STRAUMANN® TLX IMPLANT SYSTEM

Iconic Tissue Level meets Immediacy.

System overview

ICONIC TISSUE LEVEL MEETS IMMEDIACY.

The design of the Straumann® TLX Implant takes into account key biological principles of hard and soft tissue healing. It is designed to significantly reduce the risk of inflammation and bone resorption as the implant-abutment interface is moved away from the bone.

Straumann® TLX has been perfected for immediacy and is an excellent solution for all other indications to suit the dentist's preferred treatment protocol – ranging from immediate to conventional placement and loading.

The Straumann® TLX Implant System perfectly complements our bone-level BLX Implant System. Both systems use one common drill set and TorcFit™ connection for maximum compatibility with minimum investment.

DESIGNED FOR IMMEDIATE PROTOCOLS

- Fully tapered implant design for optimized primary stability combined with the predictability of Tissue Level Implant
- A narrow implant diameter option, 3.75 mm for all indications

PERI-IMPLANT HEALTH PRESERVATION

- Reduced risk of nesting bacteria
- Optimized cleansability with the connection at the soft-tissue level
- Immediate soft-tissue attachment preservation

SIMPLICITY AND EFFICIENCY

- A one-stage process with restoration at soft-tissue level allows you to use chair time more efficiently
- Ease of restoration even in the posterior region
- Highly efficient treatment protocol thanks to straightforward conventional and digitally integrated workflows

DYNAMIC BONE MANAGEMENT

- Redistribution of native bone and control over insertion torque

REAL CONFIDENCE

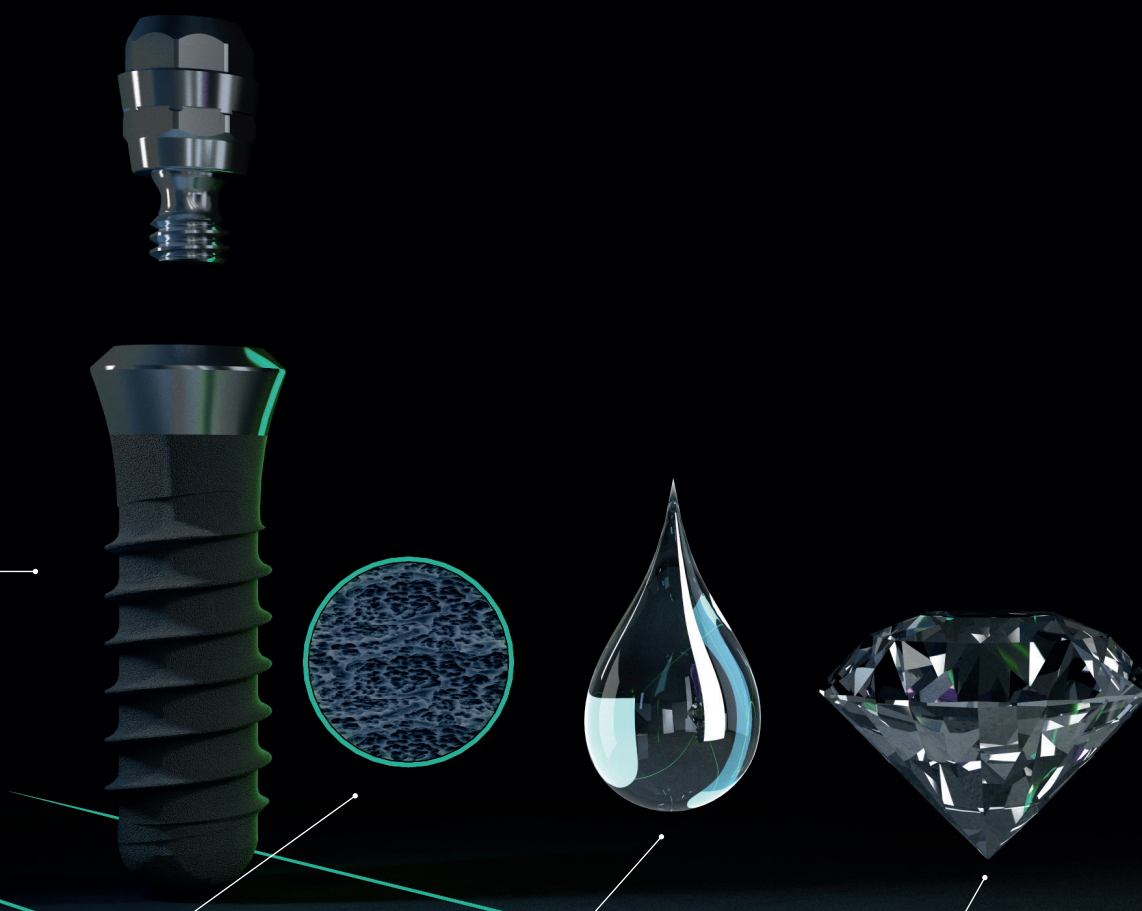
- Swiss precision and quality with Roxolid® material and SLActive® surface

Every single time using TLX, I am left amazed and surprised with the results. I am experiencing a soft tissue response that I have never seen before. Following the same protocols as I always did, instead of good results we now have even better outcomes. The fundamental enhancement is unbelievable tissue response, and in challenging areas the tissue forgiveness is superb. For this reason I just can't stop using it. My full arch and single tooth experience with TLX is very rewarding, not only for me but for our patients. Many times over the years with immediacy; I wished for a product like TLX.

Dr. Abid Faqir

TLX IMPLANT SYSTEM

The next stage of evolution for Tissue Level Implants.



1986

Straumann® Tissue Level
Classic standard for timeless confidence.
► 30 YEARS OF DATA

1997

Straumann® SLA®
Longevity and efficiency in daily practice.
► 20 YEARS OF DATA

2005

Straumann® SLActive®
Performance beyond imagination.
► 15 YEARS OF DATA

2009

Straumann® Roxolid®
More than solid – Roxolid®. Reducing invasiveness.
► 10 YEARS OF DATA

2019

BLX Implant System
Confidence beyond Immediacy.
► 200'000+ IMPLANTS PLACED

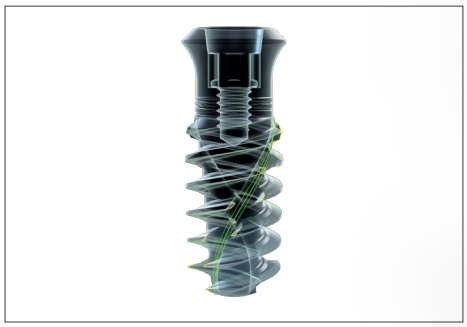
2021

TLX Implant System

Iconic Tissue Level meets Immediacy.

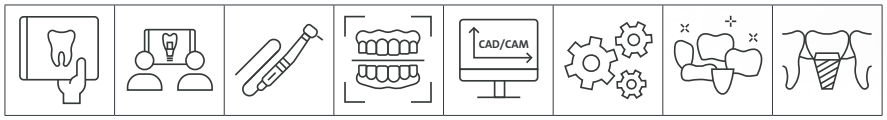
STRAUMANN® TLX IMPLANT SYSTEM HIGHLIGHTS

We have built on and perfected our well established scientifically proven Straumann® Tissue Level System, to take it to the next level.



DESIGNED FOR IMMEDIATE PROTOCOLS

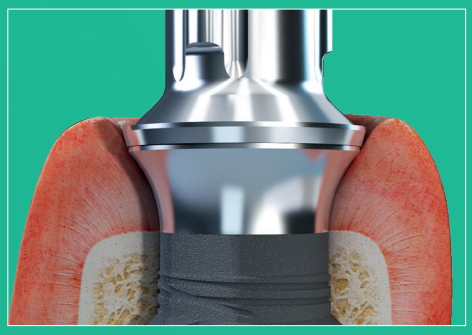
Developed for optimal primary stability and immediate protocols in all bone types.



Data Acquisition | Planning | Surgery | Impression | Design | Production | Post Processing | Final Restoration

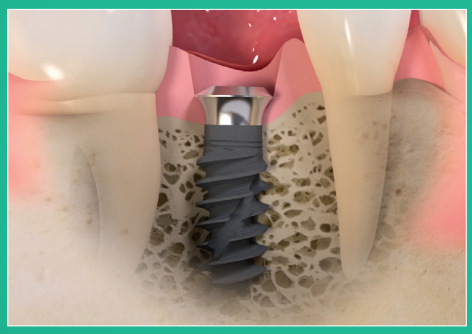
BORN DIGITAL

Fully integrated in digital workflows. From the implant planning to the final customized prosthetic.



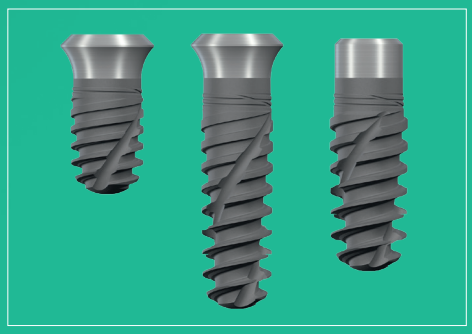
PERI-IMPLANT HEALTH PRESERVATION

No gap at bone level. Designed for outstanding long-term results. The right choice for the patients, also with periodontal conditions history.



SIMPLICITY AND EFFICIENCY

- → Built-in emergence profile and simple soft-tissue management.
- → Transgingival healing. No second stage surgery.
- → Clear view and accessibility of the connection, even in the posterior region.



REDUCING INVASIVENESS

- → Short implant option.
- → A narrow implant diameter option, 3.75 mm for all indications.
- → Multiple narrow neck options for limited space. Now for all indications.

DESIGNED FOR IMMEDIATE PROTOCOLS

The intelligent implant concept developed for optimal primary stability and immediate protocols in all bone types.

DYNAMIC BONE MANAGEMENT

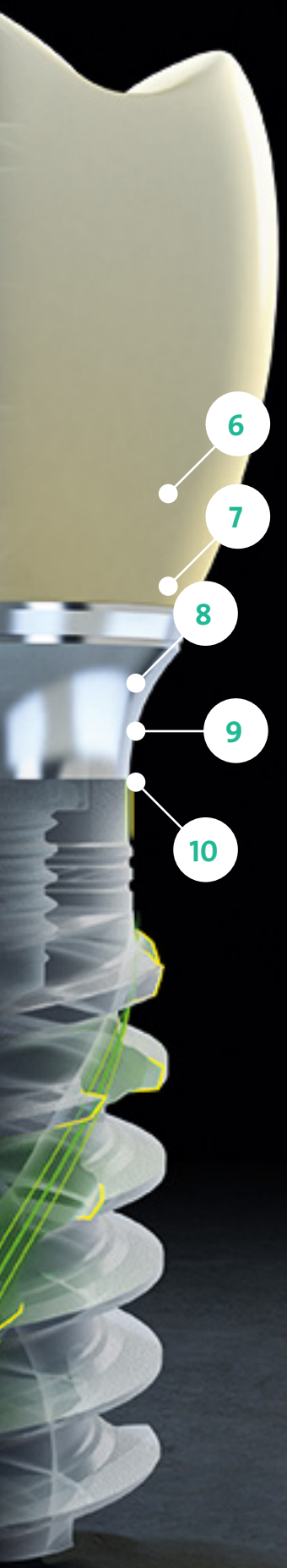
1. **VARIABLE THREAD DESIGN**
   Thin and progressive thread design for high primary stability and efficient insertion

2. **SLIM AND FULLY TAPERED IMPLANT CORE**
   Allows for small and undersized osteotomy

3. **FULL LENGTH DYNAMIC CHIP FLUTE**
   Collects and condenses native bone chips and distributes them around the implant body

4. **BI-DIRECTIONAL CUTTING ELEMENTS**
   Designed for reverse and forward cutting control and flexibility during implant insertion

5. **DEEP APICAL THREADS**
   Large anchoring surface for immediate engaging and stability



PERI-IMPLANT HEALTH PRESERVATION

6 SIMPLICITY AND EFFICIENCY

Simple prosthetic portfolio working at soft tissue level reducing cementation challenges

7 EASY HYGIENE MAINTENANCE

To make patients life easier

8 BUILT-IN EMERGENCE PROFILE

Enhances shaping of soft tissue

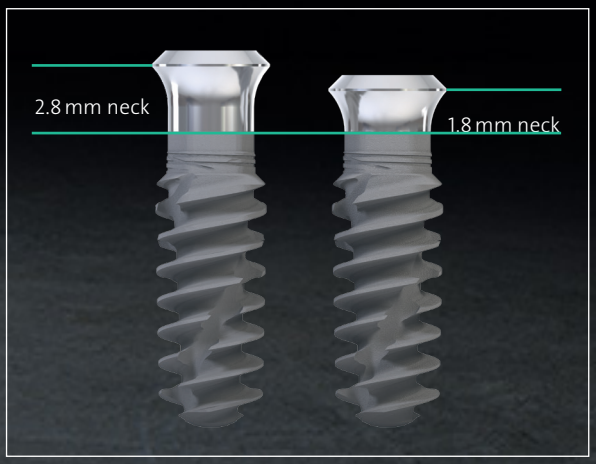
9 MACHINED COLLAR

Manages the healing of peri-implant tissue and preserves soft tissue that forms around the implant during healing phase

10 NO MICRO-GAPS IN THE CRITICAL HEALING ZONE

Implant-abutment interface is positioned above bone level

2 NECK HEIGHTS



Two neck heights to facilitate different gingiva situations

REAL CONFIDENCE

Swiss precision and quality with innovative technologies backed by long-term scientific evidence and fully integrated in our digital solutions workflows. Designed for predictable results you can trust.

Roxolid®

Reducing invasiveness with smaller implants

→ Preserves vital structures and vascularization[1,2]

→ Increases treatment options in challenging anatomical situations and narrow interdental spaces[2,3]

SLActive®

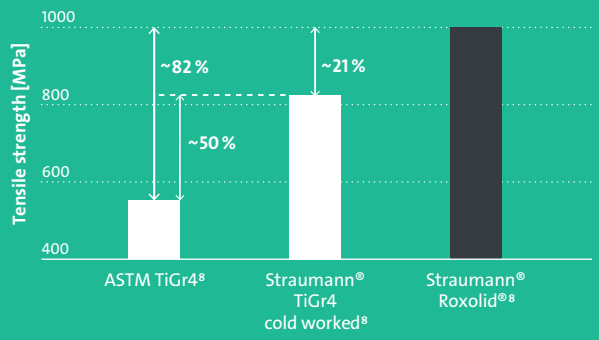
→ Reduces initial healing time to 3–4 weeks*[13–18]

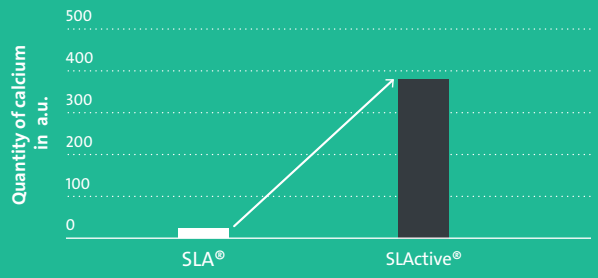
→ 98.2 % implant survival rate in immediate loading after 10 years[4]

→ Enhanced bone regeneration even at compromised sites[7]

→ 100 % implant survival rate in irradiated patients with compromised bone after 5 years[5,6]

*Healing time defined by BIC and stability.





Mineralization after 21 days[9]

The future in implant dentistry is with neck designs combining a smooth surface in the trans-mucosal area with a micro-rough surface inside the bone. As the Derks study showed, moving the micro-gap away from the bone and having a smooth surface in the peri-implant sulcus reduces the risk of peri-implant complications. TLX combines this concept with an innovative endosteal design, ensuring optimal primary stability, and will open a range of new clinical possibilities.

Prof. Daniel Buser

A SOURCE OF CONFIDENCE. PROVEN CLINICAL ADVANTAGES.

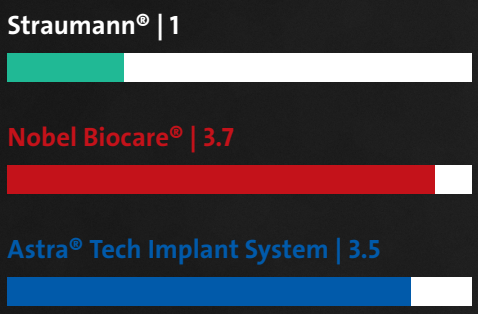
DESIGNED TO PRESERVE PERI-IMPLANT HEALTH[10]

Straumann® Tissue Level Implant design takes into account the key biological principles of hard and soft tissue healing. Simulating the natural situation of biological width formation is crucial for the health of peri-implant tissues. Preserving the tissues and attachments formed around the implant helps ensure long-term treatment success and significantly reduces the risk of inflammation and bone resorption.[11,12]
This iconic design has proven its efficacy and will continue to provide long-term peace of mind, time after time.

PROVEN STANDARD OF EXCELLENCE

A large independent study on peri-implantitis[10] demonstrated substantial differences between implant systems and the occurrence of peri-implantitis. The probability of being diagnosed with peri-implantitis nine years after implant therapy was lowest with the Straumann® Tissue Level SLA® Implants compared to alternative systems.

Odds ratios of peri-implantitis nine years after implant placement[10]



98.3 % Nobel Biocare® implants with the TiUnite® surface
96.6 % Astra® Tech implants with TiOblast® surface
All Straumann® TL Implants with SLA® surface

SIMPLICITY AND ...

Prosthetic portfolio, designed to meet the needs of all treatment workflows and focusing on immediate protocols.

SIMPLE AND COMPREHENSIVE PROSTHETIC SOLUTIONS

Prosthetic at soft tissue level is simple and reduces cementation challenges. Meeting a wide range of prosthetic needs: straightforward, high esthetics, advanced.

STRAIGHTFORWARD

Cost-effective solution with standard components and techniques for straightforward cases.

HIGH ESTHETICS

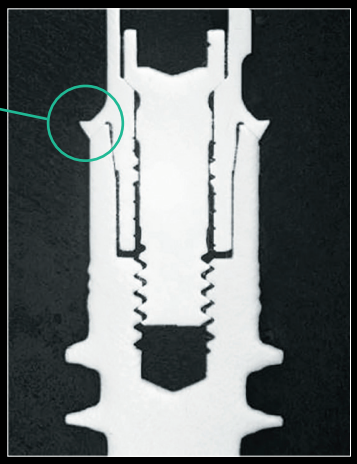
Solution for cases requiring an enhanced degree of individualization combined with zirconia for high esthetics, or high noble gold alloys.

ADVANCED

Technically advanced solution for cases requiring an enhanced degree of individualization. Perfectly adapted to the digital workflow.

TorcFit™ Connection

Tight connection sealing

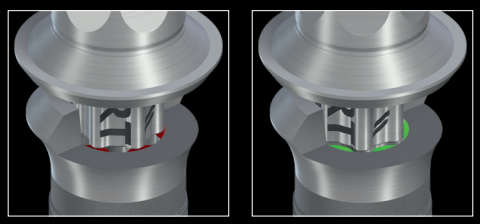


Delivers high flexibility and high strength.

Ease of handling:

→ Simple abutment placement at the soft-tissue level

→ Easy handling of direct-to-implant restorations



Abutment screw engages in implant only if seated correctly. So no hassle to confirm proper seating by x-ray.

... EFFICIENCY

For a complete overview of the DIGITAL PRODUCTS AND SERVICES, like Smile in a Box® visit our website:

BORN DIGITAL

Fully integrated in the Straumann Group Digital Solutions ecosystem.

STRAUMANN® MODULAR CASSETTE

A cassette that grows with you

→ One surgical protocol for TLX and BLX.

→ VeloDrill™: cool drilling, no collateral tissue damage

STRAUMANN® BIOMATERIALS

Advanced solutions for immediate treatment protocols:

→ Straumann® XenoGraft: Natural, bovine bone substitute for extended stability

→ Jason® membrane: Thin and tear-resistant membrane with a long barrier function, derived from native collagen from porcine pericardium

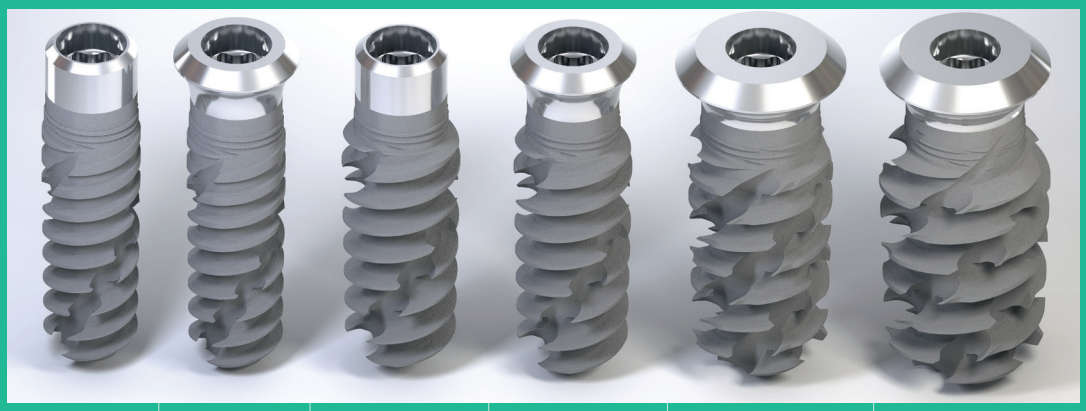
→ mucoderm®: Stable, easy-to-handle collagen matrix derived from porcine dermis for soft-tissue augmentation; it reduces morbidity and increases patient comfort compared to autogenous grafts

STRAUMANN® TLX IMPLANT SYSTEM

We have built on and perfected our well established scientifically proven Straumann® Tissue Level System, to take it to the next level.

Wide range of implant diameters and lengths

TorcFit™ Connection



NT	RT	NT	RT	WT	WT
Narrow TorcFit™	Regular TorcFit™	Narrow TorcFit™	Regular TorcFit™	Wide TorcFit™	Wide TorcFit™
Ø3.75		Ø4.5		Ø5.5	Ø6.5
6 mm, 8 mm, 10 mm, 12 mm, 14 mm, 16 mm, 18 mm				6 mm, 8 mm, 10 mm, 12 mm	
All indications					

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International Headquarters
Institut Straumann AG
Peter Merian-Weg 12
CH-4002 Basel, Switzerland
Phone +41 (0)61 965 11 11
Fax +41 (0)61 965 11 01
www.straumann.com

straumann