



SCIENCE MEETS UNIQUE SOLUTIONS



MOLARIS

A KeystoneDentalGroup Brand

MOLARIS

WIDE

IMMEDIATE POSTERIOR INNOVATION

Supported by extensive research, the Molaris Implant Systems TILOBEMAXX® and I-HEXMRT™ pioneered “molar wide” 7, 8 and 9 mm diameter implants, designed for immediate placement in a molar extraction socket. The larger-than-conventional tapered implant body fits the natural shape as the implant engages with the bony perimeter walls achieving primary stability. The wider restorative platform allows for an emergence profile suitable for a molar restoration. Molaris implants with an enhanced surface and an adequate prosthetic platform help to minimize bone loss, support soft tissue and reduce treatment time.



IMPLANT OVERVIEW

MULTIPLE CONNECTIONS

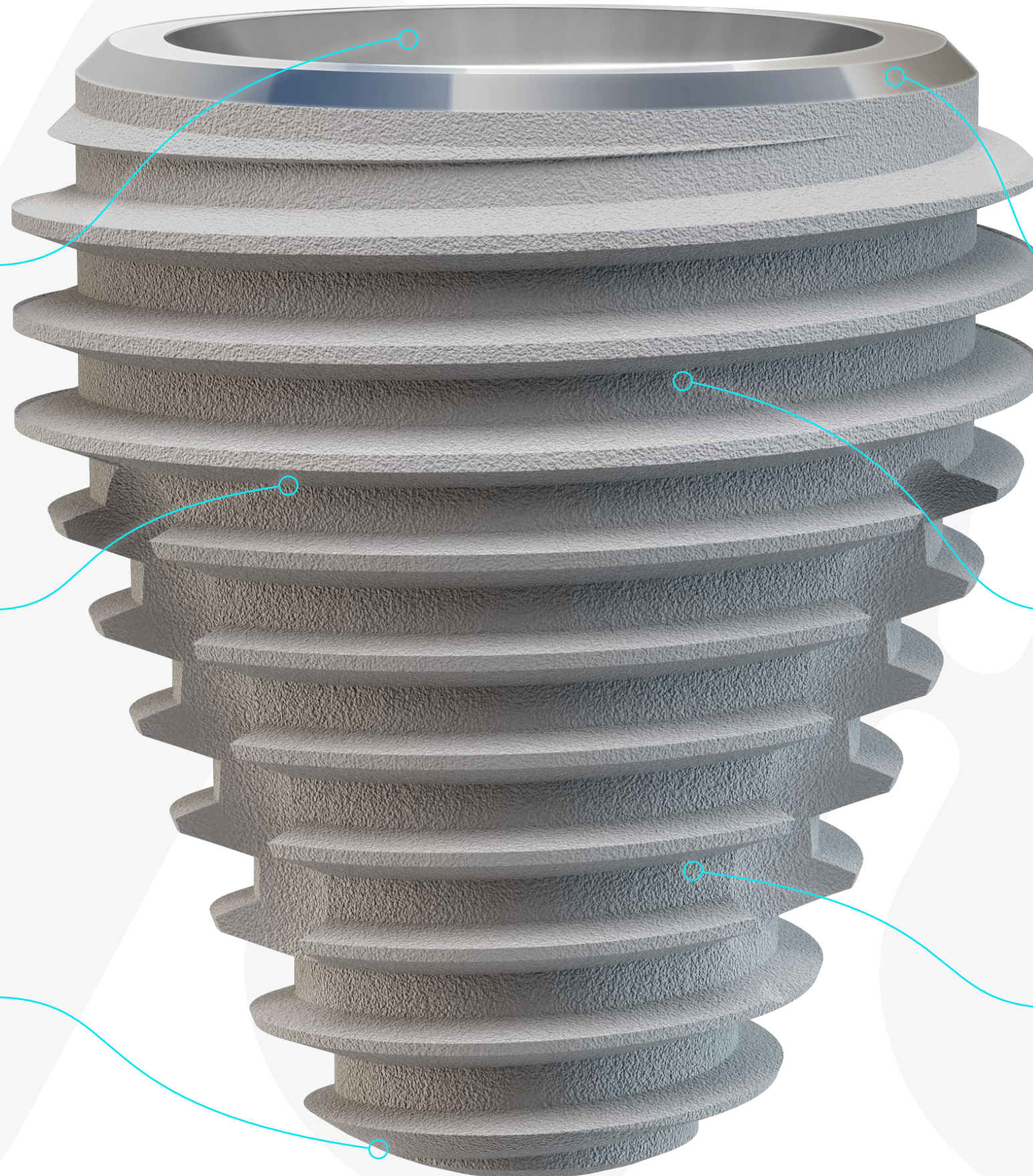
A versatile internal hex or a TiLobe® six-lobed internal connection provides a stable implant/abutment connection.

EXPANDING SHAPE

The wide body of the implant increases bone-to-implant contact for high primary stability in the molar extraction site.

ROUNDED APEX

The rounded apex protects the sinus floor and/or adjacent anatomical structures during implant insertion.



PLATFORM SWITCHING

The platform switch helps to maintain crestal bone and increase soft tissue volume around the implant platform.^{1,2,3}

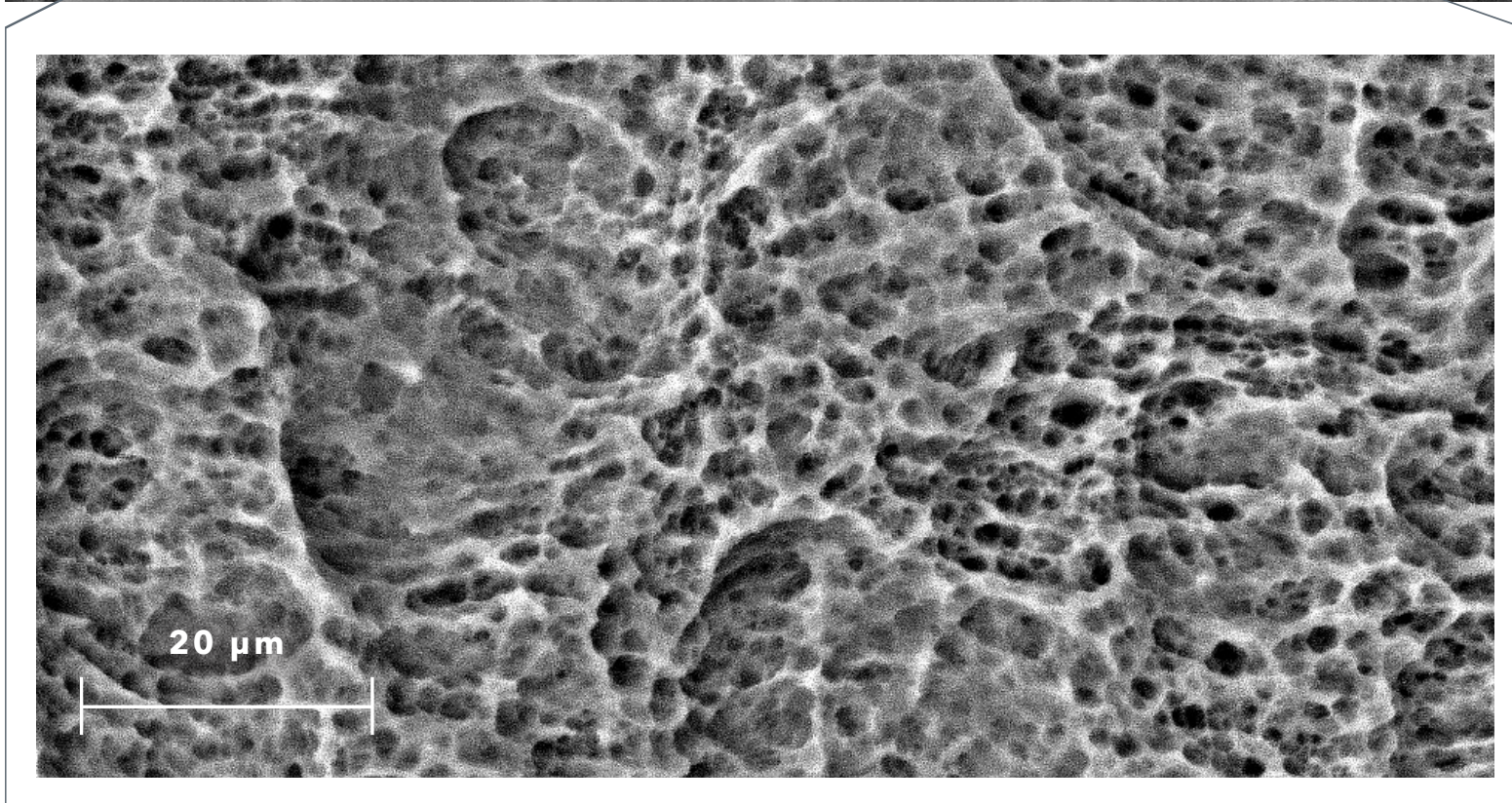
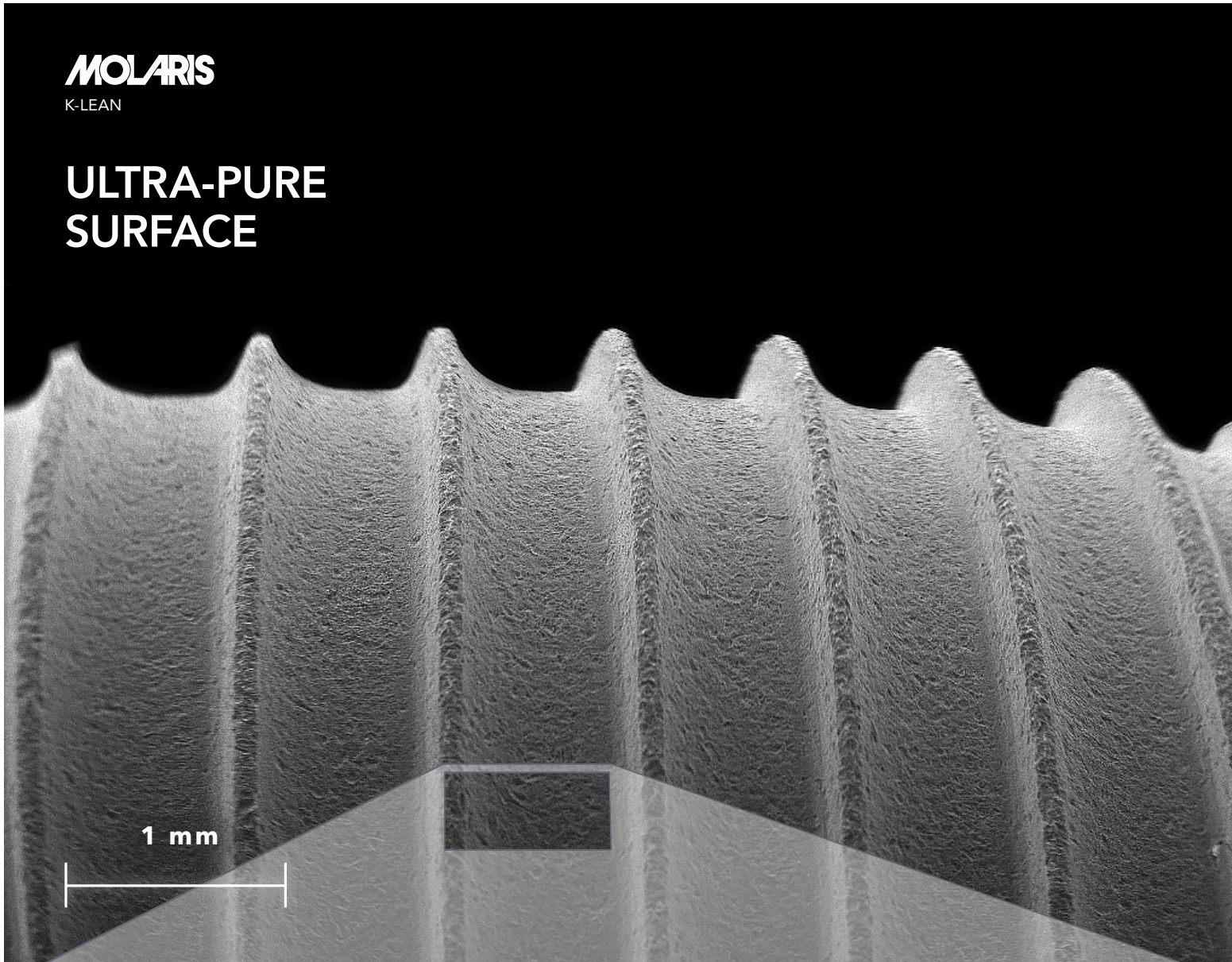
KLEAN

Sandblasted acid-etched surface, with an extensive multi-stage cleaning process, utilizes ultra-pure water (UPW) which removes undesired residues, providing a clean surface and maintaining an intact oxide layer.^{4,5,6}

TAPERED IMPLANT

Fully tapered implant body, with single-lead thread, allows for gradual bone condensing and engagement of the inter-radicular bone for high primary stability within the molar extraction site.

ULTRA-PURE SURFACE



KLEAN

The proprietary K-LEAN™ surface is created by two sequential stages: sandblasting, aimed at creating a porous surface topography, followed by acid etching, intended to generate micro-roughened surface structure. The surface treatment is completed by removing contaminants using ultra-pure water (UPW), a unique process acquired from the semiconductor industry.^{4,5,6}



STERILE R

LEADING in
patient **SAFETY**

The innovative implant packaging utilizes a titanium sleeve, designed to prevent potential contamination of the ultra-pure K-LEAN™ surface.



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

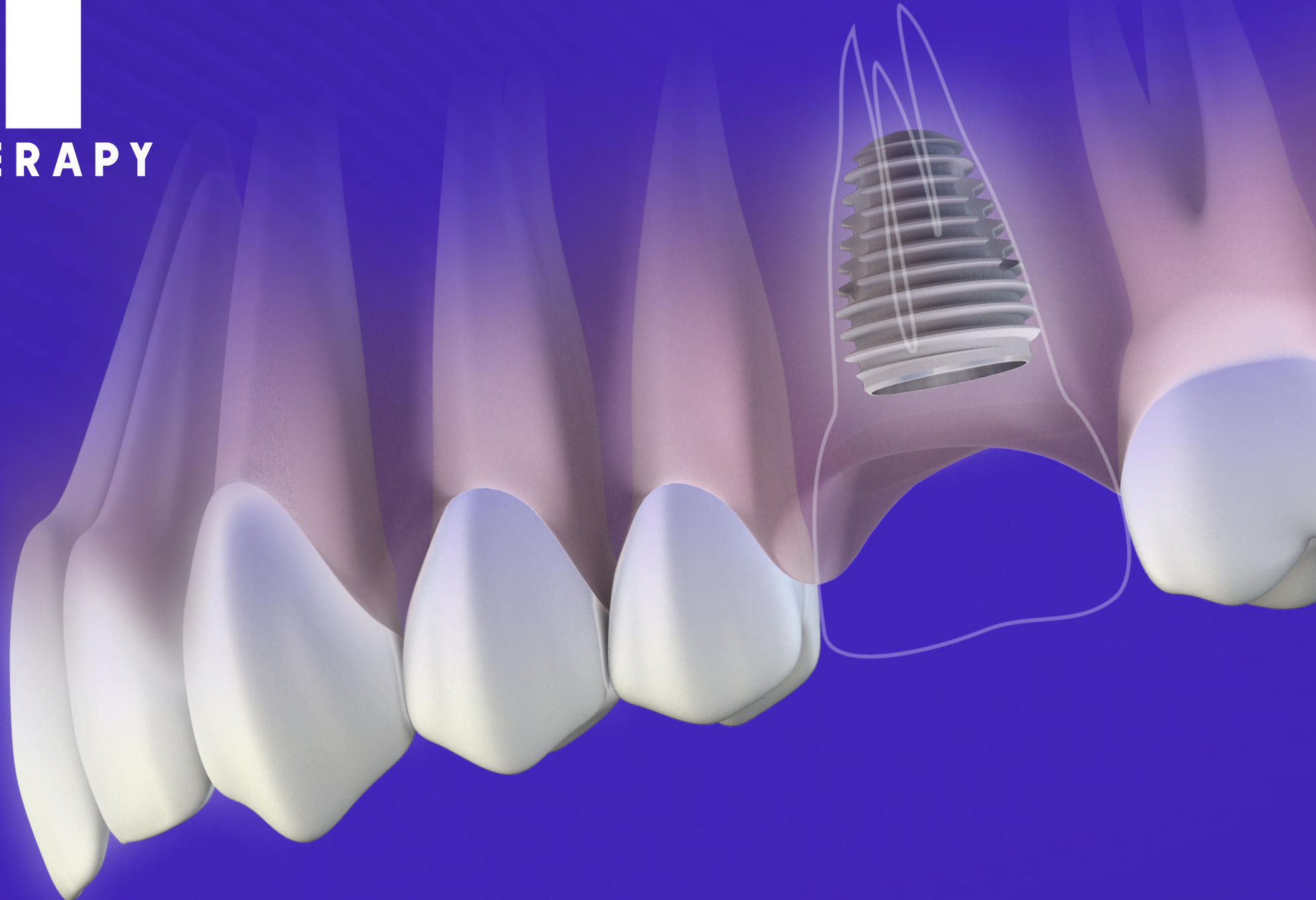
"PALTOP has decided to consistently clean their products with ultra-pure water (UPW), which is rather expensive to produce, compared to regular demineralized water, and is otherwise mostly employed by the semiconductor industry. XPS analyses of the implant surface thus cleaned show no traces of sulphur, 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 5 titanium..."⁶

MRT

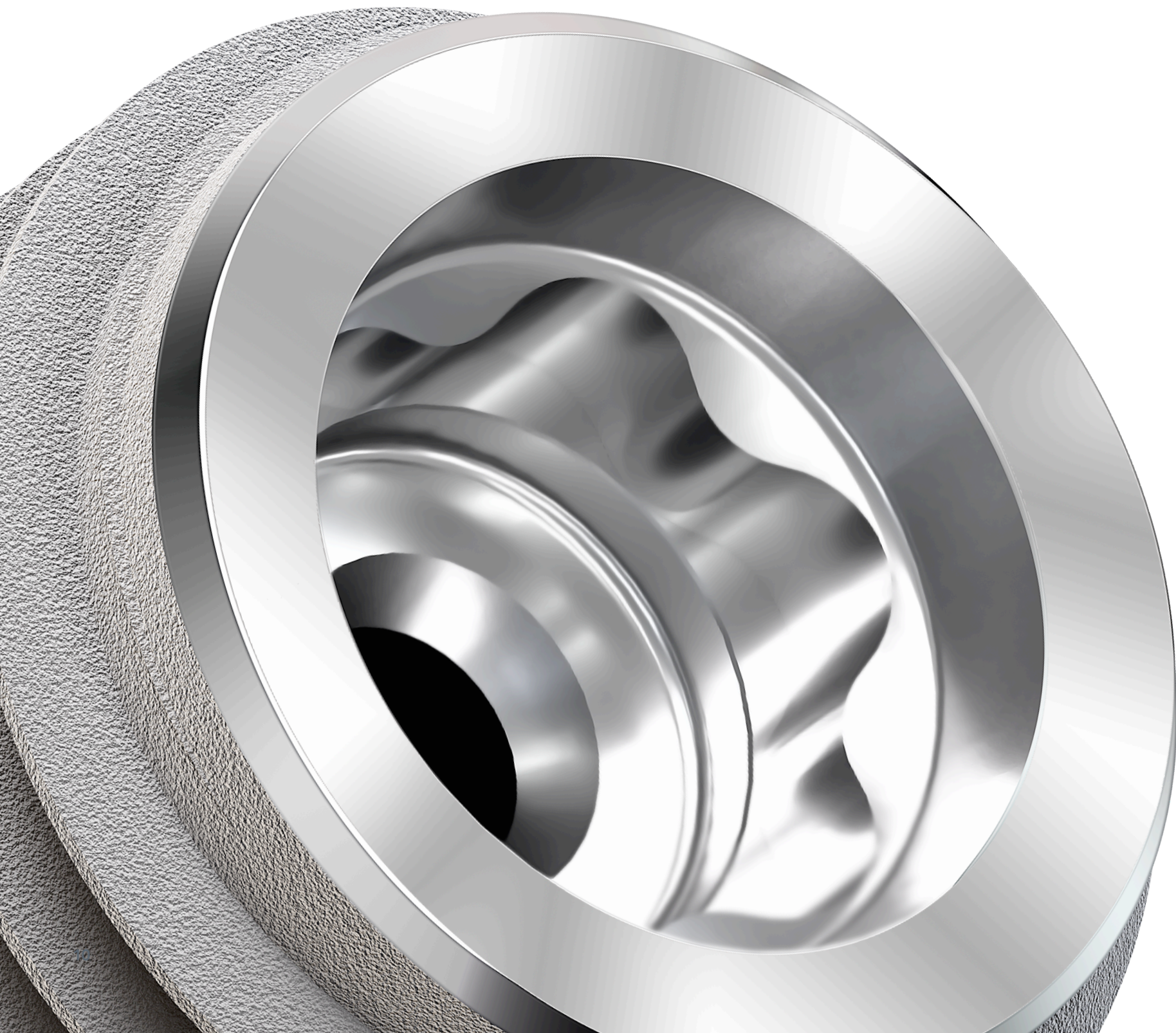
MOLAR REPLACEMENT THERAPY

**One Implant
One Surgery
One Visit**

Molar Replacement Therapy (MRT), an innovative treatment concept, can be achieved with the TILOBEMAXX® or the I-HEXMRT™ implants. These implants are designed to fit the natural architecture of a molar extraction site, providing implant stability and a restorative platform for an optimal prosthetic solution. MRT is a successful and predictable immediate treatment concept backed by published scientific studies.⁷⁻¹⁶ This treatment concept provides a practice differentiator and, most importantly, benefits patients by reducing the number of surgical procedures, overall treatment time and cost.



CLINICAL INSIGHTS



MOLARIS

SCIENCE MEETS UNIQUE SOLUTIONS



"The placement of the TILOBEMAXX® dental implant in immediate molar extraction sites has been a tremendous value to our practice and more importantly to our patients and referrals. The TILOBEMAXX® implant has significantly changed our management of molar extraction sites where we now provide predictable and highly successful immediate implant placement at the time of molar extraction. This technique has benefited our patients by reducing the number of surgical procedures and the overall treatment time, which translates to less appointments and less time away from home or work."

Michael Will, DDS, MD, FACS, Frederick, Maryland



"The TILOBEMAXX® implant is truly a game-changing development in implant dentistry. For immediate placement in molar extraction sites, particularly when there is no septal bone, the TILOBEMAXX® is not only the best choice, but quite often the ONLY choice! The superb initial stabilization along with its ideal wide prosthetic platform provides for predictable, anatomically compatible, and simplified outcomes in immediate molar implant restorations."

Richard B. Smith, DDS, New York, New York

CLINICAL INSIGHTS



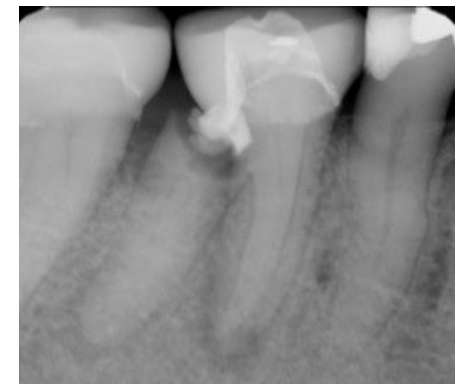
Post-op 12 Weeks Healing
Periapical X-ray of immediately placed TILOBEMAXX® 7.0 mm diameter implant in site #3.



Soft-tissue
Healing Abutment removed exposing the TiLobe® connection.



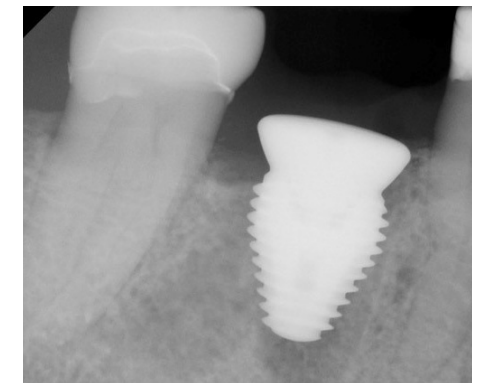
Final Crown
Final screw-retained monolithic zirconia crown for TILOBEMAXX®. The clinical screw utilized is the same for all implant diameters with a TiLobe® connection (from 3.5 to 9.0 mm).



Pre-op X-ray
Clinical X-ray with non-restorable tooth.



Molar Extraction
Atraumatic molar extraction site.



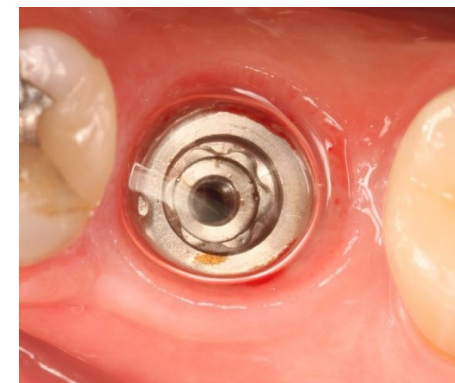
Implant Placed
TILOBEMAXX® 7.0 mm diameter implant with 8.0 mm x 3.0 mm healing abutment placed at time of surgery.



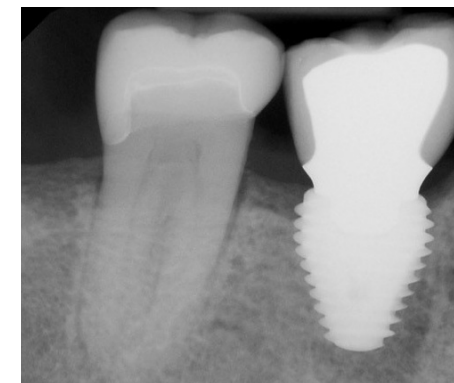
Occlusal View
Final screw-retained implant crown in place with proper contacts with adjacent teeth, before restoring the screw access hole.



Buccal View
The TILOBEMAXX® wide platform allows for the proper molar emergence profile, embrasure form, and interproximal contacts.



Post-op 12 Weeks Healing
Healing Abutment removed exposing the TiLobe® connection.



Final Crown
Final restoration for TILOBEMAXX®.

Courtesy: Mariano Polack, DDS, MS, and Joseph Arzadon, MD, DDS, PC

Courtesy: Richard B. Smith, DDS

IMPLANT SPECIFICATIONS

TL TiLobe Connection

IH Internal Hex Connection

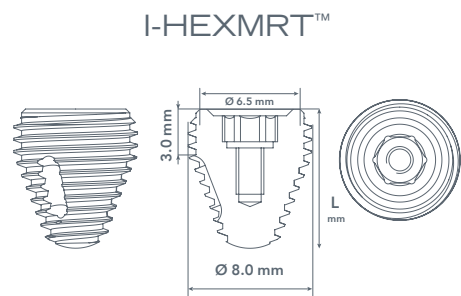
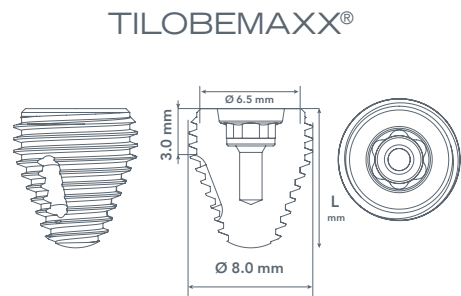


7.0 **8.0** **9.0**

	7.0 mm	8.0 mm	9.0 mm
Platform	5.7 mm	6.5 mm	7.5 mm
7.0 mm	15705K	15708K	15711K
9.0 mm	15706K	15709K	15712K
11.0 mm	15707K	15710K	15713K

7.0 **8.0** **9.0**

	7.0 mm	8.0 mm	9.0 mm
Platform	5.7 mm	6.5 mm	7.5 mm
7.0 mm	15864K	15867K	15870K
9.0 mm	15865K	15868K	15871K
11.0 mm	15866K	15869K	15872K



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