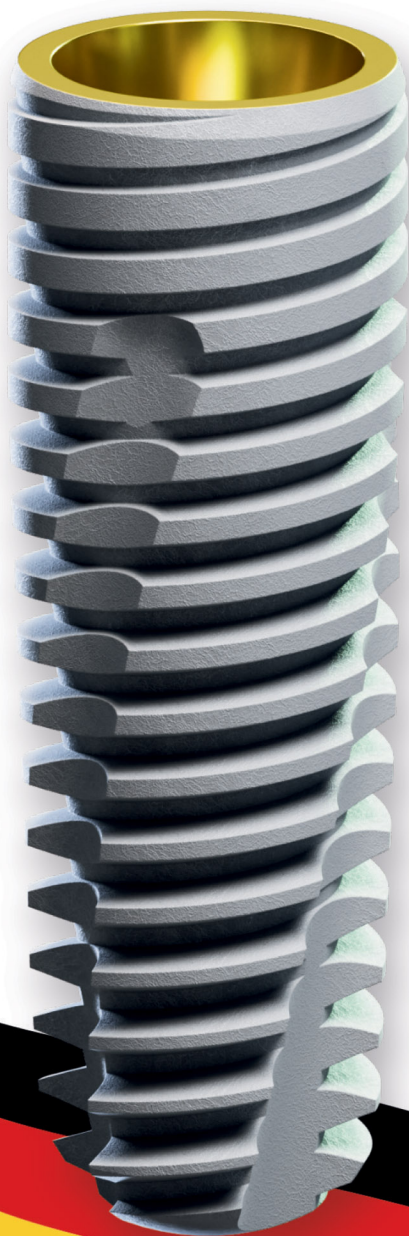




PRODUCT CATALOG

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3Zahn Kit



Yeganeh Trade Management Co.



WHO ARE 3ZAHN?

3Zahn Dental Solutions is a premium implant manufacturer with over 26 years of experience, dedicated to oral rehabilitation and modernizing implantology through research and development.

The company aims to produce reliable implants using advanced technology and precision engineering for predictable outcomes. Operating in 26+ countries, 3Zahn emphasizes quality standards, scientific support, and education for oral surgeons and dentists.

Each implant is rigorously tested, made from proven materials (medical-grade titanium alloy Ti-6Al-4V ELI), and refined based on clinical feedback, ensuring high standards in modern implantology.

CLINICAL & BIOMECHANICAL ADVANTAGES OF 3ZAHN IMPLANT SYSTEMS

- **RAPID OSSEointegration & EARLY LOADING:**

MICRO-ROUGH SLA SURFACE SUPPORTS FAST BONE HEALING AND EARLY FUNCTIONAL LOADING WITHIN 10-14 WEEKS.

- **HIGH PRIMARY STABILITY:**

MICRO-ROUGH SLA SURFACE SUPPORTS FAST BONE HEALING AND EARLY FUNCTIONAL LOADING WITHIN 10-14 WEEKS.

- **CRESTAL BONE PRESERVATION:**

PLATFORM-SWITCHING CONICAL CONNECTION MINIMIZES MICROGAPS AND PRESERVES MARGINAL BONE FOR LONG-TERM STABILITY.

- **BIOMECHANICAL STABILITY & DURABILITY:**

PRECISION-ENGINEERED CONNECTIONS RESIST MICROMOVEMENT, REDUCING SCREW LOOSENING AND FRACTURES UNDER LOAD.

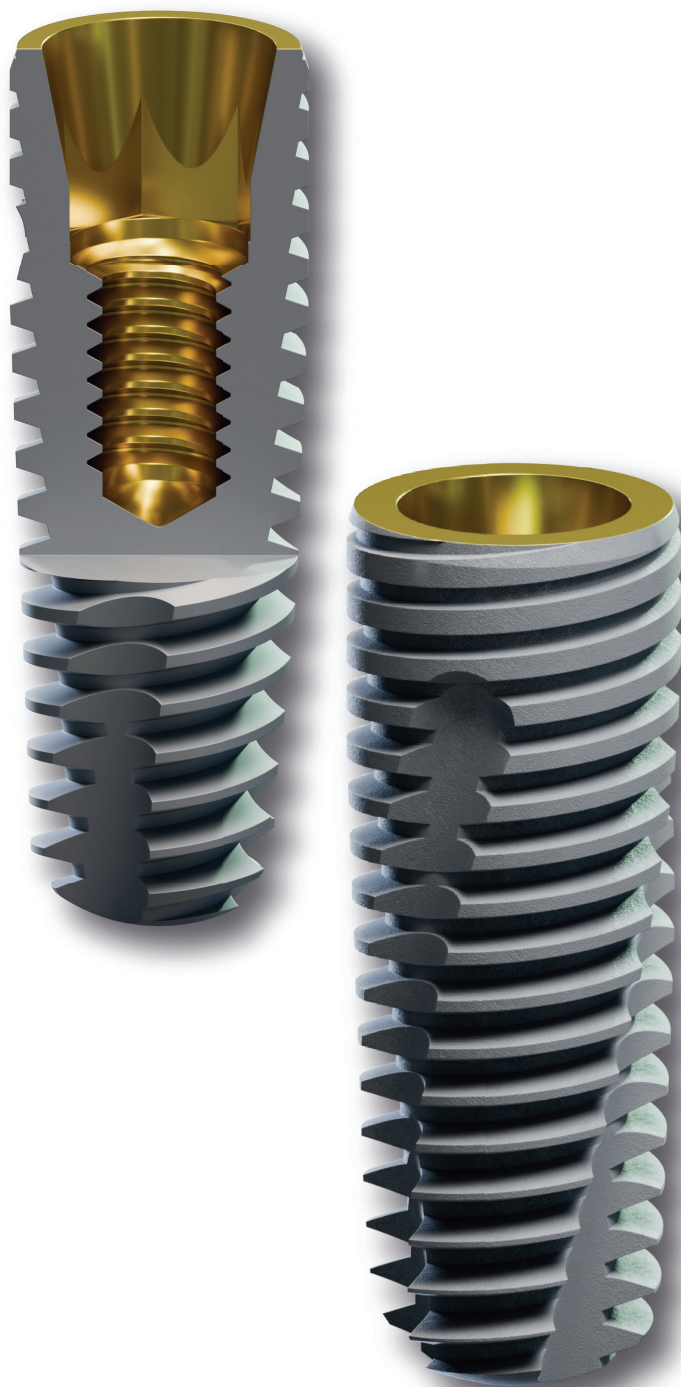
- **SOFT TISSUE COMPATIBILITY & ESTHETICS:**

PLATFORM SWITCHING, SMOOTH NECK OPTIONS, AND POLISHED COLLARS ENCOURAGE HEALTHY SOFT-TISSUE SEALS AND NATURAL-LOOKING GINGIVAL CONTOURS.



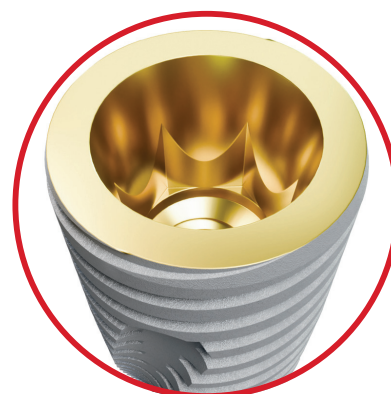
3ZAHN CONICAL IMPLANT

This implant features a tapered body with a progressive, aggressive thread design for excellent primary stability in all bone types, including soft bone. Its internal conical (Morse taper) connection with built-in platform switching ensures a tight, self-locking fit with minimal micro-gap, protecting crestal bone and reducing bacterial infiltration. The implant's surface is treated with 3Zahn's proprietary porous micro-rough SLA technology to accelerate osseointegration and support early loading. The flat-cutting apex with self-tapping flutes facilitates precise insertion and directional control, while the precision-machined titanium alloy construction guarantees long-term durability and predictable results.



Conical Connection

Deep Morse-taper design with platform switching for a tight, self-locking seal, minimizing micro-gaps and preserving crestal bone. (with 11 degrees per side taper, and indexing Hex of 2.5mm)

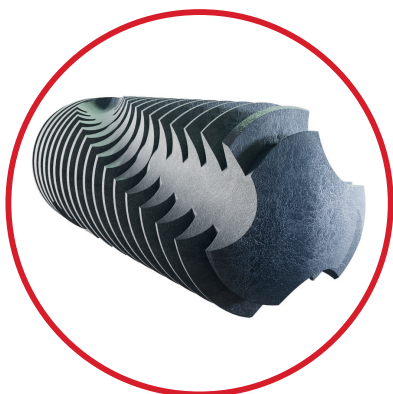
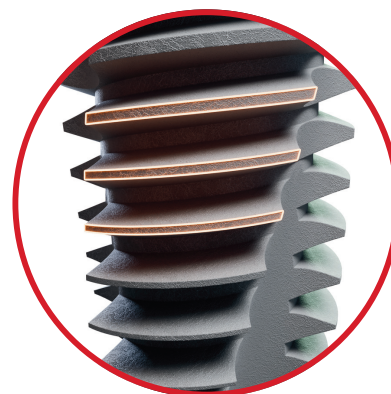


Triple Drilling Grooves

Three longitudinal grooves along the implant body enhance self-centering, reduce insertion torque, and improve directional control during placement.

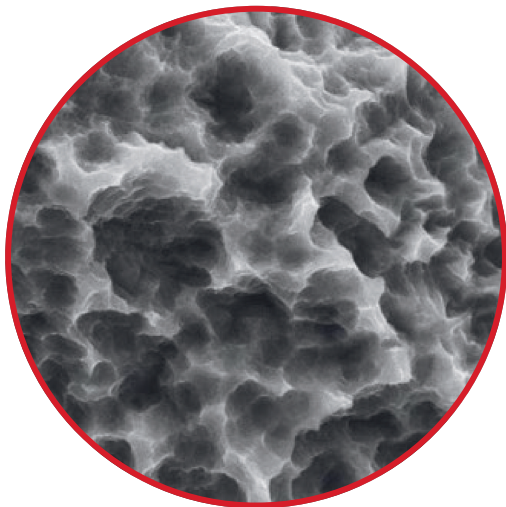
Variable Threads

Aggressive, variable-pitch threads with deep cutting flutes for high primary stability and optimal bone engagement across all bone densities.



Domed Apex

Rounded, flat-cutting apex design minimizes the risk of cortical perforation and supports safe, atraumatic placement near critical anatomical structures.



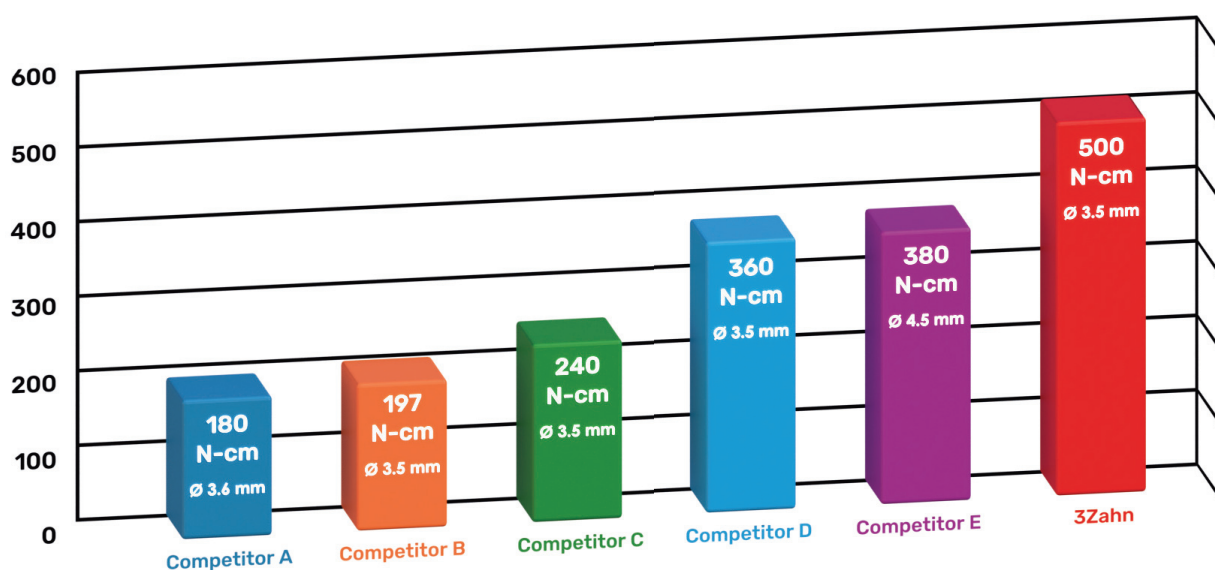
Porous Micro-Rough SLA Technology

Large-grit sandblasted & acid-etched for dual-scale roughness, mimicking trabecular bone; promotes fast blood adsorption, strong osteoblast attachment, and superior bone-to-implant contact. Clean, high-energy surface ensures rapid, predictable osseointegration.

Exceptional Fatigue Strength & Mechanical Durability

- 3Zahn's conical connection implants deliver unmatched fatigue resistance, withstanding 500 N•cm after 5 million loading cycles (Ø3.5 mm), outperforming typical competitor ranges (180–380 N•cm).
- Precision Morse-taper connection, optimized screw design, and medical-grade titanium alloy ensure long-term stability under high functional loads.
- Ideal even for narrow-diameter indications, supporting immediate loading with confidence.
- Fully ISO 14801 tested for predictable, durable performance and minimal maintenance needs.





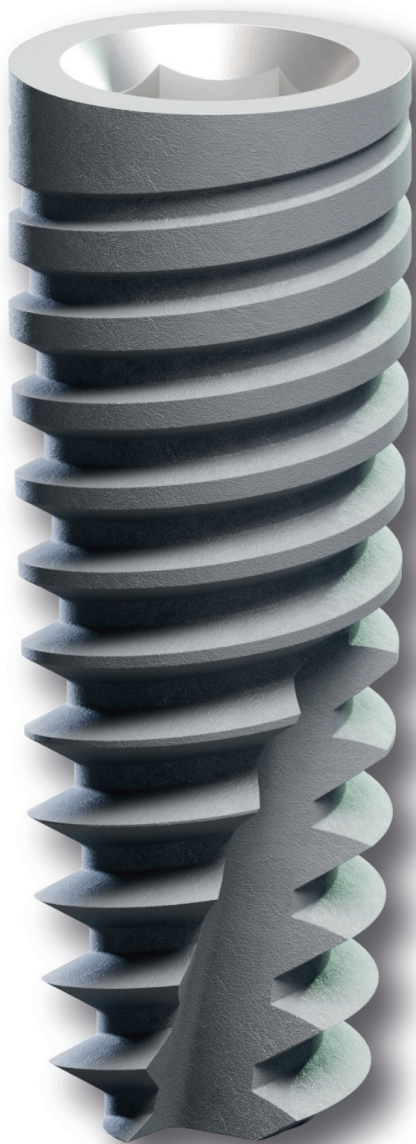
System/Brand	Diameter	Fatigue Strength (N-cm)
Competitor A	Ø3.6 mm	180 N-cm
Competitor B	Ø3.5 mm	197 N-cm
Competitor C	Ø3.5 mm	240 N-cm
Competitor D	Ø3.5 mm	360 N-cm
Competitor E	Ø4.5 mm	380 N-cm
3Zahn (Conical Connection)	Ø3.5 mm	500 N-cm

Why This Matters Clinically

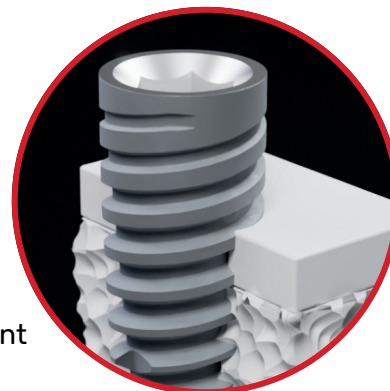
- Long-term integrity: Higher fatigue resistance reduces the risk of connection deformation, screw loosening, or fracture over time.
- Safe for narrow diameters: Even slim-diameter (Ø3.5 mm) implants deliver robust performance, making them ideal for esthetic zones or narrow ridges.
- Confidence in immediate loading: The connection's exceptional mechanical strength supports protocols with high initial torque and early functional use.
- Predictable results: Surgeons and patients benefit from proven, durable restorations with lower maintenance needs.

Length		Diameter			
		8mm	10mm	11.5mm	13mm
	Ø 3.5	ZDFCIP838	ZDFCIP838	ZDFCIP11538	ZDFCIP1338
	Ø 4.0	ZDFCIP842	ZDFCIP1042	ZDFCIP11542	ZDFCIP1342
	Ø 4.5	ZDFCIP847	ZDFCIP1047	ZDFCIP11547	ZDFCIP1347
	Ø 5.0	ZDFCIP852	ZDFCIP1052	ZDFCIP11552	ZDFCIP1352

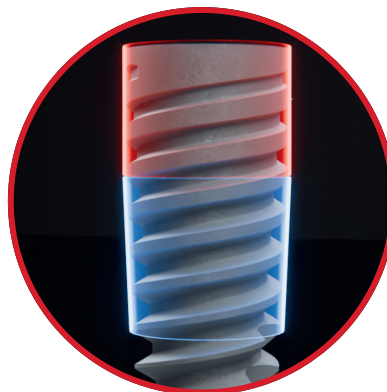
3ZAHN INTERNAL HEX IMPLANT



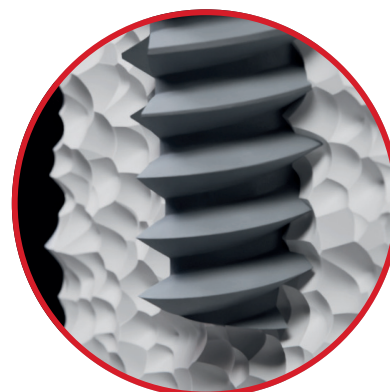
Best implant for
immediate placement



Unique Cycon body



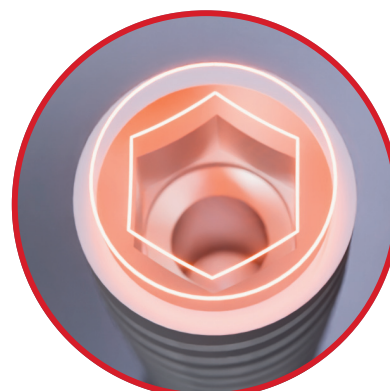
Superior
primary stability

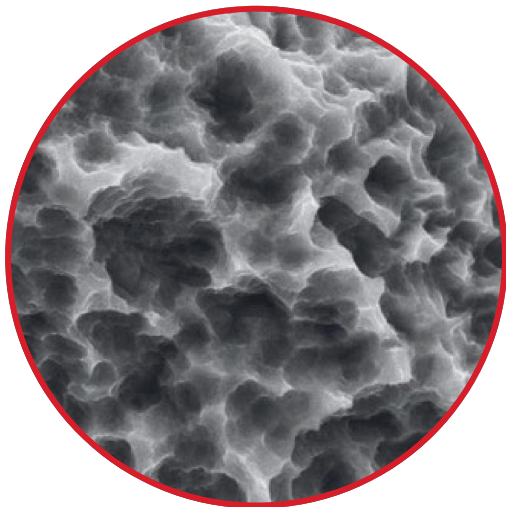


Flat Cutting Apex



Single Internal Hex
Connection
for All Diameters



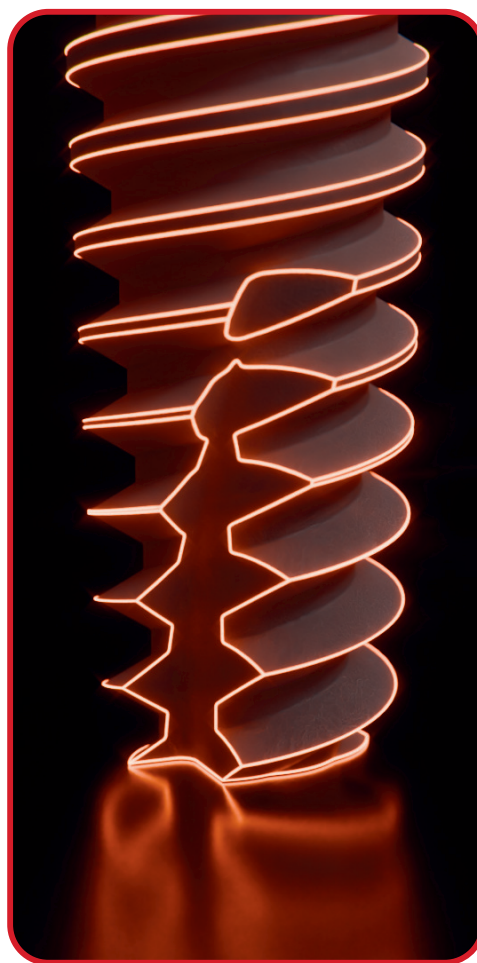


Porous Micro-Rough SLA Technology

Large-grit sandblasted & acid-etched for dual-scale roughness, mimicking trabecular bone; promotes fast blood adsorption, strong osteoblast attachment, and superior bone-to-implant contact. Clean, high-energy surface ensures rapid, predictable osseointegration.

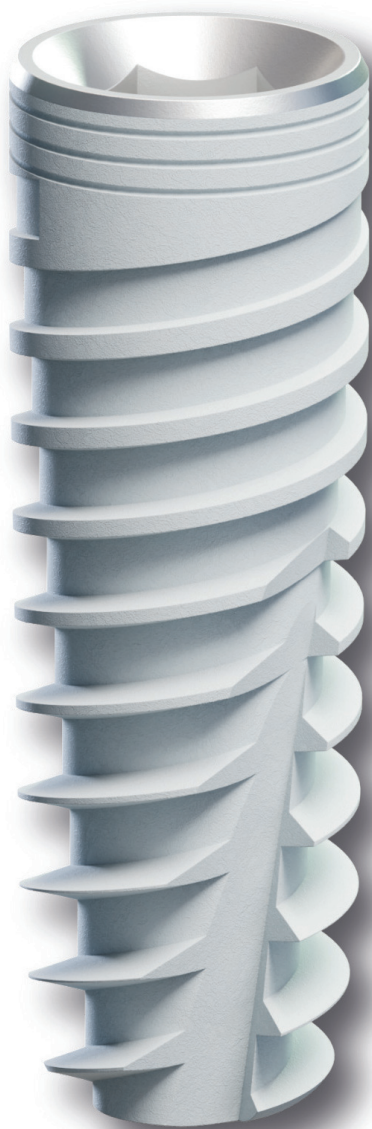
Designed for Immediate Placement

- Hybrid Cylindrical-Conical Body: Combines two geometries to deliver superior primary stability, especially critical in immediate placement cases.
- Flat Cutting Apex: Ensures precise, minimally invasive insertion for reduced trauma and faster stabilization.
- Optimized for Soft Bone: Thread design and body shape tailored to achieve strong anchorage even in low-density bone.
- Uniform Prosthetic Platform: Single 2.42 mm internal hex connection across all diameters for simplified workflow and prosthetic flexibility.
- Immediate Loading Ready: Engineered to support immediate placement protocols when adequate stability and occlusal management are achieved.



Diameter \ Length	Length					
	6mm	8mm	10mm	11.5mm	13mm	16mm
Ø 3.3 	-	MX833	MX1033	M11533	MX1333	MX1633
Ø 3.75 	-	MX8375	MX10375	MX115375	MX13375	MX16375
Ø 4.2 	MX642	MX842	MX1042	MX11542	MX1342	MX1642
Ø 4.7 	MX647	MX847	MX1047	MX11547	MX1347	MX1647
Ø 5.2 	MX652	MX852	MX1052	MX11552	MX1352	MX1652

3ZAHN ACTIVE IMPLANT



3Zahn Active has a completely resorbable calcium-phosphate surface.

The implant's hydrophilic surface attracts the stem cells.



The Osseo inductive characteristics of the surface results in successful osseointegration and improved implant anchoring.

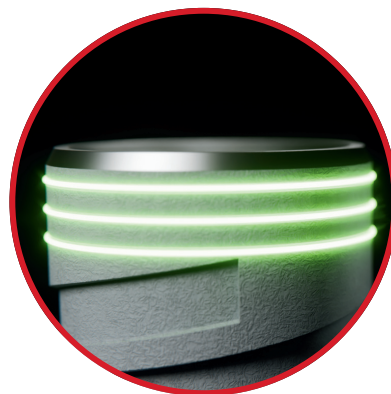


Outstanding characteristics accelerate healing time up to 6-10 weeks instead of 3-6 months post-operation.



Triple Micro Rings

Enhance cortical bone contact at the crestal area, reducing stress and supporting long-term crestal bone preservation.



Conical Body

Provides excellent primary stability and optimal load distribution, ideal for immediate and challenging cases.

Variable Threads

Aggressive, variable-pitch threads with deep cutting flutes for high primary stability and optimal bone engagement across all bone densities.



Domed Apex

Rounded, flat-cutting apex design minimizes the risk of cortical perforation and supports safe, atraumatic placement near critical anatomical structures.

Best for Compromised Cases



- The BioActive implant is engineered for accelerated osseointegration, making it the preferred choice for patients with compromised conditions such as diabetes, low bone density, or delayed healing. Its CaP hydrophilic surface actively promotes rapid bone response, reducing healing time to just 6–10 weeks. With a conical body for strong primary stability and triple micro rings that protect crestal bone, BioActive delivers predictable outcomes where reliability matters most.
- Stimulates faster and stronger bone integration.
- Reduces risk of complications in medically challenged patients.
- Ensures stable, long-term results even in difficult clinical scenarios.

Length Diameter		6mm	8mm	10mm	11.5mm	13mm	16mm
	Ø 3.3	-	SCI833	SCI1033	SCI11533	SCI1333	SCI1633
	Ø 3.75	-	SCI8375	SCI10375	SCI115375	SCI13375	SCI16375
	Ø 4.2	SCI642	SCI842	SCI1042	SCI11542	SCI1342	SCI1642
	Ø 4.7	SCI647	SCI847	SCI1047	SCI11547	SCI1347	SCI1647
	Ø 5.2	SCI652	SCI852	SCI1052	SCI11552	SCI1352	SCI1652
	Ø 6.0	SCI66	SCI86	SCI106	SCI1156	SCI136	SCI166

3ZAHN MONOBLOCK IMPLANT

One-Piece Simplicity with Flexible Neck.

A single-unit implant with an integrated abutment, the 3Zahn Monoblock combines surgical efficiency and stability by eliminating the implant-abutment microgap. Featuring a bendable neck for up to 25° angulation correction, it adapts easily to challenging anatomies while maintaining excellent primary stability and immediate loading potential. Its polished collar supports soft-tissue health, and the SLA-treated intra-bony portion ensures rapid osseointegration – making it a smart, elegant solution for narrow ridges and multi-unit restorations.



3zahn

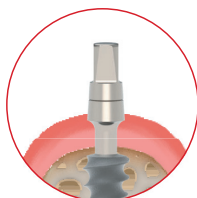
Monoblock Implant



3zahn Monoblock implant offers the perfect solution for a unique one-piece implant with its flexible neck design that reaches **up to 25° angulation**.



The implant's versatility offers immediate loading in **multiple-unit restorations**.

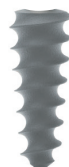


Conveniently it can be placed in the tightest and **narrowest ridges**.

Body Characteristics



Flexible Neck



Sharp and Deep Threads



A wide range of diameters from 3.3mm up to the 4.7mm

Material:

Titanium alloy Ti 6Al 4V ELI

Connection:

One-Piece implant with an integrated abutment carrier

Item includes:

Implant carrier

Surface:

Sand blasting and Acid-Etching

Diameter	Length	6 mm	8 mm	10 mm	11.5 mm	13 mm	16 mm
ø3.3		-	ZPTR833	ZPTR1033	ZPTR11533	ZPTR1333	ZPTR1633
ø3.75		ZPTR6375	ZPTR8375	ZPTR10375	ZPTR115375	ZPTR13375	ZPTR16375
ø4.2		ZPTR642	ZPTR842	ZPTR1042	ZPTR11542	ZPTR1342	ZPTR1642
ø4.7		ZPTR647	ZPTR847	ZPTR1047	ZPTR11547	ZPTR1347	ZPTR1647

One-Piece:One-Piece (Long)
ZITSLOne-Piece (Short)
ZITSLS

Conical Prosthetics

	Height mm	Ref.
	3mm	ZAGM-203-3-RC
	4mm	ZAGM-203-4-RC
	5mm	ZAGM-203-5-RC
	6mm	ZAGM-203-6-RC
	7mm	ZAGM-203-7-RC

Healing Caps - Ø4.5

Additional Info:

Recommended torque - manual
only light finger - 5-10 Ncm. using
hand driver 1.2mm.

Material: Titanium

	Description	Ref.
	Open Tray	ZAGM-301-RC
	Close Tray	ZAGM-305-RC

Implant Transfer - Ø4.5

Additional Info:

Recommended torque - manual
only light finger
tight (5-10 Ncm) using hand
driver 1.2mm.

Material: Stainless Steel

	Height mm	Ref.
	13mm	ZAGM-214-RC

Implant analog

Material: Stainless Steel

	Height mm	Ref.
	3mm	ZAGM-203-3W-RC
	4mm	ZAGM-203-W4-RC
	5mm	ZAGM-203-W5-RC
	6mm	ZAGM-203-W6-RC
	7mm	ZAGM-203-W7-RC

Wide Healing Caps - Ø6.2

Additional Info:

Recommended torque - manual
only light finger - 5-10 Ncm. using
hand driver 1.2mm.

Material: Titanium

	Description	Ref.
	Hex	ZAGM-903-RC
	Non-Hex	ZAGM-904-RC

Temporary Abutment - Ø4.0

Additional Info:

Recommended torque - 20 Ncm.

Material: PEEK

	Height mm	Ref.
	13mm	ZAGM-202-RC

Direct Prosthetic Screw

Additional Info:

Recommended torque - 25 Ncm.

Material: Titanium

Conical Prosthetics

	Height mm	Ref.
	1mm	ZAGM-101-1RC
	2mm	ZAGM-101-2RC
	3mm	ZAGM-101-3RC
	4mm	ZAGM-101-4RC

Concave Shoulder Abutment - Ø4.5

Additional Info:

Recommended torque - 25 Ncm.

Material: Titanium

	Height mm	Ref.
	1mm	ZAGM-103-E1-RC
	2mm	ZAGM-103-E2-RC
	3mm	ZAGM-103-E3-RC

25° Esthetic Angulated Abutment - Ø4.5

Additional Info:

Recommended torque - 25 Ncm.

Material: Titanium

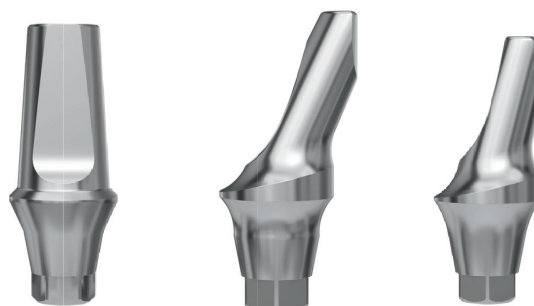
	Height mm	Ref.
	1mm	ZAGM-102-1RC
	2mm	ZAGM-102-2RC
	3mm	ZAGM-102-3RC

15° Esthetic Angulated Abutment - Ø4.5

Additional Info:

Recommended torque - 25 Ncm.

Material: Titanium



Conical Prosthetics

	Height mm	Ref.
	1mm	ZAGM-700-1-RC
	2mm	ZAGM-700-2-RC
	3mm	ZAGM-700-3-RC
	4mm	ZAGM-700-4-RC
	5mm	ZAGM-700-5-RC



Straight Multi Unit for Internal Hex - Ø5.0

Additional Info:
Recommended torque - 25 Ncm.

Material: Titanium

	Height mm	Ref.
	1mm	ZAGM-717-1-RC
	3mm	ZAGM-717-3-RC



17° Multi Unit Angulated - Ø5.0

Additional Info:
Recommended torque - 25 Ncm.

Material: Titanium

	Height mm	Ref.
	1mm	ZAGM-730-1-RC
	3mm	ZAGM-730-3-RC



30° Multi Unit Angulated - Ø5.0

Additional Info:
Recommended torque - 25 Ncm.

Material: Titanium

Conical Prosthetics

	Description	Height mm	Ref.
	Scan post for M.U.	7mm	ZSBMU
	Ti-Base	0.3mm	ZTBMU
	Digital Analog	10mm	ZAD-MU

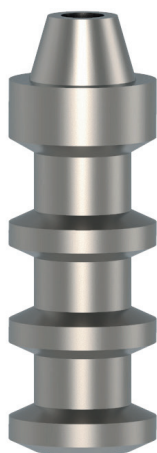


Multi-Unit CAD/CAM

Additional Info:

Recommended torque - 25 Ncm.

Material: Peek , Stainless Steel



	Description	Height mm	Ref.
	M.U. transfer open tray	22mm	ZAGM-508
	M.U. analog	12mm	ZAGM-507
	M.U. healing cap	5mm	ZAGM-509
	M.U. temporary cylinder	12mm	ZAGM-505
	M.U. plastic cylinder	12mm	ZAGM-506
	M.U. Screw	3.8mm	ZAGM-506-SC
	M.U. temporary cylinder	12mm	ZAGM-512

Multi-Unit Prosthetics

Additional Info:

Recommended torque - 25 Ncm.

Material: Titanium, Stainless Steel
Plastic, PEEK

Conical Prosthetics

	Height mm	Ref.
	0.5mm	ZTBH-05-RC
	1.5mm	ZTBH-15-RC
	3mm	ZTBH-30-RC

Engaging Ti-Base - Ø4.5

Additional Info:

Recommended torque - 25 Ncm.

Material: Titanium

	Height mm	Ref.
	0.5mm	ZTBNH-05-RC
	1.5mm	ZTBNH-15-RC
	3mm	ZTBNH-30-RC

Non-Engaging Ti-Base - Ø4.5

Additional Info:

Recommended torque - 25 Ncm.

Material: Titanium

	Height mm-	Ref.
	10mm	ZSBRC-10

Scan post

Material: PEEK

	Height mm-	Ref.
	9mm	ZAD-RC

Digital Analog

Material: Stainless Steel



Conical Prosthetics

	Height mm	Ref.
	1mm	ZAGM-106-1-RC
	2mm	ZAGM-106-2-RC
	3mm	ZAGM-106-3-RC
	4mm	ZAGM-106-4-RC
	5mm	ZAGM-106-5-RC

Lock Attachment

Additional Info:

Recommended torque - 25 Ncm.-

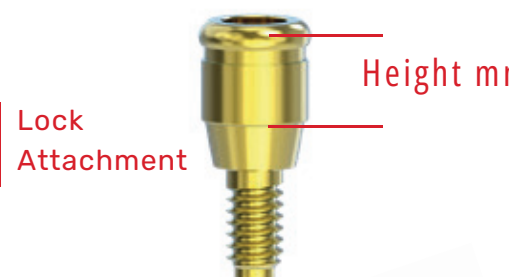
Using hex driver 1.2 mm.

Material: Titanium

Lock Set For RC Connection

	Lock Plastic Cap-RC	ZAGM-106-P
	Lock Soft Plastic Cap-RC	ZAGM-106-PS
	Lock Protective Disk-RC	ZAGM-106-D
	Lock Hard Plastic Cap-RC	ZAGM-106-PH
	Lock Metal Housing-RC	ZAGM-106-M

*Lock can be sold separately.



3Zahn Kit

Kit includes:



Torque
wrench
ZTW

Implant Insertion Tools:



Handpiece 2.5mm
(Long)
ZHAL



2.5mm
(Long)
ZIT2.5



Handpiece 2.5mm
(Short)
ZHAS



2.5mm
(Short)
ZITS2.5

Prosthetic Drivers Hex 1.2mm:



Long
ZAGM-400



Short
ZAGM-400-S



Hand
ZAGM-400-R



Handpiece
ZHB

Tools:



Drill
extender
ZDE



Parallel
pin x3
ZPP

Drill Stoppers:

Height mm

6mm 8mm 10mm 11.5mm 13mm

Drills:



ZDM



ZDB2.0



ZDB2.8



ZDB3.2



ZDB3.7



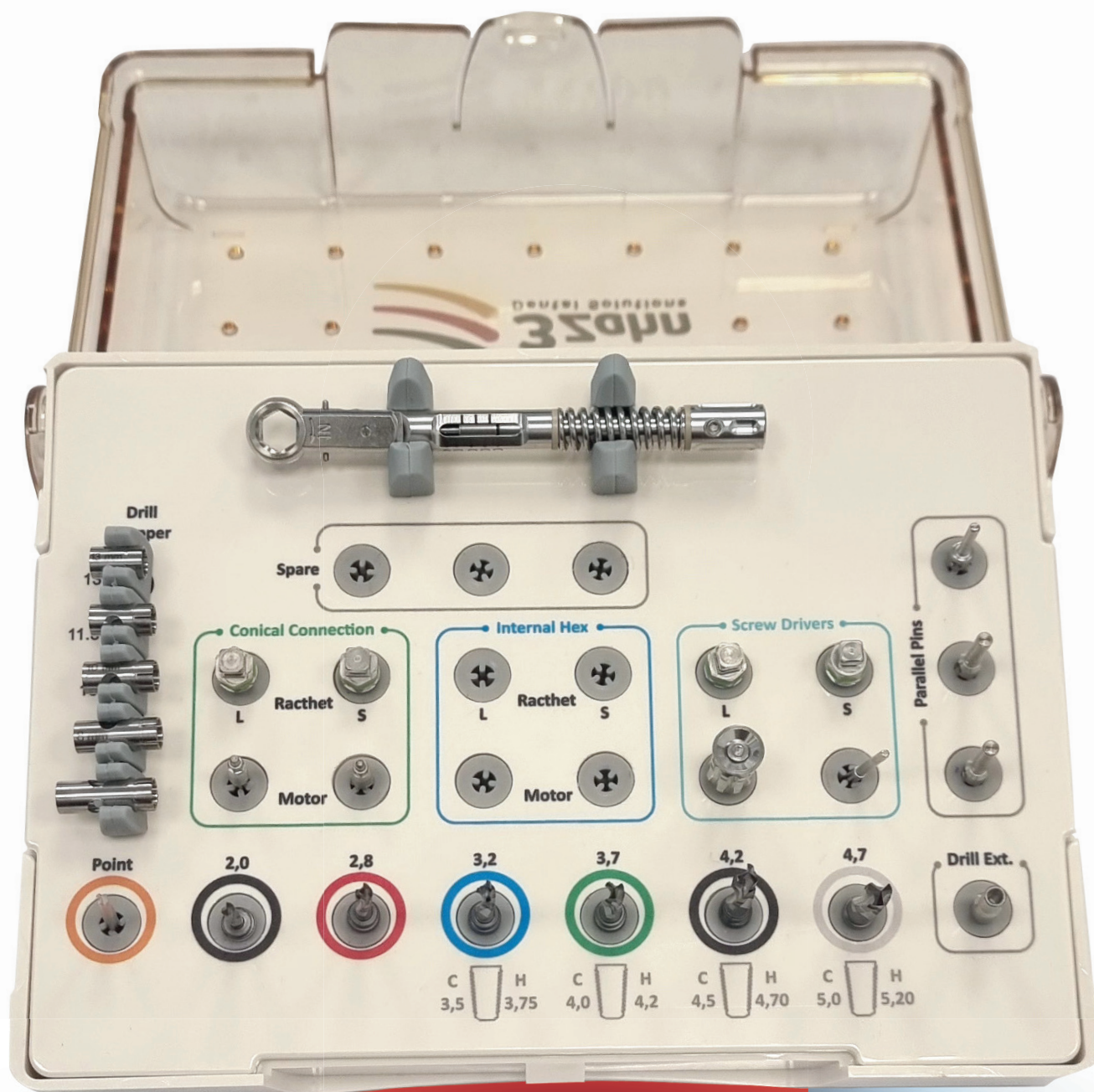
ZDB4.2



ZDB4.7



*Instruments can be ordered separately



3Zahn Kit

Ref. ZSKT

[illegible]

[illegible]



Yeganeh Trade Management Co.

شرکت مدیریت تجارت یگانه



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