

J. S. CONICAL CONICAL





A KeystoneDentalGroup Brand





ADVANCED

BIOLOGICAL SYSTEM

ENGINEERED FOR MARGINAL BONE PRESERVATION

LONG-TERM AESTHETICS

The sequence of matching restorative components contributes to the maintenance of soft-tissue volume and predictable bone preservation.¹

CONCAVE PROFILE

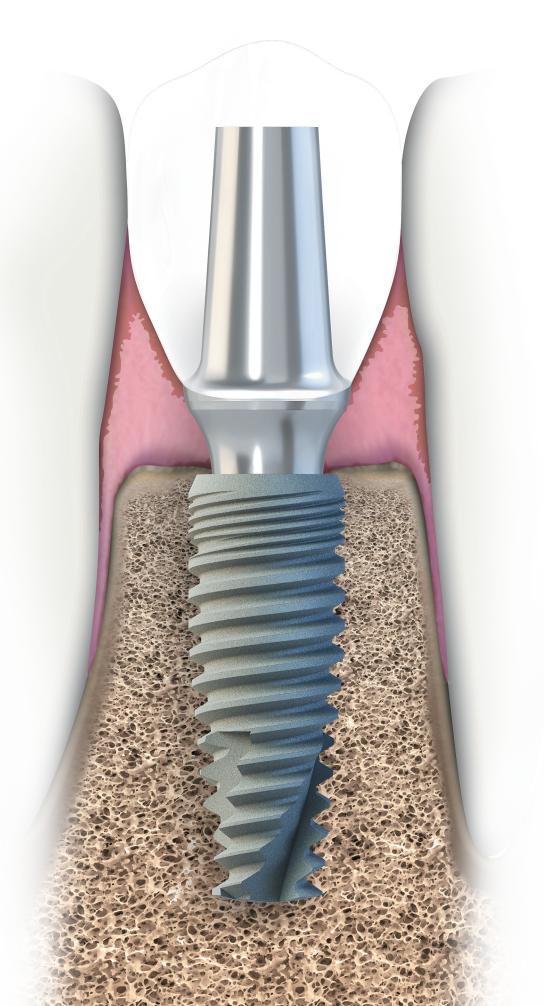
The prosthetically driven concave design increases soft-tissue volume, improving blood supply supporting an optimal emergence profile.^{1,2,3,4}

MICROTHREADS

Provides even load distribution, stabilizes and aids in maintaining crestal bone levels.^{5,6,7}

KLEAN ULTRA-PURE SURFACE

Clean and free from bacteria and chemical residue maintains an intact oxide layer.^{8,9}



22° CONICAL CONNECTION

SECURE IMPLANT ABUTMENT INTERFACE

The relative 22° degree conical angle creates a seal against bacterial endotoxin leakage while maintaining excellent retention. 10,11,12

¹⁰Performance of conical abutment (morse Taper) connection implants: A Systematic review. Christian M. Schmitt, Getulio Nogueira Filho, Howard C. Tenenbaum, Jim Yuan Lai, Carlos Brito, Hendrik Döring, Jörg Nonhoff. J Biomed Mater Res Part A: 102A: 552–574, 2014.

¹¹Joint stability of internal conical connection abutments with or without hexagon indexes: an in vitro study, Sang-Woon Lee, Min-Sang Cha, Ji-Hye Lee, Lee-Ra Cho, Chan-Jin Park Journal of Dental Rehabilitation and Applied Science, 10.14368/jdras.2020.36.2.95, 36, 2, (95-103), (2020).

¹² The influence of implant-abutment connection on the screw loosening and microleakage. Tsuruta, K.; Ayukawa, Y.; Matsuzaki, T.; Kihara, M.; Koyano, K. Int. J. Implant Dent. 2018, 4, 1–6.







PLATFORM SWITCHING

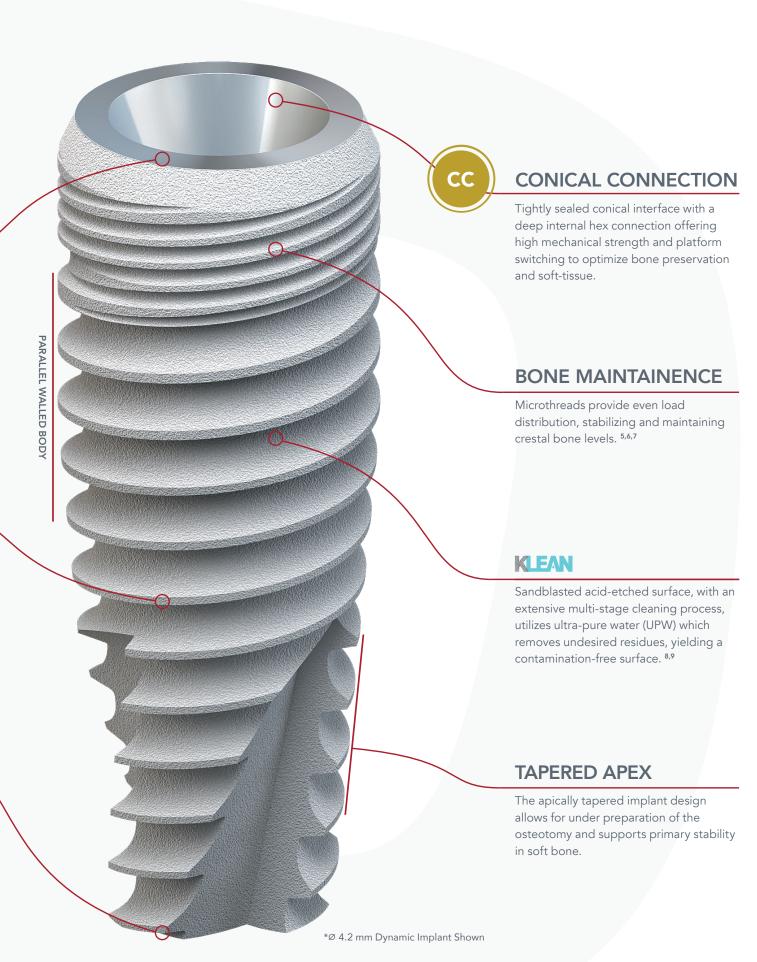
The platform switch maintains crestal bone and increases soft tissue volume around the implant platform. 13,14,15

THREAD DESIGN

An aggressive double-lead reverse buttress thread with an optimal profile for improved vertical stress distribution.^{16,17}

ACTIVE APEX

The active apex with enhanced cutting threads enables directional adjustments providing optimal restorative orientation.

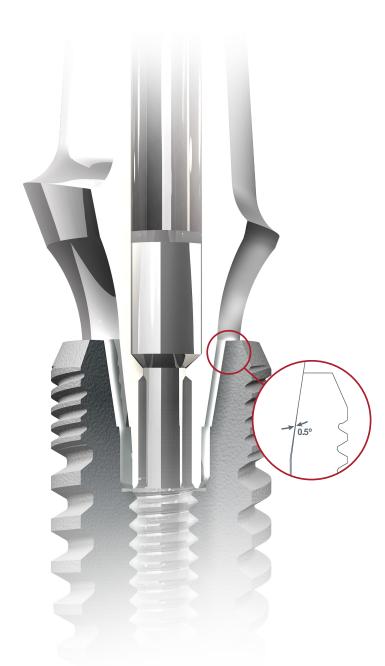






UNIQUE

CONICAL SEAL



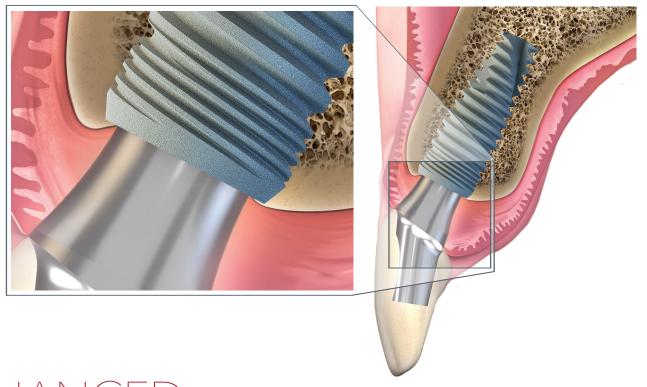
ONE PLATFORM

SIMPLIFIED WORKFLOW

One platform across all implant diameters simplifies the restorative workflow, with one prosthetic connection providing a variety of restorative options. This drives efficiency and reduces treatment complexity.

PRECISION MILLED

Implant and abutments are produced to an accuracy of 0.5° to achieve excellent retention. The tighter the tolerance, the greater the mechanical retention for eliminating micromovement and providing a clinical seal between the implant and the abutment. 10,11,12



ENHANCED GINGIVAL HEALING

CONCAVE THROUGHOUT THE TREATMENT

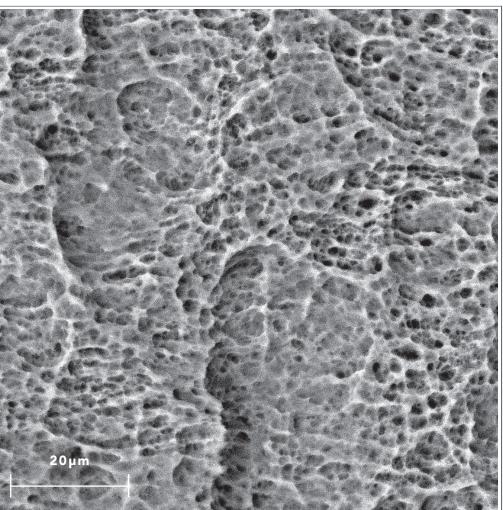
The Paltop implant system is a leader of innovative prosthetic solutions offering prefabricated prosthetic components suitable for all restorative indications. The concave design creates an optimal emergence profile by forming a dense layer of soft-tissue. The newly formed concave tissue architecture is maintained throughout the entire treatment.













FROM BDIZ EDI JOURNAL REPORT: SEM SURFACE ANALYSES OF 120 STERILE-PACKED IMPLANTS

"PALTOP has decided to consistently clean their products with ultra-pure water (UPW), which is rather expensive to produce, compared to regular demineralized water, and is otherwise mostly employed by the semiconductor industry. XPS analyses of the implant surface thus cleaned show no traces of sulphur, silicon, zinc or chlorine, inorganic impurities frequently found in the XPS analyses of the sandblasted and acid-etched surfaces of implants by other manufacturers. The corresponding EDX analysis shows only the typical elements for grade five titanium..." 9



The proprietary K-LEAN™ surface is created by two sequential stages: sandblasting, aimed at creating crater-shaped surface topography, followed by acid etching; intended to generate nano-crater-shaped structures. The surface treatment is completed by removing all contaminants using ultra-pure water (UPW), a unique process acquired from the semiconductor industry.



STERILE R LEADING IN PATIENT SAFETY

Paltop delivers sterile components throughout all treatment phases. The innovative implant packaging utilizes a titanium sleeve, designed to prevent potential contamination of the ultra-pure K-LEAN™ surface.





ONE KIT

FOR ALL PALTOP IMPLANTS

The Premium Surgical Kit is used for all Paltop implant designs. Suitable for all implant diameters: 3.0mm, 3.25mm, 3.75mm, 4.2mm, 5.0mm and 6.0mm.

EXPANDED TREATMENT CAPABILITY

3.0mm final drill now included to facilitate placement of the 3.0mm implant.

INCREASED DRILLING EFFICIENCY

The drills are manufactured by a leading provider of the highest quality rotary instruments that perform better, last longer and are color-coded according to diameter and length.

IMPROVED USER EXPERIENCE

State-of-the-art bending beam torque wrench now included.

IMPROVED CLEANING AND DISINFECTION

One-piece grommetless technology facilitates improved cleaning and disinfection of the surgical kit during the sterilization process (approved for use in surgical washer-disinfectors). For full cleaning and sterilization guidelines please refer to both the surgical kit and Paltop instructions for use.



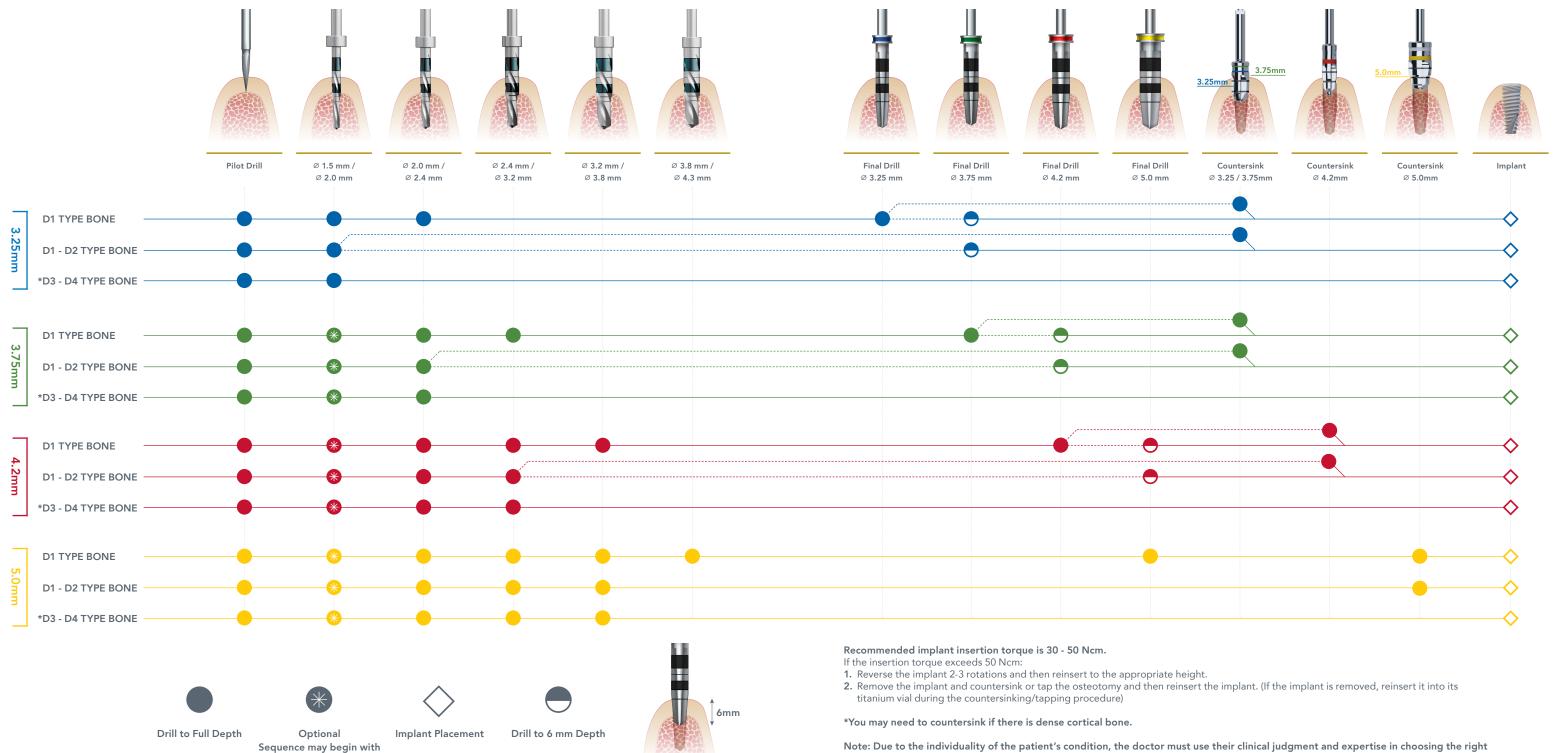




13

DRILLING

Ø 2.0 / Ø 2.4 drill



12

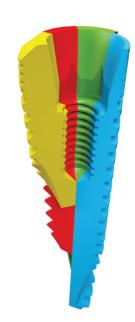
Note: Due to the individuality of the patient's condition, the doctor must use their clinical judgment and expertise in choosing the right protocol.





IMPLANT

SPECIFICATIONS



ONE PLATFORM ALL DIAMETERS

One prosthetic platform across all implant diameters simplifies the restorative workflow. The one prosthetic connection provides a variety of restorative options, providing efficiency and reduction in treatment complexity.













	Ø 3.25 mm	Ø 3.75 mm	Ø 4.2 mm	Ø 5.0 mm
6.0 mm	_	_	24-70005	24-70011
8.0 mm	_	24-70017	24-70006	24-70012
10.0 mm	24-70018	24-70001	24-70007	24-70013
11.5 mm	24-70019	24-70002	24-70008	24-70014
13.0 mm	24-70020	24-70003	24-70009	24-70015
16.0 mm	24-70021	24-70004	24-70010	24-70016
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*Disclaimer: Some products may not be regulatory cleared/released for sale in all markets.



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