratchet ELKWD on the wrench and finish the insertion screwing in clockwise direction. It is suggested to not exceed the torque value of 50 N*cm.

9
Once the implant has been inserted, it is possible to correct the angulation of MUA abutment with the previous indicated keys, managing the transmucosal height and the neck of 0.5 mm.

10
It is possible to use the gingival adaptator EPAD in case of postponed loading or while waiting the prosthesis finalization.

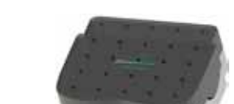


Diameter	Angulation indicator	Precision drill	Pilot drill	Depth gauge	Reamers	Bone density D1/ D2*	Bone tap
Ø 3.5 mm	**EPAI**	**ELOSD (1000rpm)**	**ELPD Ø 2.25 mm (800rpm)**	**ELPAP**	**ELDR29 Ø 2.9 mm (800rpm)**	**+ ELDR315 Ø 3.15 mm (700rpm)**	**ELBT35**
Ø 4.0 mm	**EPAI**	**ELOSD (1000rpm)**	**ELPD Ø 2.25 mm (800rpm)**	**ELPAP**	**ELDR34 Ø 3.4 mm (600rpm)**	**+ ELDR385 Ø 3.85 mm (500rpm)**	**ELBT40**

EasyPiece			
Øn	2,9	3,4	

EasyPiece® Surgical and prosthetic instruments

Bone drill		Code: ELPC
Circular punch		Code: ELCM
Precision drill		Code: ELOSD
Pilot drill		Codice: ELPD
Reamer 2,9 mm		Code: ELDR29
Reamer 3,4 mm		Code: ELDR34
Reamer 3,15 mm		Code: ELDR315
Reamer 3,85 mm		Code: ELDR385
Bone tap Ø 3,5 mm		Code: ELBT35
Bone tap Ø 4,0 mm		Code: ELBT40
Manual screwdriver short		Code: ELCSK1
Manual screwdriver long		Code: ELCSK3

Torque ratchet wrench short		Code: ELPSK1
Torque ratchet wrench slim		Code: ELPSK3
Contra-angle wrench		Code: ELPSCAK
Torque ratchet implant driver short		Code: EPKID1
Torque ratchet implant driver long		Code: EPKID2
Contra-angle implant driver short		Code: EPKC1
Contra-angle implant driver long		Code: EPKC2
Torque ratchet		Code: ELKWD
Depth gauge		Code: ELPAP
Drill extender		Code: ELDE
Angulation indicator		Code: EPAI
Drill stop		Code: ELDRS
EasyPiece surgical kit		Code: EPKIT

Impression transfer EasyPiece®

Impression transfer technique on EasyPiece® implants

To transfer the location of the fixture onto a casting, proceed by inserting the implant transfer EPTRA1 (short) or EPTRA2 (long) in the implant and secure it with the long fastening screw EPTRASC included in the packaging of the transfer. Tighten using the manual screwdrivers ELCSK1 or ELCSK3 or the contra-angle wrench ELPSCAK.
Then proceed with the impression using a slotted spoon. Before removing the impression, loosen the fastening screw and release the transfer. Insert the implant analogue EPAN, assembling it to its transfer EPTRA1 (short) or EPTRA2 (long) using the fastening screw previously loosened. Now it is possible to send the impression to the laboratory.

Implant Analogue

Code
EPAN

Implant Transfer

Code	Description
EPTRA1	Corto
EPTRA2	Lungo

EasyPiece® ScanAbutment

Code
SCANEPCC

Prosthetic components EasyPiece®

Caps and EPCTS screw are made in Titanium gr. 5 (Ti6Al4V), tighten at 25 N*cm using the torque ratchet wrenches ELPSK1 or ELPSK3 with the torque ratchet ELKWD.

EasyPiece® gingival adapter

Code
EPAD

Titanium prosthetic cap for EasyPiece®

Code
EPCPT

Castable ** prosthetic cap for EasyPiece®

Code
EPCAL

Temporary prosthetic cap in PEEK* for EasyPiece®

Code
EPCPK

*Polyether-ether-ketone
**Plexiglass

Save time with

EasyPiece®

in traditional as well
as in guided surgery.

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