



MABB
BIOMATERIAL

BIOENGINEERING
NANOBIOCERAMICS
& CIM TECHNOLOGY

COMMITTED TO IMPROVE LIFE
QUALITY FOR ALL HUMAN
BEING AND THE PLANET

ABOUT US

We are a bioengineering company created in 2006 by a multidisciplinary team of entrepreneurs, investors, engineers, scientist and medical doctors, committed to innovate in processes, technologies and biomaterials

generating solutions and high quality products at competitive costs, to add value to the whole dental implant value chain, with the purpose of improving human life quality and the planet.



STATE OF THE ART TECHNOLOGIES & BIOMATERIALS

We have 12 years of experience developing dental implant pieces in Zirconia Yttria. Our production plant has the ultimate technology based on CIM -Ceramic Injection Molding. This technology does not require the machining intermediate process, lowering production costs and decreasing waste materials, which contributes to protect the environment.

MABB technology and innovation center can develop and produce pieces with re-entrant angles, blind holes, internal and external threads, complex surface profiles, perpendicular holes, and intricate cavities in a single step and without intermediate processes.

Zirconia Yttria

MABB Z7 Abutments (actual products) and 2-pieces dental implants (coming soon) have been developed using the biomaterial Zirconia Yttria, a revolutionary nanoceramic, which represents a breakthrough in oral implantology, for its reliable osseointegration, superior mechanical properties, biocompatibility and high aesthetic results.



This biomaterial emerged in the era of nanotechnology represents a technological revolution because it has managed to combine two opposing physical properties: the surprising elasticity with extreme hardness. Our modern

production and quality process, combining CIM with sintering furnaces, guarantees ceramic pieces with resistance to fracture superior to 1290 Mpa.



Our certified quality system can provide the highest repeatability, a lower rate of rejection, and a statistical control of proven processes, thus our clients are able to avoid the dimensional inspection upon delivery. Together, we transform our products into



medical products to reach the most varied markets regulated by FDA, CE, ANMAT, ANVISA, among others.

ABUTMENTS AND CAPS

MABB's abutments and caps are produced with the nanoceramic Zirconia Yttria, biomaterial approved for medical use, with more than 10 years of casuistry, exceeding the expectations of patients and doctors.

They have been developed by prestigious doctors and engineers taking into account the needs and problems in the global dental implantology market, in order to have a very high quality product at competitive costs.



UNIVERSAL

These pieces have been developed with a universal design, with the purpose of being integrated into the systems of titanium implant manufacturers. MABB also develops and produces exclusive parts for certain customers, manufacturers of dental implants.

INJECTION MOLDING

MABB uses Ultra High Pressure (UHP) Ceramic Injection Molding (CIM) technology, that allows to obtain pieces of complex geometries, with very high precision and excellent repeatability. The UHP injection regime guarantees superior molecular packaging, and consequently, very high mechanical performance once the pieces finish the sintering process obtaining "Full densed" products.



100% of the pieces are subjected to quality controls in the different stages of the process, additionally Mabb works under standards ISO 14801 and ISO 13356 (in process)



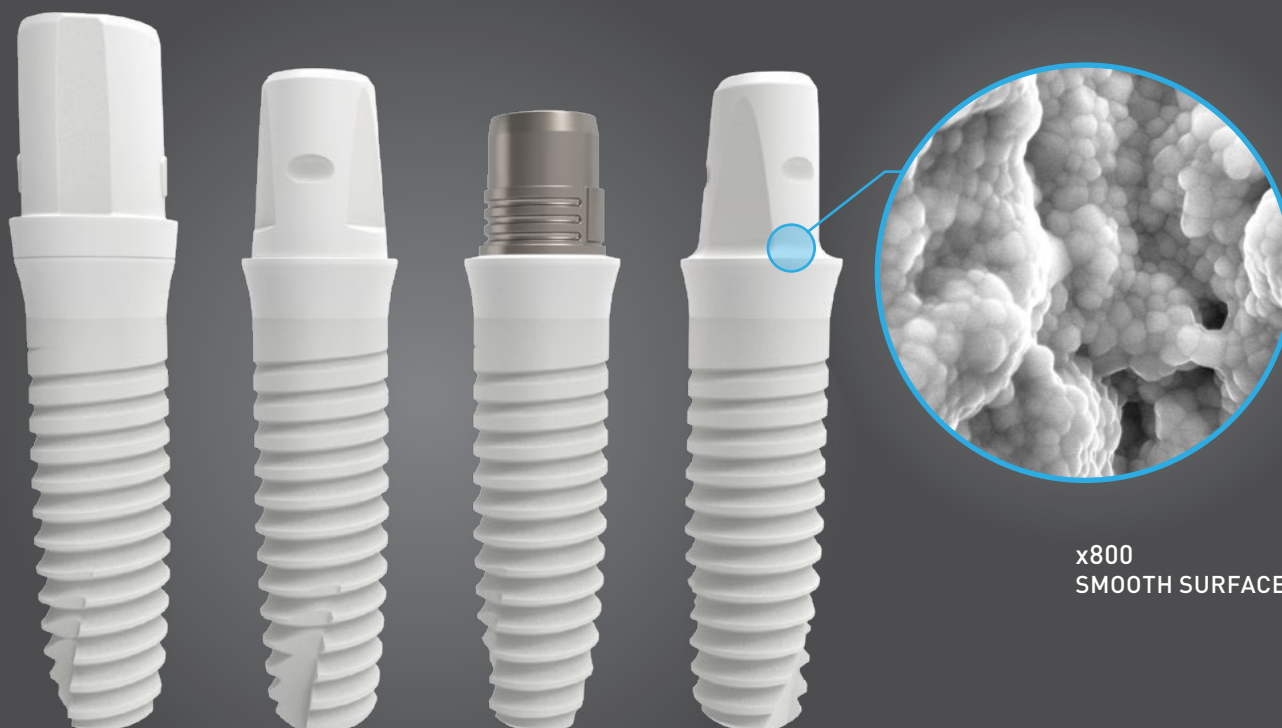


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ZIRCONIA DENTAL IMPLANT SYSTEMS

NANOCERAMIC Y-TZP

TWELVE YEARS OF EXPERIENCE IN THE DENTAL IMPLANT ARENA USING THIS NANOBIMATERIAL AND COMBINING OUR STATE OF THE ART IN THE CERAMIC INJECTION MOLDING (CIM), WITH ULTRA HIGH PRESSURE (UHP) TECHNOLOGY, WILL LET US OBTAIN A PRODUCT WITH HIGH VALUE ADDED PROPERTIES FOR PATIENTS AND MEDICAL DOCTORS, AND CLIENTS AS WELL, BY GIVING A TOP QUALITY PRODUCT AT COMPETITIVE COSTS.



x800
SMOOTH SURFACE

These products are being designed by a team of engineers, medical doctors and advisors who are internationally prestigious in the medical science arena.

The UHP and CIM technology make possible to obtain pieces of complex geometries, with high precision -even in the micro and nano definition of surface roughness, to improve osseointegration performances.

Also guarantees superior molecular cohesion to achieve a full densed product; consequently, a very high mechanical performance with 100% repeatability.

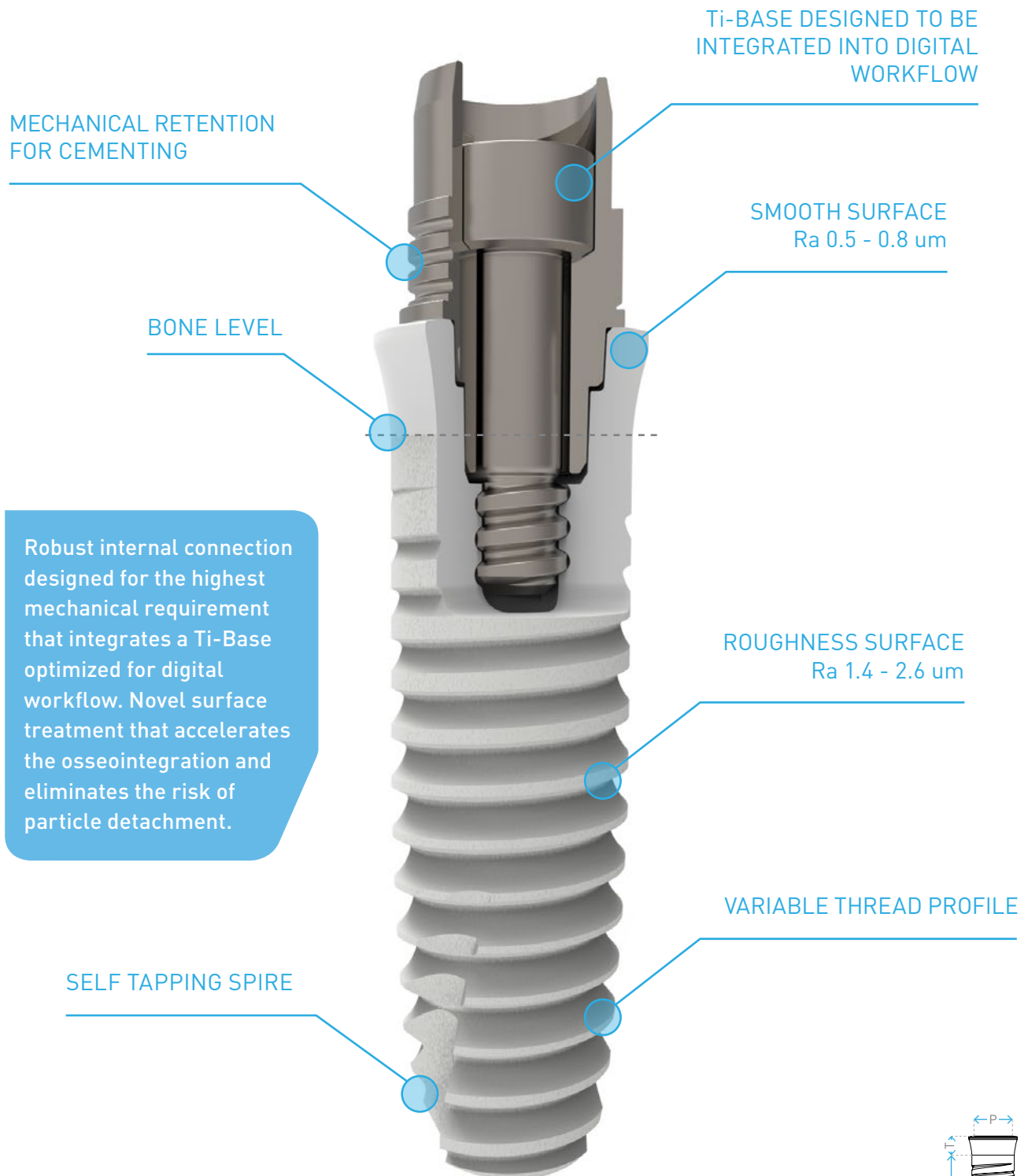
100% of the pieces are controlled in the different stages of the production process to guarantee the quality of the product. MABB tests under ISO 14801 and ISO 13356 (in process), actually achieving superior results.

MABB WILL LAUNCH DURING 2019 A NEW GENERATION OF ZIRCONIA DENTAL IMPLANT SYSTEMS WITH OPTIMAL AESTHETIC, MECHANICAL AND OSSEOINTEGRATION PROPERTIES.

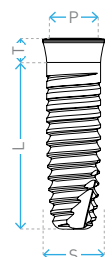
MABB T3-C

2-PIECE ZIRCONIA IMPLANT SOLUTION

Ti-Base + Ti retained screw



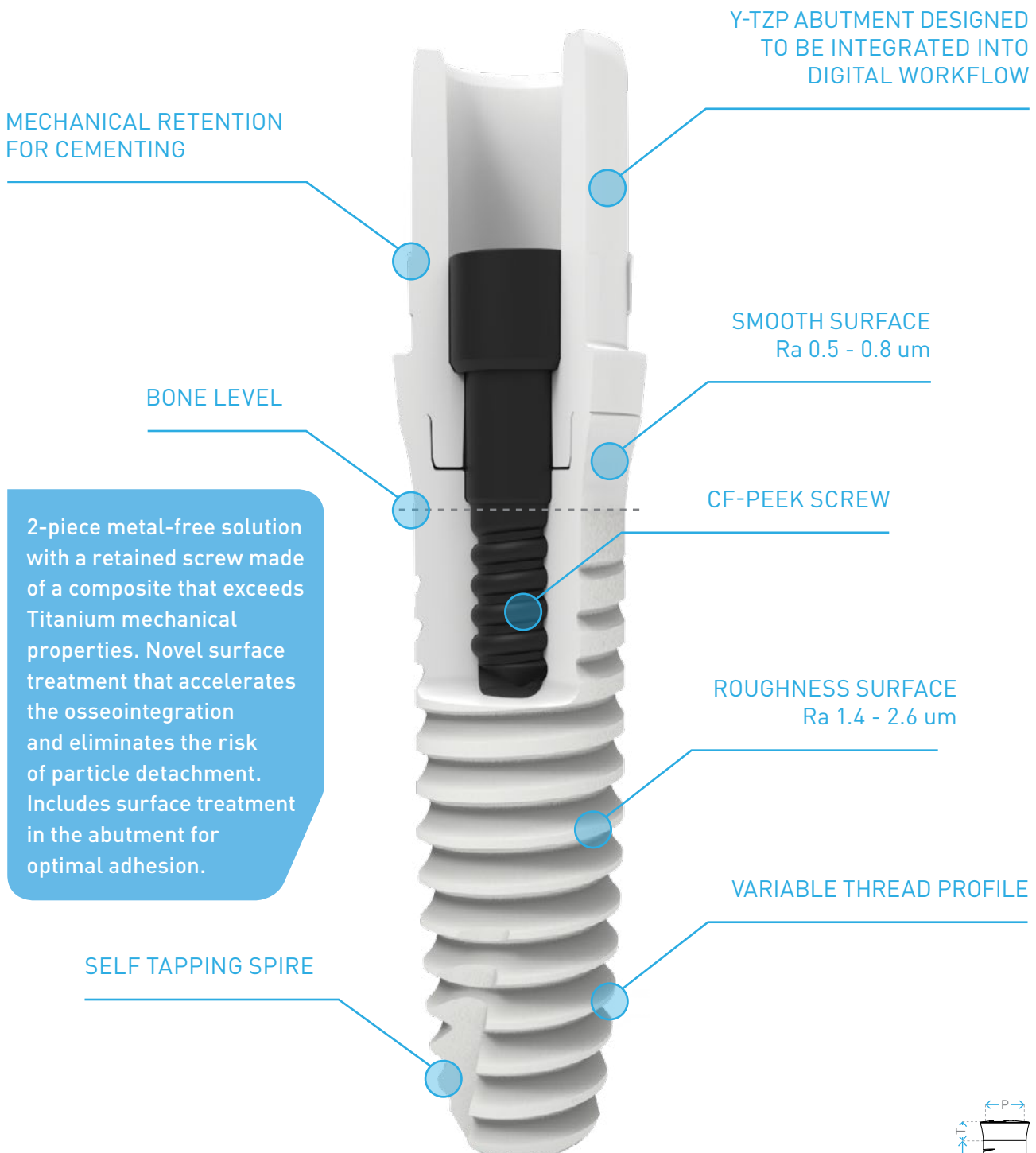
Sizes (mm)				
P	S	T	L	
4.2	4.8	1.75	8	10 13
6	6.5	1.75	8	10



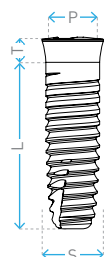
MABB Z3 – ALL METAL-FREE

2-PIECE ZIRCONIA IMPLANT SOLUTION

CF-PEEK Composite retained screw



Sizes (mm)				
P	S	T	L	
4.2	4.8	1.75	8	10 13
6	6.5	1.75	8	10



MABB Z1

1-PIECE ZIRCONIA IMPLANT SOLUTION

MECHANICAL RETENTION FOR CEMENTING
(Ra-2.2 μm)

Y-TZP ABUTMENT DESIGNED TO BE INTEGRATED INTO DIGITAL WORKFLOW

SMOOTH SURFACE
Ra 0.5 - 0.8 μm

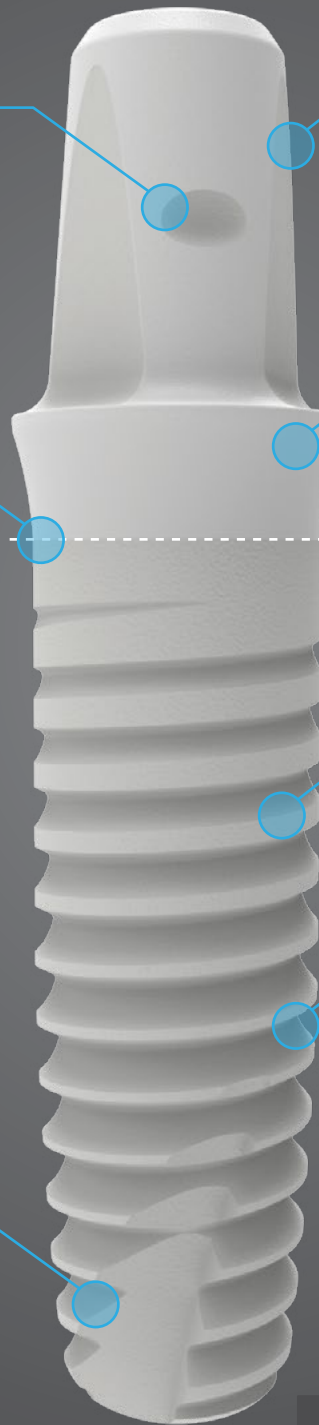
BONE LEVEL

ROUGHNESS SURFACE
Ra 1.4 - 2.6 μm

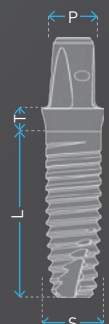
1-piece metal-free solution prepared for digital workflow. Novel surface treatment that accelerates the osseointegration and eliminates the risk of particle detachment.

VARIABLE THREAD PROFILE

SELF TAPPING SPIRE



Sizes (mm)				
P	S	T	L	
3.8	4.4	1.75	8	10
4.2	4.8	1.75	8	10 13
6	6.5	1.75	8	10



www.mabbmaterial.com

MABB Z2-C

2-PIECE ZIRCONIA IMPLANT SOLUTION

Cement-retained

MECHANICAL RETENTION FOR CEMENTING
(Ra-2.2 μm)

Y-TZP ABUTMENT DESIGNED TO BE INTEGRATED INTO DIGITAL WORKFLOW

SMOOTH SURFACE
Ra 0.5 - 0.8 μm

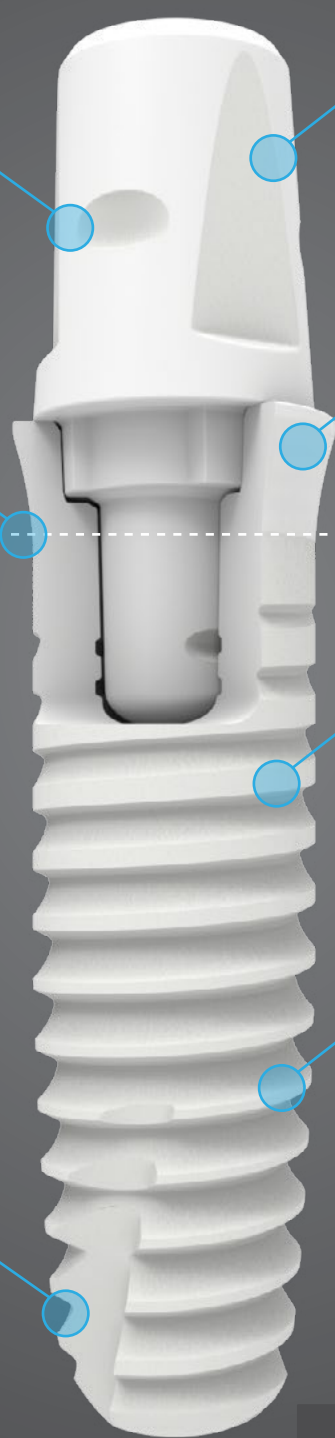
BONE LEVEL

ROUGHNESS SURFACE
Ra 1.4 - 2.6 μm

2-piece metal-free with cement-retained solution prepared for digital workflow. Novel surface treatment that accelerates the osseointegration and eliminates the risk of particle detachment. Includes surface treatment in the abutment for optimal adhesion.

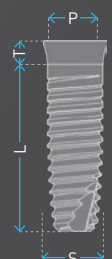
VARIABLE THREAD PROFILE

SELF TAPPING SPIRE



Sizes (mm)

P	S	T	L	
3.8	4.4	1.75	8	10
4.2	4.8	1.75	8	10 13
6	6.5	1.75	8	10





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