

Implant System

XCN[®]



Why
XCN[®] Leone
Implant System?

Morse Taper Connection



The XCN[®] implant-abutment connection ensures health and maintenance of peri-implant tissues over time thanks to mechanical stability, perfect microbiological seal and Platform Switching design. It is the strongest system on the market.

Surgical versatility

Classix



Max Stability



Narrow 2.9



Short 6.5



Four different implant macro-designs to address clinical needs respecting patient's anatomy, bone density and availability.

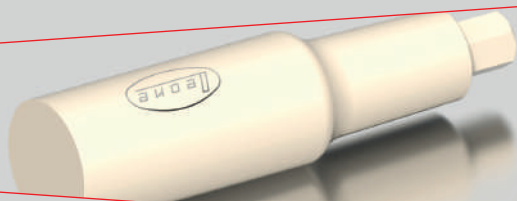
Prosthetic versatility

Innovative prosthetic components, for a wide range of solutions unique on the market.

XCN® CEMENT-RETAINED PROSTHESIS

Solid abutments and option of extra-oral cementation for single-implant crowns.

Temporary Abutments



Basic Abutments



360° Anatomical Abutments

MultiTech Abutments

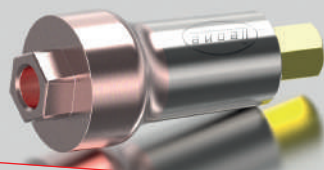


Ti-Base Abutments

XCN® SCREW-RETAINED PROSTHESIS

Sterile Plus abutment range for best results with the One Abutment-One Time concept.

ExaConnect



Ideal for single-unit restorations.

The screw channel is in line with the angulation of the abutment and can therefore be oriented palatally for optimal aesthetics.



Abutments MUA

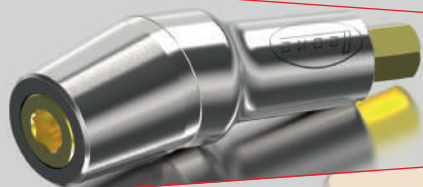
The solution for multi-unit restorations

The biggest and strongest prosthetic screw on the market and the broadest range of angulations and gingival heights.

XCN® CONOMETRIC-RETAINED PROSTHESIS

The new prosthetic option: multi-unit restorations without cement and without screws. Three different types of conometric caps for three distinct uses: fixed prostheses, removable prostheses and intra-oral welding technique.

The most flexible solution combined with the reliability of PEEK:
a unique combination



MUA-Conic Abutments



XCN® ABUTMENTS FOR ATTACHMENT-RETAINED PROSTHESIS

Solid ball head abutments, also available 15° angled.

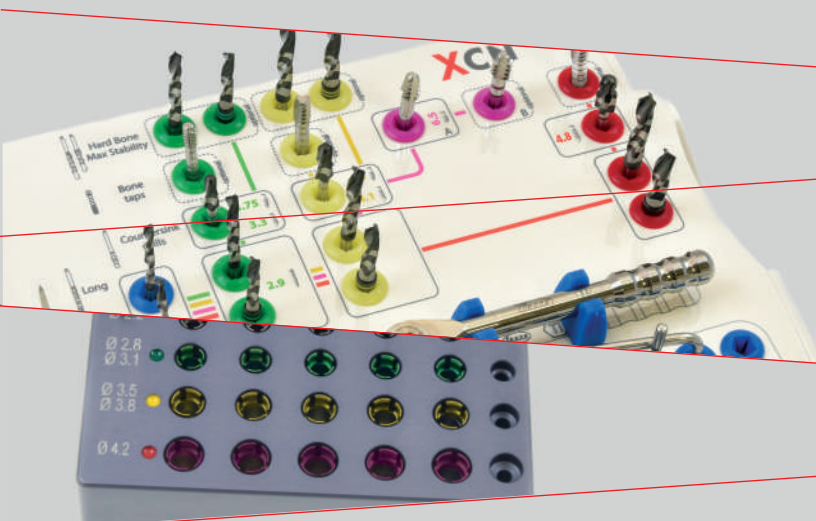


Ball head abutments

Efficiency

SURGICAL SIMPLICITY

One surgical kit for all implant lines and a comfortable, intuitive and safe drill stop kit.



PROSTHETIC SIMPLICITY

Only two implant-abutment connection diameters to facilitate the work of the clinician. Specific components for both conventional and digital intra-oral impression.



Indexed abutments with no limits on positioning for all prosthetic needs thanks to the XCN® 360° connection, unique on the market.

Scientific evidence

MARGINAL BONE MAINTENANCE OVER TIME

762 Leone implants supporting single crowns; 1 to 12 years follow-up; mean change of marginal bone level: 0.34 mm (after 1 year) – 0.46 mm (after 6 years) – 0.83 mm (after 12 years).

Mangano FG, Colombo M, Mangano C, Clinical evaluation of 762 single-tooth, locking-taper implants: a prospective study with 1- to 12-years of follow-up, *Journal of Dentistry and Oral Care Medicine* 2016;2(2):1-11

256 Leone implants inserted after lateral sinus lifting procedure; average follow-up of 2.5 years after loading; mean change of marginal bone level: 0.6 mm.

Belcastro S, Palazzo L, Guerra M, Studio clinico prospettico sul grande rialzo del pavimento del seno mascellare con l'utilizzo di impianti a connessione conometrica, *Italian Oral Surgery* 2012;11(1):5-20

NO PROSTHETIC COMPLICATIONS

66 Leone 6.5 Short implants; 5-year follow-up: only one prosthetic complication at the level of the implant-abutment connection.

Mangano F, Frezzato I, Frezzato A, Veronesi G, Martellaro C, Mangano C, The effect of crown-to-implant ratio on the clinical performance of extra-short locking-taper implants, *J Craniofac Surg* 2016;27(3):675-681

491 Leone implants supporting single crowns; 1 to 7 years follow-up: only 0.41% of prosthetic complications at the level of the implant-abutment connection.

Mangano C, Mangano F, Mangano A, Macchi A, Corone singole su impianti a connessione conometrica: studio prospettico da 1 a 7 anni, *Implantologia* 2011; 2:33-43

VERY LOW INCIDENCE OF PERI-IMPLANTITIS

438 Leone Ø 4.8 mm Classix implants; 1 to 10 years follow-up: only two cases of peri-implantitis (0.46%).

Mangano C, Luongo F, Mangano FG, Macchi A, Perrotti V, Piattelli A, Wide-diameter locking-taper implants: a prospective clinical study with 1 to 10-year follow-up, *J Osseointegr* 2014;6(2):28-36

324 Leone Ø 3.3 mm Classix implants; 1 to 10 years follow-up: only one case of peri-implantitis.

Mangano F, Shibli JA, Sammons RL, Veronesi G, Piattelli A, Mangano C, Clinical outcome of narrow-diameter (3,3 mm) locking-taper implants: a prospective study with 1 to 10 years of follow-up, *Int J Oral Maxillofac Implants* 2014; 29(2):448-455

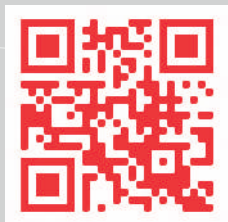
LONG-TERM SUCCESS

1494 Leone implants 1 to 10 years follow-up: implant survival rate: 98.7%.

Mangano F, Macchi A, Caprioglio A, Sammons RL, Piattelli A, Mangano C, Survival and complication rates of fixed restorations supported by locking-taper implants: a prospective study with 1 to 10 years of follow-up, *J Prosthodont* 2014;23(6):434-44

142 Leone implants inserted after sinus lifting procedure: follow-up of 10 years; implant survival rate: 96.5%.

Mangano F, Bakaj R, Frezzato I, Frezzato A, Montini S, Mangano C, Morse taper connection implants placed in grafted sinuses in 65 patients: a retrospective clinical study with 10 years of follow-up, *Int J Dent* 2017;ID 4573037



REFERENCES
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FOR NATURAL SMILES ONLY



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