Going to the **X**treme
for Primary Stability and
Peri-Implant Health

TSX®
Implants

ZimVie

ZimVie DENTAL SOLUTIONS

Xcellence Engineered

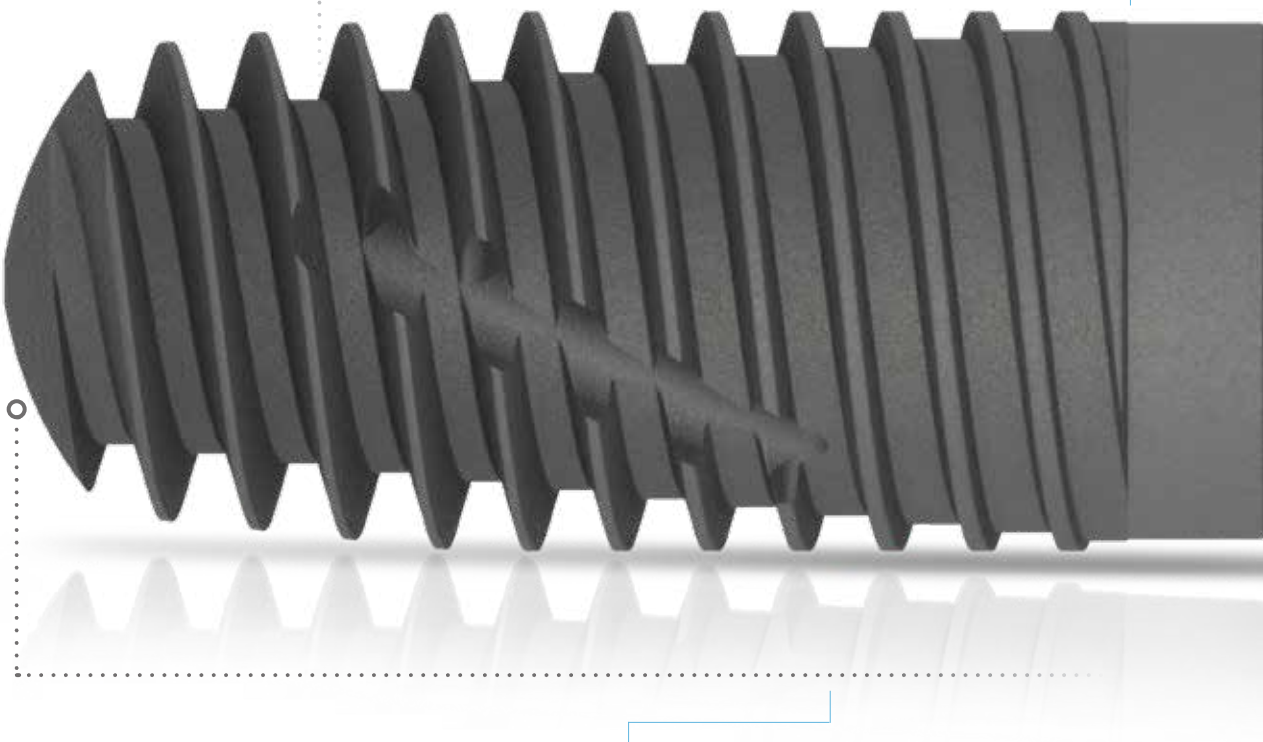
Next Generation Immediacy Meets Clinical Confidence

XTRACTION STABILITY

Deep apical threads and extraction protocol facilitate immediate placement (>35 Ncm in extraction testing in vitro)[1*]

PERI-IMPLANT HEALTH ZONE

Contemporary Hybrid Surface: Coronal 1.5 mm with proprietary dual acid-etched (DAE) texturing, attractive to bone, not to bacteria[1-5, 12-14*]



IMMEDIACY AS XPECTED

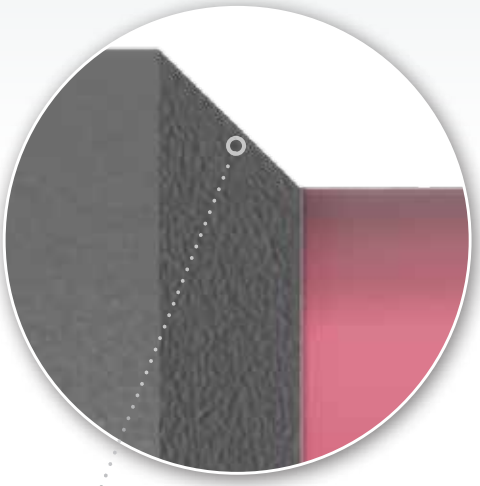
Progressive threads and taper follow the prepared osteotomy for placement predictability and high stability (>70 ISQ in vitro dense bone)[1*]

OSSEOINTEGRATION ZONE

Proprietary MTX™ Surface, with high osteoconductive potential and over two decades of clinical success[1, 7,8*]

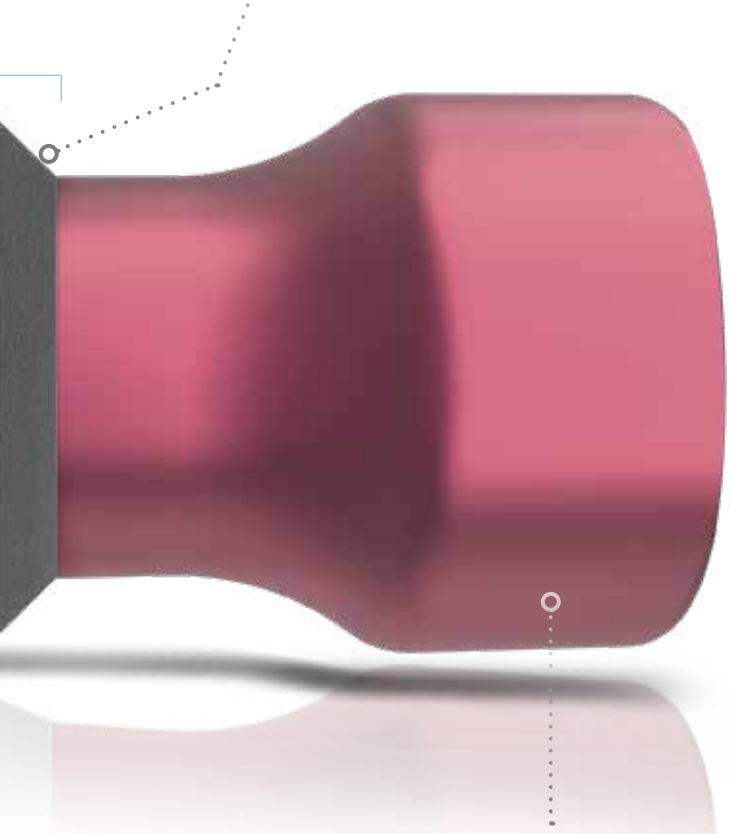
CRESTAL BONE MAINTENANCE

Platform switching offers a proven strategy to maintain crestal bone levels[6]



FAMILIAR, TRUSTED PROTOCOLS

Compatible with existing TSV® and Eztetic® surgical and restorative components**



New!
5.4 mmD Implants

ENCODE® EMERGENCE EFFICIENCY

Tissue seal from placement to restoration, a strategy to lower peri-implantitis risk[9]

*Pre-clinical studies may not be indicative of clinical performance.

** Not compatible with Zirconia Abutments.

Xceptional Immediacy

Taking Xtraction Site Stability to the Next Level

TSX Implants offer Xtra apical engagement, making them a great choice for immediate extraction sites.[1*]

Xtraordinary Bone Engagement

Achieves High Apical Stability

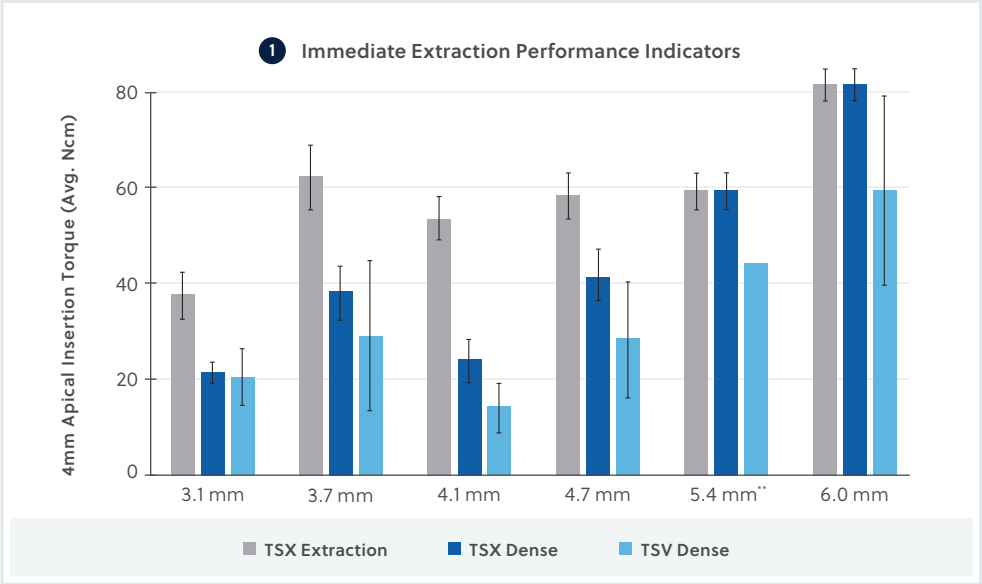
The TSX® Implant achieves high apical stability via Initial Bone-to-Implant Contact (IBIC), the percentage of bone in contact with the implant immediately at implant placement. IBIC is strongly correlated to implant primary stability.[10]

1 **TSX APICAL STABILITY RESULTS[1*]**

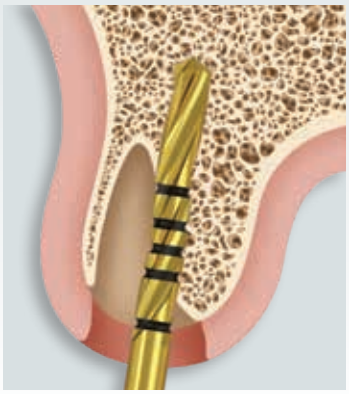
- > 35 Ncm apical torque in TSX extraction protocol
- 25% more implant surface area in contact with bone upon insertion than the TSV Implant (in TSX extraction protocol)

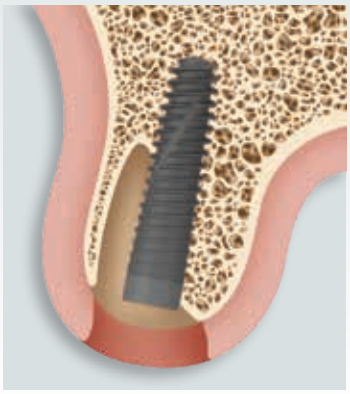
(Data from in vitro testing engaging only the apical 4 mm of the implant; untapped averages).

APICAL ENGAGEMENT:
4.7 mmD x 11.5 mmD



**TSV 5.4 mmD dense bone apical torque is theoretical and extrapolated from other TSV data points.





Placement Predictability

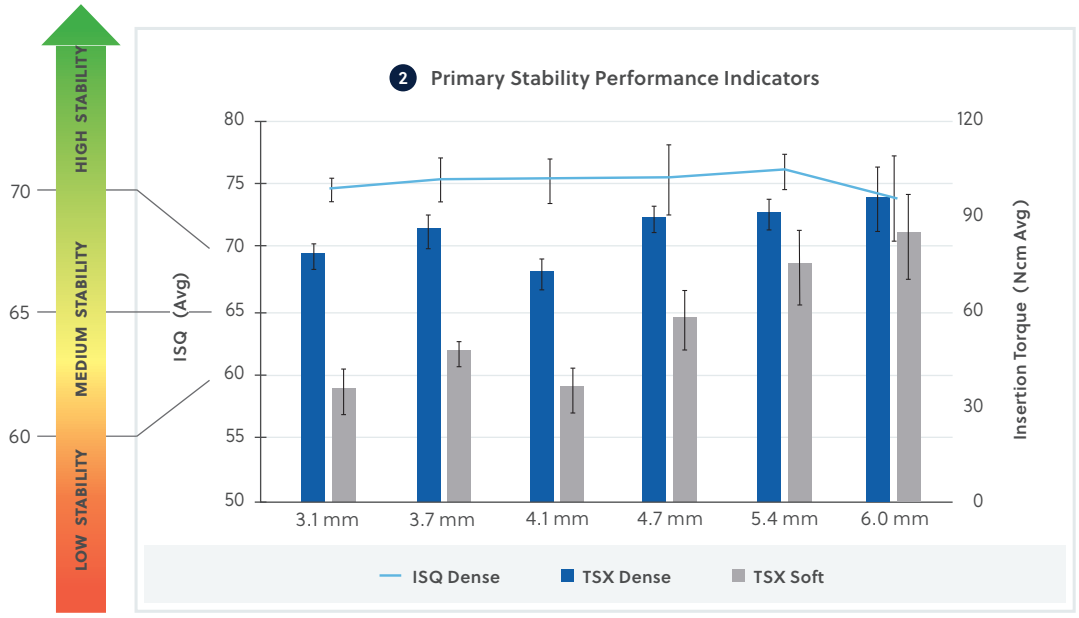
Designed to follow the drilled osteotomy

Unlike some very aggressive implants that can track off the desired course during placement, the TSX Implant is not designed to change direction during seating, aiding in placement predictability.

2 TSX PRIMARY STABILITY RESULTS[1*]

- > 70 Implant Stability Quotient (ISQ) in dense bone
- > 70 Ncm insertion torque in dense bone protocol
- > 60 Ncm insertion torque in soft bone protocol

(Data from in vitro testing in traditional osteotomy; untapped averages).



*Pre-clinical studies may not be indicative of clinical performance.
The Osstell ISQ Scale is a summary of scientific data and not an official recommendation by Osstell or ZimVie.

Xciting Advantages

Supporting Peri-implant Health and Crestal Bone Maintenance

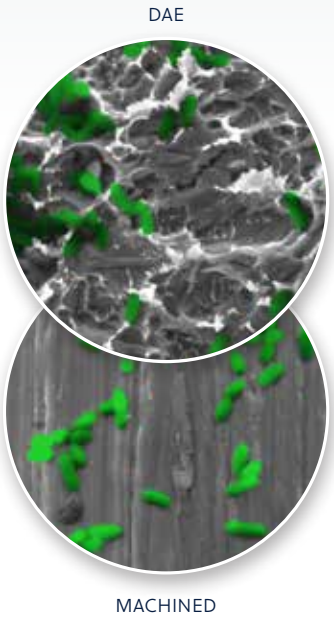
Peri-Implant Defense

The TSX Implant leverages long-term evidence that the proprietary coronal dual acid-etched (DAE) surface Xcels in peri-implant health and crestal bone maintenance.[3]

Lower Biofilm Potential

Bacterial colonization promotes biofilm formation and peri-implantitis risk.[11] Minimally rough surfaces like the coronal DAE Surface exhibit similar bacterial adhesion profiles to smooth machined surfaces that are considerably lower than other rougher surfaces tested.[1,2, 12-14*]

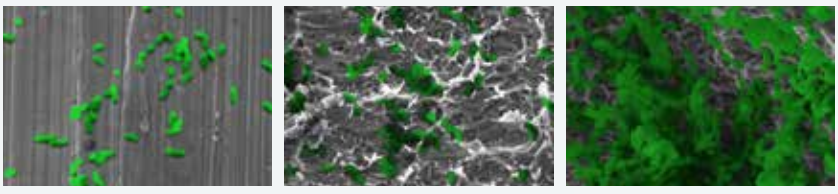
Therefore, the DAE surface may lower the risk of biofilm formation and peri-implantitis[11] while offering Xcellent osseointegration potential to maintain crestal bone.[3-5]



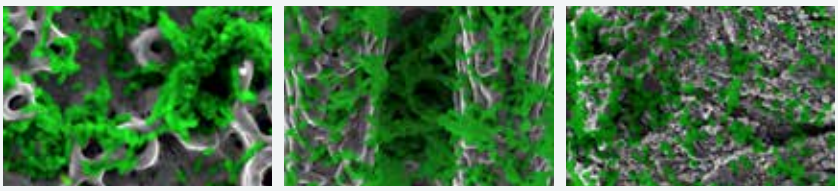
DAE Surface and machined titanium present similar bacterial adhesion profiles.

Commercially Available Coronal Surfaces

Bacterial adhesion to rough surfaces shown to be significantly higher than DAE and machined titanium.[1, 2*]



Machined Titanium | DAE | Straumann BLT-SLA

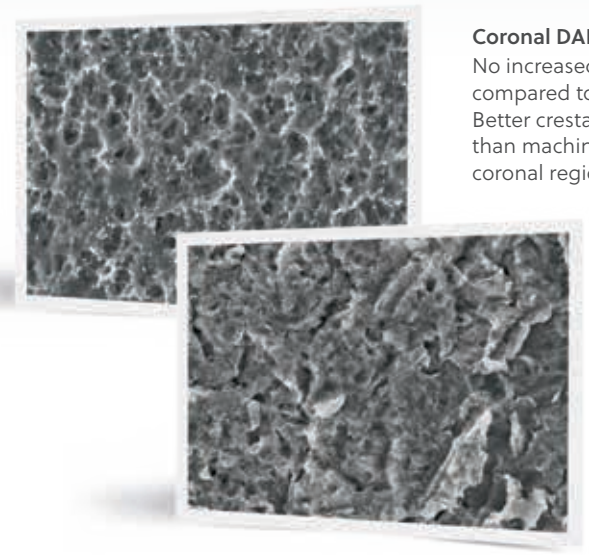


Nobel TiUnite | BioHorizons LaserLok | Astra Osseospeed

Note: Adhered bacteria colorized green; gray areas are implant surfaces.

Contemporary Hybrid Surface

The TSX Implant leverages decades of clinical history in its combination of surface technologies shown to balance peri-implant needs in the coronal and sub-coronal regions.[1-5, 12-14 *]



Coronal DAE Surface
No increased risk of peri-implantitis compared to machined titanium. Better crestal bone maintenance than machined titanium in the coronal region.[1-5, 12-14]

MTX Surface
High osteoconductive potential and over two decades of clinical success.[1, 7, 8]

Maintain the Mucousal Barrier

The Encode Emergence 3-in-1 Healing Abutment, Impression Coping and Scanbody preserves the peri-abutment mucosal interface from initial placement until the final restoration, an efficient method that may lower peri-implantitis risk.[9]

*Pre-clinical studies may not be indicative of clinical performance.

Xcellerated Workflow

Digital Dentistry Solutions

Our suite of digitally integrated workflows offers diverse solutions for a precisely positioned and aesthetically restored TSX Implant. Efficient and versatile workflows provide an improved patient experience, even in demanding clinical situations, and immediate protocols.

iTero™

MEDIT

RealGUIDE®
UNIVERSAL OPEN SYSTEM

implant concierge®

Scan

Enhance accuracy, efficiency, and aesthetic outcomes in your practice with the iTero Lumina™ and Medit Intraoral scanners.

Plan

The RealGUIDE® Software Suite offers everything you need for precise planning and predictable placement of the TSX Implant.

Guide

Implant Concierge® is a web-based platform that acts as your Virtual Treatment Plan Coordinator™ – the one-stop shop for your guided surgery needs.

- Choose your preferred path – from TSX Implant surgical planning to fully guided placement, and restorative design.
- Do the planning and designing yourself or outsource to your chosen lab or one of ZimVie's skilled partners.
- Xplore all the customized options along the way to a healthy patient smile!

Place
Take the complexity and inaccuracies out of guided surgery by using the RealGUIDE® Z3D™ Guided Surgery Kit.

Heal and Scan
Naturally shape the soft tissue and efficiently process the final restoration with the easy-to-use Encode Emergence Impression System. Proven Encode Technology, contemporary emergence profile designs, intuitive codes and pink matte appearance.

Restore
Select between CAD/CAM abutments and GenTek® Ti-Bases for the final custom restoration, designed to match the patient's anatomy, producing a natural emergence profile through the soft tissue.

Smile!
Digitally Mastered TSX Smiles!

Xtensive Options

Efficient and Flexible Solutions Compatible with TSX

Familiar protocols from a trusted leader in the dental implant industry

ZimVie provides a comprehensive system of surgical, restorative and digital dental solutions.

The innovative TSX Implant System includes the tools you need to master immediate implants with greater efficiency, and more predictability – to aid in successful patient outcomes.

Dríva® Gold Series Drills

High Torque-indicating Ratchet Wrench

Surgical Compatibility

The TSX Implant is compatible with TSV and Eztetic surgical instrumentation, soft and dense bone protocols and the Dríva Gold Series Drills.

Dynamic Torque Feedback

The High Torque-Indicating Ratchet Wrench (ZTIRW) indicates insertion torque from 50 to 90 Ncm and may be utilized without pulling on the torque-indicating arm up to 150 Ncm.

TSX IMPLANTS

Platform Switching

New!
5.4 mmD implants

GenTek
Ti-Base Abutments

GenTek Pre-Milled
Abutment Blanks

Xperience TSX
For Xcellent Results

Ordering information

TSX Dental Implants

Includes cover screw and optional alignment pin to aid in guiding parallelism.

Implant Diameter	Implant Platform	Internal Hex Connection	Implant Length				
			8 mmL	10 mmL	11.5 mmL	13 mmL	16 mmL
3.1 mmD	2.9 mmD	2.1 mmD*	TSX31B8	TSX31B10	TSX31B11	TSX31B13	TSX31B16
3.7 mmD	3.5 mmD	2.5 mmD	TSX37B8	TSX37B10	TSX37B11	TSX37B13	TSX37B16
4.1 mmD	3.5 mmD	2.5 mmD	TSX41B8	TSX41B10	TSX41B11	TSX41B13	TSX41B16
4.7 mmD	3.5 mmD	2.5 mmD	TSX47B8	TSX47B10	TSX47B11	TSX47B13	TSX47B16
5.4 mmD	4.5 mmD	2.5 mmD	TSX54B8	TSX54B10	TSX54B11	TSX54B13	TSX54B16
6.0 mmD	4.5 mmD	2.5 mmD	TSX6B8	TSX6B10	TSX6B11	TSX6B13	TSX6B16

Note: The 4.7 mmD implant features a green color-coded 3.5 mmD platform, unlike TSV Implants. Likewise, the 6.0 mmD implant features a purple color-coded 4.5 mmD platform.

*3.1 mmD Implant Conical Hex Dual Friction-Fit™ Connection compatible with 2.9 mmD NP (Eztetic) restorative components.

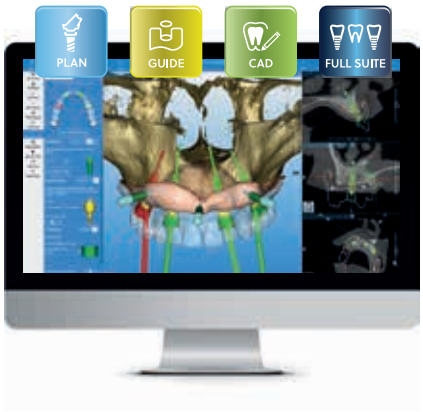
Encode Emergence Healing Abutments for TSX Implants

Implant Platform	Emergence Profile	Cuff Height		
		3 mm	5 mm	7 mm
2.9 mmD	3.7 mmD	CEEHA333	CEEHA335	CEEHA337
	4.5 mmD	CEEHA343	CEEHA345	CEEHA347
3.5 mmD	3.8 mmD	TEEHA333	TEEHA335	TEEHA337
3.5 mmD	5.0 mmD	TEEHA353	TEEHA355	TEEHA357
3.5 mmD	6.5 mmD	TEEHA363	TEEHA365	TEEHA367
4.5 mmD	4.5 mmD	TEEHA443	TEEHA445	TEEHA447
4.5 mmD	5.5 mmD	TEEHA453	TEEHA455	TEEHA457
4.5 mmD	6.5 mmD	TEEHA463	TEEHA465	TEEHA467

RealGUIDE Software and RealGUIDE Z3D Guided Surgical Kit

Placing implants in the intended position becomes easy.

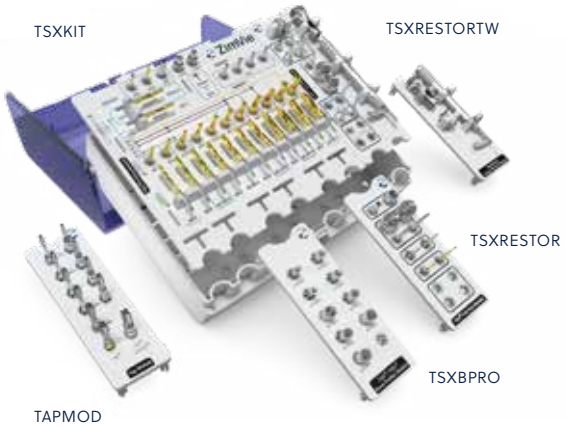
The RealGUIDE Software Suite, combined with the fully-guided RealGUIDE Z3D Guided Surgery Kit provide you with precise implant planning, design and production of a user-friendly surgical guide, providing a secure, accurate and minimally invasive guided surgery.



For information on RealGUIDE Software and RealGUIDE Z3D fully-guided surgery solutions for TSX Implants, please visit RealGUIDE Z3D Kit at **ZimVie.com**.

Surgical Kits Compatible with TSX Implants

Part Number	Compatible Surgical Kits
TSXKIT	TSX Surgical Kit, Complete (3.1 to 6.0 mmD)
TSXSTRKIT	TSX Surgical Starter Kit (3.7 to 4.7 mmD)
TSXTAPMOD	TSX Tap Module (TSX only)
TAPMOD	TSX Tap Module (TSX and TSV)
TSXBPRO	TSX Bone Profiler Module
TSXRESTOR	TSX Full Arch Restorative Module
TSXRESTORTW	TSX Restorative Torque Wrench Module
3DM0070ZUS	RealGUIDE Z3D Guided Surgery Kit
DSKIT	Drill Stop Kit



TSX Bone Taps

Part Number	Description
TSXTAP31	3.1 mmD TSX Bone Tap
TSXTAP37	3.7 mmD TSX Bone Tap
TSXTAP41	4.1 mmD TSX Bone Tap
TSXTAP47	4.7 mmD TSX Bone Tap
TSXTAP54	5.4 mmD TSX Bone Tap
TSXTAP60	6.0 mmD TSX Bone Tap

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The NB number applicable to each device can be found on the product label, if applicable.